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P.O. Box 16631
Columbus, OH 43216

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10 CFR 50.36a

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
SEMI-ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT
JANUARY 1, 1988 TO JUNE 30, 1988

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

ATTN: T. E. Murley

August 29, 1988

Dear Dr. Murley:

This letter transmits the Radioactive Effluent Release Report for the Donald C. Cook Nuclear Plant Units 1 and 2, for the period from January 1 to June 30, 1988. This report was prepared in accordance with Section 6.9.1.9 of the Plant's "Appendix A Technical Specification."

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

Very truly yours,

M. P. Alexich

edg

Enclosure

cc: D. H. Williams, Jr.
W. G. Smith, Jr. - Bridgman
G. Bruchmann
R. C. Callen
G. Charnoff
NRC Resident Inspector - Bridgman
A. B. Davis - Region III Administrator

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Donald C. Cook Nuclear Plant • Units 1 & 2

Semi-Annual Radioactive Effluent Release Report

January 1, through June 30, 1988

Indiana & Michigan Electric Company
Bridgman, Michigan

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

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LIST OF APPENDICES

I. INTRODUCTION

This report discusses the radioactive discharges from Units 1 and 2 of the Donald C. Cook Nuclear Plant from January 1, 1988 through June 30, 1988 per the requirements of Technical Specification 6.9.1.9 for the Facility Operating License.

The table below summarizes the pertinent operational statistics for the Donald C. Cook Nuclear Plant for the period which this report covers. The data in this table and the descriptive information on plant operation is based on information contained in the Monthly Operating Reports for Units 1 and 2 respectfully during the six month period from January through June 1988.

Parameter	Unit 1	Unit 2
Gross Electrical Generation (MWhr)	4006040	2419600
Unit Service Factor (%)	98.5	62.2
Unit Capacity Factor - MDC Net (%)	86.4	50.2

Unit 1 entered the year in Mode 1 at 90% power. On January 11 an unplanned power reduction to 78% occured due to the closing of the No. 2 Turbine Control Valve. The unit was returned to 90% power on January 12 and remained at this power level until January 13 when a reactor trip occured. This reactor trip was due to personnel error when the Reactor Trip Breaker "B" was locally opened. Unit 1 was restarted on January 14 and reached the 90% administrative power level limit on January 15, 1988. Unit 1 remained at 90% power until February 12 when a planned power reduction to 55% was initiated to repair a leak on the east main feed pump emergency leak-off line. The Unit was returned to 90% power on February 14 and remained at this power level until March 25 when a unit shutdown was commenced to begin the ice condenser surveillance outage. Mode 3 was entered on March 26 and remained in this mode until the surveillance outage was completed. The unit was restarted on March 27 and reached 90% power on March 29. Unit 1 remained at 90% power until April 30 when a power reduction to 58% was initiated to permit the "W" Main Feed Pump to be removed from service to check for leaks in the feed pump turbine condenser waterboxes. The unit was returned to 90% power on May 1 with no condenser leakage being detected. Unit 1 remained at 90% during the month of May except for a period of approximately 15 hours on May 5 when the unit power was reduce to 79% as a preventive measure to minimize the consequences of exceeding the administrative chloride limits while the steam generator blowdown system was being repaired. Unit 1 entered the month

of June at 90% power and remained at this power level until June 6 when a power reduction to 30% was begun to allow repair of a steam leak on the east MSR. The unit remained at this 30% power level until June 9 when a power escalation to 90% was started. The unit reached the 90% power level on June 9 and remained at this power level throughout the rest of the reporting period.

Unit 2 entered the reporting period at its administrative power limit of 80% power and remained at this level until February 15 when a power ascension to 100% power was initiated. This power increase was to permit the collection of system steam flow and feed water flow control system data. Power was reduced to 80% on February 17 following completion of data collection. Unit 2 reduced power from 80% to 50% on February 23 to permit repair of a weld leak on the east main feed pump suction strainer vent line. The unit was returned to 80% power on February 25 and remained at this power until April 11 when a power reduction was started. This power reduction was due to the CD diesel generator being declared inoperable coincident with the Turbine Driven Auxiliary Feedwater Pump being inoperable. The power reduction was from 80% to 79.8%. On April 18 the unit began a coastdown due to fuel depletion and the reactor was taken subcritical on April 23. Unit 2 ended the month of April in Mode 5 draining to half-loop, and was subsequently taken to Mode 6 on May 6. The Unit ended the reporting period in Mode 6 for the cycle 6-7 refueling and the steam generator repair project. The expected date for Unit 2 to return to service is approximately February of 1989.

II. RADIOACTIVE RELEASES

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

III. RADIOLOGICAL IMPACT ON MAN

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

Liquid Releases

Liquid releases during the first half of 1988 consisted of forty-three (43) batch releases in the first quarter and thirty-six (36) batch releases in the second quarter. No abnormal liquid releases occured during the first half of 1988. These releases were treated as continuous releases for the purpose of calculating the dose consequences. The estimated doses (in millirem) to the maximum exposed individuals via the liquid release pathway are given in Appendices 1.2 and 1.3 of this report.

Gaseous Releases

During the first quarter of 1988 there were no (0) batch gaseous releases and during the second quarter of 1988 there was only one (1) such batch gaseous release. No abnormal gaseous releases occured in the first half of 1988. For purposes of calculating the dose consequences from continuous and batch gaseous releases during the first half of 1988, the meteorological data measured at the time of the releases were used. The estimated doses (in millirem) to individuals via the batch gaseous release pathway are given in Appendices 1.2 and 1.3 of this report.

METEOROLOGICAL DATA

Appendices 2.1 and 2.2 of this report contain the cumulative joint-frequency distributions of wind speed and wind direction corresponding to the various atmospheric stability classes for the First and Second Quarters of 1988. Hourly meteorological data for the same period are to be found in Appendix 2.3 of this report.

V. PROCESS CONTROL PROGRAM (PCP) CHANGES

The Radioactive Waste Process Control Manual, 12 PMP 3150 PCP.001, was revised during the reporting period and this revision is identified as Revision No. 9 which is included as Appendix 3 to this report. The reasons for the change and the PNSRC approval is documented on the procedure cover sheet. This revision did not reduce the overall conformance of the solidified waste product to existing criteria for solid waste.

VI. OFFSITE DOSE CALCULATION MANUAL (ODCM) CHANGES

The Offsite Dose Calculation Manual, 12 PMP 6010.OSD.001, was revised three times during the reporting period and these revisions are included as Change Sheets 3, 4, and 5 to Revision No. 2. These revisions are included in this report as Appendix

4. The reasons for these changes and the PNSRC approval are documented on the applicable change sheets.

VII. CONCLUSIONS

Based on the information presented in this report, it is concluded that the Donald C. Cook Nuclear Plant Units 1 and 2 performed their intended design function with no hazard to the health and safety of the general public being presented.

APPENDIX 1.1

RADIOACTIVE RELEASE DATA

JANUARY 1 - JUNE 30, 1988

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1st Half 1988

Supplemental Information

Facility: D.C. Cook Plant
Licensee: Indiana Michigan Power Company

1. Regulatory Limits

A. Noble Gases

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

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

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

B. Iodines - Particulates

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

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

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

C. Liquid Effluents

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

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

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

D. Total Dose

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

2. Maximum Permissable Concentrations

A. Gaseous Effluents

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

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

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

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

B. Liquid Effluents

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

3. Average Energy

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

4. Measurements and Approximations of Total Radioactivity

A. Fission and Activation Gases

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

B. Iodines

Sampled on iodine adsorbing media 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:

43 releases in the 1st quarter, 1988
36 releases in the 2nd quarter, 1988

2. Total time period for batch releases:

15136 minutes

3. Maximum time for a batch release:

1550 minutes

4. Average time period for batch release:

192 minutes

5. Minimum time period for a batch release:

114 minutes

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

687089 gpm circulating water

B. Gaseous

1. Number of batch releases:(Gas Decay Tanks)

0 in the 1st quarter, 198 8
1 in the 2nd quarter, 198 8

2. Total time period of batch releases:

31 minutes

3. Maximum time period for a batch release:

31 minutes

4. Average time period for batch releases:

31 minutes

5. Minimum time period for a batch release:

31 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

1st Quarter	2nd Quarter
0	0

2. Total activity released:

1st Quarter	2nd Quarter
0	0

B. Gaseous

1. Number of Releases:

1st Quarter	2nd Quarter
0	0

2. Total activity released:

1st Quarter	2nd Quarter
0	0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1st Half 1988

GASEOUS EFFLUENTS - GROUND-LEVEL RELEASES

Nuclides Released	Unit	Continuous Mode Quarter 1	Continuous Mode Quarter 2	Batch Mode Quarter 1	Batch Mode Quarter 2
1. FISSION GASES					
Krypton-85	Ci				1.52 E 0
Krypton-85m	Ci	6.60 E-2	3.85 E-2		4.04 E-2
Krypton-87	Ci	7.36 E-2	4.17 E-2		1.15 E-2
Krypton-88	Ci	4.24 E-1	2.80 E-1		
Xenon-133	Ci	9.46 E+1	3.86 E+1		1.06 E+2
Xenon-135	Ci	6.78 E 0	2.17 E-1		1.12 E 0
Xenon-135m	Ci	8.15 E-2	5.30 E-2		
Xenon-138	Ci	6.56 E-2	3.85 E-2		
Xenon-133m	Ci	2.73 E-2	1.65 E-2		1.21 E 0
Xenon-131m	Ci				8.08 E-1
Argon-41	Ci	7.40 E-2	6.39 E-2		1.68 E-1
Total for Period	Ci	1.02 E+2	3.93 E+1	*	1.11 E+2
2. IODINES					
Iodine-131	Ci	1.86 E-4	5.54 E-3		7.99 E-4
Iodine-133	Ci		4.23 E-4		3.90 E-4
Iodine-135	Ci				6.64 E-5
Total for Period	Ci	1.86 E-4	5.96 E-3	*	1.26 E-3
3. PARTICULATES					
Strontium-89	Ci				
Strontium-90	Ci				
Cesium-134	Ci	6.78 E-5			1.09 E-5
Cesium-137	Ci	1.07 E-4	4.98 E-5		1.52 E-5
Iron-59	Ci				
Cobalt-58	Ci	1.60 E-5	2.63 E-5		
Cobalt-60	Ci				
Manganese-54	Ci				
Zinc-65	Ci				
Molybdenum-99	Ci				
Cerium-141	Ci				
Cerium-144	Ci				
Cerium-139	Ci		4.92 E-8		
Total for Period	Ci	1.91 E-4	7.61 E-5	*	2.61 E-5

*There were no batch releases made during the first quarter of 1988.

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1st Half [redacted]88

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	Units	Quarter 1	Quarter 2	Est. Total Error, %
A. FISSION AND ACTIVATION GASES				
1. Total release.	Ci	1.02 E+2	1.50 E+2	1.33 E+1
2. Average release rate for period.	µCi/sec	1.30 E+1	1.91 E+1	
3. Percent of Technical Specification limit. (T/S 3.11.2.2 Limit)	% γ	4.72 E-1	1.11 E-1	
	% β	5.12 E-1	1.37 E-1	
B. IODINES				
1. Total Iodine-131.	Ci	1.86 E-4	7.22 E-3	2.50 E 0
2. Average release rate for period.	µCi/sec	2.37 E-5	9.18 E-4	
3. Percent of Technical Specification limit. (T/S 3.11.2.3 Limit)	%	5.43 E-2	2.05 E 0	
C. PARTICULATES				
1. Particulates with half-lives > 8 days.	Ci	1.91 E-4	1.02 E-4	2.50 E+1
2. Average release rate for period.	µCi/sec	2.43 E-5	1.30 E-5	
3. Percent of Technical Specification limit. *	%	5.43 E-2	2.05 E 0	
4. Gross alpha radioactivity.	Ci	<9.02 E-7	<6.38 E-7	
*(T/S 3.11.2.3 Limit)				
D. TRITIUM				
1. Total release.	Ci	3.18 E 0	2.34 E 0	1.32 E 0
2. Average release rate for period.	µCi/sec	4.04 E-1	2.98 E-1	
3. Percent of Technical Specification limit. (10 CFR 20 Limit)	%	3.22 E 0	2.18 E 0	

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1st Half 1988

LIQUID EFFLUENTS

Nuclides Released		BATCH MODE Quarter 1	BATCH MODE Quarter 2	CONTINUOUS MODE Quarter 1	CONTINUOUS MODE Quarter 2
Strontium-89	Ci	3.57 E-5	*		
Strontium-90	Ci	2.05 E-5	*		
Cesium-134	Ci	1.48 E-3	1.83 E-3	1.74 E-4	1.75 E-2
Cesium-137	Ci	1.86 E-3	2.81 E-3	5.44 E-4	1.84 E-2
Iodine-131	Ci	1.05 E-3	1.46 E-3		3.65 E-2
Strontium-85	Ci	4.70 E-6	3.98 E-6		
Cobalt-58	Ci	1.63 E-2	1.18 E-2	4.13 E-5	1.44 E-4
Cobalt-60	Ci	1.09 E-2	7.04 E-3		2.80 E-5
Iron-59	Ci				
Zinc-65	Ci	4.11 E-4	3.52 E-4		
Manganese-54	Ci	5.35 E-4	6.77 E-4		
Chromium-51	Ci	1.73 E-3	1.59 E-3		
Iron-55	Ci	4.40 E-3			
Zirconium-Niobium-95	Ci	7.01 E-4	5.64 E-4		
Molybdenum-99	Ci				
Technetium-99M	Ci				8.85 E-5
Barium-Lanthanum-140	Ci		5.66 E-4		
Cerium-141	Ci				
Cesium-136	Ci	6.27 E-4	8.33 E-4		1.79 E-3
Sodium-24	Ci				
Iodine-133	Ci				1.14 E-3
Cobalt-57	Ci	2.68 E-5	2.92 E-5		
Zirconium-97	Ci	4.21 E-4	2.64 E-4		
Silver-110M	Ci	1.05 E-2	1.27 E-2		
Cerium-144	Ci				
Antimony-124	Ci		1.41 E-3		
Antimony-125	Ci	1.77 E-3	1.08 E-2		
Xenon-133	Ci	2.67 E-1	2.87 E-1	3.79 E-4	4.52 E-3
Xenon-131M	Ci	9.25 E-4	6.43 E-3		
Xenon-133M	Ci	1.96 E-3	3.27 E-3		
Xenon-135	Ci	9.99 E-4	2.06 E-4	1.34 E-4	1.32 E-5
Argon-41	Ci				
Krypton-85	Ci	1.06 E-3	9.00 E-4		

*Strontium results were unavailable at the time of submittal.

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1st Half 1988

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNIT	BATCH		CONTINUOUS		Est. Total Error, %
		Quarter 1	Quarter 2	Quarter 1	Quarter 2	
A. FISSION AND ACTIVATION PRODUCTS						
1. Total Release (Not including Tritium, Alpha, Gases)	Ci	5.94 E-2	8.40 E-2	7.59 E-4	7.56 E-2	9.37 E 0
2. Average diluted concentration during period.	µCi/ml	2.70 E-9	4.83 E-9	9.21 E-13	1.39 E-10	
3. Percent of applicable limit.	%	2.18 E-2	3.60 E-2	5.71 E-6	2.30 E-2	
B. TRITIUM						
1. Total Release	Ci	2.84 E+2	2.02 E+2	5.92 E-1	4.54 E-1	2.53 E-1
2. Average diluted concentration during period.	µCi/ml	1.29 E-5	1.16 E-5	7.18 E-10	8.33 E-10	
3. Percent of applicable limit.	%	4.30 E-1	3.87 E-1	2.39 E-5	2.78 E-5	
C. DISSOLVED AND ENTRAINED GASES						
1. Total Release	Ci	2.72 E-1	2.98 E-1	5.13 E-4	4.53 E-3	1.17 E+1
2. Average diluted concentration during period.	µCi/ml	1.24 E-8	1.71 E-8	6.23E-13	8.31 E-12	
3. Percent of applicable limit.	%	6.18 E-3	8.56 E-3	3.11 E-7	4.16 E-6	

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1st Half 1988

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNIT	BATCH		CONTINUOUS		Est. Total
		Quarter 1	Quarter 2	Quarter 1	Quarter 2	Error, %
D. GROSS ALPHA RADIOACTIVITY						
1. Total Release	ci	<8.34 E-5	<8.53 E-5	NA	NA	NA
E. VOLUME OF WASTE RELEASED	Liters	2.83 E+6	2.39 E+6	1.16 E+8	6.65 E+7	2.00 E 0
F. VOLUME OF DILUTION WATER USED DURING PERIOD	Liters	2.20 E+10	1,74 E+10	8.24 E+11	5.45 E+11	3.48 E 0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1st Half 1988

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Offsite for Burial or Disposal

1.

Type of Waste	Unit	6 month Period	Est. Total Error, %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m^3 Ci	2.64 E+1 5.55 E+2	1.0 E 0 2.0 E+1
b. Dry compressible waste, contaminated equipment, etc.	m^3 Ci	8.94 E+1 1.88 E 0	1.0 E 0 2.0 E+1
c. Irradiated components, control rods, etc.	m^3 Ci		
d. Other	m^3 Ci		

2. Estimate of Major Nuclide Composition

a.

CS-137	35 %
CS-134	15 %
CO-58	5 %
CO-60	30 %
FE-55	5%
NI-63	10%

b.

CO-60	20 %
CO-58	40 %
CS-137	15 %
CS-134	10 %
FE-55	15 %

3. Solid Waste Disposition

No. of Shipments	Mode of Transportation	Destination
11	Truck	Barnwell, SC
0		Richland, WA

4. Type of Containers Used for Shipment

Containers used are strong tight, DOT 17H and high integrity. Shipments were made as either Radioactive LSA or NOS.

5. Solidification Agent

Evaporator bottoms are solidified in cement.

RELEASE NUMBER	START DATE STOP DATE	START TIME STOP TIME	H-3	I-131	I-133	Xe-133	Xe-133m	Xe-135	Xe-131m	Kr-85	Kr-87	Kr-85m	Ar-41	Cs-134	Cs-137	I-135
G-88-1	04-22-88 04-22-88	1843 2338	2.77 E-3	1.78 E-4	4.78 E-5	2.84 E+1	2.75 E-1	4.71 E-1	4.04 E-1	7.87 E-1	1.15 E-2	4.04 E-2	1.68 E-1	8.53 E-6	1.26 E-5	
G-88-2	04-24-88 06-30-88	1250 2400	1.96 E-3	6.18 E-4	3.42 E-4	2.89 E+1	2.93 E-1	5.09 E-1	4.04 E-1	7.37 E-1				2.37 E-6	2.56 E-6	6.64 E-5
G-88-3	04-27-88 04-27-88	1434 1505	2.01 E-3	2.52 E-6	3.11 E-7	4.90 E+1	6.44 E-1	1.43 E-1								

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

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

APPENDIX 1.2

SUMMARY OF MAXIMUM INDIVIDUAL DOSES

FIRST QUARTER, 1988

SUMMARY OF MAXIMUM INDIVIDUAL DOSES - 1st Quarter 1988

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	QUARTERLY LIMIT (MR)
Liquid	Total Body	1.96 E-2	Adult	Receptor 1	1.31 E 0	1.5
Liquid	Liver	2.45 E-2	Child	Receptor 1	4.90 E-1	5.0
Noble Gas	Air Dose (Gamma-mrad)	2.36 E-2		594 S	4.72 E-1	5.0
Noble Gas	Air Dose (Beta-mrad)	5.12 E-2		594 S	5.12 E-1	10.0
Noble Gas	Total Body	1.70 E-3	All	1052 NE	3.40 E-2	YEARLY 5.0
Noble Gas	Skin	4.37 E-3	All	1052 NE	2.91 E-2	YEARLY 15.0
Iodines and Particulates	Thyroid	4.07 E-3	Child	914 SE	5.43 E-2	7.5

FOR RECEPTOR NUMBER 1

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 88 1 1 1 END DATE 88 33124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	6.7E-08	6.2E-06	6.2E-06	6.7E-06	6.2E-06	6.1E-06	6.5E-06	0.0E+00
TEEN	6.5E-08	4.4E-06	4.4E-06	4.8E-06	4.4E-06	4.3E-06	4.6E-06	0.0E+00
CHILD	1.9E-07	8.5E-06	8.4E-06	9.4E-06	8.3E-06	8.3E-06	8.5E-06	0.0E+00
INFANT	1.9E-07	8.4E-06	8.2E-06	9.9E-06	8.2E-06	8.1E-06	8.2E-06	0.0E+00
SHORE								
ADULT	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	4.5E-08
TEEN	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.5E-07
CHILD	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	5.3E-08
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
FW SPT FISH								
ADULT	9.7E-06	1.8E-05	1.3E-05	1.0E-06	6.5E-06	2.3E-06	5.3E-06	0.0E+00
TEEN	1.0E-05	1.8E-05	7.9E-06	8.8E-07	6.5E-06	2.5E-06	3.8E-06	0.0E+00
CHILD	1.3E-05	1.6E-05	3.5E-06	8.5E-07	5.5E-06	2.0E-06	1.5E-06	0.0E+00
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

ENTER: [RETURN] CONTINUE, [SO] START OVER, [EX] EXIT

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 88 1 1 1 END DATE 88 33124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
TOTAL								
ADULT	9.8E-06	2.4E-05	2.0E-05	7.7E-06	1.3E-05	8.5E-06	1.2E-05	4.5E-08
TEEN	1.1E-05	2.3E-05	1.3E-05	5.9E-06	1.1E-05	7.1E-06	8.6E-06	2.5E-07
CHILD	1.3E-05	2.5E-05	1.2E-05	1.0E-05	1.4E-05	1.0E-05	1.0E-05	5.3E-08
INFANT	1.9E-07	8.4E-06	8.2E-06	9.9E-06	8.2E-06	8.1E-06	8.2E-06	0.0E+00

GA
DAT[illegible]F LAST AIR DOSE ACCUMULATION ARE FROM 88 1 1 1 0 TO 88 33124 0
DOS[illegible]CUMULATION FOR GAMMA RAD

FOR RELEASE POINT 2

**DIRECTION FROM N				
2.3559E-05	3.1536E-06	1.4402E-06	8.3146E-07	5.8410E-07
2.9551E-07	1.1407E-07	5.6109E-08	3.5697E-08	2.2242E-08
**DIRECTION FROM NNE				
3.0573E-06	3.7371E-07	1.6777E-07	9.6244E-08	6.6113E-08
3.1701E-08	1.1518E-08	5.4958E-09	3.4220E-09	2.0569E-09
**DIRECTION FROM NE				
2.7751E-06	3.3181E-07	1.4891E-07	8.5561E-08	5.8529E-08
2.7738E-08	9.9522E-09	4.7137E-09	2.9163E-09	1.7347E-09
**DIRECTION FROM ENE				
2.4352E-06	2.9377E-07	1.3693E-07	8.0958E-08	5.6311E-08
2.7634E-08	1.0560E-08	5.2221E-09	3.3349E-09	2.0703E-09
**DIRECTION FROM E				
4.8554E-06	5.9719E-07	2.7950E-07	1.6546E-07	1.1512E-07
5.6484E-08	2.1543E-08	1.0590E-08	6.7307E-09	4.1655E-09
**DIRECTION FROM ESE				
4.6445E-06	5.4326E-07	2.6476E-07	1.6108E-07	1.1383E-07
5.7449E-08	2.2773E-08	1.1330E-08	7.2419E-09	4.5778E-09
**DIRECTION FROM SE				
4.2938E-06	5.4719E-07	2.5335E-07	1.4825E-07	1.0368E-07
5.1668E-08	1.9818E-08	9.7278E-09	6.1749E-09	3.8324E-09
**DIRECTION FROM SSE				
5.1646E-06	6.1044E-07	2.9943E-07	1.8283E-07	1.2996E-07
6.[illegible]E-08	2.6737E-08	1.3422E-08	8.6327E-09	5.4995E-09
**D[illegible]TION FROM S				
4.4350E-06	5.3049E-07	2.5705E-07	1.5557E-07	1.1028E-07
5.6166E-08	2.2395E-08	1.1183E-08	7.1674E-09	4.5438E-09
**DIRECTION FROM SSW				
4.2582E-06	5.2966E-07	2.5058E-07	1.4911E-07	1.0508E-07
5.3084E-08	2.0867E-08	1.0390E-08	6.6570E-09	4.1895E-09
**DIRECTION FROM SW				
6.5569E-06	8.4375E-07	3.8908E-07	2.2688E-07	1.5892E-07
7.9593E-08	3.0632E-08	1.5073E-08	9.5887E-09	5.9663E-09
**DIRECTION FROM WSW				
5.7302E-06	7.0745E-07	3.3225E-07	1.9690E-07	1.3802E-07
6.8926E-08	2.6756E-08	1.3266E-08	8.4779E-09	5.3008E-09
**DIRECTION FROM W				
4.9107E-06	5.8621E-07	2.7855E-07	1.6687E-07	1.1659E-07
5.7566E-08	2.2258E-08	1.1028E-08	7.0393E-09	4.3880E-09
**DIRECTION FROM WNW				
5.8201E-06	6.8861E-07	3.1752E-07	1.8628E-07	1.2919E-07
6.3044E-08	2.3778E-08	1.1640E-08	7.3794E-09	4.5506E-09
**DIRECTION FROM NW				
4.4787E-06	5.1642E-07	2.3317E-07	1.3484E-07	9.3021E-08
4.5013E-08	1.6675E-08	8.1148E-09	5.1252E-09	3.1353E-09
**DIRECTION FROM NNW				
2.6823E-06	3.1981E-07	1.4369E-07	8.2561E-08	5.7007E-08
2.7721E-08	1.0279E-08	4.9994E-09	3.1637E-09	1.9441E-09

DISTANCES USED IN CALCULATIONS

[illegible]0	2416.0	4020.0	5630.0	7240.0
12[illegible]0	24135.0	40225.0	56315.0	80500.0

BE
DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 88 1 1 1 0 TO 88 33124 0
DOSE ACCUMULATION FOR BETA RAD

FOR RELEASE POINT 2

**DIRECTION FROM N

5.1166E-05	6.8519E-06	3.1283E-06	1.8057E-06	1.2684E-06
6.4174E-07	2.4770E-07	1.2184E-07	7.7521E-08	4.8300E-08

**DIRECTION FROM NNE

6.6803E-06	8.1667E-07	3.6647E-07	2.1016E-07	1.4436E-07
6.9214E-08	2.5138E-08	1.1992E-08	7.4653E-09	4.4862E-09

**DIRECTION FROM NE

5.9157E-06	7.0738E-07	3.1767E-07	1.8261E-07	1.2494E-07
5.9233E-08	2.1270E-08	1.0080E-08	6.2391E-09	3.7134E-09

**DIRECTION FROM ENE

5.3454E-06	6.4605E-07	3.0170E-07	1.7859E-07	1.2431E-07
6.1088E-08	2.3399E-08	1.1586E-08	7.4055E-09	4.6025E-09

**DIRECTION FROM E

1.0559E-05	1.3000E-06	6.0925E-07	3.6102E-07	2.5128E-07
1.2336E-07	4.7116E-08	2.3185E-08	1.4747E-08	9.1333E-09

**DIRECTION FROM ESE

1.0156E-05	1.1880E-06	5.7903E-07	3.5226E-07	2.4898E-07
1.2571E-07	4.9848E-08	2.4805E-08	1.5855E-08	1.0025E-08

**DIRECTION FROM SE

9.3881E-06	1.1954E-06	5.5381E-07	3.2424E-07	2.2680E-07
1.1305E-07	4.3383E-08	2.1300E-08	1.3523E-08	8.3954E-09

**DIRECTION FROM SSE

1.1236E-05	1.3264E-06	6.5107E-07	3.9767E-07	2.8280E-07
1.4473E-07	5.8279E-08	2.9259E-08	1.8818E-08	1.1994E-08

**DIRECTION FROM S

9.5379E-06	1.1422E-06	5.5315E-07	3.3462E-07	2.3723E-07
1.2085E-07	4.8189E-08	2.4065E-08	1.5424E-08	9.7784E-09

**DIRECTION FROM SSW

9.1448E-06	1.1381E-06	5.3915E-07	3.2112E-07	2.2638E-07
1.1443E-07	4.5029E-08	2.2434E-08	1.4378E-08	9.0534E-09

**DIRECTION FROM SW

1.4078E-05	1.8127E-06	8.3614E-07	4.8765E-07	3.4163E-07
1.7118E-07	6.5911E-08	3.2438E-08	2.0636E-08	1.2843E-08

**DIRECTION FROM WSW

1.2270E-05	1.5147E-06	7.1171E-07	4.2191E-07	2.9584E-07
1.4785E-07	5.7443E-08	2.8492E-08	1.8212E-08	1.1392E-08

**DIRECTION FROM W

1.0566E-05	1.2619E-06	6.0065E-07	3.6024E-07	2.5185E-07
1.2450E-07	4.8232E-08	2.3925E-08	1.5283E-08	9.5366E-09

**DIRECTION FROM WNW

1.2490E-05	1.4778E-06	6.8264E-07	4.0101E-07	2.7826E-07
1.3594E-07	5.1376E-08	2.5181E-08	1.5977E-08	9.8640E-09

**DIRECTION FROM NW

9.7531E-06	1.1236E-06	5.0769E-07	2.9376E-07	2.0275E-07
9.8209E-08	3.6442E-08	1.7755E-08	1.1223E-08	6.8731E-09

**DIRECTION FROM NNW

5.8251E-06	6.9414E-07	3.1186E-07	1.7919E-07	1.2377E-07
6.0233E-08	2.2359E-08	1.0884E-08	6.8926E-09	4.2398E-09

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 88 1 1 1 THRU 88 33124

	BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,		814. METERS,	WINDS TOWARD NNE			
ADULT	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	4.0E-06
TEEN	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	4.0E-06
CHILD	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	4.0E-06
INFNT	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	4.0E-06
GROUND	PATHWAY,	DIST GP= 1,		814. METERS,	WINDS TOWARD NNE			
ADULT	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	7.6E-07
TEEN	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	7.6E-07
CHILD	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	7.6E-07
INFNT	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	7.6E-07
VEGET	PATHWAY,	DIST GP= 1,		814. METERS,	WINDS TOWARD NNE			
ADULT	5.2E-07	2.2E-08	4.2E-07	7.1E-07	2.4E-07	1.1E-06	8.0E-08	0.0E+00
TEEN	4.4E-07	2.3E-08	6.6E-07	1.1E-06	3.7E-07	9.2E-07	1.4E-07	0.0E+00
CHILD	3.2E-07	1.7E-08	1.5E-06	1.8E-06	5.8E-07	1.4E-06	2.1E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY,	DIST GP= 1,		7725. METERS,	WINDS TOWARD NNE			
ADULT	1.2E-09	1.0E-10	9.5E-10	1.6E-09	5.6E-10	3.0E-09	1.8E-10	0.0E+00
TEEN	5.3E-10	5.7E-11	7.8E-10	1.3E-09	4.4E-10	2.2E-09	1.7E-10	0.0E+00
CHILD	3.1E-10	3.3E-11	1.4E-09	1.7E-09	5.5E-10	3.3E-09	1.9E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD NNE			
ADULT	9.5E-09	3.3E-10	7.7E-09	1.3E-08	4.7E-09	7.7E-08	1.4E-09	0.0E+00
TEEN	9.2E-09	4.2E-10	1.4E-08	2.3E-08	8.1E-09	1.2E-07	2.9E-09	0.0E+00
CHILD	7.0E-09	3.3E-10	3.3E-08	3.8E-08	1.3E-08	2.4E-07	4.3E-09	0.0E+00
INFNT	6.8E-09	3.3E-10	5.3E-08	7.3E-08	2.1E-08	5.8E-07	7.7E-09	0.0E+00
GOAT	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD NNE			
ADULT	2.8E-08	8.2E-10	2.3E-08	3.9E-08	1.3E-08	9.2E-08	4.3E-09	0.0E+00
TEEN	2.7E-08	1.0E-09	4.1E-08	6.8E-08	2.3E-08	1.5E-07	8.6E-09	0.0E+00
CHILD	2.0E-08	8.1E-10	9.7E-08	1.1E-07	3.7E-08	2.9E-07	1.3E-08	0.0E+00
INFNT	1.9E-08	8.1E-10	1.6E-07	2.2E-07	5.9E-08	7.0E-07	2.3E-08	0.0E+00
INHAL	PATHWAY,	DIST GP= 1,		814. METERS,	WINDS TOWARD NNE			
ADULT	1.6E-09	1.0E-09	4.7E-09	8.4E-09	3.8E-09	9.3E-08	2.8E-09	0.0E+00
TEEN	3.2E-09	1.0E-09	6.6E-09	1.1E-08	4.9E-09	1.1E-07	3.8E-09	0.0E+00
CHILD	2.6E-09	7.9E-10	8.7E-09	1.0E-08	4.4E-09	1.3E-07	3.2E-09	0.0E+00
INFNT	1.1E-09	4.3E-10	5.4E-09	7.5E-09	2.7E-09	1.1E-07	2.1E-09	0.0E+00

THIS IS LAST ACCUMULATION

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT

FOR DATES 88 1 1 1 THRU 88 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,		1052. METERS,	WINDS TOWARD NE			
ADULT	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.8E-06	4.4E-06
TEEN	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.8E-06	4.4E-06
CHILD	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.8E-06	4.4E-06
INFNT	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.8E-06	4.4E-06
GROUND	PATHWAY,	DIST GP= 1,		1052. METERS,	WINDS TOWARD NE			
ADULT	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	7.8E-07
TEEN	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	7.8E-07
CHILD	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	7.8E-07
INFNT	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	7.8E-07
VEGET	PATHWAY,	DIST GP= 1,		1052. METERS,	WINDS TOWARD NE			
ADULT	5.3E-07	2.2E-08	4.3E-07	7.3E-07	2.5E-07	1.3E-06	8.1E-08	0.0E+00
TEEN	4.4E-07	2.3E-08	6.8E-07	1.1E-06	3.7E-07	1.1E-06	1.4E-07	0.0E+00
CHILD	3.2E-07	1.7E-08	1.6E-06	1.8E-06	5.9E-07	1.6E-06	2.1E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY,	DIST GP= 1,		7725. METERS,	WINDS TOWARD NE			
ADULT	1.9E-09	1.5E-10	1.5E-09	2.6E-09	8.8E-10	5.4E-09	2.9E-10	0.0E+00
TEEN	8.3E-10	8.4E-11	1.2E-09	2.0E-09	6.9E-10	3.9E-09	2.6E-10	0.0E+00
CHILD	4.8E-10	4.8E-11	2.2E-09	2.6E-09	8.6E-10	5.9E-09	3.0E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD NE			
ADULT	1.5E-08	5.3E-10	1.2E-08	2.1E-08	7.4E-09	1.4E-07	2.2E-09	0.0E+00
TEEN	1.4E-08	6.7E-10	2.2E-08	3.6E-08	1.3E-08	2.2E-07	4.5E-09	0.0E+00
CHILD	1.1E-08	5.2E-10	5.1E-08	6.0E-08	2.1E-08	4.3E-07	6.8E-09	0.0E+00
INFNT	1.1E-08	5.3E-10	8.3E-08	1.1E-07	3.3E-08	1.0E-06	1.2E-08	0.0E+00
GOAT	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD NE			
ADULT	4.4E-08	1.3E-09	3.6E-08	6.1E-08	2.1E-08	1.7E-07	6.7E-09	0.0E+00
TEEN	4.3E-08	1.6E-09	6.4E-08	1.1E-07	3.6E-08	2.6E-07	1.3E-08	0.0E+00
CHILD	3.2E-08	1.3E-09	1.5E-07	1.8E-07	5.9E-08	5.2E-07	2.0E-08	0.0E+00
INFNT	3.0E-08	1.3E-09	2.4E-07	3.4E-07	9.2E-08	1.3E-06	3.6E-08	0.0E+00
INHAL	PATHWAY,	DIST GP= 1,		1052. METERS,	WINDS TOWARD NE			
ADULT	6.0E-09	1.0E-09	4.2E-09	7.6E-09	3.6E-09	1.0E-07	2.5E-09	0.0E+00
TEEN	4.7E-09	1.0E-09	5.8E-09	1.0E-08	4.5E-09	1.2E-07	3.4E-09	0.0E+00
CHILD	2.5E-09	7.9E-10	7.8E-09	9.3E-09	4.1E-09	1.4E-07	2.8E-09	0.0E+00
INFNT	1.1E-09	4.3E-10	4.8E-09	6.7E-09	2.5E-09	1.2E-07	1.9E-09	0.0E+00

THIS IS LAST ACCUMULATION

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT

FOR DATES 88 1 1 1 THRU 88 33124

	BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,	1852.	METERS,	WINDS	TOWARD	ENE	
ADULT	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.5E-07	1.6E-06
TEEN	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.5E-07	1.6E-06
CHILD	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.5E-07	1.6E-06
INFNT	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.5E-07	1.6E-06
GROUND	PATHWAY,	DIST GP= 1,	1852.	METERS,	WINDS	TOWARD	ENE	
ADULT	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.4E-07
TEEN	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.4E-07
CHILD	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.4E-07
INFNT	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.4E-07
VEGET	PATHWAY,	DIST GP= 1,	1852.	METERS,	WINDS	TOWARD	ENE	
ADULT	1.6E-07	6.4E-09	1.3E-07	2.2E-07	7.7E-08	4.8E-07	2.5E-08	0.0E+00
TEEN	1.4E-07	6.8E-09	2.1E-07	3.4E-07	1.1E-07	4.0E-07	4.4E-08	0.0E+00
CHILD	9.9E-08	5.2E-09	4.9E-07	5.6E-07	1.8E-07	6.0E-07	6.5E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY,	DIST GP= 1,	3862.	METERS,	WINDS	TOWARD	ENE	
ADULT	5.2E-09	3.7E-10	4.2E-09	7.1E-09	2.5E-09	1.8E-08	8.0E-10	0.0E+00
TEEN	2.3E-09	2.1E-10	3.4E-09	5.7E-09	1.9E-09	1.3E-08	7.3E-10	0.0E+00
CHILD	1.3E-09	1.2E-10	6.2E-09	7.3E-09	2.4E-09	2.0E-08	8.4E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,	8045.	METERS,	WINDS	TOWARD	ENE	
ADULT	1.2E-08	4.3E-10	9.6E-09	1.6E-08	5.9E-09	1.3E-07	1.8E-09	0.0E+00
TEEN	1.1E-08	5.5E-10	1.7E-08	2.8E-08	1.0E-08	2.1E-07	3.5E-09	0.0E+00
CHILD	8.8E-09	4.3E-10	4.1E-08	4.7E-08	1.7E-08	4.1E-07	5.3E-09	0.0E+00
INFNT	8.7E-09	4.3E-10	6.6E-08	9.0E-08	2.7E-08	1.0E-06	9.4E-09	0.0E+00
GOAT	PATHWAY,	DIST GP= 1,	8045.	METERS,	WINDS	TOWARD	ENE	
ADULT	3.5E-08	1.0E-09	2.8E-08	4.8E-08	1.7E-08	1.6E-07	5.2E-09	0.0E+00
TEEN	3.3E-08	1.3E-09	5.0E-08	8.3E-08	2.9E-08	2.5E-07	1.1E-08	0.0E+00
CHILD	2.5E-08	1.0E-09	1.2E-07	1.4E-07	4.6E-08	4.9E-07	1.6E-08	0.0E+00
INFNT	2.4E-08	1.0E-09	1.9E-07	2.7E-07	7.3E-08	1.2E-06	2.8E-08	0.0E+00
INHAL	PATHWAY,	DIST GP= 1,	1852.	METERS,	WINDS	TOWARD	ENE	
ADULT	1.5E-09	3.4E-10	1.0E-09	1.9E-09	1.0E-09	3.7E-08	6.8E-10	0.0E+00
TEEN	1.2E-09	3.4E-10	1.4E-09	2.5E-09	1.3E-09	4.5E-08	8.8E-10	0.0E+00
CHILD	6.9E-10	2.7E-10	1.9E-09	2.4E-09	1.2E-09	5.0E-08	7.5E-10	0.0E+00
INFNT	3.3E-10	1.5E-10	1.2E-09	1.7E-09	6.9E-10	4.6E-08	4.9E-10	0.0E+00

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 88 1 1 1 THRU 88 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	6.1E-07	1.5E-06
TEEN	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	6.1E-07	1.5E-06
CHILD	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	6.1E-07	1.5E-06
INFNT	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	6.1E-07	1.5E-06
GROUND PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.9E-07
TEEN	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.9E-07
CHILD	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.9E-07
INFNT	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.9E-07
VEGET PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	2.0E-07	7.8E-09	1.6E-07	2.7E-07	9.2E-08	5.3E-07	3.0E-08	0.0E+00
TEEN	1.6E-07	8.2E-09	2.5E-07	4.1E-07	1.4E-07	4.4E-07	5.3E-08	0.0E+00
CHILD	1.2E-07	6.2E-09	5.8E-07	6.7E-07	2.2E-07	6.7E-07	7.8E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6810. METERS, WINDS TOWARD E								
ADULT	1.9E-09	1.5E-10	1.5E-09	2.6E-09	9.0E-10	6.1E-09	2.9E-10	0.0E+00
TEEN	8.5E-10	8.2E-11	1.3E-09	2.1E-09	7.1E-10	4.4E-09	2.7E-10	0.0E+00
CHILD	4.9E-10	4.6E-11	2.3E-09	2.7E-09	8.8E-10	6.7E-09	3.1E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD E								
ADULT	1.2E-08	4.4E-10	1.0E-08	1.7E-08	6.2E-09	1.3E-07	1.8E-09	0.0E+00
TEEN	1.2E-08	5.6E-10	1.8E-08	2.9E-08	1.1E-08	2.0E-07	3.7E-09	0.0E+00
CHILD	9.2E-09	4.3E-10	4.3E-08	4.9E-08	1.7E-08	3.9E-07	5.6E-09	0.0E+00
INFNT	9.0E-09	4.3E-10	6.9E-08	9.5E-08	2.8E-08	9.6E-07	9.9E-09	0.0E+00
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD E								
ADULT	3.6E-08	1.1E-09	2.9E-08	5.0E-08	1.7E-08	1.5E-07	5.5E-09	0.0E+00
TEEN	3.5E-08	1.4E-09	5.3E-08	8.7E-08	3.0E-08	2.4E-07	1.1E-08	0.0E+00
CHILD	2.6E-08	1.0E-09	1.3E-07	1.5E-07	4.9E-08	4.7E-07	1.7E-08	0.0E+00
INFNT	2.5E-08	1.0E-09	2.0E-07	2.8E-07	7.7E-08	1.2E-06	3.0E-08	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	1.7E-09	3.2E-10	1.2E-09	2.1E-09	1.1E-09	3.5E-08	6.9E-10	0.0E+00
TEEN	1 3E-09	3.2E-10	1.6E-09	2.8E-09	1.3E-09	4.3E-08	9.1E-10	0.0E+00
CHILD	7.2E-10	2.5E-10	2.2E-09	2.6E-09	1.2E-09	4.7E-08	7.7E-10	0.0E+00
INFNT	3.3E-10	1.4E-10	1.3E-09	1.9E-09	7.3E-10	4.3E-08	5.1E-10	0.0E+00

THIS IS LAST ACCUMULATION

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT

FOR DATES 88 1 1 1 THRU 88 33124

	BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE							
ADULT	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.7E-07	1.9E-06
TEEN	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.7E-07	1.9E-06
CHILD	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.7E-07	1.9E-06
INFNT	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.7E-07	1.9E-06
GROUND	PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE							
ADULT	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.6E-07
TEEN	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.6E-07
CHILD	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.6E-07
INFNT	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.6E-07
VEGET	PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE							
ADULT	2.4E-07	1.0E-08	2.0E-07	3.4E-07	1.2E-07	8.0E-07	3.7E-08	0.0E+00
TEEN	2.0E-07	1.0E-08	3.1E-07	5.1E-07	1.7E-07	6.7E-07	6.6E-08	0.0E+00
CHILD	1.5E-07	7.8E-09	7.3E-07	8.4E-07	2.7E-07	1.0E-06	9.8E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 2434. METERS, WINDS TOWARD ESE							
ADULT	1.3E-08	1.0E-09	1.0E-08	1.8E-08	6.1E-09	5.0E-08	2.0E-09	0.0E+00
TEEN	5.7E-09	5.6E-10	8.5E-09	1.4E-08	4.9E-09	3.6E-08	1.8E-09	0.0E+00
CHILD	3.3E-09	3.1E-10	1.6E-08	1.8E-08	6.0E-09	5.5E-08	2.1E-09	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE							
ADULT	1.4E-08	5.3E-10	1.2E-08	2.0E-08	7.3E-09	1.8E-07	2.1E-09	0.0E+00
TEEN	1.4E-08	6.8E-10	2.1E-08	3.4E-08	1.3E-08	2.8E-07	4.3E-09	0.0E+00
CHILD	1.1E-08	5.3E-10	5.0E-08	5.8E-08	2.1E-08	5.5E-07	6.4E-09	0.0E+00
INFNT	1.1E-08	5.3E-10	8.0E-08	1.1E-07	3.3E-08	1.3E-06	1.1E-08	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE							
ADULT	4.2E-08	1.3E-09	3.4E-08	5.8E-08	2.0E-08	2.1E-07	6.4E-09	0.0E+00
TEEN	4.1E-08	1.6E-09	6.1E-08	1.0E-07	3.5E-08	3.4E-07	1.3E-08	0.0E+00
CHILD	3.0E-08	1.2E-09	1.5E-07	1.7E-07	5.7E-08	6.6E-07	1.9E-08	0.0E+00
INFNT	2.9E-08	1.2E-09	2.3E-07	3.2E-07	9.0E-08	1.6E-06	3.4E-08	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE							
ADU	.1E-09	4.1E-10	1.4E-09	2.6E-09	1.3E-09	4.4E-08	8.7E-10	0.0E+00
TEEN	1.7E-09	4.1E-10	2.0E-09	3.4E-09	1.6E-09	5.4E-08	1.1E-09	0.0E+00
CHILD	9.0E-10	3.2E-10	2.6E-09	3.2E-09	1.5E-09	6.0E-08	9.8E-10	0.0E+00
INFNT	4.1E-10	1.8E-10	1.6E-09	2.3E-09	9.0E-10	5.5E-08	6.4E-10	0.0E+00

THIS IS LAST ACCUMULATION

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT

FOR DATES 88 1 1 1 THRU 88 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,		914. METERS, WINDS TOWARD SE				
ADULT	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	3.5E-06
TEEN	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	3.5E-06
CHILD	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	3.5E-06
INFNT	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	3.5E-06
GROUND	PATHWAY,	DIST GP= 1,		914. METERS, WINDS TOWARD SE				
ADULT	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	9.8E-07
TEEN	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	9.8E-07
CHILD	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	9.8E-07
INFNT	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	9.8E-07
VEGET	PATHWAY,	DIST GP= 1,		914. METERS, WINDS TOWARD SE				
ADULT	6.6E-07	2.2E-08	5.5E-07	9.1E-07	3.1E-07	1.9E-06	1.0E-07	0.0E+00
TEEN	5.5E-07	2.4E-08	8.6E-07	1.4E-06	4.7E-07	1.6E-06	1.8E-07	0.0E+00
CHILD	4.0E-07	1.8E-08	2.0E-06	2.3E-06	7.4E-07	2.4E-06	2.6E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY,	DIST GP= 1,		4354. METERS, WINDS TOWARD SE				
ADULT	5.2E-09	2.7E-10	4.3E-09	7.2E-09	2.5E-09	1.8E-08	8.0E-10	0.0E+00
TEEN	2.3E-09	1.5E-10	3.5E-09	5.8E-09	2.0E-09	1.3E-08	7.3E-10	0.0E+00
CHILD	1.3E-09	8.6E-11	6.4E-09	7.4E-09	2.4E-09	1.9E-08	8.5E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,		6840. METERS, WINDS TOWARD SE				
ADULT	1.9E-08	6.8E-10	1.6E-08	2.7E-08	9.8E-09	2.1E-07	2.9E-09	0.0E+00
TEEN	1.9E-08	8.7E-10	2.9E-08	4.7E-08	1.7E-08	3.4E-07	5.8E-09	0.0E+00
CHILD	1.5E-08	6.7E-10	6.8E-08	7.9E-08	2.8E-08	6.6E-07	8.8E-09	0.0E+00
INFNT	1.4E-08	6.6E-10	1.1E-07	1.5E-07	4.4E-08	1.6E-06	1.6E-08	0.0E+00
GOAT	PATHWAY,	DIST GP= 1,		8045. METERS, WINDS TOWARD SE				
ADULT	4.3E-08	1.3E-09	3.6E-08	6.0E-08	2.1E-08	1.9E-07	6.6E-09	0.0E+00
TEEN	4.2E-08	1.6E-09	6.4E-08	1.0E-07	3.6E-08	3.0E-07	1.3E-08	0.0E+00
CHILD	3.1E-08	1.2E-09	1.5E-07	1.8E-07	5.8E-08	6.0E-07	2.0E-08	0.0E+00
INFNT	2.9E-08	1.2E-09	2.4E-07	3.3E-07	9.2E-08	1.5E-06	3.6E-08	0.0E+00
INHAL	PATHWAY,	DIST GP= 1,		914. METERS, WINDS TOWARD SE				
ADULT	4.1E-09	6.8E-10	3.0E-09	5.3E-09	2.5E-09	8.3E-08	1.5E-09	0.0E+00
TEEN	3.3E-09	6.8E-10	4.1E-09	7.0E-09	3.2E-09	1.0E-07	2.0E-09	0.0E+00
CHILD	1.7E-09	5.3E-10	5.5E-09	6.5E-09	2.9E-09	1.1E-07	1.7E-09	0.0E+00
INFNT	7.7E-10	2.9E-10	3.4E-09	4.7E-09	1.8E-09	1.0E-07	1.1E-09	0.0E+00

THIS IS LAST ACCUMULATION

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 88 1 1 1 THRU 88 33124

	BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,		1093. METERS,	WINDS TOWARD SSE			
ADULT	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.5E-07	1.6E-06
TEEN	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.5E-07	1.6E-06
CHILD	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.5E-07	1.6E-06
INFNT	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.5E-07	1.6E-06
GROUND	PATHWAY,	DIST GP= 1,		1093. METERS,	WINDS TOWARD SSE			
ADULT	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.8E-07
TEEN	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.8E-07
CHILD	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.8E-07
INFNT	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.8E-07
VEGET	PATHWAY,	DIST GP= 1,		1093. METERS,	WINDS TOWARD SSE			
ADULT	1.9E-07	7.3E-09	1.6E-07	2.6E-07	9.0E-08	5.7E-07	2.9E-08	0.0E+00
TEEN	1.6E-07	7.7E-09	2.5E-07	4.0E-07	1.4E-07	4.7E-07	5.2E-08	0.0E+00
CHILD	1.2E-07	5.8E-09	5.7E-07	6.6E-07	2.1E-07	7.2E-07	7.6E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEA	PATHWAY,	DIST GP= 1,		1093. METERS,	WINDS TOWARD SSE			
ADULT	2.0E-08	1.4E-09	1.6E-08	2.7E-08	9.3E-09	7.0E-08	3.0E-09	0.0E+00
TEEN	8.7E-09	7.5E-10	1.3E-08	2.2E-08	7.4E-09	5.1E-08	2.8E-09	0.0E+00
CHILD	5.0E-09	4.2E-10	2.4E-08	2.8E-08	9.1E-09	7.6E-08	3.2E-09	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,		6840. METERS,	WINDS TOWARD SSE			
ADULT	7.6E-09	2.8E-10	6.2E-09	1.0E-08	3.8E-09	8.6E-08	1.1E-09	0.0E+00
TEEN	7.4E-09	3.5E-10	1.1E-08	1.8E-08	6.7E-09	1.4E-07	2.3E-09	0.0E+00
CHILD	5.7E-09	2.7E-10	2.6E-08	3.1E-08	1.1E-08	2.7E-07	3.4E-09	0.0E+00
INFNT	5.6E-09	2.7E-10	4.3E-08	5.9E-08	1.7E-08	6.5E-07	6.1E-09	0.0E+00
GOAT	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD SSE			
ADULT	1.7E-08	5.1E-10	1.4E-08	2.3E-08	8.1E-09	7.8E-08	2.6E-09	0.0E+00
TEEN	1.6E-08	6.4E-10	2.5E-08	4.1E-08	1.4E-08	1.2E-07	5.1E-09	0.0E+00
CHILD	1.2E-08	4.9E-10	5.9E-08	6.8E-08	2.3E-08	2.4E-07	7.8E-09	0.0E+00
INFNT	1.2E-08	4.9E-10	9.4E-08	1.3E-07	3.6E-08	5.9E-07	1.4E-08	0.0E+00
INHAL	PATHWAY,	DIST GP= 1,		1093. METERS,	WINDS TOWARD SSE			
ADU	2.0E-09	3.3E-10	1.5E-09	2.6E-09	1.2E-09	3.7E-08	7.6E-10	0.0E+00
TEEN	1.6E-09	3.3E-10	2.0E-09	3.4E-09	1.6E-09	4.6E-08	1.0E-09	0.0E+00
CHILD	8.4E-10	2.6E-10	2.7E-09	3.2E-09	1.4E-09	5.1E-08	8.6E-10	0.0E+00
INFNT	3.7E-10	1.4E-10	1.7E-09	2.3E-09	8.6E-10	4.6E-08	5.7E-10	0.0E+00

THIS IS LAST ACCUMULATION

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT

FOR DATES 88 1 1 1 THRU 88 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.0E-07	1.2E-06
TEEN	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.0E-07	1.2E-06
CHILD	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.0E-07	1.2E-06
INFNT	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.0E-07	1.2E-06
GROUND PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.8E-07
TEEN	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.8E-07
CHILD	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.8E-07
INFNT	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.8E-07
VEGET PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	1.2E-07	4.3E-09	9.9E-08	1.7E-07	5.7E-08	4.1E-07	1.8E-08	0.0E+00
TEEN	1.0E-07	4.5E-09	1.5E-07	2.5E-07	8.5E-08	3.4E-07	3.2E-08	0.0E+00
CHILD	7.3E-08	3.5E-09	3.6E-07	4.1E-07	1.3E-07	5.1E-07	4.8E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6115. METERS, WINDS TOWARD S								
ADULT	4.5E-10	2.5E-11	3.7E-10	6.3E-10	2.2E-10	1.8E-09	7.0E-11	0.0E+00
TEEN	2.0E-10	1.4E-11	3.0E-10	5.0E-10	1.7E-10	1.3E-09	6.4E-11	0.0E+00
CHILD	1.2E-10	8.5E-12	5.5E-10	6.4E-10	2.1E-10	2.0E-09	7.4E-11	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD S								
ADULT	2.4E-09	9.0E-11	2.0E-09	3.3E-09	1.2E-09	3.1E-08	3.6E-10	0.0E+00
TEEN	2.4E-09	1.2E-10	3.6E-09	5.8E-09	2.2E-09	4.9E-08	7.3E-10	0.0E+00
CHILD	1.8E-09	9.0E-11	8.5E-09	9.8E-09	3.5E-09	9.7E-08	1.1E-09	0.0E+00
INFNT	1.8E-09	9.0E-11	1.4E-08	1.9E-08	5.6E-09	2.4E-07	2.0E-09	0.0E+00
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD S								
ADULT	7.2E-09	2.2E-10	5.9E-09	9.9E-09	3.4E-09	3.7E-08	1.1E-09	0.0E+00
TEEN	6.9E-09	2.8E-10	1.1E-08	1.7E-08	6.0E-09	5.9E-08	2.2E-09	0.0E+00
CHILD	5.2E-09	2.1E-10	2.5E-08	2.9E-08	9.7E-09	1.2E-07	3.3E-09	0.0E+00
INFNT	4.9E-09	2.1E-10	4.0E-08	5.5E-08	1.5E-08	2.8E-07	5.8E-09	0.0E+00
INHAL PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	1.3E-09	2.1E-10	9.5E-10	1.7E-09	8.2E-10	3.0E-08	4.2E-10	0.0E+00
TEEN	1.0E-09	2.1E-10	1.3E-09	2.2E-09	1.0E-09	3.6E-08	5.6E-10	0.0E+00
CHILD	5.5E-10	1.7E-10	1.8E-09	2.1E-09	9.6E-10	4.0E-08	4.8E-10	0.0E+00
INFNT	2.5E-10	9.3E-11	1.1E-09	1.5E-09	5.8E-10	3.7E-08	3.1E-10	0.0E+00

THIS IS LAST ACCUMULATION

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 88 1 1 1 THRU 88 33124

	BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,		770. METERS,	WINDS TOWARD SSW			
ADULT	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.3E-06	3.2E-06
TEEN	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.3E-06	3.2E-06
CHILD	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.3E-06	3.2E-06
INFNT	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.3E-06	3.2E-06
GROUND	PATHWAY,	DIST GP= 1,		770. METERS,	WINDS TOWARD SSW			
ADULT	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	4.1E-07
TEEN	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	4.1E-07
CHILD	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	4.1E-07
INFNT	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	4.1E-07
VEGET	PATHWAY,	DIST GP= 1,		770. METERS,	WINDS TOWARD SSW			
ADULT	2.8E-07	9.9E-09	2.3E-07	3.9E-07	1.3E-07	9.2E-07	4.3E-08	0.0E+00
TEEN	2.3E-07	1.1E-08	3.6E-07	5.9E-07	2.0E-07	7.6E-07	7.6E-08	0.0E+00
CHILD	1.7E-07	8.2E-09	8.5E-07	9.7E-07	3.2E-07	1.2E-06	1.1E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEA	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD SSW			
ADULT	5.4E-10	2.9E-11	4.4E-10	7.5E-10	2.6E-10	2.1E-09	8.5E-11	0.0E+00
TEEN	2.4E-10	1.7E-11	3.6E-10	6.0E-10	2.1E-10	1.5E-09	7.7E-11	0.0E+00
CHILD	1.4E-10	1.0E-11	6.6E-10	7.7E-10	2.5E-10	2.3E-09	8.9E-11	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD SSW			
ADULT	4.7E-09	1.7E-10	3.9E-09	6.5E-09	2.4E-09	5.8E-08	7.0E-10	0.0E+00
TEEN	4.6E-09	2.2E-10	6.9E-09	1.1E-08	4.2E-09	9.2E-08	1.4E-09	0.0E+00
CHILD	3.5E-09	1.8E-10	1.6E-08	1.9E-08	6.8E-09	1.8E-07	2.1E-09	0.0E+00
INFNT	3.5E-09	1.8E-10	2.7E-08	3.6E-08	1.1E-08	4.4E-07	3.8E-09	0.0E+00
GOAT	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD SSW			
ADULT	1.4E-08	4.2E-10	1.1E-08	1.9E-08	6.6E-09	7.0E-08	2.1E-09	0.0E+00
TEEN	1.3E-08	5.4E-10	2.0E-08	3.3E-08	1.2E-08	1.1E-07	4.2E-09	0.0E+00
CHILD	1.0E-08	4.2E-10	4.8E-08	5.6E-08	1.9E-08	2.2E-07	6.4E-09	0.0E+00
INFNT	9.5E-09	4.2E-10	7.8E-08	1.1E-07	3.0E-08	5.3E-07	1.1E-08	0.0E+00
INHAL	PATHWAY,	DIST GP= 1,		770. METERS,	WINDS TOWARD SSW			
ADU	7E-09	5.9E-10	2.6E-09	4.7E-09	2.2E-09	7.7E-08	1.2E-09	0.0E+00
TEEN	2.9E-09	5.9E-10	3.6E-09	6.2E-09	2.9E-09	9.4E-08	1.6E-09	0.0E+00
CHILD	1.5E-09	4.6E-10	4.9E-09	5.8E-09	2.6E-09	1.0E-07	1.4E-09	0.0E+00
INFNT	6.8E-10	2.5E-10	3.0E-09	4.2E-09	1.6E-09	9.5E-08	9.1E-10	0.0E+00

APPENDIX 1.3

SUMMARY OF MAXIMUM INDIVIDUAL DOSES

SECOND QUARTER, 1988

SUMMARY OF MAXIMUM INDIVIDUAL DOSES - 2nd Quarter 1988

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	QUARTERLY LIMIT (MR)
Liquid	Total Body	6.22 E-2	Adult	Receptor 1	4.15 E 0	1.5
Liquid	Liver	8.32 E-2	Teen	Receptor 1	1.66 E 0	5.0
Noble Gas	Air Dose (Gamma-mrad)	5.56 E-3		629 SE	1.11 E-1	5.0
Noble Gas	Air Dose (Beta-mrad)	1.37 E-2		629 SE	1.37 E-1	10.0
Noble Gas	Total Body	1.67 E-3	All	914 SE	3.34 E-2	YEARLY 5.0
Noble Gas	Skin	4.38 E-3	All	914 SE	2.92 E-2	YEARLY 15.0
Iodines and Particulates	Thyroid	1.54 E-1	Child	770 SSW	2.05 E 0	7.5

FOR RECEPTOR NUMBER 1

TOTAL LIQUID DOSE ACCUMULATIONS(REM)
START DATE 88 4 1 1 END DATE 88 63024

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	3.0E-07	4.8E-06	4.6E-06	1.0E-05	4.4E-06	4.3E-06	4.5E-06	0.0E+00
TEEN	2.9E-07	3.5E-06	3.2E-06	8.3E-06	3.2E-06	3.1E-06	3.2E-06	0.0E+00
CHILD	8.4E-07	6.8E-06	6.0E-06	1.9E-05	6.1E-06	5.8E-06	5.9E-06	0.0E+00
INFANT	8.8E-07	6.9E-06	5.8E-06	2.6E-05	6.0E-06	5.8E-06	5.7E-06	0.0E+00
SHORE								
ADULT	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	4.0E-08
TEEN	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	2.2E-07
CHILD	4.0E-08	4.0E-08	4.0E-08	4.0E-08	4.0E-08	4.0E-08	4.0E-08	4.6E-08
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
FW SPT FISH								
ADULT	4.3E-05	7.8E-05	5.8E-05	7.0E-06	2.6E-05	8.7E-06	4.7E-06	0.0E+00
TEEN	4.5E-05	7.9E-05	3.3E-05	6.5E-06	2.7E-05	1.0E-05	3.4E-06	0.0E+00
CHILD	5.6E-05	6.9E-05	1.3E-05	6.6E-06	2.2E-05	8.0E-06	1.3E-06	0.0E+00
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

ENTER: [RETURN] CONTINUE, [SO] START OVER, [EX] EXIT

TOTAL LIQUID DOSE ACCUMULATIONS(REM)
START DATE 88 4 1 1 END DATE 88 63024

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
TOTAL								
ADULT	4.4E-05	8.2E-05	6.2E-05	1.7E-05	3.1E-05	1.3E-05	9.3E-06	4.0E-08
TEEN	4.6E-05	8.3E-05	3.6E-05	1.5E-05	3.0E-05	1.3E-05	6.7E-06	2.2E-07
CHILD	5.7E-05	7.6E-05	1.9E-05	2.5E-05	2.9E-05	1.4E-05	7.2E-06	4.6E-08
INFANT	8.8E-07	6.9E-06	5.8E-06	2.6E-05	6.0E-06	5.8E-06	5.7E-06	0.0E+00

GA
DATE OF TOTAL AIR DOSE ACCUMULATION ARE FROM 88 4 1 1 0 TO 88 63024 0
DOSE ACCUMULATION FOR GAMMA RAD
**DIRECTION FROM N
4.0747E-06 4.8481E-07 2.3237E-07 1.3953E-07 9.8660E-08
5.0033E-08 1.9743E-08 9.7752E-09 6.2279E-09 3.9291E-09
**DIRECTION FROM NNE
4.0562E-06 5.2222E-07 2.4215E-07 1.4188E-07 9.9269E-08
4.9530E-08 1.9066E-08 9.3947E-09 5.9826E-09 3.7211E-09
**DIRECTION FROM NE
2.9447E-06 3.7552E-07 1.8330E-07 1.1137E-07 7.8957E-08
4.0210E-08 1.6127E-08 8.1112E-09 5.2285E-09 3.3160E-09
**DIRECTION FROM ENE
2.5240E-06 3.0175E-07 1.4824E-07 9.0521E-08 6.4320E-08
3.2845E-08 1.3182E-08 6.5914E-09 4.2262E-09 2.6858E-09
**DIRECTION FROM E
8.3024E-06 1.0878E-06 5.1073E-07 3.0107E-07 2.1291E-07
1.0870E-07 4.2822E-08 2.1251E-08 1.3585E-08 8.5530E-09
**DIRECTION FROM ESE
3.9323E-06 4.2692E-07 2.1516E-07 1.3403E-07 9.6193E-08
5.0011E-08 2.0667E-08 1.0575E-08 6.8818E-09 4.4513E-09
**DIRECTION FROM SE
2.5502E-06 2.8726E-07 1.4172E-07 8.6847E-08 6.1883E-08
3.1740E-08 1.2758E-08 6.3474E-09 4.0504E-09 2.5806E-09
**DIRECTION FROM SSE
2.3536E-06 2.7622E-07 1.3963E-07 8.6857E-08 6.2247E-08
3.[illegible]E-08 1.3232E-08 6.6816E-09 4.3092E-09 2.7676E-09
**D[illegible]TION FROM S
3.9[illegible]1E-06 4.5228E-07 2.2809E-07 1.4171E-07 1.0159E-07
5.2682E-08 2.1595E-08 1.0890E-08 7.0164E-09 4.5103E-09
**DIRECTION FROM SSW
2.3872E-06 2.8387E-07 1.4451E-07 9.0488E-08 6.4600E-08
3.3152E-08 1.3600E-08 6.9143E-09 4.4827E-09 2.8746E-09
**DIRECTION FROM SW
1.4168E-06 1.8833E-07 8.8128E-08 5.1836E-08 3.6585E-08
1.8610E-08 7.3090E-09 3.6308E-09 2.3237E-09 1.4598E-09
**DIRECTION FROM WSW
2.8853E-06 3.6574E-07 1.7059E-07 1.0045E-07 7.0489E-08
3.5376E-08 1.3743E-08 6.8083E-09 4.3517E-09 2.7234E-09
**DIRECTION FROM W
2.0591E-06 2.5338E-07 1.2441E-07 7.6068E-08 5.3848E-08
2.7284E-08 1.0940E-08 5.5099E-09 3.5547E-09 2.2552E-09
**DIRECTION FROM WNW
4.3358E-06 4.3612E-07 2.1640E-07 1.3429E-07 9.6537E-08
5.0571E-08 2.1254E-08 1.1241E-08 7.4862E-09 4.9021E-09
**DIRECTION FROM NW
6.1330E-06 5.4647E-07 2.8131E-07 1.7927E-07 1.3081E-07
7.0336E-08 3.0579E-08 1.6480E-08 1.1089E-08 7.3792E-09
**DIRECTION FROM NNW
4.0975E-06 4.8836E-07 2.3070E-07 1.3741E-07 9.6490E-08
4.8307E-08 1.8818E-08 9.3173E-09 5.9472E-09 3.7333E-09
DISTANCES USED IN CALCULATIONS
[illegible]0 2416.0 4020.0 5630.0 7240.0
1[illegible]0 24135.0 40225.0 56315.0 80500.0

BE
DATES OF TOTAL AIR DOSE ACCUMULATION ARE FROM 88 4 1 1 0 TO 88 63024 0
DOSE ACCUMULATION FOR BETA RAD

**DIRECTION FROM N

8.8991E-06	1.0636E-06	5.0924E-07	3.0549E-07	2.1604E-07
1.0963E-07	4.3266E-08	2.1427E-08	1.3654E-08	8.6149E-09

**DIRECTION FROM NNE

8.9343E-06	1.1469E-06	5.3263E-07	3.1242E-07	2.1876E-07
1.0931E-07	4.2155E-08	2.0786E-08	1.3242E-08	8.2457E-09

**DIRECTION FROM NE

6.5541E-06	8.3178E-07	4.0654E-07	2.4721E-07	1.7537E-07
8.9413E-08	3.5901E-08	1.8056E-08	1.1637E-08	7.3855E-09

**DIRECTION FROM ENE

5.7359E-06	6.8161E-07	3.3630E-07	2.0597E-07	1.4652E-07
7.4961E-08	3.0177E-08	1.5107E-08	9.6923E-09	6.1694E-09

**DIRECTION FROM E

2.1003E-05	2.7623E-06	1.2948E-06	7.6218E-07	5.3900E-07
2.7530E-07	1.0840E-07	5.3786E-08	3.4381E-08	2.1641E-08

**DIRECTION FROM ESE

8.9086E-06	9.5309E-07	4.8160E-07	3.0067E-07	2.1608E-07
1.1264E-07	4.6733E-08	2.4000E-08	1.5655E-08	1.0150E-08

**DIRECTION FROM SE

5.7301E-06	6.4280E-07	3.1817E-07	1.9540E-07	1.3937E-07
7.1604E-08	2.8855E-08	1.4372E-08	9.1767E-09	5.8547E-09

**DIRECTION FROM SSE

5.3715E-06	6.3037E-07	3.1861E-07	1.9817E-07	1.4202E-07
7.3582E-08	3.0187E-08	1.5243E-08	9.8302E-09	6.3135E-09

**DIRECTION FROM S

8.6635E-06	9.9465E-07	5.0202E-07	3.1206E-07	2.2373E-07
1.1603E-07	4.7577E-08	2.3998E-08	1.5464E-08	9.9423E-09

**DIRECTION FROM SSW

5.1536E-06	6.1291E-07	3.1199E-07	1.9533E-07	1.3945E-07
7.1576E-08	2.9363E-08	1.4927E-08	9.6773E-09	6.2059E-09

**DIRECTION FROM SW

3.1833E-06	4.2025E-07	1.9747E-07	1.1654E-07	8.2303E-08
4.1889E-08	1.6490E-08	8.1997E-09	5.2504E-09	3.3023E-09

**DIRECTION FROM WSW

6.1775E-06	7.8288E-07	3.6538E-07	2.1526E-07	1.5106E-07
7.5809E-08	2.9461E-08	1.4600E-08	9.3345E-09	5.8427E-09

**DIRECTION FROM W

4.5047E-06	5.5159E-07	2.7091E-07	1.6567E-07	1.1732E-07
5.9487E-08	2.3862E-08	1.2014E-08	7.7487E-09	4.9182E-09

**DIRECTION FROM WNW

1.0350E-05	9.8930E-07	4.9618E-07	3.1074E-07	2.2464E-07
1.1895E-07	5.0795E-08	2.7225E-08	1.8278E-08	1.2065E-08

**DIRECTION FROM NW

1.5190E-05	1.2741E-06	6.6403E-07	4.2754E-07	3.1395E-07
1.7084E-07	7.5544E-08	4.1318E-08	2.8047E-08	1.8807E-08

**DIRECTION FROM NNW

8.8658E-06	1.0563E-06	4.9979E-07	2.9799E-07	2.0937E-07
1.0493E-07	4.0937E-08	2.0283E-08	1.2951E-08	8.1361E-09

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 88 4 1 1 THRU 88 63024

	BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,		814. METERS,	WINDS TOWARD NNE			
ADULT	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	9.1E-07	2.1E-06
TEEN	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	9.1E-07	2.1E-06
CHILD	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	9.1E-07	2.1E-06
INFNT	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	9.1E-07	2.1E-06
GROUND	PATHWAY,	DIST GP= 1,		814. METERS,	WINDS TOWARD NNE			
ADULT	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	2.0E-07
TEEN	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	2.0E-07
CHILD	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	2.0E-07
INFNT	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	2.0E-07
VEGET	PATHWAY,	DIST GP= 1,		814. METERS,	WINDS TOWARD NNE			
ADULT	1.5E-07	3.5E-08	1.6E-07	2.3E-07	2.1E-07	3.0E-05	2.0E-08	0.0E+00
TEEN	1.3E-07	2.9E-08	2.2E-07	3.0E-07	2.2E-07	2.4E-05	3.4E-08	0.0E+00
CHILD	1.3E-07	2.3E-08	4.9E-07	4.9E-07	3.1E-07	3.7E-05	5.1E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY,	DIST GP= 1,		7725. METERS,	WINDS TOWARD NNE			
ADULT	3.7E-10	1.4E-10	3.9E-10	5.8E-10	5.5E-10	8.0E-08	6.1E-11	0.0E+00
TEEN	2.1E-10	7.9E-11	3.3E-10	4.6E-10	4.4E-10	5.8E-08	4.9E-11	0.0E+00
CHILD	2.2E-10	5.5E-11	6.0E-10	6.1E-10	5.6E-10	8.7E-08	5.8E-11	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD NNE			
ADULT	5.2E-09	1.8E-09	6.1E-09	8.8E-09	1.2E-08	2.1E-06	3.3E-10	0.0E+00
TEEN	7.5E-09	2.4E-09	1.1E-08	1.5E-08	2.1E-08	3.3E-06	6.4E-10	0.0E+00
CHILD	1.2E-08	1.9E-09	2.7E-08	2.7E-08	3.4E-08	6.4E-06	9.9E-10	0.0E+00
INFNT	2.2E-08	1.9E-09	5.3E-08	6.2E-08	5.9E-08	1.6E-05	1.7E-09	0.0E+00
GOAT	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD NNE			
ADULT	9.2E-09	2.3E-09	1.1E-08	1.5E-08	1.6E-08	2.5E-06	9.4E-10	0.0E+00
TEEN	1.2E-08	3.0E-09	1.9E-08	2.6E-08	2.8E-08	3.9E-06	1.8E-09	0.0E+00
CHILD	1.7E-08	2.5E-09	4.6E-08	4.6E-08	4.6E-08	7.7E-06	2.8E-09	0.0E+00
INFNT	2.9E-08	2.6E-09	8.5E-08	1.0E-07	7.9E-08	1.9E-05	5.1E-09	0.0E+00
INHAL	PATHWAY,	DIST GP= 1,		814. METERS,	WINDS TOWARD NNE			
ADULT	1.5E-08	6.1E-09	1.5E-08	2.3E-08	3.4E-08	5.9E-06	4.6E-09	0.0E+00
TEEN	1.7E-08	6.2E-09	2.1E-08	3.1E-08	4.6E-08	7.2E-06	5.6E-09	0.0E+00
CHILD	1.6E-08	3.9E-09	2.8E-08	3.0E-08	4.3E-08	8.0E-06	4.8E-09	0.0E+00
INFNT	1.1E-08	1.9E-09	2.1E-08	2.6E-08	2.8E-08	7.3E-06	3.0E-09	0.0E+00

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 88 4 1 1 THRU 88 63024

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

PLUME PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE

ADULT	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.8E-07	9.1E-07
TEEN	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.8E-07	9.1E-07
CHILD	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.8E-07	9.1E-07
INFNT	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.8E-07	9.1E-07

GROUND PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE

ADULT	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.8E-07
TEEN	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.8E-07
CHILD	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.8E-07
INFNT	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.8E-07

VEGET PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE

ADULT	1.3E-07	3.0E-08	1.5E-07	2.1E-07	1.8E-07	2.5E-05	1.8E-08	0.0E+00
TEEN	1.1E-07	2.4E-08	2.0E-07	2.7E-07	1.9E-07	2.1E-05	3.0E-08	0.0E+00
CHILD	1.1E-07	1.9E-08	4.4E-07	4.3E-07	2.7E-07	3.2E-05	4.5E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NE

ADULT	5.0E-10	1.7E-10	5.3E-10	7.8E-10	7.2E-10	1.1E-07	7.7E-11	0.0E+00
TEEN	2.8E-10	9.9E-11	4.4E-10	6.2E-10	5.8E-10	7.6E-08	6.3E-11	0.0E+00
CHILD	2.9E-10	6.7E-11	8.2E-10	8.2E-10	7.4E-10	1.2E-07	7.4E-11	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NE

ADULT	7.0E-09	2.3E-09	8.2E-09	1.2E-08	1.5E-08	2.7E-06	4.4E-10	0.0E+00
TEEN	1.0E-08	3.1E-09	1.5E-08	2.1E-08	2.7E-08	4.3E-06	8.6E-10	0.0E+00
CHILD	1.6E-08	2.5E-09	3.6E-08	3.6E-08	4.6E-08	8.5E-06	1.3E-09	0.0E+00
INFNT	2.9E-08	2.5E-09	7.0E-08	8.3E-08	7.9E-08	2.1E-05	2.4E-09	0.0E+00

GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NE

ADULT	1.2E-08	3.0E-09	1.4E-08	2.0E-08	2.1E-08	3.3E-06	1.3E-09	0.0E+00
TEEN	1.6E-08	3.9E-09	2.6E-08	3.5E-08	3.7E-08	5.2E-06	2.5E-09	0.0E+00
CHILD	2.2E-08	3.2E-09	6.3E-08	6.2E-08	6.1E-08	1.0E-05	3.9E-09	0.0E+00
INFNT	3.8E-08	3.3E-09	1.1E-07	1.4E-07	1.0E-07	2.5E-05	6.9E-09	0.0E+00

INHAL PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE

ADULT	1.1E-08	4.3E-09	1.0E-08	1.6E-08	2.4E-08	4.0E-06	3.1E-09	0.0E+00
TEEN	1.2E-08	4.4E-09	1.5E-08	2.2E-08	3.2E-08	5.0E-06	3.7E-09	0.0E+00
CHILD	1.1E-08	2.8E-09	2.0E-08	2.1E-08	3.0E-08	5.5E-06	3.2E-09	0.0E+00
INFNT	7.8E-09	1.4E-09	1.5E-08	1.8E-08	1.9E-08	5.0E-06	2.0E-09	0.0E+00

THIS IS TOTAL ACCUMULATION

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT

FOR DATES 88 4 1 1 THRU 88 63024

D.	BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,		1852. METERS,	WINDS TOWARD ENE			
ADULT	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.3E-07	7.7E-07
TEEN	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.3E-07	7.7E-07
CHILD	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.3E-07	7.7E-07
INFNT	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.3E-07	7.7E-07
GROUND	PATHWAY,	DIST GP= 1,		1852. METERS,	WINDS TOWARD ENE			
ADULT	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	1.0E-07
TEEN	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	1.0E-07
CHILD	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	1.0E-07
INFNT	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	1.0E-07
VEGET	PATHWAY,	DIST GP= 1,		1852. METERS,	WINDS TOWARD ENE			
ADULT	7.6E-08	1.9E-08	8.6E-08	1.2E-07	1.1E-07	1.7E-05	9.4E-09	0.0E+00
TEEN	6.5E-08	1.5E-08	1.1E-07	1.6E-07	1.2E-07	1.4E-05	1.6E-08	0.0E+00
CHILD	6.6E-08	1.1E-08	2.5E-07	2.5E-07	1.7E-07	2.1E-05	2.4E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEA	PATHWAY,	DIST GP= 1,		3862. METERS,	WINDS TOWARD ENE			
ADULT	2.6E-09	9.9E-10	2.9E-09	4.1E-09	4.1E-09	6.2E-07	3.2E-10	0.0E+00
TEEN	1.5E-09	5.7E-10	2.4E-09	3.3E-09	3.3E-09	4.5E-07	2.8E-10	0.0E+00
CHILD	1.6E-09	3.5E-10	4.4E-09	4.4E-09	4.2E-09	6.8E-07	3.3E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD ENE			
ADULT	1.1E-08	3.8E-09	1.3E-08	1.9E-08	2.5E-08	4.5E-06	6.0E-10	0.0E+00
TEEN	1.6E-08	5.1E-09	2.4E-08	3.3E-08	4.5E-08	7.2E-06	1.2E-09	0.0E+00
CHILD	2.6E-08	4.1E-09	5.7E-08	5.7E-08	7.5E-08	1.4E-05	1.8E-09	0.0E+00
INFNT	4.8E-08	4.1E-09	1.1E-07	1.3E-07	1.3E-07	3.4E-05	3.3E-09	0.0E+00
GOAT	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD ENE			
ADULT	1.9E-08	4.8E-09	2.2E-08	3.1E-08	3.3E-08	5.4E-06	1.7E-09	0.0E+00
TEEN	2.5E-08	6.4E-09	4.0E-08	5.5E-08	5.9E-08	8.6E-06	3.5E-09	0.0E+00
CHILD	3.6E-08	5.2E-09	9.6E-08	9.5E-08	9.9E-08	1.7E-05	5.4E-09	0.0E+00
INFNT	6.2E-08	5.2E-09	1.8E-07	2.1E-07	1.7E-07	4.1E-05	9.6E-09	0.0E+00
INHAL	PATHWAY,	DIST GP= 1,		1852. METERS,	WINDS TOWARD ENE			
ADU	4.9E-09	2.1E-09	4.9E-09	7.7E-09	1.1E-08	1.9E-06	1.6E-09	0.0E+00
TEEN	5.7E-09	2.1E-09	6.8E-09	1.0E-08	1.5E-08	2.4E-06	1.9E-09	0.0E+00
CHILD	5.4E-09	1.3E-09	9.2E-09	1.0E-08	1.4E-08	2.6E-06	1.6E-09	0.0E+00
INFNT	3.7E-09	6.6E-10	7.0E-09	8.7E-09	9.2E-09	2.4E-06	1.0E-09	0.0E+00

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 88 4 1 1 THRU 88 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,		1705. METERS, WINDS TOWARD E				
ADULT	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.5E-07	5.9E-07
TEEN	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.5E-07	5.9E-07
CHILD	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.5E-07	5.9E-07
INFNT	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.5E-07	5.9E-07
GROUND	PATHWAY,	DIST GP= 1,		1705. METERS, WINDS TOWARD E				
ADULT	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	5.8E-08
TEEN	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	5.8E-08
CHILD	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	5.8E-08
INFNT	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	5.8E-08
VEGET	PATHWAY,	DIST GP= 1,		1705. METERS, WINDS TOWARD E				
ADULT	4.2E-08	9.8E-09	4.7E-08	6.6E-08	5.8E-08	8.2E-06	5.8E-09	0.0E+00
TEEN	3.6E-08	8.0E-09	6.3E-08	8.6E-08	6.3E-08	6.8E-06	9.6E-09	0.0E+00
CHILD	3.6E-08	6.4E-09	1.4E-07	1.4E-07	8.8E-08	1.0E-05	1.5E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY,	DIST GP= 1,		6810. METERS, WINDS TOWARD E				
ADULT	4.4E-10	1.6E-10	4.7E-10	6.9E-10	6.5E-10	9.5E-08	6.9E-11	0.0E+00
TEEN	2.5E-10	9.1E-11	3.9E-10	5.5E-10	5.3E-10	6.9E-08	5.6E-11	0.0E+00
CHILD	2.6E-10	6.2E-11	7.3E-10	7.3E-10	6.7E-10	1.0E-07	6.6E-11	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,		8045. METERS, WINDS TOWARD E				
ADULT	5.0E-09	1.7E-09	5.9E-09	8.4E-09	1.1E-08	2.0E-06	3.2E-10	0.0E+00
TEEN	7.2E-09	2.2E-09	1.1E-08	1.5E-08	2.0E-08	3.1E-06	6.1E-10	0.0E+00
CHILD	1.2E-08	1.8E-09	2.6E-08	2.6E-08	3.3E-08	6.1E-06	9.5E-10	0.0E+00
INFNT	2.1E-08	1.8E-09	5.0E-08	6.0E-08	5.7E-08	1.5E-05	1.7E-09	0.0E+00
GOAT	PATHWAY,	DIST GP= 1,		8045. METERS, WINDS TOWARD E				
ADULT	8.8E-09	2.1E-09	1.0E-08	1.4E-08	1.5E-08	2.4E-06	9.0E-10	0.0E+00
TEEN	1.1E-08	2.9E-09	1.8E-08	2.5E-08	2.6E-08	3.7E-06	1.8E-09	0.0E+00
CHILD	1.6E-08	2.3E-09	4.5E-08	4.4E-08	4.4E-08	7.4E-06	2.7E-09	0.0E+00
INFNT	2.7E-08	2.4E-09	8.2E-08	9.7E-08	7.5E-08	1.8E-05	4.9E-09	0.0E+00
INHAL	PATHWAY,	DIST GP= 1,		1705. METERS, WINDS TOWARD E				
ADULT	4.1E-09	1.7E-09	4.1E-09	6.5E-09	9.5E-09	1.6E-06	1.3E-09	0.0E+00
TEEN	4.8E-09	1.8E-09	5.8E-09	8.7E-09	1.3E-08	2.0E-06	1.6E-09	0.0E+00
CHILD	4.6E-09	1.1E-09	7.9E-09	8.4E-09	1.2E-08	2.2E-06	1.4E-09	0.0E+00
INFNT	3.1E-09	5.4E-10	6.0E-09	7.4E-09	7.8E-09	2.0E-06	8.7E-10	0.0E+00

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 88 4 1 1 THRU 88 63024

	BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE							
ADULT	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.9E-07	1.2E-06
TEEN	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.9E-07	1.2E-06
CHILD	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.9E-07	1.2E-06
INFNT	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.9E-07	1.2E-06
GROUND	PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE							
ADULT	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	6.8E-08
TEEN	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	6.8E-08
CHILD	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	6.8E-08
INFNT	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	6.8E-08
VEGET	PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE							
ADULT	5.2E-08	1.3E-08	5.8E-08	8.2E-08	7.7E-08	1.2E-05	6.4E-09	0.0E+00
TEEN	4.4E-08	1.1E-08	7.7E-08	1.1E-07	8.2E-08	9.6E-06	1.1E-08	0.0E+00
CHILD	4.6E-08	8.1E-09	1.7E-07	1.7E-07	1.1E-07	1.5E-05	1.6E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 2434. METERS, WINDS TOWARD ESE							
ADULT	2.9E-09	1.2E-09	3.2E-09	4.6E-09	4.7E-09	7.2E-07	3.6E-10	0.0E+00
TEEN	1.7E-09	6.8E-10	2.7E-09	3.7E-09	3.8E-09	5.2E-07	3.1E-10	0.0E+00
CHILD	1.9E-09	4.2E-10	5.0E-09	5.0E-09	4.8E-09	7.9E-07	3.6E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE							
ADULT	6.2E-09	2.2E-09	7.3E-09	1.0E-08	1.4E-08	2.6E-06	3.3E-10	0.0E+00
TEEN	9.0E-09	2.9E-09	1.3E-08	1.8E-08	2.5E-08	4.0E-06	6.4E-10	0.0E+00
CHILD	1.5E-08	2.3E-09	3.2E-08	3.2E-08	4.2E-08	8.0E-06	9.9E-10	0.0E+00
INFNT	2.7E-08	2.3E-09	6.3E-08	7.4E-08	7.3E-08	1.9E-05	1.8E-09	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE							
ADULT	1.0E-08	2.7E-09	1.2E-08	1.7E-08	1.9E-08	3.1E-06	9.4E-10	0.0E+00
TEEN	1.4E-08	3.6E-09	2.2E-08	3.0E-08	3.3E-08	4.9E-06	1.9E-09	0.0E+00
CHILD	2.0E-08	2.9E-09	5.3E-08	5.2E-08	5.5E-08	9.6E-06	2.9E-09	0.0E+00
INFNT	3.5E-08	3.0E-09	9.9E-08	1.2E-07	9.5E-08	2.3E-05	5.2E-09	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE							
ADULT	3.4E-09	1.8E-09	4.5E-09	7.0E-09	1.0E-08	1.8E-06	1.5E-09	0.0E+00
TEEN	5.1E-09	1.9E-09	6.3E-09	9.4E-09	1.4E-08	2.2E-06	1.9E-09	0.0E+00
CHILD	5.0E-09	1.1E-09	8.5E-09	9.1E-09	1.3E-08	2.5E-06	1.6E-09	0.0E+00
INFNT	3.4E-09	5.5E-10	6.5E-09	8.0E-09	8.6E-09	2.3E-06	1.0E-09	0.0E+00

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FOR DATES 88 4 1 1 THRU 88 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	4.4E-06
TEEN	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	4.4E-06
CHILD	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	4.4E-06
INFNT	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	4.4E-06
GROUND PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	4.3E-07
TEEN	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	4.3E-07
CHILD	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	4.3E-07
INFNT	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	4.3E-07
VEGET PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	4.0E-07	8.6E-08	3.9E-07	6.1E-07	5.7E-07	8.5E-05	4.1E-08	0.0E+00
TEEN	3.4E-07	6.5E-08	5.1E-07	7.7E-07	6.0E-07	7.1E-05	7.1E-08	0.0E+00
CHILD	3.4E-07	4.4E-08	1.1E-06	1.2E-06	8.2E-07	1.1E-04	1.0E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 4354. METERS, WINDS TOWARD SE								
ADULT	3.4E-09	9.1E-10	3.3E-09	5.2E-09	5.1E-09	8.0E-07	3.4E-10	0.0E+00
TEEN	1.9E-09	5.4E-10	2.8E-09	4.2E-09	4.1E-09	5.8E-07	3.0E-10	0.0E+00
CHILD	2.0E-09	3.3E-10	5.1E-09	5.4E-09	5.2E-09	8.7E-07	3.5E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 6840. METERS, WINDS TOWARD SE								
ADULT	2.4E-08	8.0E-09	2.6E-08	3.9E-08	5.3E-08	9.5E-06	1.1E-09	0.0E+00
TEEN	3.5E-08	1.1E-08	4.8E-08	6.9E-08	9.5E-08	1.5E-05	2.3E-09	0.0E+00
CHILD	5.6E-08	8.5E-09	1.2E-07	1.2E-07	1.6E-07	3.0E-05	3.4E-09	0.0E+00
INFNT	1.0E-07	8.4E-09	2.3E-07	2.8E-07	2.7E-07	7.2E-05	6.1E-09	0.0E+00
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SE								
ADULT	3.1E-08	7.6E-09	3.2E-08	4.9E-08	5.3E-08	8.6E-06	2.6E-09	0.0E+00
TEEN	4.1E-08	1.0E-08	5.8E-08	8.6E-08	9.4E-08	1.4E-05	5.1E-09	0.0E+00
CHILD	5.8E-08	8.0E-09	1.4E-07	1.5E-07	1.6E-07	2.7E-05	7.7E-09	0.0E+00
INFNT	9.8E-08	8.0E-09	2.6E-07	3.3E-07	2.7E-07	6.6E-05	1.4E-08	0.0E+00
INHAL PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	1.2E-08	5.1E-09	1.3E-08	1.9E-08	2.9E-08	5.1E-06	3.8E-09	0.0E+00
TEEN	1.4E-08	5.2E-09	1.8E-08	2.6E-08	4.0E-08	6.3E-06	4.9E-09	0.0E+00
CHILD	1.4E-08	3.1E-09	2.4E-08	2.5E-08	3.7E-08	7.0E-06	4.1E-09	0.0E+00
INFNT	9.5E-09	1.4E-09	1.8E-08	2.3E-08	2.4E-08	6.4E-06	2.7E-09	0.0E+00

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INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT

FOR DATES 88 4 1 1 THRU 88 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,		1093. METERS,	WINDS TOWARD SSE			
ADULT	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.8E-07	2.3E-06
TEEN	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.8E-07	2.3E-06
CHILD	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.8E-07	2.3E-06
INFNT	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.8E-07	2.3E-06
GROUND	PATHWAY,	DIST GP= 1,		1093. METERS,	WINDS TOWARD SSE			
ADULT	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.7E-07
TEEN	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.7E-07
CHILD	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.7E-07
INFNT	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.7E-07
VEGET	PATHWAY,	DIST GP= 1,		1093. METERS,	WINDS TOWARD SSE			
ADULT	1.3E-07	3.5E-08	1.5E-07	2.1E-07	2.0E-07	3.1E-05	1.5E-08	0.0E+00
TEEN	1.1E-07	2.8E-08	1.9E-07	2.6E-07	2.1E-07	2.6E-05	2.5E-08	0.0E+00
CHILD	1.2E-07	2.0E-08	4.2E-07	4.1E-07	2.9E-07	3.9E-05	3.8E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY,	DIST GP= 1,		1093. METERS,	WINDS TOWARD SSE			
ADULT	1.4E-08	6.3E-09	1.6E-08	2.3E-08	2.4E-08	3.8E-06	1.6E-09	0.0E+00
TEEN	8.5E-09	3.6E-09	1.3E-08	1.9E-08	1.9E-08	2.7E-06	1.4E-09	0.0E+00
CHILD	9.4E-09	2.1E-09	2.5E-08	2.5E-08	2.5E-08	4.1E-06	1.6E-09	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,		6840. METERS,	WINDS TOWARD SSE			
ADULT	1.1E-08	3.9E-09	1.3E-08	1.8E-08	2.6E-08	4.7E-06	5.2E-10	0.0E+00
TEEN	1.6E-08	5.2E-09	2.4E-08	3.3E-08	4.6E-08	7.4E-06	1.0E-09	0.0E+00
CHILD	2.7E-08	4.3E-09	5.7E-08	5.7E-08	7.7E-08	1.5E-05	1.6E-09	0.0E+00
INFNT	4.9E-08	4.1E-09	1.1E-07	1.3E-07	1.3E-07	3.5E-05	2.9E-09	0.0E+00
GOAT	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD SSE			
ADULT	1.4E-08	3.7E-09	1.6E-08	2.2E-08	2.5E-08	4.2E-06	1.1E-09	0.0E+00
TEEN	1.8E-08	4.9E-09	2.9E-08	4.0E-08	4.5E-08	6.7E-06	2.3E-09	0.0E+00
CHILD	2.7E-08	3.9E-09	7.0E-08	6.9E-08	7.5E-08	1.3E-05	3.5E-09	0.0E+00
INFNT	4.7E-08	3.9E-09	1.3E-07	1.5E-07	1.3E-07	3.2E-05	6.4E-09	0.0E+00
INHAL	PATHWAY,	DIST GP= 1,		1093. METERS,	WINDS TOWARD SSE			
ADULT	9.2E-09	3.8E-09	9.7E-09	1.5E-08	2.3E-08	4.0E-06	3.2E-09	0.0E+00
TEEN	1.1E-08	3.9E-09	1.4E-08	2.0E-08	3.1E-08	4.9E-06	4.1E-09	0.0E+00
CHILD	1.1E-08	2.3E-09	1.8E-08	2.0E-08	2.9E-08	5.4E-06	3.4E-09	0.0E+00
INFNT	7.3E-09	1.1E-09	1.4E-08	1.7E-08	1.9E-08	4.9E-06	2.3E-09	0.0E+00

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FOR DATES 88 4 1 1 THRU 88 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,		863. METERS, WINDS TOWARD S				
ADULT	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.0E-06
TEEN	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.0E-06
CHILD	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.0E-06
INFNT	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.0E-06
GROUND	PATHWAY,	DIST GP= 1,		863. METERS, WINDS TOWARD S				
ADULT	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.5E-07
TEEN	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.5E-07
CHILD	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.5E-07
INFNT	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.5E-07
VEGET	PATHWAY,	DIST GP= 1,		863. METERS, WINDS TOWARD S				
ADULT	1.8E-07	4.4E-08	2.0E-07	2.9E-07	2.6E-07	3.9E-05	2.3E-08	0.0E+00
TEEN	1.5E-07	3.6E-08	2.7E-07	3.7E-07	2.8E-07	3.2E-05	3.9E-08	0.0E+00
CHILD	1.6E-07	2.7E-08	6.0E-07	5.9E-07	3.9E-07	4.9E-05	5.9E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY,	DIST GP= 1,		6115. METERS, WINDS TOWARD S				
ADULT	7.5E-10	2.8E-10	8.2E-10	1.2E-09	1.2E-09	1.7E-07	1.0E-10	0.0E+00
TEEN	4.3E-10	1.6E-10	6.8E-10	9.5E-10	9.3E-10	1.3E-07	8.4E-11	0.0E+00
CHILD	4.6E-10	1.0E-10	1.3E-09	1.3E-09	1.2E-09	1.9E-07	1.0E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,		8045. METERS, WINDS TOWARD S				
ADULT	7.3E-09	2.5E-09	8.7E-09	1.2E-08	1.7E-08	3.0E-06	4.1E-10	0.0E+00
TEEN	1.1E-08	3.4E-09	1.6E-08	2.2E-08	3.0E-08	4.7E-06	8.1E-10	0.0E+00
CHILD	1.7E-08	2.7E-09	3.8E-08	3.8E-08	4.9E-08	9.3E-06	1.2E-09	0.0E+00
INFNT	3.2E-08	2.7E-09	7.4E-08	8.8E-08	8.6E-08	2.3E-05	2.2E-09	0.0E+00
GOAT	PATHWAY,	DIST GP= 1,		8045. METERS, WINDS TOWARD S				
ADULT	1.3E-08	3.2E-09	1.5E-08	2.1E-08	2.2E-08	3.6E-06	1.2E-09	0.0E+00
TEEN	1.6E-08	4.2E-09	2.6E-08	3.6E-08	3.9E-08	5.6E-06	2.4E-09	0.0E+00
CHILD	2.4E-08	3.4E-09	6.4E-08	6.3E-08	6.5E-08	1.1E-05	3.6E-09	0.0E+00
INFNT	4.1E-08	3.5E-09	1.2E-07	1.4E-07	1.1E-07	2.7E-05	6.5E-09	0.0E+00
INHAL	PATHWAY,	DIST GP= 1,		863. METERS, WINDS TOWARD S				
ADULT	1.4E-08	6.0E-09	1.5E-08	2.3E-08	3.4E-08	6.0E-06	4.8E-09	0.0E+00
TEEN	1.7E-08	6.2E-09	2.1E-08	3.1E-08	4.6E-08	7.3E-06	5.9E-09	0.0E+00
CHILD	1.6E-08	3.8E-09	2.8E-08	3.0E-08	4.4E-08	8.2E-06	5.1E-09	0.0E+00
INFNT	1.1E-08	1.8E-09	2.2E-08	2.7E-08	2.8E-08	7.5E-06	3.3E-09	0.0E+00

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 88 4 1 1 THRU 88 63024

	BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,		770. METERS,	WINDS TOWARD SSW			
ADULT	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	4.0E-06
TEEN	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	4.0E-06
CHILD	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	4.0E-06
INFNT	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	4.0E-06
GROUND	PATHWAY,	DIST GP= 1,		770. METERS,	WINDS TOWARD SSW			
ADULT	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	5.0E-07
TEEN	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	5.0E-07
CHILD	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	5.0E-07
INFNT	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	5.0E-07
VEGET	PATHWAY,	DIST GP= 1,		770. METERS,	WINDS TOWARD SSW			
ADULT	3.7E-07	9.1E-08	4.2E-07	5.9E-07	5.4E-07	8.1E-05	4.4E-08	0.0E+00
TEEN	3.1E-07	7.3E-08	5.6E-07	7.6E-07	5.8E-07	6.7E-05	7.6E-08	0.0E+00
CHILD	3.2E-07	5.2E-08	1.2E-06	1.2E-06	8.1E-07	1.0E-04	1.2E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEA	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD SSW			
ADULT	7.8E-10	3.1E-10	8.6E-10	1.2E-09	1.2E-09	1.9E-07	1.0E-10	0.0E+00
TEEN	4.5E-10	1.8E-10	7.1E-10	1.0E-09	9.9E-10	1.3E-07	8.5E-11	0.0E+00
CHILD	4.8E-10	1.1E-10	1.3E-09	1.3E-09	1.2E-09	2.0E-07	1.0E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD SSW			
ADULT	1.3E-08	4.3E-09	1.5E-08	2.1E-08	2.9E-08	5.1E-06	6.7E-10	0.0E+00
TEEN	1.8E-08	5.8E-09	2.7E-08	3.7E-08	5.1E-08	8.1E-06	1.3E-09	0.0E+00
CHILD	3.0E-08	4.6E-09	6.5E-08	6.5E-08	8.5E-08	1.6E-05	2.1E-09	0.0E+00
INFNT	5.5E-08	4.6E-09	1.3E-07	1.5E-07	1.5E-07	3.9E-05	3.7E-09	0.0E+00
GOAT	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD SSW			
ADULT	2.1E-08	5.4E-09	2.5E-08	3.5E-08	3.8E-08	6.1E-06	2.0E-09	0.0E+00
TEEN	2.8E-08	7.2E-09	4.5E-08	6.2E-08	6.7E-08	9.7E-06	3.9E-09	0.0E+00
CHILD	4.1E-08	5.8E-09	1.1E-07	1.1E-07	1.1E-07	1.9E-05	6.0E-09	0.0E+00
INFNT	7.0E-08	5.8E-09	2.0E-07	2.4E-07	1.9E-07	4.7E-05	1.1E-08	0.0E+00
INHAL	PATHWAY,	DIST GP= 1,		770. METERS,	WINDS TOWARD SSW			
ADU	2.3E-08	9.2E-09	2.4E-08	3.7E-08	5.4E-08	9.5E-06	7.3E-09	0.0E+00
TEEN	2.7E-08	9.5E-09	3.3E-08	4.9E-08	7.3E-08	1.2E-05	9.2E-09	0.0E+00
CHILD	2.6E-08	5.7E-09	4.5E-08	4.8E-08	6.9E-08	1.3E-05	7.8E-09	0.0E+00
INFNT	1.8E-08	2.7E-09	3.4E-08	4.2E-08	4.5E-08	1.2E-05	5.1E-09	0.0E+00

APPENDIX 1.4

SUMMARY OF MAXIMUM INDIVIDUAL DOSES

JANUARY 1 - JUNE 30, 1988

SUMMARY OF MAXIMUM INDIVIDUAL DOSES

Annual - 1988

Effluent	Applicable Organ	Age Group	Estimated Dose (millirem) Quarter 1st	2nd	3rd	4th	Annual
Liquid	Whole Body	Adult	1.96E-2	6.22E-2			
Liquid	Liver	Teen		8.32E-2			
		Child	2.45E-2				
Noble Gas	Air Dose* Gamma	All	2.36E-2	5.56E-3			
Noble Gas	Air Dose* Beta	All	5.12E-2	1.37E-2			
Noble Gas	Whole Body	All	1.70E-3	1.67E-3			
Noble Gas	Skin	All	4.37E-3	4.38E-3			
Iodines and Particulates	Thyroid	Child	4.07E-3	1.54E-1			

*Dose in millirad

APPENDIX 2.1

SUMMARY OF HOURLY METEOROLOGICAL DATA

FIRST QUARTER, 1988

ATTACHMENT 7A. COOK PLANT FREQUENCY TABLES OF WIND SPEED AND WIND DIRECTION 50 FT VS DELTA TEMPERATURE 180-30 FT
JANUARY 1, 1988 THROUGH MARCH 31, 1988

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	2	2	0	4
NNE	0	0	2	2	0	0	4
NE	0	0	1	0	0	0	1
ENE	0	2	5	6	0	0	13
E	0	0	0	0	0	0	0
ESE	0	1	0	0	0	0	1
SE	0	2	2	0	2	0	6
SSE	2	5	4	1	0	0	12
S	1	5	6	1	0	0	13
SSW	0	5	2	1	0	0	8
SW	0	1	4	1	0	0	6
WSW	1	4	12	4	5	0	26
W	1	2	4	2	4	0	13
WNW	0	2	7	10	1	0	20
NW	0	8	4	5	3	1	21
NNW	1	4	1	1	5	0	12
TOTAL	6	41	54	36	22	1	160

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 394

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	0	0	1	1	3
NNE	0	0	0	0	0	0	0
NE	0	1	0	0	1	0	2
ENE	0	0	0	1	0	0	1
E	0	1	0	0	0	0	1
ESE	0	0	0	0	0	0	0
SE	0	0	0	1	0	0	1
SSE	0	2	0	1	1	0	4
S	0	1	1	0	0	0	2
SSW	0	3	1	0	0	0	4
SW	0	1	3	1	2	0	7
WSW	0	1	2	4	1	0	8
W	0	0	2	1	0	0	3
WNW	0	0	3	5	5	3	16
NW	1	0	2	2	2	0	7
NNW	0	0	1	1	0	0	2
TOTAL	1	11	15	17	13	4	61

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 394

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	2	0	0	0	3
NNE	0	0	2	0	0	0	2
NE	0	0	0	0	0	0	0
ENE	0	0	1	0	1	0	2
E	1	1	0	0	0	0	2
ESE	0	2	0	0	0	0	2
SE	0	0	0	2	0	0	2
SSE	0	2	0	0	0	0	2
S	0	1	0	0	0	0	1
SSW	0	0	4	0	0	0	4
SW	0	3	1	0	0	0	4
WSW	0	0	4	5	0	0	9
W	0	0	1	2	0	0	3
WNW	0	1	2	5	3	2	13
NW	0	1	0	5	2	0	8
NNW	1	1	0	1	0	0	3
TOTAL	3	12	17	20	6	2	60

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 394

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	6	9	1	0	0	18
NNE	4	12	24	7	0	0	47
NE	4	14	27	4	0	0	49
ENE	3	4	6	0	0	0	13
E	1	8	22	7	0	0	38
ESE	1	10	8	5	8	1	33
SE	1	8	11	17	1	0	38
SSE	4	6	6	2	0	0	18
S	4	14	5	3	0	0	26
SSW	0	11	10	4	0	0	25
SW	0	8	32	24	3	0	67
WSW	1	3	28	18	11	0	61
W	2	5	11	44	43	20	125
WNW	2	4	23	67	44	7	147
NW	6	10	24	38	22	0	100
NNW	4	7	15	21	8	2	57
TOTAL	39	130	261	262	140	30	862

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 11
HOURS OF MISSING DATA: 394

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	2	0	2	0	0	5
NNE	3	6	1	5	0	0	15
NE	1	1	2	0	0	0	4
ENE	1	5	2	0	0	0	8
E	2	5	5	0	0	0	12
ESE	1	6	11	2	0	0	20
SE	4	6	33	9	0	0	52
SSE	1	7	19	5	0	0	32
S	0	17	10	3	0	0	30
SSW	0	19	30	10	0	0	59
SW	3	13	52	46	0	0	114
WSW	2	13	14	21	3	1	54
W	0	5	8	7	0	0	20
WNW	3	5	8	6	1	0	23
NW	3	4	3	2	0	0	12
NNW	4	4	4	0	0	0	12
TOTAL	29	118	202	118	4	1	472

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 5
HOURS OF MISSING DATA: 394

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	0	0	0	0	1
NNE	0	1	1	0	2	0	4
NE	0	2	0	0	0	0	2
ENE	1	4	0	0	0	0	5
E	0	7	7	0	0	0	14
ESE	0	8	5	0	0	0	13
SE	0	4	0	0	0	0	4
SSE	2	8	2	0	0	0	12
S	0	6	0	0	0	0	6
SSW	0	9	1	0	0	0	10
SW	0	2	1	2	0	0	5
WSW	1	3	4	10	1	0	19
W	2	1	9	5	0	0	17
WNW	2	0	4	1	0	0	7
NW	1	0	1	0	0	0	2
NNW	0	1	0	0	0	0	1
TOTAL	9	57	35	18	3	0	122

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 394

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	1	0	0	0	0	1
ESE	0	6	4	0	0	0	10
SE	0	1	0	2	0	0	3
SSE	0	6	5	7	0	0	18
S	1	4	1	0	0	0	6
SSW	0	1	3	0	0	0	4
SW	0	0	2	1	0	0	3
WSW	0	1	0	1	2	0	4
W	0	1	2	0	0	0	3
WNW	0	1	0	0	0	0	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	1	22	17	11	2	0	53

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 394

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	10	11	5	3	1	34
NNE	7	19	30	14	2	0	72
NE	5	18	30	4	1	0	58
ENE	5	15	14	7	1	0	42
E	4	23	34	7	0	0	68
ESE	2	33	28	7	8	1	79
SE	5	21	46	31	3	0	106
SSE	9	36	36	16	1	0	98
S	6	48	23	7	0	0	84
SSW	0	48	51	15	0	0	114
SW	3	28	95	75	5	0	206
WSW	5	25	64	63	23	1	181
W	5	14	37	61	47	20	184
WNW	7	13	47	94	54	12	227
NW	11	23	34	52	29	1	150
NNW	10	17	21	24	13	2	87
TOTAL	88	391	601	482	190	38	1790

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 21
HOURS OF MISSING DATA: 394

ATTACHMENT 10A. COOK PL[illegible]OINT FREQUENCY TABLES OF WIND SPEED
AND WIND DIRECTION 15[illegible]T VS DELTA TEMPERATURE 180-30 FT
JANUARY 1, 1988 THROUGH MARCH 31, 1988

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	5	1	0	0	6
NNE	0	0	1	2	1	0	4
NE	0	1	1	1	0	0	3
ENE	0	0	4	8	0	0	12
E	0	1	2	1	0	0	4
ESE	2	2	0	2	0	0	6
SE	0	2	2	1	0	1	6
SSE	0	2	2	6	2	0	12
S	1	3	9	6	1	1	21
SSW	0	2	3	7	1	0	13
SW	0	1	8	9	3	0	21
WSW	0	3	3	5	1	6	18
W	0	2	11	3	4	8	28
WNW	0	3	11	6	10	12	42
NW	0	4	2	7	27	29	69
NNW	0	5	1	3	4	11	24
TOTAL	3	31	65	68	54	68	289

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 88

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	1	1	0	0	0	2
NE	0	0	0	0	0	0	0
ENE	0	0	3	1	0	0	4
E	0	1	0	0	0	0	1
ESE	0	0	0	0	0	0	0
SE	0	0	1	0	1	0	2
SSE	0	0	1	2	0	1	4
S	0	0	3	0	0	0	3
SSW	0	0	3	3	2	0	8
SW	0	0	1	5	1	2	9
WSW	0	1	1	2	3	1	8
W	0	0	0	1	1	0	2
WNW	0	0	2	2	3	6	13
NW	0	1	1	5	4	2	13
NNW	0	1	0	0	1	2	4
TOTAL	0	5	17	21	16	14	73

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 88

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	1	2	0	0	4
NNE	0	0	0	0	0	0	0
NE	0	1	0	1	0	0	2
ENE	0	0	1	1	0	0	2
E	1	1	2	1	0	0	5
ESE	0	0	1	0	0	0	1
SE	0	0	0	0	2	0	2
SSE	0	0	1	2	0	0	3
S	0	0	1	1	0	0	2
SSW	0	0	3	4	0	0	7
SW	0	0	2	4	0	0	6
WSW	0	0	1	1	3	0	5
W	0	0	0	3	1	0	4
WNW	0	0	0	5	3	4	12
NW	0	2	1	0	3	3	9
NNW	1	0	0	0	2	0	3
TOTAL	2	5	14	25	14	7	67

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 88

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	5	18	11	5	1	42
NNE	1	5	23	28	2	0	59
NE	0	8	16	5	0	0	29
ENE	0	11	14	16	0	0	41
E	0	9	19	9	0	0	37
ESE	0	9	8	6	7	8	38
SE	0	1	2	10	9	5	27
SSE	0	4	4	4	5	0	17
S	1	4	10	9	7	1	32
SSW	0	1	15	29	13	7	65
SW	0	0	10	30	23	5	68
WSW	1	5	5	21	14	21	67
W	0	1	16	12	46	42	117
WNW	1	5	13	51	59	44	173
NW	2	10	9	30	39	13	103
NNW	2	4	10	8	11	13	48
TOTAL	10	82	192	279	240	160	963

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 88

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	4	8	1	1	0	14
NNE	0	1	0	2	2	0	5
NE	1	5	6	0	0	0	12
ENE	1	2	7	2	0	0	12
E	0	2	9	3	0	0	14
ESE	0	2	2	10	2	0	16
SE	0	2	7	15	15	4	43
SSE	1	3	6	14	13	0	37
S	0	0	5	21	15	3	44
SSW	0	0	12	46	51	6	115
SW	0	11	13	28	21	5	78
WSW	3	6	7	7	12	7	42
W	0	4	5	2	4	1	16
WNW	1	3	8	4	6	1	23
NW	1	5	3	10	2	0	21
NNW	1	4	2	4	2	1	14
TOTAL	9	54	100	169	146	28	506

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 88

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	1	1	0	0	2
NNE	0	1	1	1	0	0	3
NE	0	3	3	0	0	0	6
ENE	0	2	3	5	0	0	10
E	1	1	2	3	0	0	7
ESE	0	2	5	1	0	0	8
SE	0	1	6	0	0	0	7
SSE	0	0	6	5	1	0	12
S	0	2	3	3	1	0	9
SSW	0	0	2	7	1	0	10
SW	0	3	1	8	1	2	15
WSW	0	1	0	3	6	11	21
W	0	2	2	2	3	0	9
WNW	1	2	0	5	2	0	10
NW	0	1	0	1	1	0	3
NNW	1	0	0	2	0	0	3
TOTAL	3	21	35	47	16	13	135

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 88

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	1	0	0	0	0	1
E	0	0	0	2	0	0	2
ESE	0	0	4	1	0	0	5
SE	0	2	1	1	0	0	4
SSE	0	3	4	8	6	0	21
S	0	4	0	5	2	0	11
SSW	0	1	2	2	0	0	5
SW	0	0	2	6	0	0	8
WSW	0	0	0	1	0	3	4
W	0	0	0	0	2	0	2
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	0	11	13	26	10	3	63

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 88

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88010101-88033124
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	10	33	16	6	1	68
NNE	1	8	26	33	5	0	73
NE	1	18	26	7	0	0	52
ENE	1	16	32	33	0	0	82
E	2	15	34	19	0	0	70
ESE	2	15	20	20	9	8	74
SE	0	8	19	27	27	10	91
SSE	1	12	24	41	27	1	106
S	2	13	31	45	26	5	122
SSW	0	4	40	98	68	13	223
SW	0	15	37	90	49	14	205
WSW	4	16	17	40	39	49	165
W	0	9	34	23	61	51	178
WNW	3	13	34	73	83	67	273
NW	3	23	16	53	76	47	218
NNW	5	14	13	17	20	27	96
TOTAL	27	209	436	635	496	293	2096

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 4
HOURS OF MISSING DATA: 88

APPENDIX 2.2

SUMMARY OF HOURLY METEOROLOGICAL DATA

SECOND QUARTER, 1988

ATTACHMENT 7B. COOK PLANT [illegible]NT FREQUENCY TABLES OF WIND SPEED
AND WIND DIRECTION 50 [illegible]S DELTA TEMPERATURE 180-30 FT
APRIL 1, 1988 THROUGH JUNE 30, 1988

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	19	11	1	0	0	31
NNE	0	5	10	1	2	0	18
NE	0	6	5	1	0	0	12
ENE	0	2	5	1	0	0	8
E	0	1	0	0	0	0	1
ESE	1	3	0	0	1	0	5
SE	1	6	3	1	0	0	11
SSE	0	7	1	0	0	0	8
S	0	11	6	0	0	0	17
SSW	0	7	6	2	0	0	15
SW	0	2	8	0	0	0	10
WSW	0	8	9	0	1	0	18
W	0	18	3	0	0	0	21
WNW	1	26	9	0	1	0	37
NW	1	21	3	1	0	0	26
NNW	2	10	7	0	0	0	19
TOTAL	6	152	86	8	5	0	257

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

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	3	0	1	0	5
NNE	1	3	2	3	0	0	9
NE	0	0	1	1	0	0	2
ENE	0	2	0	0	0	0	2
E	1	1	2	0	0	0	4
ESE	0	0	0	0	0	0	0
SE	0	3	1	0	0	0	4
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	0	3	0	0	0	3
WSW	0	4	4	1	3	0	12
W	0	6	2	0	0	0	8
WNW	1	5	0	0	1	0	7
NW	1	3	1	0	0	0	5
NNW	0	4	5	3	0	0	12
TOTAL	5	32	26	8	5	0	76

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

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	3	1	0	0	0	4
NNE	0	3	5	1	0	0	9
NE	0	0	0	0	0	0	0
ENE	0	1	2	0	0	0	3
E	1	0	3	0	0	0	4
ESE	0	1	1	0	0	0	2
SE	0	1	1	0	0	0	2
SSE	0	1	0	0	0	0	1
S	1	1	0	1	0	0	3
SSW	0	0	1	1	0	0	2
SW	1	0	0	0	0	0	1
WSW	1	3	3	0	0	0	7
W	1	4	1	0	0	1	7
WNW	0	6	0	0	1	0	7
NW	0	1	0	0	3	0	4
NNW	1	1	3	2	1	0	8
TOTAL	6	26	21	5	5	1	64

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 3
HOURS OF MISSING DATA: 36

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	10	10	1	6	3	34
NNE	2	7	33	25	2	1	70
NE	1	3	7	3	0	0	14
ENE	3	9	3	3	0	0	18
E	2	5	12	2	0	0	21
ESE	2	6	24	6	2	0	40
SE	2	6	12	4	1	0	25
SSE	0	5	3	1	0	0	9
S	0	6	1	1	0	0	8
SSW	0	4	2	0	0	0	6
SW	0	2	14	3	0	0	19
WSW	1	19	10	9	3	0	42
W	1	10	4	2	5	1	23
WNW	4	13	5	4	0	0	26
NW	5	2	5	7	4	0	23
NNW	4	11	16	16	3	0	50
TOTAL	31	118	161	87	26	5	428

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 12
HOURS OF MISSING DATA: 36

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	10	33	16	0	1	0	60
NNE	10	43	48	10	2	0	113
NE	5	34	40	1	0	0	80
ENE	7	9	6	0	0	0	22
E	2	16	15	0	0	0	33
ESE	2	6	15	5	0	0	28
SE	5	4	10	3	0	0	22
SSE	3	15	13	1	0	0	32
S	4	19	7	0	0	0	30
SSW	2	29	10	0	0	0	41
SW	3	19	46	8	0	0	76
WSW	7	27	19	19	4	0	76
W	6	14	3	1	0	1	25
WNW	9	14	3	1	0	0	27
NW	7	17	1	0	0	0	25
NNW	6	25	10	0	0	0	41
TOTAL	88	324	262	49	7	1	731

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 21
HOURS OF MISSING DATA: 36

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	7	0	0	0	0	10
NNE	7	10	4	0	0	0	21
NE	13	21	1	0	0	0	35
ENE	6	22	0	0	0	0	28
E	5	12	7	0	0	0	24
ESE	8	7	8	0	0	0	23
SE	1	6	1	0	0	0	8
SSE	4	7	1	0	0	0	12
S	16	12	1	1	0	0	30
SSW	10	23	3	0	0	0	36
SW	10	19	8	0	0	0	37
WSW	4	16	9	20	3	1	53
W	6	8	3	0	1	0	18
WNW	7	4	0	1	0	0	12
NW	7	1	0	0	0	0	8
NNW	7	2	0	0	0	0	9
TOTAL	114	177	46	22	4	1	364

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 14
HOURS OF MISSING DATA: 36

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	0	1	0	0	0	5
NNE	2	0	2	0	0	0	5
NE	5	5	1	0	0	0	11
ENE	8	13	4	0	0	0	25
E	14	12	11	0	0	0	37
ESE	9	10	8	0	0	0	27
SE	11	6	1	0	0	0	18
SSE	14	4	0	0	0	0	18
S	13	9	0	0	0	0	23
SSW	5	8	0	0	0	0	13
SW	6	6	0	0	0	0	12
WSW	5	4	1	3	1	0	14
W	7	1	0	1	0	0	9
WNW	2	0	0	0	0	0	2
NW	4	1	0	0	0	0	5
NNW	4	0	0	0	0	0	4
TOTAL	113	79	29	4	1	0	228

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 13
HOURS OF MISSING DATA: 36

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	22	72	42	2	8	3	149
NNE	22	71	104	40	6	1	245
NE	24	69	55	6	0	0	154
ENE	24	58	20	4	0	0	106
E	25	47	50	2	0	0	124
ESE	22	33	56	11	3	0	125
SE	20	32	29	8	1	0	90
SSE	21	39	19	2	0	0	81
S	34	58	15	3	0	0	111
SSW	17	72	23	3	0	0	115
SW	20	48	79	11	0	0	158
WSW	18	81	55	52	15	1	222
W	21	61	16	4	6	3	111
WNW	24	68	17	6	3	0	118
NW	25	46	10	8	7	0	96
NNW	24	53	41	21	4	0	143
TOTAL	363	908	631	183	53	8	2148

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 65
HOURS OF MISSING DATA: 36

ATTACHMENT 10B. COOK PLANT JOINT FREQUENCY TABLES OF WIND SPEED AND WIND DIRECTION 150 VS DELTA TEMPERATURE 180-30 FT
APRIL 1, 1988 THROUGH JUNE 30, 1988

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: A DT/DZ
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	16	14	0	1	34
NNE	0	0	3	3	0	0	6
NE	0	2	2	6	0	0	10
ENE	0	3	0	3	0	0	6
E	0	1	0	1	0	0	2
ESE	0	0	0	0	0	1	1
SE	0	5	7	2	0	0	14
SSE	0	0	4	5	0	0	9
S	0	3	13	7	3	1	27
SSW	0	0	2	0	0	1	3
SW	0	4	9	3	2	0	18
WSW	0	5	11	1	0	1	18
W	0	9	12	1	0	0	22
WNW	0	15	12	2	0	1	30
NW	1	7	12	10	1	0	31
NNW	0	6	7	11	2	1	27
TOTAL	1	63	110	69	8	7	258

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 33

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	2	5	4	0	2	13
NNE	0	1	1	0	2	0	4
NE	0	0	1	1	1	0	3
ENE	0	1	0	0	0	0	1
E	0	2	0	0	0	0	2
ESE	0	0	1	1	0	0	2
SE	0	0	3	0	0	0	3
SSE	0	0	0	1	0	0	1
S	0	1	0	1	0	0	2
SSW	0	0	0	0	0	0	0
SW	0	2	4	4	0	1	11
WSW	0	2	3	0	0	3	8
W	0	0	2	2	0	0	4
WNW	0	1	1	0	0	1	3
NW	2	4	2	0	0	0	8
NNW	0	0	3	6	1	0	10
TOTAL	2	16	26	20	4	7	75

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 33

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

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

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 33

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	10	12	29	11	13	77
NNE	2	3	6	14	7	1	33
NE	1	2	2	2	4	1	12
ENE	1	6	8	3	0	1	19
E	1	5	8	11	1	0	26
ESE	0	2	11	18	5	1	37
SE	3	0	3	8	0	1	15
SSE	0	2	3	6	1	0	12
S	0	0	3	4	2	1	10
SSW	0	2	5	3	0	0	10
SW	0	3	12	12	8	2	37
WSW	1	5	9	3	1	8	27
W	0	5	1	5	1	3	15
WNW	1	8	3	5	1	1	19
NW	4	2	3	6	5	6	26
NNW	3	7	8	20	11	3	52
TOTAL	19	62	97	149	58	42	427

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 33

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	15	39	32	6	4	98
NNE	4	16	41	40	0	0	101
NE	2	9	27	10	0	0	48
ENE	1	4	12	9	0	0	26
E	0	5	12	12	0	0	29
ESE	2	4	7	9	2	0	24
SE	1	0	3	6	5	0	15
SSE	2	0	7	15	3	0	27
S	1	2	8	25	4	1	41
SSW	1	3	13	33	5	0	55
SW	1	8	17	48	24	3	101
WSW	1	10	10	4	5	7	37
W	4	10	6	3	2	1	26
WNW	4	14	8	3	0	0	29
NW	4	11	2	6	0	0	23
NNW	2	10	23	16	2	0	53
TOTAL	32	121	235	271	58	16	733

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 7
HOURS OF MISSING DATA: 33

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	8	5	3	0	0	17
NNE	0	5	16	3	0	0	24
NE	3	7	32	1	0	0	43
ENE	0	6	11	7	0	0	25
E	0	2	7	2	0	0	11
ESE	1	2	7	5	0	0	15
SE	3	1	5	9	0	0	18
SSE	1	2	3	5	0	0	11
S	3	2	5	14	1	0	25
SSW	0	5	18	19	0	0	42
SW	1	1	20	17	2	9	50
WSW	0	3	7	12	7	10	39
W	3	4	1	7	1	0	16
WNW	3	4	0	3	1	0	11
NW	4	6	1	0	0	0	11
NNW	1	4	1	0	0	0	6
TOTAL	24	62	140	107	12	19	364

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 33

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	1	1	1	0	4
NNE	1	3	4	2	0	0	10
NE	3	6	9	1	0	0	19
ENE	2	4	12	11	0	0	29
E	2	7	5	14	1	0	29
ESE	3	9	9	4	0	0	25
SE	2	2	11	4	0	0	19
SSE	0	0	6	5	0	0	11
S	2	2	14	4	0	0	22
SSW	0	3	5	10	0	0	18
SW	1	2	7	1	0	1	12
WSW	3	4	4	2	0	3	16
W	3	1	1	0	1	0	6
WNW	2	3	1	0	0	0	6
NW	0	0	0	0	0	0	0
NNW	1	3	0	0	0	0	4
TOTAL	25	50	89	59	3	4	230

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 33

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 88040101-88063024
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	5	41	82	89	18	21	256
NNE	8	28	71	63	9	1	180
NE	9	26	73	21	5	1	135
ENE	4	25	45	34	0	1	109
E	3	22	32	43	2	0	102
ESE	6	18	35	38	7	2	106
SE	9	9	33	29	5	1	86
SSE	3	4	25	37	4	0	73
S	6	10	44	56	10	4	130
SSW	1	13	44	65	5	2	130
SW	4	22	69	87	36	16	234
WSW	6	30	44	22	13	32	147
W	10	31	26	19	5	5	96
WNW	10	46	28	13	2	3	102
NW	15	31	22	22	6	10	106
NNW	7	30	45	56	16	5	159
TOTAL	106	386	718	694	143	104	2151

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 12
HOURS OF MISSING DATA: 33

APPENDIX 2.3

HOURLY METEOROLOGICAL DATA

JANUARY 1 - JUNE 30, 1988

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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	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
200	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
300	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
400	246	0	256	0	272	0	286	0	0	2	0	2	272	0	314	232	263	0	304	235	272	0	304	250	269	0	301	236	0	2	0	0	0	2
500	217	0	223	0	251	0	270	0	0	2	0	2	278	0	318	244	268	0	314	238	277	0	312	241	274	0	307	251	0	2	0	0	0	2
600	191	0	203	0	235	0	239	0	0	2	0	2	275	0	317	234	267	0	307	223	276	0	318	238	272	0	308	226	0	2	0	0	0	2
700	212	0	218	0	242	0	246	0	0	2	0	2	282	0	318	244	272	0	314	222	280	0	323	238	277	0	310	236	0	2	0	0	0	2
800	196	0	204	0	232	0	242	0	0	2	0	2	282	0	329	246	271	0	318	202	275	0	302	222	273	0	307	247	0	2	0	0	0	2
900	174	0	177	0	203	0	212	0	0	2	0	2	288	0	330	242	277	0	318	220	282	0	318	233	280	0	302	250	0	2	0	0	0	2
1000	187	0	195	0	219	0	231	0	0	2	0	2	290	0	339	235	281	0	330	222	286	0	319	242	283	0	327	262	0	2	0	0	0	2
1100	172	0	175	0	196	0	207	0	0	2	0	2	280	0	325	240	271	0	310	235	279	0	315	240	278	0	316	238	0	2	0	0	0	2
1200	161	0	170	0	193	0	203	0	0	2	0	2	282	0	314	239	274	0	307	240	280	0	329	247	278	0	333	239	0	2	0	0	0	2
1300	173	0	174	0	205	0	212	0	0	2	0	2	271	0	314	229	263	0	296	227	274	0	310	241	271	0	305	227	0	2	0	0	0	2
1400	160	0	165	0	190	0	199	0	0	2	0	2	280	0	323	226	273	0	312	235	278	0	319	233	275	0	309	243	0	2	0	0	0	2
1500	177	0	186	0	210	0	216	0	0	2	0	2	278	0	319	243	269	0	314	237	277	0	311	242	273	0	308	245	0	2	0	0	0	2
1600	215	0	219	0	237	0	246	0	0	2	0	2	271	0	294	245	263	0	285	236	269	0	315	246	266	0	291	248	0	2	0	0	0	2
1700	203	0	215	0	224	0	236	0	0	2	0	2	271	0	300	250	262	0	291	234	266	0	307	252	263	0	293	240	0	2	0	0	0	2
1800	203	0	211	0	226	0	232	0	0	2	0	2	272	0	304	245	261	0	291	220	265	0	306	236	265	0	298	245	0	2	0	0	0	2
1900	174	0	185	0	218	0	216	0	0	2	0	2	265	0	299	212	258	0	302	195	259	0	288	234	257	0	288	218	0	2	0	0	0	2
2000	182	0	191	0	215	0	223	0	0	2	0	2	274	0	326	239	265	0	307	228	268	0	305	234	266	0	304	243	0	2	0	0	0	2
2100	194	0	203	0	217	0	229	0	0	2	0	2	272	0	311	235	262	0	299	235	271	0	307	246	268	0	289	245	0	2	0	0	0	2
2200	179	0	185	0	212	0	220	0	0	2	0	2	278	0	325	241	270	0	330	234	277	0	309	246	273	0	306	238	0	2	0	0	0	2
2300	163	0	169	0	202	0	209	0	0	2	0	2	281	0	322	231	274	0	317	240	278	0	312	233	277	0	309	248	0	2	0	0	0	2
2400	176	0	183	0	209	0	220	0	0	2	0	2	279	0	345	243	270	0	314	233	277	0	310	248	276	0	312	246	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	137	0	135	0	128	0	126	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	256	0
500	132	0	132	0	123	0	121	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
600	128	0	126	0	117	0	117	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	256	6
700	117	0	116	0	107	0	107	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
800	112	0	110	0	103	0	101	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
900	112	0	110	0	101	0	101	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1000	116	0	114	0	105	0	103	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	256	6
1100	121	0	121	0	112	0	110	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1200	121	0	121	0	110	0	108	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1300	126	0	125	0	116	0	114	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	256	6
1400	126	0	125	0	116	0	114	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	256	0
1500	128	0	126	0	117	0	116	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1600	128	0	126	0	117	0	117	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1700	128	0	126	0	116	0	116	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	256	6
1800	128	0	126	0	116	0	116	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1900	130	0	128	0	117	0	117	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2000	135	0	134	0	125	0	125	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2100	141	0	139	0	130	0	130	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	256	6
2200	152	0	150	0	141	0	143	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2300	153	0	153	0	144	0	144	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	256	6
2400	161	0	159	0	152	0	152	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	191	0	197	0	211	0	226	0	0	2	0	2	273	0	312	237	264	0	307	229	269	0	306	239	268	0	299	243	0	2	0	0	0	2
200	180	0	189	0	208	0	217	0	0	2	0	2	277	0	321	239	268	0	307	232	272	0	303	246	270	0	302	241	0	2	0	0	0	2
300	164	0	170	0	192	0	199	0	0	2	0	2	278	0	323	239	269	0	324	226	275	0	311	240	272	0	307	246	0	2	0	0	0	2
400	189	0	200	0	215	0	222	0	0	2	0	2	274	0	306	238	266	0	308	237	271	0	319	233	268	0	300	236	0	2	0	0	0	2
500	178	0	190	0	206	0	215	0	0	2	0	2	273	0	308	245	264	0	288	239	266	0	286	250	264	0	289	237	0	2	0	0	0	2
600	98	0	96	0	136	0	127	0	0	2	0	2	236	0	283	181	230	0	278	185	227	0	267	186	226	0	265	173	0	2	0	0	0	2
700	62	0	65	0	131	0	114	0	0	2	0	2	202	0	249	144	196	0	262	150	202	0	219	186	201	0	219	184	0	2	0	0	0	2
800	71	0	76	0	146	0	127	0	0	2	0	2	202	0	261	149	194	0	239	133	196	0	217	174	197	0	215	183	0	2	0	0	0	2
900	69	0	72	0	141	0	127	0	0	2	0	2	207	0	249	147	196	0	241	145	194	0	213	179	196	0	210	167	0	2	0	0	0	2
1000	65	0	65	0	118	0	107	0	0	2	0	2	204	0	269	150	198	0	251	144	196	0	224	168	198	0	228	165	0	2	0	0	0	2
1100	65	0	63	0	108	0	99	0	0	2	0	2	209	0	266	136	201	0	256	139	195	0	232	160	197	0	226	167	0	2	0	0	0	2
1200	115	0	106	0	157	0	145	0	0	2	0	2	236	0	301	196	226	0	268	170	217	0	266	149	219	0	259	177	0	2	0	0	0	2
1300	123	0	112	0	167	0	149	0	0	2	0	2	239	0	277	181	230	0	292	190	220	0	263	167	220	0	244	173	0	2	0	0	0	2
1400	125	0	118	0	180	0	160	0	0	2	0	2	243	0	294	191	237	0	291	184	224	0	248	191	225	0	258	182	0	2	0	0	0	2
1500	132	0	122	0	190	0	167	0	0	2	0	2	237	0	279	195	230	0	285	184	224	0	263	180	224	0	248	200	0	2	0	0	0	2
1600	109	0	103	0	152	0	135	0	0	2	0	2	232	0	281	199	225	0	268	167	213	0	242	180	215	0	249	190	0	2	0	0	0	2
1700	105	0	101	0	151	0	132	0	0	2	0	2	224	0	261	180	218	0	255	182	208	0	241	176	210	0	232	183	0	2	0	0	0	2
1800	107	0	97	0	161	0	147	0	0	2	0	2	230	0	268	194	222	0	266	133	213	0	237	185	214	0	231	184	0	2	0	0	0	2
1900	114	0	104	0	166	0	147	0	0	2	0	2	227	0	266	137	224	0	269	183	213	0	241	175	214	0	251	183	0	2	0	0	0	2
2000	113	0	105	0	171	0	150	0	0	2	0	2	235	0	283	194	229	0	288	183	217	0	241	187	218	0	240	188	0	2	0	0	0	2
2100	117	0	106	0	168	0	150	0	0	2	0	2	227	0	266	174	221	0	262	178	215	0	240	184	217	0	246	184	0	2	0	0	0	2
2200	113	0	99	0	160	0	145	0	0	2	0	2	228	0	265	176	226	0	267	174	216	0	245	180	216	0	239	191	0	2	0	0	0	2
2300	110	0	98	0	156	0	139	0	0	2	0	2	222	0	256	128	216	0	267	163	210	0	231	171	212	0	246	187	0	2	0	0	0	2
2400	107	0	96	0	160	0	145	0	0	2	0	2	225	0	260	168	221	0	262	166	213	0	236	191	215	0	260	190	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	159	0	157	0	148	0	150	0	320	2	320	2	-7	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
200	170	0	168	0	159	0	159	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
300	168	0	166	0	157	0	159	0	320	2	320	2	-5	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
400	173	0	171	0	161	0	162	0	320	2	320	2	-7	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
500	171	0	168	0	157	0	157	0	320	2	320	2	-9	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
600	152	0	150	0	137	0	137	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
700	76	0	74	0	87	0	87	0	320	2	320	2	13	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
800	58	0	56	0	63	0	63	0	320	2	320	2	7	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
900	58	0	56	0	60	0	60	0	320	2	320	2	5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1000	119	0	119	0	110	0	110	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1100	170	0	170	0	159	0	157	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1200	222	0	224	0	206	0	204	0	320	2	320	2	-18	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	256	6
1300	234	0	236	0	216	0	215	0	320	2	320	2	-20	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1400	249	0	249	0	231	0	229	0	320	2	320	2	-20	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1500	258	0	258	0	240	0	238	0	320	2	320	2	-18	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1600	267	0	265	0	249	0	249	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1700	252	0	251	0	243	0	243	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1800	240	0	240	0	238	0	238	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1900	238	0	238	0	236	0	236	0	320	2	320	2	0	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2000	240	0	238	0	236	0	238	0	320	2	320	2	0	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2100	238	0	236	0	234	0	234	0	320	2	320	2	0	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2200	227	0	225	0	224	0	225	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2300	224	0	222	0	220	0	220	0	320	2	320	2	0	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	256	6
2400	220	0	216	0	218	0	218	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	105	0	96	0	161	0	146	0	0	2	0	2	229	0	285	190	221	0	273	182	212	0	233	173	214	0	250	190	0	2	0	0	0	2
200	99	0	93	0	148	0	135	0	0	2	0	2	226	0	284	181	220	0	256	168	210	0	242	190	213	0	229	192	0	2	0	0	0	2
300	60	0	64	0	117	0	104	0	0	2	0	2	201	0	245	147	195	0	239	147	205	0	226	189	206	0	225	173	0	2	0	0	0	2
400	66	0	67	0	148	0	124	0	0	2	0	2	203	0	250	131	197	0	235	150	203	0	215	179	204	0	218	192	0	2	0	0	0	2
500	72	0	72	0	162	0	136	0	0	2	0	2	47	0	268	0	202	0	246	160	200	0	212	183	201	0	210	190	0	2	0	0	0	2
600	60	0	65	0	149	0	133	0	0	2	0	2	200	0	238	160	191	0	245	134	191	0	208	177	193	0	204	179	0	2	0	0	0	2
700	66	0	69	0	166	0	146	0	0	2	0	2	196	0	244	133	192	0	239	128	196	0	206	184	198	0	206	187	0	2	0	0	0	2
800	73	0	75	0	178	0	156	0	0	2	0	2	196	0	250	123	194	0	252	149	188	0	201	173	191	0	207	177	0	2	0	0	0	2
900	69	0	80	0	163	0	149	0	0	2	0	2	189	0	245	120	182	0	255	119	185	0	212	163	186	0	201	167	0	2	0	0	0	2
1000	75	0	80	0	138	0	127	0	0	2	0	2	187	0	245	105	179	0	246	94	181	0	207	151	185	0	207	147	0	2	0	0	0	2
1100	68	0	73	0	123	0	114	0	0	2	0	2	182	0	268	113	177	0	246	104	178	0	207	111	182	0	222	137	0	2	0	0	0	2
1200	83	0	85	0	136	0	119	0	0	2	0	2	206	0	256	130	202	0	257	145	194	0	218	162	196	0	218	167	0	2	0	0	0	2
1300	86	0	87	0	156	0	140	0	0	2	0	2	204	0	269	106	196	0	239	113	195	0	234	170	199	0	236	178	0	2	0	0	0	2
1400	95	0	93	0	157	0	137	0	0	2	0	2	212	0	267	140	201	0	257	97	193	0	223	151	195	0	228	167	0	2	0	0	0	2
1500	73	0	70	0	112	0	100	0	0	2	0	2	221	0	268	143	214	0	268	137	206	0	239	171	211	0	247	166	0	2	0	0	0	2
1600	103	0	96	0	141	0	130	0	0	2	0	2	230	0	292	188	221	0	263	168	217	0	243	188	218	0	237	194	0	2	0	0	0	2
1700	90	0	82	0	126	0	113	0	0	2	0	2	229	0	276	182	224	0	274	188	220	0	249	198	221	0	251	187	0	2	0	0	0	2
1800	77	0	71	0	116	0	107	0	0	2	0	2	233	0	269	198	229	0	269	190	222	0	251	205	222	0	244	189	0	2	0	0	0	2
1900	190	0	199	0	245	0	248	0	0	2	0	2	268	0	303	220	259	0	285	206	259	0	272	243	257	0	274	230	0	2	0	0	0	2
2000	185	0	201	0	216	0	234	0	0	2	0	2	274	0	312	238	265	0	301	228	266	0	307	240	264	0	285	245	0	2	0	0	0	2
2100	204	0	216	0	245	0	235	0	0	2	0	2	270	0	298	244	262	0	289	234	262	0	277	247	260	0	285	251	0	2	0	0	0	2
2200	160	0	167	0	199	0	212	0	0	2	0	2	289	0	325	223	279	0	312	195	288	0	319	251	285	0	310	226	0	2	0	0	0	2
2300	162	0	166	0	199	0	213	0	0	2	0	2	287	0	328	226	277	0	314	243	284	0	328	237	280	0	329	241	0	2	0	0	0	2
2400	170	0	172	0	212	0	223	0	0	2	0	2	295	0	329	244	284	0	329	248	289	0	330	243	288	0	328	243	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	216	0	215	0	213	0	213	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
200	215	0	213	0	213	0	213	0	320	2	320	2	2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
300	197	0	195	0	200	0	202	0	320	2	320	2	9	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
400	170	0	166	0	188	0	188	0	320	2	320	2	22	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
500	155	0	153	0	180	0	180	0	320	2	320	2	27	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
600	148	0	146	0	166	0	166	0	320	2	320	2	22	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
700	152	0	150	0	171	0	171	0	320	2	320	2	23	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
800	153	0	150	0	164	0	164	0	320	2	320	2	14	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
900	171	0	170	0	168	0	168	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1000	191	0	189	0	179	0	179	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1100	238	0	238	0	218	0	216	0	320	2	320	2	-22	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1200	267	0	265	0	252	0	249	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1300	287	0	285	0	272	0	270	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1400	290	0	288	0	276	0	276	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1500	306	0	305	0	294	0	290	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1600	299	0	299	0	290	0	288	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1700	297	0	297	0	290	0	290	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1800	297	0	296	0	290	0	292	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1900	312	0	310	0	303	0	301	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2000	305	0	303	0	294	0	294	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2100	292	0	290	0	281	0	281	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2200	278	0	276	0	267	0	267	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2300	267	0	265	0	256	0	256	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2400	265	0	263	0	254	0	256	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION.. TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	200	0	204	0	244	0	255	0	0	2	0	2	293	0	312	243	286	0	311	246	293	0	310	263	289	0	304	252	0	2	0	0	0	2
200	211	0	218	0	262	0	273	0	0	2	0	2	296	0	326	259	287	0	341	242	293	0	332	247	289	0	328	251	0	2	0	0	0	2
300	225	0	232	0	266	0	283	0	0	2	0	2	297	0	335	256	289	0	350	252	291	0	312	263	287	0	303	259	0	2	0	0	0	2
400	217	0	225	0	264	0	278	0	0	2	0	2	296	0	331	251	285	0	324	245	291	0	309	257	287	0	308	253	0	2	0	0	0	2
500	227	0	227	0	275	0	288	0	0	2	0	2	296	0	322	251	288	0	329	228	292	0	313	248	289	0	302	250	0	2	0	0	0	2
600	204	0	216	0	236	0	251	0	0	2	0	2	281	0	325	236	275	0	319	235	278	0	305	237	277	0	306	239	0	2	0	0	0	2
700	213	0	211	0	254	0	261	0	0	2	0	2	284	0	334	243	273	0	317	234	277	0	325	233	275	0	317	229	0	2	0	0	0	2
800	216	0	219	0	265	0	271	0	0	2	0	2	279	0	322	230	271	0	306	228	279	0	315	251	277	0	317	237	0	2	0	0	0	2
900	224	0	232	0	261	0	275	0	0	2	0	2	280	0	318	230	273	0	323	215	276	0	314	243	276	0	306	244	0	2	0	0	0	2
1000	224	0	234	0	263	0	278	0	0	2	0	2	273	0	304	239	268	0	359	238	273	0	310	235	271	0	306	235	0	2	0	0	0	2
1100	310	0	305	0	348	0	365	0	0	2	0	2	270	0	296	235	263	0	288	235	268	0	285	249	266	0	304	236	0	2	0	0	0	2
1200	316	0	324	0	332	0	353	0	0	2	0	2	270	0	311	243	263	0	291	239	268	0	309	250	265	0	302	245	0	2	0	0	0	2
1300	281	0	285	0	315	0	329	0	0	2	0	2	275	0	324	240	268	0	307	229	274	0	301	247	273	0	304	247	0	2	0	0	0	2
1400	289	0	296	0	339	0	358	0	0	2	0	2	274	0	311	241	264	0	306	230	272	0	311	248	270	0	303	245	0	2	0	0	0	2
1500	255	0	256	0	316	0	335	0	0	2	0	2	290	0	329	244	281	0	13	239	284	0	310	251	283	0	338	243	0	2	0	0	0	2
1600	273	0	282	0	306	0	318	0	0	2	0	2	273	0	329	243	264	0	315	230	273	0	319	226	271	0	309	236	0	2	0	0	0	2
1700	255	0	269	0	296	0	321	0	0	2	0	2	287	0	354	231	279	0	318	233	284	0	310	255	281	0	306	241	0	2	0	0	0	2
1800	286	0	298	0	328	0	345	0	0	2	0	2	275	0	304	246	264	0	296	229	269	0	310	230	266	0	290	243	0	2	0	0	0	2
1900	246	0	251	0	296	0	299	0	0	2	0	2	276	0	329	227	269	0	320	226	280	0	312	250	276	0	305	239	0	2	0	0	0	2
2000	235	0	237	0	284	0	292	0	0	2	0	2	279	0	330	242	272	0	318	234	280	0	312	252	276	0	302	247	0	2	0	0	0	2
2100	261	0	260	0	306	0	317	0	0	2	0	2	275	0	313	239	268	0	308	236	280	0	321	226	276	0	304	243	0	2	0	0	0	2
2200	253	0	261	0	288	0	307	0	0	2	0	2	288	0	325	254	279	0	302	249	286	0	312	257	281	0	302	241	0	2	0	0	0	2
2300	231	0	238	0	289	0	308	0	0	2	0	2	292	0	346	250	280	0	326	250	289	0	318	259	284	0	321	248	0	2	0	0	0	2
2400	227	0	242	0	272	0	285	0	0	2	0	2	284	0	327	241	276	0	316	217	283	0	315	217	279	0	303	240	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	260	0	260	0	249	0	249	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
200	243	0	243	0	234	0	234	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
300	225	0	224	0	213	0	213	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
400	213	0	211	0	200	0	200	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
500	191	0	191	0	180	0	180	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
600	170	0	168	0	159	0	159	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
700	153	0	152	0	143	0	143	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
800	143	0	143	0	134	0	134	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
900	141	0	141	0	132	0	132	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1000	135	0	134	0	125	0	125	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1100	126	0	125	0	116	0	116	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1200	114	0	114	0	105	0	103	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1300	105	0	105	0	94	0	94	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	256	6
1400	98	0	96	0	87	0	85	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	256	0
1500	74	0	72	0	63	0	60	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1600	60	0	60	0	51	0	49	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1700	60	0	60	0	49	0	49	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1800	53	0	51	0	42	0	42	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1900	42	0	40	0	31	0	31	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2000	38	0	36	0	29	0	27	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2100	36	0	35	0	26	0	26	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2200	35	0	33	0	22	0	22	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2300	36	0	35	0	24	0	22	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2400	35	0	35	0	24	0	24	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0

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

REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	227	0	242	0	266	0	279	0	0	2	0	2	284	0	321	239	277	0	321	243	282	0	312	229	277	0	324	232	0	2	0	0	0	2
200	239	0	241	0	281	0	276	0	0	2	0	2	286	0	326	239	276	0	301	227	284	0	313	226	279	0	302	240	0	2	0	0	0	2
300	242	0	236	0	280	0	295	0	0	2	0	2	292	0	327	218	281	0	324	233	292	0	314	255	286	0	327	247	0	2	0	0	0	2
400	217	0	220	0	263	0	275	0	0	2	0	2	288	0	329	244	281	0	335	238	282	0	312	230	280	0	304	251	0	2	0	0	0	2
500	204	0	211	0	241	0	259	0	0	2	0	2	284	0	319	233	277	0	307	232	283	0	313	229	281	0	314	233	0	2	0	0	0	2
600	211	0	214	0	250	0	265	0	0	2	0	2	293	0	323	235	284	0	315	250	294	0	324	257	286	0	304	231	0	2	0	0	0	2
700	203	0	209	0	250	0	259	0	0	2	0	2	289	0	329	250	281	0	316	237	282	0	312	224	282	0	304	250	0	2	0	0	0	2
800	182	0	186	0	229	0	241	0	0	2	0	2	282	0	330	242	275	0	337	227	283	0	320	242	281	0	312	241	0	2	0	0	0	2
900	193	0	199	0	226	0	234	0	0	2	0	2	280	0	316	243	274	0	320	244	277	0	311	226	277	0	305	243	0	2	0	0	0	2
1000	189	0	179	0	229	0	240	0	0	2	0	2	280	0	312	223	272	0	314	217	273	0	311	227	275	0	302	244	0	2	0	0	0	2
1100	178	0	188	0	212	0	225	0	0	2	0	2	280	0	326	244	274	0	355	233	282	0	311	251	281	0	319	241	0	2	0	0	0	2
1200	184	0	191	0	223	0	233	0	0	2	0	2	272	0	316	231	264	0	297	233	271	0	310	224	271	0	308	232	0	2	0	0	0	2
1300	233	0	250	0	260	0	275	0	0	2	0	2	271	0	300	252	263	0	294	230	264	0	283	226	265	0	289	243	0	2	0	0	0	2
1400	207	0	224	0	241	0	254	0	0	2	0	2	272	0	315	237	264	0	308	228	265	0	308	251	265	0	297	244	0	2	0	0	0	2
1500	181	0	189	0	214	0	230	0	0	2	0	2	279	0	331	245	270	0	330	237	279	0	355	225	280	0	325	218	0	2	0	0	0	2
1600	188	0	192	0	215	0	226	0	0	2	0	2	278	0	315	239	268	0	302	235	271	0	301	227	271	0	314	242	0	2	0	0	0	2
1700	170	0	175	0	204	0	219	0	0	2	0	2	288	0	344	236	280	0	346	239	282	0	317	234	280	0	317	246	0	2	0	0	0	2
1800	173	0	180	0	209	0	223	0	0	2	0	2	288	0	339	230	279	0	319	222	285	0	314	222	283	0	307	252	0	2	0	0	0	2
1900	186	0	178	0	225	0	240	0	0	2	0	2	291	0	335	255	282	0	2	190	288	0	310	229	287	0	313	238	0	2	0	0	0	2
2000	168	0	171	0	198	0	203	0	0	2	0	2	287	0	346	234	279	0	319	219	282	0	310	225	280	0	311	235	0	2	0	0	0	2
2100	179	0	186	0	214	0	223	0	0	2	0	2	297	0	325	258	287	0	314	251	293	0	313	231	289	0	328	232	0	2	0	0	0	2
2200	174	0	177	0	210	0	219	0	0	2	0	2	291	0	327	227	284	0	330	233	286	0	315	228	285	0	321	239	0	2	0	0	0	2
2300	167	0	167	0	197	0	210	0	0	2	0	2	289	0	331	236	281	0	318	235	286	0	308	226	284	0	307	240	0	2	0	0	0	2
2400	185	0	191	0	218	0	225	0	0	2	0	2	304	0	345	279	294	0	321	264	300	0	322	262	295	0	319	263	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	33	0	31	0	22	0	20	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
200	26	0	24	0	15	0	15	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
300	24	0	22	0	11	0	9	0	320	2	320	2	-11	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
400	24	0	22	0	13	0	13	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
500	22	0	22	0	11	0	11	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	6
600	24	0	22	0	11	0	11	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
700	24	0	22	0	13	0	13	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
800	27	0	27	0	20	0	18	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
900	27	0	26	0	18	0	17	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1000	27	0	26	0	17	0	15	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1100	36	0	35	0	26	0	24	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1200	38	0	36	0	27	0	26	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1300	35	0	35	0	26	0	26	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1400	44	0	44	0	35	0	33	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1500	54	0	53	0	44	0	45	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	6
1600	60	0	58	0	49	0	49	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1700	63	0	62	0	53	0	53	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1800	71	0	69	0	60	0	60	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1900	72	0	71	0	63	0	63	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2000	69	0	69	0	60	0	60	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2100	69	0	67	0	58	0	58	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2200	67	0	65	0	56	0	56	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2300	71	0	69	0	60	0	60	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2400	72	0	71	0	62	0	62	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	162	0	164	0	203	0	208	0	0	2	0	2	301	0	335	260	292	0	329	252	300	0	311	271	295	0	311	273	0	2	0	0	0	2
200	161	0	165	0	197	0	202	0	0	2	0	2	306	0	335	267	298	0	342	273	302	0	321	278	297	0	314	274	0	2	0	0	0	2
300	175	0	182	0	203	0	212	0	0	2	0	2	303	0	323	270	293	0	318	265	300	0	310	277	295	0	346	276	0	2	0	0	0	2
400	144	0	145	0	178	0	184	0	0	2	0	2	305	0	341	280	296	0	330	267	303	0	321	286	298	0	340	282	0	2	0	0	0	2
500	143	0	152	0	183	0	193	0	0	2	0	2	302	0	7	270	291	0	330	259	296	0	312	247	291	0	311	258	0	2	0	0	0	2
600	145	0	149	0	183	0	193	0	0	2	0	2	292	0	340	249	285	0	329	240	289	0	344	251	286	0	307	241	0	2	0	0	0	2
700	158	0	159	0	183	0	194	0	0	2	0	2	295	0	340	249	285	0	317	216	288	0	311	239	285	0	310	250	0	2	0	0	0	2
800	163	0	163	0	194	0	205	0	0	2	0	2	285	0	328	248	279	0	5	236	278	0	308	226	278	0	329	239	0	2	0	0	0	2
900	138	0	145	0	169	0	177	0	0	2	0	2	285	0	329	241	277	0	314	234	280	0	310	226	280	0	303	233	0	2	0	0	0	2
1000	144	0	149	0	181	0	191	0	0	2	0	2	301	0	326	266	292	0	329	250	298	0	312	226	293	0	308	242	0	2	0	0	0	2
1100	148	0	152	0	166	0	180	0	0	2	0	2	295	0	332	259	286	0	308	248	290	0	312	250	288	0	309	257	0	2	0	0	0	2
1200	127	0	133	0	147	0	155	0	0	2	0	2	294	0	324	250	285	0	324	248	291	0	323	251	288	0	307	248	0	2	0	0	0	2
1300	107	0	117	0	140	0	147	0	0	2	0	2	300	0	343	240	290	0	329	240	295	0	336	240	292	0	334	235	0	2	0	0	0	2
1400	106	0	115	0	135	0	144	0	0	2	0	2	300	0	333	260	292	0	329	262	293	0	320	256	292	0	317	257	0	2	0	0	0	2
1500	99	0	108	0	116	0	125	0	0	2	0	2	281	0	322	227	273	0	337	224	280	0	329	238	278	0	317	243	0	2	0	0	0	2
1600	98	0	102	0	117	0	123	0	0	2	0	2	297	0	334	248	290	0	359	252	294	0	311	259	292	0	317	265	0	2	0	0	0	2
1700	106	0	113	0	136	0	135	0	0	2	0	2	308	0	333	268	300	0	319	261	306	0	319	290	303	0	320	290	0	2	0	0	0	2
1800	79	0	86	0	94	0	100	0	0	2	0	2	296	0	339	232	291	0	346	194	295	0	341	247	294	0	344	251	0	2	0	0	0	2
1900	60	0	66	0	77	0	79	0	0	2	0	2	311	0	341	268	300	0	330	261	304	0	339	282	303	0	329	285	0	2	0	0	0	2
2000	30	0	35	0	58	0	61	0	0	2	0	2	308	0	346	220	303	0	358	222	305	0	358	268	306	0	7	273	0	2	0	0	0	2
2100	26	0	34	0	18	0	19	0	0	2	0	2	160	0	197	122	156	0	194	122	98	3	178	4	237	3	358	94	0	2	0	0	0	2
2200	39	0	49	0	83	0	78	0	0	2	0	2	176	0	250	113	174	0	220	123	213	0	230	162	215	0	232	184	0	2	0	0	0	2
2300	59	0	64	0	97	0	101	0	0	2	0	2	182	0	218	148	179	0	212	139	220	0	231	212	222	0	228	205	0	2	0	0	0	2
2400	83	0	87	0	91	0	81	0	0	2	0	2	194	0	259	165	186	0	207	154	212	0	218	205	213	0	223	205	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	72	0	71	0	60	0	60	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
200	74	0	72	0	62	0	62	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
300	72	0	71	0	62	0	62	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
400	71	0	69	0	60	0	60	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
500	72	0	71	0	62	0	62	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	6
600	74	0	72	0	63	0	63	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
700	74	0	72	0	63	0	63	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
800	67	0	67	0	58	0	58	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
900	65	0	63	0	54	0	54	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1000	67	0	65	0	56	0	56	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1100	71	0	71	0	60	0	58	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1200	76	0	74	0	65	0	63	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1300	81	0	80	0	71	0	69	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1400	83	0	83	0	74	0	72	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1500	89	0	89	0	80	0	78	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	256	6
1600	90	0	89	0	80	0	80	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1700	90	0	89	0	81	0	80	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1800	92	0	90	0	83	0	83	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1900	90	0	89	0	81	0	83	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2000	72	0	90	0	83	0	83	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2100	63	0	63	0	76	0	76	0	320	2	320	2	13	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2200	27	0	26	0	56	0	56	0	320	2	320	2	31	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
2300	-8	0	-9	0	67	0	67	0	320	2	320	2	79	0	72	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	-5	0	-17	0	72	0	72	0	320	2	320	2	92	0	81	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	77	0	81	0	141	0	137	0	0	2	0	2	194	0	238	0	195	0	223	157	218	0	222	215	219	0	225	216	0	2	0	0	0	2
200	76	0	82	0	140	0	128	0	0	2	0	2	173	0	227	141	169	0	203	138	214	0	217	212	209	0	214	206	0	2	0	0	0	2
300	71	0	77	0	139	0	118	0	0	2	0	2	182	0	257	145	178	0	221	138	213	0	222	198	207	0	211	200	0	2	0	0	0	2
400	68	0	72	0	72	0	75	0	0	2	0	2	168	0	264	145	162	0	188	138	159	0	167	154	164	0	171	159	0	2	0	0	0	2
500	60	0	65	0	100	0	104	0	0	2	0	2	167	0	202	127	162	0	184	133	159	0	167	150	163	0	171	156	0	2	0	0	0	2
600	61	0	65	0	152	0	154	0	0	2	0	2	165	0	211	137	160	0	190	128	149	0	177	133	159	0	162	154	0	2	0	0	0	2
700	74	0	76	0	159	0	162	0	0	2	0	2	161	0	213	119	157	0	221	117	141	0	143	135	148	0	150	142	0	2	0	0	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1500	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	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
2000	0	2	0	2	90	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	127	0	123	132	0	2	0	0	0	2	0	0	0	2
2100	0	2	0	2	73	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	141	0	133	147	0	2	0	0	0	2	0	0	0	2
2200	0	2	0	2	65	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	177	0	170	185	0	2	0	0	0	2	0	0	0	2
2300	0	2	0	2	61	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	178	0	174	186	0	2	0	0	0	2	0	0	0	2
2400	0	2	0	2	67	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	177	0	169	185	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	-33	0	-35	0	69	0	69	0	320	2	320	2	106	0	97	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
200	-51	0	-53	0	67	0	69	0	320	2	320	2	121	0	113	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
300	-45	0	-47	0	65	0	67	0	320	2	320	2	113	0	106	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
400	-40	0	-42	0	65	0	69	0	320	2	320	2	112	0	103	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	6
500	-40	0	-42	0	60	0	60	0	320	2	320	2	103	0	95	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
600	-27	0	-29	0	58	0	58	0	320	2	320	2	88	0	81	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
700	-8	0	-9	0	47	0	47	0	320	2	320	2	59	0	54	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
800	-38	0	0	2	0	2	0	2	0	2	0	2	69	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	6
900	-38	0	0	2	0	2	0	2	0	2	0	2	48	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	-24	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	20	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	64	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	81	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	98	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	88	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	81	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	101	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	91	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	115	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	81	0	0	2	0	2	0	2	0	2	0	2	12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	44	0	0	2	0	2	0	2	0	2	0	2	21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	20	0	0	2	0	2	0	2	0	2	0	2	37	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	40	0	0	2	0	2	0	2	0	2	0	2	29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	44	0	0	2	0	2	0	2	0	2	0	2	30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	0	2	0	2	71	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	182	0	179	193	0	2	0	0	0	2	0	0	0	2
200	0	2	0	2	73	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	183	0	175	190	0	2	0	0	0	2	0	0	0	2
300	0	2	0	2	111	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	203	0	196	208	0	2	0	0	0	2	0	0	0	2
400	0	2	0	2	144	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	205	0	195	215	0	2	0	0	0	2	0	0	0	2
500	0	2	0	2	167	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	223	0	210	228	0	2	0	0	0	2	0	0	0	2
600	0	2	0	2	132	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	232	0	227	240	0	2	0	0	0	2	0	0	0	2
700	0	2	0	2	138	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	238	0	218	249	0	2	0	0	0	2	0	0	0	2
800	0	2	0	2	148	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	233	0	213	246	0	2	0	0	0	2	0	0	0	2
900	0	2	0	2	165	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	219	0	202	242	0	2	0	0	0	2	0	0	0	2
1000	0	2	0	2	150	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	233	0	212	248	0	2	0	0	0	2	0	0	0	2
1100	0	2	0	2	190	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	236	0	215	251	0	2	0	0	0	2	0	0	0	2
1200	0	2	0	2	175	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	240	0	222	262	0	2	0	0	0	2	0	0	0	2
1300	0	2	0	2	169	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	240	0	223	259	0	2	0	0	0	2	0	0	0	2
1400	0	2	0	2	152	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	230	0	212	254	0	2	0	0	0	2	0	0	0	2
1500	0	2	0	2	167	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	239	0	224	253	0	2	0	0	0	2	0	0	0	2
1600	0	2	0	2	165	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	236	0	222	249	0	2	0	0	0	2	0	0	0	2
1700	0	2	0	2	175	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	223	0	203	245	0	2	0	0	0	2	0	0	0	2
1800	0	2	0	2	157	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	221	0	202	239	0	2	0	0	0	2	0	0	0	2
1900	0	2	0	2	182	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	253	0	227	271	0	2	0	0	0	2	0	0	0	2
2000	0	2	0	2	198	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	268	0	240	290	0	2	0	0	0	2	0	0	0	2
2100	0	2	0	2	157	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	267	0	245	281	0	2	0	0	0	2	0	0	0	2
2200	0	2	0	2	175	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	282	0	262	298	0	2	0	0	0	2	0	0	0	2
2300	0	2	0	2	173	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	285	0	266	299	0	2	0	0	0	2	0	0	0	2
2400	0	2	0	2	150	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	295	0	284	307	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	37	0	0	2	0	2	0	2	0	2	0	2	41	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	33	0	0	2	0	2	0	2	0	2	0	2	44	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	10	0	0	2	0	2	0	2	0	2	0	2	46	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	44	0	0	2	0	2	0	2	0	2	0	2	49	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	23	0	0	2	0	2	0	2	0	2	0	2	75	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	30	0	0	2	0	2	0	2	0	2	0	2	87	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	40	0	0	2	0	2	0	2	0	2	0	2	66	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	81	0	0	2	0	2	0	2	0	2	0	2	27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	84	0	0	2	0	2	0	2	0	2	0	2	30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	115	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	142	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	156	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	166	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	156	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	186	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	173	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	200	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	207	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	180	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	176	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	183	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	169	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	166	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	159	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	0	2	0	2	150	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	302	0	285	320	0	2	0	0	0	2	0	0	0	2
200	0	2	0	2	136	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	298	0	277	311	0	2	0	0	0	2	0	0	0	2
300	0	2	0	2	148	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	309	0	292	326	0	2	0	0	0	2	0	0	0	2
400	0	2	0	2	161	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	300	0	287	314	0	2	0	0	0	2	0	0	0	2
500	0	2	0	2	159	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	296	0	283	309	0	2	0	0	0	2	0	0	0	2
600	0	2	0	2	180	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	293	0	280	308	0	2	0	0	0	2	0	0	0	2
700	0	2	0	2	188	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	290	0	278	305	0	2	0	0	0	2	0	0	0	2
800	0	2	0	2	207	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	294	0	278	307	0	2	0	0	0	2	0	0	0	2
900	0	2	0	2	194	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	298	0	286	310	0	2	0	0	0	2	0	0	0	2
1000	0	2	0	2	192	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	303	0	287	316	0	2	0	0	0	2	0	0	0	2
1100	0	2	0	2	173	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	287	0	272	307	0	2	0	0	0	2	0	0	0	2
1200	0	2	0	2	152	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	285	0	271	313	0	2	0	0	0	2	0	0	0	2
1300	0	2	0	2	157	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	299	0	286	310	0	2	0	0	0	2	0	0	0	2
1400	0	2	0	2	142	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	301	0	286	311	0	2	0	0	0	2	0	0	0	2
1500	0	2	0	2	109	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	287	0	264	310	0	2	0	0	0	2	0	0	0	2
1600	0	2	0	2	121	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	304	0	286	313	0	2	0	0	0	2	0	0	0	2
1700	0	2	0	2	127	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	305	0	290	316	0	2	0	0	0	2	0	0	0	2
1800	0	2	0	2	102	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	292	0	263	305	0	2	0	0	0	2	0	0	0	2
1900	0	2	0	2	138	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	311	0	299	326	0	2	0	0	0	2	0	0	0	2
2000	0	2	0	2	100	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	284	0	262	298	0	2	0	0	0	2	0	0	0	2
2100	0	2	0	2	121	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	273	0	256	299	0	2	0	0	0	2	0	0	0	2
2200	0	2	0	2	88	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	273	0	258	295	0	2	0	0	0	2	0	0	0	2
2300	0	2	0	2	65	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	273	0	247	299	0	2	0	0	0	2	0	0	0	2
2400	0	2	0	2	73	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	219	0	205	232	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	135	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	173	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	166	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	170	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	180	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	183	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	180	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	146	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	112	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	135	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	129	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	125	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	149	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	105	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	112	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	105	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	129	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	125	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	95	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	95	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	108	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	101	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	91	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	108	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	0	2	0	2	75	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	224	0	202	242	0	2	0	0	0	2	0	0	0	2
200	0	2	0	2	42	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	221	0	194	254	0	2	0	0	0	2	0	0	0	2
300	0	2	0	2	111	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	235	0	214	256	0	2	0	0	0	2	0	0	0	2
400	0	2	0	2	102	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	230	0	217	246	0	2	0	0	0	2	0	0	0	2
500	0	2	0	2	105	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	227	0	215	239	0	2	0	0	0	2	0	0	0	2
600	0	2	0	2	136	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	255	0	244	265	0	2	0	0	0	2	0	0	0	2
700	0	2	0	2	142	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	239	0	226	256	0	2	0	0	0	2	0	0	0	2
800	0	2	0	2	132	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	231	0	220	246	0	2	0	0	0	2	0	0	0	2
900	0	2	0	2	152	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	227	0	217	242	0	2	0	0	0	2	0	0	0	2
1000	0	2	0	2	163	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	228	0	212	240	0	2	0	0	0	2	0	0	0	2
1100	0	2	0	2	111	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	210	0	179	230	0	2	0	0	0	2	0	0	0	2
1200	0	2	0	2	69	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	195	0	167	230	0	2	0	0	0	2	0	0	0	2
1300	0	2	0	2	77	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	185	0	158	215	0	2	0	0	0	2	0	0	0	2
1400	0	2	0	2	84	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	214	0	179	255	0	2	0	0	0	2	0	0	0	2
1500	0	2	0	2	84	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	197	0	167	227	0	2	0	0	0	2	0	0	0	2
1600	0	2	0	2	109	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	197	0	178	217	0	2	0	0	0	2	0	0	0	2
1700	0	2	0	2	102	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	195	0	173	223	0	2	0	0	0	2	0	0	0	2
1800	0	2	0	2	148	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	197	0	183	211	0	2	0	0	0	2	0	0	0	2
1900	0	2	0	2	144	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	217	0	208	226	0	2	0	0	0	2	0	0	0	2
2000	0	2	0	2	144	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	186	0	181	191	0	2	0	0	0	2	0	0	0	2
2100	0	2	0	2	182	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	182	0	173	191	0	2	0	0	0	2	0	0	0	2
2200	0	2	0	2	209	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	186	0	173	200	0	2	0	0	0	2	0	0	0	2
2300	0	2	0	2	194	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	182	0	172	192	0	2	0	0	0	2	0	0	0	2
2400	0	2	0	2	153	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	213	0	199	230	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	44	0	0	2	0	2	0	2	0	2	0	2	8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	54	0	0	2	0	2	0	2	0	2	0	2	14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	74	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	34	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	61	0	0	2	0	2	0	2	0	2	0	2	9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	64	0	0	2	0	2	0	2	0	2	0	2	22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	20	0	0	2	0	2	0	2	0	2	0	2	16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	37	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	33	0	0	2	0	2	0	2	0	2	0	2	18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	6	0	0	2	0	2	0	2	0	2	0	2	26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	40	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	78	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	105	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	112	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	135	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	98	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	95	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	61	0	0	2	0	2	0	2	0	2	0	2	13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	37	0	0	2	0	2	0	2	0	2	0	2	27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	44	0	0	2	0	2	0	2	0	2	0	2	46	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	50	0	0	2	0	2	0	2	0	2	0	2	34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	44	0	0	2	0	2	0	2	0	2	0	2	25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	34	0	0	2	0	2	0	2	0	2	0	2	12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	0	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	0	2	0	2	142	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	209	0	190	228	0	2	0	0	0	2	0	0	0	2
200	0	2	0	2	176	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	201	0	184	224	0	2	0	0	0	2	0	0	0	2
300	0	2	0	2	161	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	208	0	185	231	0	2	0	0	0	2	0	0	0	2
400	0	2	0	2	148	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	197	0	173	224	0	2	0	0	0	2	0	0	0	2
500	0	2	0	2	178	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	197	0	173	228	0	2	0	0	0	2	0	0	0	2
600	0	2	0	2	188	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	200	0	176	221	0	2	0	0	0	2	0	0	0	2
700	0	2	0	2	192	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	195	0	175	233	0	2	0	0	0	2	0	0	0	2
800	0	2	0	2	192	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	209	0	183	240	0	2	0	0	0	2	0	0	0	2
900	103	0	96	0	148	0	133	0	0	2	0	2	235	0	266	191	230	0	272	182	224	0	272	199	224	0	255	199	0	2	0	0	0	2
1000	114	0	107	0	172	0	156	0	0	2	0	2	238	0	315	197	232	0	291	198	225	0	248	196	225	0	269	200	0	2	0	0	0	2
1100	180	0	164	0	236	0	219	0	0	2	0	2	249	0	279	194	245	0	299	200	236	0	273	204	237	0	254	211	0	2	0	0	0	2
1200	156	0	138	0	211	0	188	0	0	2	0	2	247	0	277	206	239	0	286	202	238	0	263	211	235	0	252	213	0	2	0	0	0	2
1300	115	0	110	0	159	0	138	0	0	2	0	2	245	0	282	204	239	0	278	190	233	0	262	201	233	0	252	214	0	2	0	0	0	2
1400	92	0	88	0	125	0	113	0	0	2	0	2	242	0	285	200	237	0	297	195	231	0	252	185	232	0	257	207	0	2	0	0	0	2
1500	99	0	94	0	125	0	117	0	0	2	0	2	247	0	271	210	242	0	285	190	237	0	276	210	235	0	257	195	0	2	0	0	0	2
1600	58	0	58	0	86	0	79	0	0	2	0	2	220	0	266	169	216	0	263	162	206	0	246	174	210	0	261	183	0	2	0	0	0	2
1700	42	0	48	0	79	0	75	0	0	2	0	2	204	0	269	109	201	0	262	139	195	0	225	152	195	0	222	171	0	2	0	0	0	2
1800	45	0	53	0	100	0	104	0	0	2	0	2	160	0	200	119	154	0	189	122	174	0	184	164	176	0	184	166	0	2	0	0	0	2
1900	60	0	68	0	147	0	152	0	0	2	0	2	149	0	182	108	146	0	182	112	164	0	169	156	167	0	173	160	0	2	0	0	0	2
2000	70	0	74	0	159	0	143	0	0	2	0	2	190	0	238	133	185	0	259	129	184	0	202	165	188	0	206	173	0	2	0	0	0	2
2100	89	0	91	0	168	0	148	0	0	2	0	2	201	0	266	111	198	0	256	132	195	0	215	150	197	0	228	165	0	2	0	0	0	2
2200	103	0	103	0	177	0	160	0	0	2	0	2	200	0	250	91	199	0	258	95	191	0	223	158	194	0	222	149	0	2	0	0	0	2
2300	110	0	104	0	191	0	172	0	0	2	0	2	212	0	251	113	204	0	268	114	194	0	220	159	197	0	222	170	0	2	0	0	0	2
2400	122	0	114	0	204	0	178	0	0	2	0	2	208	0	266	92	201	0	257	125	192	0	220	149	197	0	219	166	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	115	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	105	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	142	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	159	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	169	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	193	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	133	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	190	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	204	0	202	0	198	0	197	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1000	229	0	231	0	216	0	215	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1100	234	0	236	0	227	0	224	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1200	243	0	245	0	233	0	229	0	320	2	320	2	-13	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1300	251	0	252	0	238	0	236	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	6
1400	263	0	263	0	252	0	249	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1500	285	0	287	0	274	0	272	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1600	297	0	296	0	285	0	285	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1700	303	0	303	0	296	0	296	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1800	281	0	279	0	296	0	296	0	320	2	320	2	16	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1900	279	0	278	0	303	0	303	0	320	2	320	2	27	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2000	294	0	292	0	303	0	303	0	320	2	320	2	11	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2100	315	0	314	0	314	0	314	0	320	2	320	2	0	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2200	312	0	310	0	306	0	306	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2300	322	0	315	0	314	0	314	0	320	2	320	2	2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2400	331	0	329	0	327	0	325	0	320	2	320	2	-2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: . TEMPERATURE .1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	113	0	113	0	207	0	181	0	0	2	0	2	204	0	266	126	200	0	267	139	194	0	225	156	197	0	238	153	0	2	0	0	0	2
200	114	0	111	0	207	0	188	0	0	2	0	2	196	0	263	94	194	0	268	93	189	0	232	157	192	0	238	162	0	2	0	0	0	2
300	137	0	133	0	249	0	223	0	0	2	0	2	201	0	267	101	196	0	246	122	188	0	213	160	190	0	221	144	0	2	0	0	0	2
400	137	0	138	0	251	0	223	0	0	2	0	2	197	0	267	108	192	0	249	143	185	0	226	156	187	0	216	146	0	2	0	0	0	2
500	125	0	128	0	234	0	208	0	0	2	0	2	193	0	256	93	192	0	252	115	186	0	215	153	189	0	219	155	0	2	0	0	0	2
600	128	0	130	0	215	0	197	0	0	2	0	2	201	0	263	121	194	0	262	127	190	0	229	139	191	0	246	141	0	2	0	0	0	2
700	133	0	118	0	225	0	198	0	0	2	0	2	205	0	267	97	200	0	267	115	191	0	227	146	195	0	223	161	0	2	0	0	0	2
800	182	0	170	0	266	0	233	0	0	2	0	2	216	0	262	159	210	0	249	138	199	0	223	161	201	0	228	163	0	2	0	0	0	2
900	146	0	136	0	228	0	200	0	0	2	0	2	210	0	269	115	207	0	261	157	196	0	219	158	200	0	229	168	0	2	0	0	0	2
1000	154	0	148	0	230	0	199	0	0	2	0	2	217	0	269	117	210	0	269	137	201	0	241	171	203	0	227	182	0	2	0	0	0	2
1100	164	0	150	0	255	0	226	0	0	2	0	2	219	0	266	112	218	0	266	124	207	0	239	179	210	0	240	177	0	2	0	0	0	2
1200	178	0	159	0	253	0	217	0	0	2	0	2	233	0	281	180	224	0	269	158	214	0	250	175	215	0	250	184	0	2	0	0	0	2
1300	181	0	165	0	244	0	218	0	0	2	0	2	225	0	267	191	218	0	263	150	211	0	253	181	212	0	243	175	0	2	0	0	0	2
1400	176	0	162	0	252	0	227	0	0	2	0	2	231	0	279	190	228	0	282	194	214	0	243	185	217	0	248	187	0	2	0	0	0	2
1500	156	0	144	0	227	0	206	0	0	2	0	2	234	0	281	180	227	0	269	169	217	0	249	169	220	0	240	187	0	2	0	0	0	2
1600	148	0	132	0	233	0	211	0	0	2	0	2	235	0	283	195	228	0	263	171	226	0	270	199	226	0	255	200	0	2	0	0	0	2
1700	156	0	135	0	227	0	209	0	0	2	0	2	237	0	283	193	235	0	305	188	226	0	254	184	226	0	252	198	0	2	0	0	0	2
1800	124	0	112	0	196	0	177	0	0	2	0	2	236	0	271	193	231	0	262	181	224	0	240	194	225	0	243	196	0	2	0	0	0	2
1900	170	0	177	0	251	0	252	0	0	2	0	2	269	0	302	220	258	0	295	219	259	0	280	236	258	0	278	235	0	2	0	0	0	2
2000	376	0	396	0	426	0	459	0	0	2	0	2	274	0	302	247	263	0	281	237	266	0	280	254	263	0	278	254	0	2	0	0	0	2
2100	304	0	314	0	387	0	391	0	0	2	0	2	270	0	298	235	261	0	290	180	258	0	272	230	257	0	275	226	0	2	0	0	0	2
2200	323	0	332	0	379	0	389	0	0	2	0	2	269	0	290	237	260	0	286	228	261	0	288	240	259	0	279	238	0	2	0	0	0	2
2300	344	0	360	0	405	0	420	0	0	2	0	2	270	0	293	231	261	0	285	229	261	0	270	229	260	0	278	244	0	2	0	0	0	2
2400	309	0	320	0	351	0	367	0	0	2	0	2	276	0	311	249	265	0	295	217	269	0	285	245	267	0	290	238	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	336	0	336	0	334	0	334	0	320	2	320	2	2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
200	338	0	336	0	336	0	336	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
300	338	0	338	0	336	0	336	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
400	354	0	352	0	352	0	351	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
500	358	0	356	0	352	0	352	0	320	2	320	2	2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
600	370	0	369	0	367	0	367	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
700	369	0	367	0	370	0	369	0	320	2	320	2	4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
800	381	0	379	0	374	0	374	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
900	379	0	378	0	372	0	372	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1000	385	0	388	0	387	0	379	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1100	397	0	397	0	392	0	390	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1200	397	0	397	0	390	0	388	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1300	394	0	392	0	385	0	385	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1400	394	0	397	0	394	0	388	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	6
1500	392	0	390	0	385	0	385	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1600	392	0	392	0	387	0	387	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1700	396	0	396	0	394	0	392	0	320	2	320	2	-2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1800	388	0	387	0	385	0	385	0	320	2	320	2	0	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1900	365	0	363	0	363	0	363	0	320	2	320	2	0	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	6
2000	338	0	336	0	329	0	329	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2100	274	0	272	0	263	0	261	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2200	236	0	234	0	225	0	224	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2300	213	0	211	0	200	0	178	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2400	216	0	215	0	204	0	204	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	221	0	235	0	263	0	269	0	0	2	0	2	277	0	309	225	269	0	304	227	278	0	318	253	276	0	310	246	0	2	0	0	0	2
200	178	0	191	0	238	0	236	0	0	2	0	2	306	0	337	265	297	0	330	257	305	0	322	288	302	0	318	284	0	2	0	0	0	2
300	258	0	266	0	366	0	382	0	0	2	0	2	328	0	8	280	320	0	358	279	329	0	349	319	324	0	346	312	0	2	0	0	0	2
400	250	0	250	0	365	0	378	0	0	2	0	2	329	0	358	283	318	0	356	269	328	0	340	310	323	0	352	305	0	2	0	0	0	2
500	215	0	229	0	298	0	303	0	0	2	0	2	334	0	10	279	324	0	357	272	329	0	342	307	325	0	351	300	0	2	0	0	0	2
600	201	0	209	0	286	0	294	0	0	2	0	2	333	0	357	281	323	0	10	288	330	0	353	306	327	0	359	302	0	2	0	0	0	2
700	185	0	191	0	259	0	263	0	0	2	0	2	337	0	70	293	325	0	6	280	331	0	351	309	330	0	353	313	0	2	0	0	0	2
800	192	0	199	0	266	0	271	0	0	2	0	2	332	0	102	278	320	0	358	273	328	0	353	305	325	0	347	294	0	2	0	0	0	2
900	156	0	165	0	222	0	227	0	0	2	0	2	330	0	25	284	319	0	354	275	326	0	356	301	324	0	0	299	0	2	0	0	0	2
1000	153	0	166	0	216	0	224	0	0	2	0	2	335	0	48	292	326	0	13	270	327	0	340	304	325	0	11	298	0	2	0	0	0	2
1100	145	0	151	0	189	0	194	0	0	2	0	2	327	0	14	279	314	0	348	251	323	0	354	279	321	0	343	280	0	2	0	0	0	2
1200	151	0	160	0	200	0	203	0	0	2	0	2	343	0	58	283	334	0	5	280	335	0	356	300	334	0	2	312	0	2	0	0	0	2
1300	185	0	198	0	235	0	235	0	0	2	0	2	317	0	351	266	308	0	347	251	316	0	328	303	313	0	323	302	0	2	0	0	0	2
1400	144	0	150	0	194	0	199	0	0	2	0	2	318	0	10	282	313	0	17	281	320	0	355	297	317	0	339	296	0	2	0	0	0	2
1500	171	0	171	0	214	0	212	0	0	2	0	2	312	0	334	278	303	0	328	278	308	0	323	294	305	0	320	290	0	2	0	0	0	2
1600	138	0	144	0	190	0	191	0	0	2	0	2	321	0	14	277	313	0	6	270	320	0	347	291	318	0	353	292	0	2	0	0	0	2
1700	131	0	143	0	190	0	194	0	0	2	0	2	323	0	20	280	313	0	355	263	322	0	357	288	320	0	359	264	0	2	0	0	0	2
1800	130	0	142	0	176	0	182	0	0	2	0	2	329	0	89	270	318	0	359	259	321	0	341	284	319	0	345	292	0	2	0	0	0	2
1900	141	0	149	0	185	0	187	0	0	2	0	2	325	0	359	273	316	0	353	253	323	0	345	302	320	0	353	289	0	2	0	0	0	2
2000	138	0	149	0	186	0	193	0	0	2	0	2	339	0	27	284	328	0	10	274	330	0	350	281	328	0	349	306	0	2	0	0	0	2
2100	142	0	150	0	190	0	196	0	0	2	0	2	339	0	73	298	327	0	20	273	332	0	358	306	332	0	358	308	0	2	0	0	0	2
2200	141	0	153	0	196	0	201	0	0	2	0	2	338	0	33	301	326	0	359	291	331	0	356	305	330	0	352	308	0	2	0	0	0	2
2300	112	0	112	0	150	0	149	0	0	2	0	2	347	0	33	291	340	0	33	290	343	0	21	294	343	0	41	301	0	2	0	0	0	2
2400	96	0	102	0	128	0	131	0	0	2	0	2	338	0	161	287	326	0	18	276	333	0	8	296	331	0	9	295	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	227	0	225	0	216	0	216	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
200	251	0	251	0	240	0	240	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
300	251	0	249	0	238	0	238	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
400	234	0	233	0	222	0	224	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
500	227	0	227	0	218	0	218	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
600	218	0	218	0	207	0	207	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
700	204	0	202	0	193	0	193	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	6
800	195	0	193	0	184	0	186	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
900	191	0	189	0	182	0	180	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1000	186	0	184	0	175	0	175	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1100	189	0	188	0	180	0	179	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1200	180	0	179	0	170	0	170	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1300	177	0	175	0	166	0	164	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1400	166	0	168	0	162	0	153	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	6
1500	171	0	171	0	161	0	157	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1600	166	0	164	0	155	0	155	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1700	168	0	166	0	157	0	157	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1800	166	0	164	0	155	0	157	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1900	166	0	164	0	155	0	155	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2000	168	0	166	0	159	0	159	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2100	171	0	170	0	161	0	161	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2200	171	0	170	0	161	0	161	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2300	164	0	164	0	157	0	155	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2400	164	0	162	0	153	0	153	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	95	0	100	0	128	0	131	0	0	2	0	2	326	0	30	271	316	0	6	274	324	0	344	295	322	0	346	292	0	2	0	0	0	2
200	73	0	74	0	95	0	96	0	0	2	0	2	101	0	128	73	96	0	151	68	88	0	111	65	91	0	118	57	0	2	0	0	0	2
300	98	0	78	0	135	0	129	0	0	2	0	2	106	0	133	66	101	0	125	62	95	0	111	75	98	0	113	81	0	2	0	0	0	2
400	91	0	95	0	131	0	130	0	0	2	0	2	130	0	151	116	127	0	150	106	120	0	127	114	123	0	132	116	0	2	0	0	0	2
500	82	0	98	0	143	0	145	0	0	2	0	2	140	0	156	127	138	0	170	122	132	0	138	127	137	0	146	133	0	2	0	0	0	2
600	93	0	102	0	153	0	156	0	0	2	0	2	130	0	146	112	129	0	198	117	130	0	138	121	136	0	142	126	0	2	0	0	0	2
700	93	0	105	0	158	0	159	0	0	2	0	2	141	0	166	120	139	0	161	106	139	0	154	127	144	0	154	131	0	2	0	0	0	2
800	81	0	97	0	147	0	148	0	0	2	0	2	140	0	178	118	138	0	163	118	140	0	153	126	146	0	156	135	0	2	0	0	0	2
900	75	0	90	0	133	0	135	0	0	2	0	2	134	0	165	0	134	0	152	111	139	0	149	125	145	0	156	132	0	2	0	0	0	2
1000	73	2	100	0	137	0	147	0	0	2	0	2	0	0	0	0	146	0	206	111	149	0	167	131	156	0	176	132	0	2	0	0	0	2
1100	159	0	106	0	159	0	158	0	0	2	0	2	139	0	178	0	156	0	201	122	157	0	183	136	161	0	190	136	0	2	0	0	0	2
1200	87	0	89	0	142	0	145	0	0	2	0	2	165	0	225	112	158	0	223	99	164	0	214	121	168	0	199	134	0	2	0	0	0	2
1300	83	0	93	0	128	0	126	0	0	2	0	2	179	0	261	113	171	0	258	100	172	0	212	146	175	0	241	128	0	2	0	0	0	2
1400	62	0	65	0	114	0	120	0	0	2	0	2	167	0	238	101	167	0	263	104	165	0	202	131	170	0	207	120	0	2	0	0	0	2
1500	72	0	79	0	120	0	124	0	0	2	0	2	170	0	236	111	163	0	224	110	171	0	202	133	175	0	218	139	0	2	0	0	0	2
1600	64	0	73	0	124	0	127	0	0	2	0	2	175	0	269	111	171	0	269	108	170	0	222	135	174	0	216	126	0	2	0	0	0	2
1700	74	0	80	0	123	0	122	0	0	2	0	2	176	0	258	103	171	0	256	99	172	0	196	129	177	0	196	144	0	2	0	0	0	2
1800	53	0	58	0	94	0	97	0	0	2	0	2	170	0	245	122	166	0	252	105	170	0	213	142	174	0	206	150	0	2	0	0	0	2
1900	60	0	64	0	118	0	113	0	0	2	0	2	175	0	241	94	168	0	246	101	175	0	204	138	180	0	211	149	0	2	0	0	0	2
2000	80	0	88	0	146	0	144	0	0	2	0	2	174	0	231	110	168	0	235	99	170	0	206	130	174	0	212	136	0	2	0	0	0	2
2100	72	0	75	0	138	0	130	0	0	2	0	2	185	0	252	114	178	0	263	110	179	0	212	145	183	0	220	162	0	2	0	0	0	2
2200	73	0	76	0	134	0	131	0	0	2	0	2	174	0	231	102	171	0	252	99	172	0	198	147	176	0	213	156	0	2	0	0	0	2
2300	78	0	76	0	142	0	130	0	0	2	0	2	198	0	257	143	195	0	262	121	187	0	214	158	189	0	213	155	0	2	0	0	0	2
2400	78	0	78	0	145	0	133	0	0	2	0	2	202	0	257	122	200	0	259	99	192	0	219	158	194	0	228	168	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	161	0	159	0	152	0	152	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
200	112	0	110	0	103	0	101	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
300	96	0	94	0	87	0	87	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
400	78	0	78	0	74	0	74	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
500	71	0	69	0	76	0	76	0	320	2	320	2	7	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
600	62	0	60	0	69	0	69	0	320	2	320	2	9	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
700	67	0	65	0	65	0	65	0	320	2	320	2	0	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
800	69	0	67	0	65	0	65	0	320	2	320	2	2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	6
900	69	0	67	0	65	0	65	0	320	2	320	2	-2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1000	92	0	90	0	81	0	78	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	6
1100	117	0	116	0	107	0	101	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1200	148	0	148	0	126	0	123	0	320	2	320	2	-25	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1300	161	0	164	0	144	0	137	0	320	2	320	2	-25	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1400	159	0	159	0	143	0	139	0	320	2	320	2	-20	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1500	170	0	171	0	159	0	153	0	320	2	320	2	-16	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1600	182	0	180	0	168	0	166	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1700	184	0	182	0	173	0	173	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1800	180	0	179	0	175	0	173	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1900	184	0	182	0	177	0	177	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2000	182	0	180	0	177	0	177	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2100	184	0	182	0	177	0	177	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	6
2200	180	0	179	0	175	0	175	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2300	189	0	189	0	184	0	184	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2400	200	0	198	0	195	0	193	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0

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

REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	87	0	87	0	146	0	131	0	0	2	0	2	213	0	263	167	208	0	269	105	195	0	219	141	197	0	222	163	0	2	0	0	0	2
200	88	0	85	0	153	0	139	0	0	2	0	2	209	0	265	123	205	0	261	121	199	0	264	171	201	0	252	178	0	2	0	0	0	2
300	90	0	85	0	148	0	129	0	0	2	0	2	215	0	268	143	211	0	257	139	201	0	230	175	203	0	228	173	0	2	0	0	0	2
400	79	0	75	0	133	0	117	0	0	2	0	2	220	0	267	136	212	0	268	126	201	0	230	172	204	0	232	179	0	2	0	0	0	2
500	93	0	87	0	136	0	119	0	0	2	0	2	219	0	255	168	212	0	257	156	203	0	232	169	204	0	234	174	0	2	0	0	0	2
600	72	0	68	0	117	0	106	0	0	2	0	2	213	0	264	138	206	0	260	166	201	0	228	174	203	0	229	181	0	2	0	0	0	2
700	88	0	83	0	144	0	126	0	0	2	0	2	213	0	266	124	207	0	261	137	199	0	221	182	201	0	225	184	0	2	0	0	0	2
800	91	0	86	0	138	0	122	0	0	2	0	2	217	0	269	162	208	0	250	165	201	0	234	172	203	0	233	175	0	2	0	0	0	2
900	68	0	66	0	112	0	101	0	0	2	0	2	211	0	267	134	209	0	269	144	202	0	241	169	204	0	237	170	0	2	0	0	0	2
1000	84	0	84	0	132	0	119	0	0	2	0	2	211	0	267	101	206	0	269	154	197	0	216	162	200	0	223	180	0	2	0	0	0	2
1100	70	0	67	0	98	0	89	0	0	2	0	2	228	0	288	186	221	0	269	171	207	0	245	153	210	0	250	181	0	2	0	0	0	2
1200	53	0	53	0	97	0	90	0	0	2	0	2	206	0	265	128	206	0	267	94	188	0	224	138	193	0	228	137	0	2	0	0	0	2
1300	59	0	58	0	113	0	101	0	0	2	0	2	192	0	266	117	186	0	268	109	182	0	238	133	186	0	239	113	0	2	0	0	0	2
1400	67	0	71	0	119	0	115	0	0	2	0	2	186	0	256	92	186	0	256	93	179	0	251	145	185	0	232	157	0	2	0	0	0	2
1500	67	0	64	0	114	0	100	0	0	2	0	2	207	0	267	91	207	0	268	104	190	0	221	105	196	0	241	150	0	2	0	0	0	2
1600	75	0	73	0	129	0	120	0	0	2	0	2	201	0	262	128	194	0	248	92	187	0	224	143	190	0	220	124	0	2	0	0	0	2
1700	68	0	72	0	142	0	130	0	0	2	0	2	189	0	254	90	184	0	256	105	180	0	206	152	185	0	218	165	0	2	0	0	0	2
1800	73	0	81	0	147	0	149	0	0	2	0	2	170	0	214	105	163	0	239	105	167	0	189	145	173	0	194	150	0	2	0	0	0	2
1900	83	0	89	0	160	0	162	0	0	2	0	2	170	0	220	98	167	0	227	126	169	0	191	144	173	0	190	156	0	2	0	0	0	2
2000	75	0	76	0	155	0	143	0	0	2	0	2	195	0	260	121	192	0	256	130	184	0	208	162	188	0	210	165	0	2	0	0	0	2
2100	79	0	84	0	156	0	140	0	0	2	0	2	198	0	267	110	192	0	264	96	184	0	205	157	189	0	216	172	0	2	0	0	0	2
2200	77	0	78	0	159	0	144	0	0	2	0	2	197	0	242	118	194	0	269	97	189	0	222	164	191	0	229	166	0	2	0	0	0	2
2300	93	0	93	0	165	0	146	0	0	2	0	2	204	0	269	142	200	0	256	158	193	0	224	166	195	0	228	178	0	2	0	0	0	2
2400	79	0	81	0	163	0	150	0	0	2	0	2	205	0	266	113	195	0	264	132	190	0	219	149	193	0	231	159	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	204	0	202	0	197	0	197	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
200	189	0	189	0	182	0	180	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
300	191	0	191	0	186	0	186	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
400	193	0	191	0	189	0	189	0	320	2	320	2	2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
500	202	0	200	0	197	0	197	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
600	204	0	204	0	198	0	198	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
700	204	0	200	0	200	0	200	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
800	202	0	200	0	198	0	200	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
900	218	0	216	0	211	0	209	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	6
1000	231	0	231	0	220	0	218	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1100	258	0	260	0	247	0	243	0	320	2	320	2	-14	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1200	294	0	294	0	270	0	267	0	320	2	320	2	-27	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	6
1300	301	0	303	0	283	0	276	0	320	2	320	2	-27	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1400	322	0	322	0	297	0	296	0	320	2	320	2	-23	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	6
1500	347	0	349	0	333	0	324	0	320	2	320	2	-23	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1600	352	0	352	0	336	0	334	0	320	2	320	2	-16	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1700	338	0	338	0	336	0	333	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1800	327	0	325	0	329	0	329	0	320	2	320	2	5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1900	329	0	327	0	331	0	331	0	320	2	320	2	4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2000	333	0	331	0	333	0	334	0	320	2	320	2	4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2100	334	0	333	0	333	0	333	0	320	2	320	2	2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2200	327	0	325	0	329	0	329	0	320	2	320	2	4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2300	327	0	324	0	327	0	327	0	320	2	320	2	4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2400	325	0	324	0	327	0	327	0	320	2	320	2	5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION, TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	101	0	102	0	202	0	181	0	0	2	0	2	210	0	263	152	204	0	267	139	194	0	227	169	197	0	238	176	0	2	0	0	0	2
200	107	0	99	0	192	0	168	0	0	2	0	2	214	0	265	127	207	0	263	137	195	0	225	166	200	0	233	166	0	2	0	0	0	2
300	103	0	100	0	182	0	161	0	0	2	0	2	208	0	255	96	205	0	267	142	196	0	222	153	199	0	227	163	0	2	0	0	0	2
400	107	0	101	0	190	0	163	0	0	2	0	2	208	0	263	131	205	0	257	132	197	0	213	170	199	0	219	178	0	2	0	0	0	2
500	112	0	105	0	188	0	166	0	0	2	0	2	209	0	259	128	204	0	250	120	197	0	229	173	200	0	228	170	0	2	0	0	0	2
600	140	0	138	0	220	0	192	0	0	2	0	2	208	0	267	126	206	0	267	138	197	0	222	161	200	0	226	166	0	2	0	0	0	2
700	128	0	125	0	220	0	186	0	0	2	0	2	214	0	266	134	211	0	267	127	199	0	236	168	202	0	246	157	0	2	0	0	0	2
800	132	0	126	0	247	0	223	0	0	2	0	2	203	0	265	131	197	0	266	117	191	0	236	141	193	0	236	156	0	2	0	0	0	2
900	101	0	103	0	204	0	189	0	0	2	0	2	188	0	268	112	185	0	250	99	180	0	210	133	185	0	217	155	0	2	0	0	0	2
1000	118	0	117	0	222	0	208	0	0	2	0	2	195	0	267	93	187	0	267	103	186	0	225	156	186	0	211	155	0	2	0	0	0	2
1100	145	0	133	0	256	0	229	0	0	2	0	2	204	0	268	101	201	0	261	103	192	0	221	157	193	0	223	144	0	2	0	0	0	2
1200	150	0	144	0	259	0	231	0	0	2	0	2	204	0	268	116	199	0	260	115	191	0	221	163	193	0	223	173	0	2	0	0	0	2
1300	144	0	134	0	223	0	197	0	0	2	0	2	217	0	266	146	210	0	264	152	201	0	230	175	203	0	231	156	0	2	0	0	0	2
1400	127	0	116	0	199	0	176	0	0	2	0	2	228	0	287	180	216	0	269	170	205	0	239	174	208	0	244	179	0	2	0	0	0	2
1500	169	0	153	0	239	0	205	0	0	2	0	2	231	0	263	179	224	0	266	168	218	0	255	186	219	0	257	185	0	2	0	0	0	2
1600	148	0	128	0	231	0	203	0	0	2	0	2	236	0	277	182	231	0	284	186	222	0	250	197	221	0	246	195	0	2	0	0	0	2
1700	140	0	129	0	204	0	178	0	0	2	0	2	220	0	267	171	214	0	263	169	204	0	247	170	206	0	232	161	0	2	0	0	0	2
1800	150	0	135	0	222	0	192	0	0	2	0	2	223	0	265	178	215	0	252	138	204	0	237	141	206	0	237	167	0	2	0	0	0	2
1900	157	0	151	0	236	0	208	0	0	2	0	2	216	0	268	165	211	0	251	149	201	0	226	160	203	0	223	164	0	2	0	0	0	2
2000	154	0	136	0	228	0	200	0	0	2	0	2	225	0	262	159	219	0	258	129	211	0	242	181	210	0	244	186	0	2	0	0	0	2
2100	147	0	139	0	216	0	195	0	0	2	0	2	234	0	289	185	227	0	284	188	215	0	249	189	217	0	249	185	0	2	0	0	0	2
2200	157	0	138	0	214	0	187	0	0	2	0	2	233	0	294	186	225	0	261	168	213	0	249	175	215	0	246	184	0	2	0	0	0	2
2300	137	0	120	0	201	0	179	0	0	2	0	2	233	0	267	190	226	0	263	190	215	0	243	188	216	0	233	196	0	2	0	0	0	2
2400	137	0	126	0	191	0	165	0	0	2	0	2	227	0	268	145	223	0	283	182	209	0	230	165	212	0	236	178	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	333	0	329	0	334	0	334	0	320	2	320	2	5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
200	342	0	340	0	340	0	342	0	320	2	320	2	2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
300	338	0	336	0	336	0	336	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
400	338	0	336	0	338	0	338	0	320	2	320	2	2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
500	338	0	336	0	338	0	338	0	320	2	320	2	2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
600	343	0	342	0	343	0	343	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
700	345	0	343	0	343	0	343	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
800	347	0	345	0	345	0	345	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
900	343	0	342	0	340	0	340	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1000	372	0	372	0	363	0	361	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1100	408	0	410	0	401	0	397	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1200	432	0	432	0	417	0	414	0	320	2	320	2	-16	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1300	459	0	459	0	442	0	441	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1400	487	0	486	0	471	0	469	0	320	2	320	2	-16	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	6
1500	482	0	480	0	473	0	471	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1600	466	0	468	0	469	0	464	0	320	2	320	2	0	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
1700	475	0	471	0	469	0	468	0	320	2	320	2	-2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1800	471	0	468	0	468	0	466	0	320	2	320	2	2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1900	468	0	466	0	462	0	459	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2000	455	0	453	0	448	0	448	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2100	444	0	444	0	439	0	439	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	6
2200	442	0	441	0	435	0	435	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2300	435	0	433	0	430	0	430	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
2400	426	0	424	0	417	0	417	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	121	0	110	0	178	0	159	0	0	2	0	2	230	0	268	172	225	0	273	185	213	0	248	184	214	0	246	184	0	2	0	0	0	2
200	112	0	101	0	164	0	147	0	0	2	0	2	230	0	282	181	220	0	253	149	216	0	254	193	218	0	250	196	0	2	0	0	0	2
300	106	0	98	0	156	0	140	0	0	2	0	2	227	0	259	178	222	0	288	183	216	0	241	190	217	0	235	194	0	2	0	0	0	2
400	115	0	0	2	157	0	0	2	0	2	0	2	212	0	176	245	0	2	0	0	205	0	186	230	0	2	0	0	0	2	0	0	0	2
500	78	0	0	2	142	0	0	2	0	2	0	2	217	0	186	248	0	2	0	0	210	0	188	229	0	2	0	0	0	2	0	0	0	2
600	80	0	0	2	134	0	0	2	0	2	0	2	206	0	172	245	0	2	0	0	196	0	173	214	0	2	0	0	0	2	0	0	0	2
700	75	0	0	2	132	0	0	2	0	2	0	2	188	0	150	236	0	2	0	0	193	0	166	208	0	2	0	0	0	2	0	0	0	2
800	61	0	0	2	113	0	0	2	0	2	0	2	178	0	145	220	0	2	0	0	185	0	169	199	0	2	0	0	0	2	0	0	0	2
900	65	0	0	2	96	0	0	2	0	2	0	2	165	0	136	183	0	2	0	0	165	0	148	182	0	2	0	0	0	2	0	0	0	2
1000	73	0	0	2	111	0	0	2	0	2	0	2	166	0	125	195	0	2	0	0	169	0	151	196	0	2	0	0	0	2	0	0	0	2
1100	75	0	0	2	119	0	0	2	0	2	0	2	151	0	123	175	0	2	0	0	160	0	143	176	0	2	0	0	0	2	0	0	0	2
1200	69	0	0	2	111	0	0	2	0	2	0	2	179	0	147	214	0	2	0	0	182	0	165	204	0	2	0	0	0	2	0	0	0	2
1300	77	0	0	2	119	0	0	2	0	2	0	2	156	0	124	186	0	2	0	0	166	0	147	181	0	2	0	0	0	2	0	0	0	2
1400	80	0	0	2	107	0	0	2	0	2	0	2	148	0	127	174	0	2	0	0	154	0	141	173	0	2	0	0	0	2	0	0	0	2
1500	82	0	0	2	115	0	0	2	0	2	0	2	147	0	125	168	0	2	0	0	150	0	131	166	0	2	0	0	0	2	0	0	0	2
1600	73	0	0	2	119	0	0	2	0	2	0	2	143	0	123	168	0	2	0	0	154	0	138	167	0	2	0	0	0	2	0	0	0	2
1700	50	0	0	2	109	0	0	2	0	2	0	2	155	0	123	184	0	2	0	0	159	0	142	176	0	2	0	0	0	2	0	0	0	2
1800	61	0	0	2	94	0	0	2	0	2	0	2	200	0	172	226	0	2	0	0	194	0	177	213	0	2	0	0	0	2	0	0	0	2
1900	57	0	0	2	86	0	0	2	0	2	0	2	241	0	227	260	0	2	0	0	236	0	219	247	0	2	0	0	0	2	0	0	0	2
2000	69	0	0	2	84	0	0	2	0	2	0	2	266	0	251	283	0	2	0	0	260	0	258	273	0	2	0	0	0	2	0	0	0	2
2100	65	0	0	2	88	0	0	2	0	2	0	2	310	0	296	327	0	2	0	0	301	0	296	302	0	2	0	0	0	2	0	0	0	2
2200	50	0	0	2	67	0	0	2	0	2	0	2	325	0	300	344	0	2	0	0	321	0	316	326	0	2	0	0	0	2	0	0	0	2
2300	82	0	0	2	86	0	0	2	0	2	0	2	302	0	290	319	0	2	0	0	281	0	269	299	0	2	0	0	0	2	0	0	0	2
2400	63	0	0	2	69	0	0	2	0	2	0	2	276	0	251	301	0	2	0	0	282	0	255	307	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	419	0	419	0	412	0	412	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
200	401	0	401	0	396	0	396	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	6
300	396	0	396	0	392	0	392	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	257	0
400	370	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	6
500	384	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	401	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	380	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	353	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	384	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	390	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	380	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	380	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	397	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	377	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	373	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	377	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	401	0	0	2	0	2	0	2	0	2	0	2	4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	390	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	360	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	360	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	316	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	285	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	314	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	305	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION : TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	70	0	0	2	140	0	0	2	0	2	0	2	307	0	285	334	0	2	0	0	310	0	308	317	0	2	0	0	0	2	0	0	0	2
200	142	0	0	2	213	0	0	2	0	2	0	2	318	0	293	341	0	2	0	0	310	0	305	317	0	2	0	0	0	2	0	0	0	2
300	132	0	0	2	236	0	0	2	0	2	0	2	326	0	296	354	0	2	0	0	323	0	316	330	0	2	0	0	0	2	0	0	0	2
400	163	0	0	2	223	0	0	2	0	2	0	2	352	0	316	22	0	2	0	0	328	0	319	337	0	2	0	0	0	2	0	0	0	2
500	127	0	0	2	196	0	0	2	0	2	0	2	20	0	337	50	0	2	0	0	347	0	327	13	0	2	0	0	0	2	0	0	0	2
600	119	0	0	2	182	0	0	2	0	2	0	2	20	0	345	52	0	2	0	0	359	0	331	16	0	2	0	0	0	2	0	0	0	2
700	193	0	0	2	144	0	0	2	0	2	0	2	20	0	353	47	0	2	0	0	358	0	343	17	0	2	0	0	0	2	0	0	0	2
800	198	0	0	2	138	0	0	2	0	2	0	2	15	0	336	41	0	2	0	0	339	0	321	355	0	2	0	0	0	2	0	0	0	2
900	143	0	0	2	107	0	0	2	0	2	0	2	3	0	327	28	0	2	0	0	350	0	328	11	0	2	0	0	0	2	0	0	0	2
1000	66	0	0	2	105	0	0	2	0	2	0	2	24	0	358	53	0	2	0	0	344	0	328	10	0	2	0	0	0	2	0	0	0	2
1100	111	0	0	2	88	0	0	2	0	2	0	2	10	0	336	43	0	2	0	0	340	0	326	1	0	2	0	0	0	2	0	0	0	2
1200	28	0	33	0	55	0	57	0	0	2	0	2	15	3	119	277	8	0	77	301	352	0	42	275	352	0	49	288	0	2	0	0	0	2
1300	29	0	37	0	41	0	45	0	0	2	0	2	338	3	171	287	327	0	26	272	326	0	0	274	326	0	355	294	0	2	0	0	0	2
1400	35	0	43	0	46	0	51	0	0	2	0	2	295	0	344	208	285	0	320	204	288	0	340	220	291	0	340	240	0	2	0	0	0	2
1500	31	0	38	0	42	0	44	0	0	2	0	2	276	0	358	202	274	0	359	206	285	0	359	219	285	0	358	233	0	2	0	0	0	2
1600	20	0	29	0	24	0	28	0	0	2	0	2	297	0	352	198	290	0	352	223	309	0	359	228	307	0	355	213	0	2	0	0	0	2
1700	42	0	48	0	48	0	51	0	0	2	0	2	40	0	93	6	32	0	82	291	28	0	67	353	32	0	74	348	0	2	0	0	0	2
1800	31	0	39	0	37	0	42	0	0	2	0	2	48	0	70	359	43	0	65	9	39	0	83	21	42	0	88	20	0	2	0	0	0	2
1900	40	0	49	0	47	0	53	0	0	2	0	2	68	0	104	36	64	0	99	33	55	0	84	32	61	0	91	30	0	2	0	0	0	2
2000	40	0	46	0	56	0	57	0	0	2	0	2	104	0	157	72	99	0	139	72	90	0	113	49	96	0	116	57	0	2	0	0	0	2
2100	26	0	32	0	40	0	42	0	0	2	0	2	118	0	142	90	114	0	139	88	110	0	133	92	116	0	139	102	0	2	0	0	0	2
2200	55	0	58	0	82	0	82	0	0	2	0	2	93	0	114	76	90	0	112	77	79	0	86	77	84	0	90	81	0	2	0	0	0	2
2300	78	0	83	0	138	0	135	0	0	2	0	2	94	0	118	72	92	0	106	71	80	0	89	75	85	0	93	82	0	2	0	0	0	2
2400	70	0	88	0	144	0	140	0	0	2	0	2	113	0	139	93	107	0	129	82	97	0	106	89	101	0	112	85	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	346	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	350	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	346	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	290	0	0	2	0	2	0	2	0	2	0	2	11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	283	0	351	2	345	2	343	2	320	2	320	2	3	0	-5	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
600	281	0	0	2	0	2	0	2	0	2	0	2	9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	6
700	281	0	0	2	0	2	0	2	0	2	0	2	17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	302	0	0	2	0	2	0	2	0	2	0	2	20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	349	0	0	2	0	2	0	2	0	2	0	2	9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	379	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	413	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	358	0	356	0	354	0	349	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1300	356	0	354	0	349	0	345	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1400	352	0	351	0	345	0	342	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1500	345	0	345	0	336	0	333	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1600	338	0	336	0	331	0	329	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1700	334	0	333	0	327	0	325	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1800	333	0	331	0	324	0	324	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1900	324	0	324	0	315	0	315	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2000	314	0	314	0	306	0	306	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2100	299	0	299	0	294	0	296	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2200	297	0	297	0	301	0	305	0	320	2	320	2	9	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2300	292	0	290	0	305	0	306	0	320	2	320	2	16	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2400	290	0	288	0	292	0	292	0	320	2	320	2	4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	114	0	115	0	174	0	174	0	0	2	0	2	119	0	131	92	116	0	132	99	109	0	117	100	115	0	121	108	0	2	0	0	0	2
200	114	0	111	0	179	0	175	0	0	2	0	2	112	0	130	87	110	0	138	88	103	0	109	95	109	0	114	103	0	2	0	0	0	2
300	108	0	111	0	157	0	156	0	0	2	0	2	123	0	138	103	119	0	135	101	115	0	124	104	119	0	130	105	0	2	0	0	0	2
400	133	0	130	0	186	0	180	0	0	2	0	2	120	0	145	100	116	0	139	96	107	0	121	93	113	0	121	103	0	2	0	0	0	2
500	118	0	116	0	156	0	156	0	0	2	0	2	120	0	134	95	117	0	138	84	110	0	128	95	115	0	131	93	0	2	0	0	0	2
600	148	0	145	0	194	0	196	0	0	2	0	2	120	0	141	100	119	0	139	95	110	0	126	92	116	0	135	104	0	2	0	0	0	2
700	158	0	160	0	193	0	191	0	0	2	0	2	120	0	150	98	118	0	143	89	109	0	124	94	115	0	134	93	0	2	0	0	0	2
800	164	0	161	0	201	0	202	0	0	2	0	2	120	0	147	94	118	0	138	93	111	0	129	92	117	0	131	101	0	2	0	0	0	2
900	187	0	191	0	226	0	228	0	0	2	0	2	125	0	146	101	123	0	191	99	115	0	133	97	121	0	139	99	0	2	0	0	0	2
1000	210	0	217	0	260	0	256	0	0	2	0	2	118	0	146	90	123	0	265	98	106	0	133	92	112	0	135	95	0	2	0	0	0	2
1100	223	0	222	0	272	0	267	0	0	2	0	2	115	0	145	84	115	0	137	82	105	0	125	84	111	0	128	93	0	2	0	0	0	2
1200	184	0	181	0	232	0	227	0	0	2	0	2	115	0	144	90	112	0	142	89	103	0	122	89	107	0	138	77	0	2	0	0	0	2
1300	180	0	181	0	221	0	219	0	0	2	0	2	116	0	139	89	114	0	144	81	103	0	121	81	110	0	127	89	0	2	0	0	0	2
1400	213	0	213	0	274	0	267	0	0	2	0	2	114	0	136	74	112	0	140	70	104	0	118	87	109	0	127	93	0	2	0	0	0	2
1500	243	0	244	0	289	0	285	0	0	2	0	2	116	0	139	92	116	0	147	71	105	0	119	84	112	0	132	88	0	2	0	0	0	2
1600	240	0	237	0	295	0	286	0	0	2	0	2	116	0	140	92	116	0	256	90	102	0	122	77	109	0	130	78	0	2	0	0	0	2
1700	246	0	256	0	305	0	302	0	0	2	0	2	123	0	153	92	123	0	140	89	113	0	133	97	120	0	137	97	0	2	0	0	0	2
1800	242	0	244	0	298	0	296	0	0	2	0	2	119	0	150	83	118	0	138	88	109	0	130	90	115	0	142	92	0	2	0	0	0	2
1900	239	0	234	0	281	0	275	0	0	2	0	2	119	0	142	91	116	0	139	82	106	0	119	88	112	0	126	95	0	2	0	0	0	2
2000	191	0	191	0	244	0	236	0	0	2	0	2	119	0	147	89	116	0	136	76	106	0	122	78	112	0	127	87	0	2	0	0	0	2
2100	100	0	114	0	140	0	148	0	0	2	0	2	128	0	160	102	128	0	152	98	125	0	161	99	131	0	155	105	0	2	0	0	0	2
2200	143	0	142	0	174	0	185	0	0	2	0	2	126	0	153	102	123	0	166	94	120	0	133	101	126	0	147	105	0	2	0	0	0	2
2300	97	0	110	0	172	0	175	0	0	2	0	2	148	0	221	109	145	0	184	116	144	0	171	123	151	0	169	131	0	2	0	0	0	2
2400	122	0	134	0	159	0	172	0	0	2	0	2	129	0	157	105	127	0	144	104	122	0	143	105	130	0	144	115	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	296	0	294	0	301	0	301	0	320	2	320	2	7	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
200	299	0	297	0	305	0	305	0	320	2	320	2	9	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
300	308	0	306	0	310	0	312	0	320	2	320	2	5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
400	310	0	308	0	308	0	308	0	320	2	320	2	2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
500	320	0	320	0	315	0	315	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
600	327	0	325	0	322	0	322	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
700	334	0	333	0	327	0	325	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
800	333	0	333	0	327	0	325	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
900	338	0	340	0	334	0	333	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1000	345	0	347	0	342	0	340	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1100	354	0	354	0	349	0	345	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1200	360	0	360	0	354	0	352	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1300	363	0	363	0	356	0	354	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1400	360	0	360	0	347	0	347	0	320	2	320	2	-11	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1500	360	0	360	0	347	0	347	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1600	338	0	338	0	331	0	329	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1700	340	0	338	0	333	0	331	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1800	334	0	334	0	325	0	325	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1700	345	0	345	0	340	0	338	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2000	351	0	351	0	343	0	343	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2100	360	0	358	0	352	0	351	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2200	367	0	365	0	360	0	358	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2300	369	0	367	0	363	0	361	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2400	370	0	369	0	365	0	365	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	114	0	118	0	206	0	211	0	0	2	0	2	158	0	212	112	154	0	199	98	162	0	177	146	167	0	182	156	0	2	0	0	0	2
200	137	0	124	0	198	0	174	0	0	2	0	2	228	0	269	172	223	0	288	181	213	0	244	177	215	0	245	189	0	2	0	0	0	2
300	136	0	126	0	217	0	195	0	0	2	0	2	241	0	283	198	231	0	272	184	228	0	258	201	228	0	246	203	0	2	0	0	0	2
400	176	0	158	0	275	0	244	0	0	2	0	2	242	0	285	197	237	0	287	180	232	0	251	197	232	0	250	207	0	2	0	0	0	2
500	153	0	138	0	239	0	214	0	0	2	0	2	250	0	281	203	243	0	283	219	237	0	257	207	236	0	256	215	0	2	0	0	0	2
600	192	0	184	0	278	0	267	0	0	2	0	2	256	0	292	207	252	0	284	222	246	0	255	240	245	0	256	238	0	2	0	0	0	2
700	188	0	181	0	287	0	264	0	0	2	0	2	260	0	305	209	254	0	296	213	253	0	273	231	252	0	269	235	0	2	0	0	0	2
800	173	0	184	0	269	0	250	0	0	2	0	2	267	0	311	244	261	0	295	209	256	0	277	225	254	0	277	235	0	2	0	0	0	2
900	166	0	171	0	278	0	254	0	0	2	0	2	263	0	292	214	257	0	297	220	253	0	269	223	253	0	273	226	0	2	0	0	0	2
1000	146	0	135	0	211	0	190	0	0	2	0	2	247	0	278	197	242	0	277	210	237	0	256	211	237	0	251	220	0	2	0	0	0	2
1100	132	0	120	0	194	0	172	0	0	2	0	2	248	0	289	193	241	0	272	182	235	0	261	218	234	0	255	208	0	2	0	0	0	2
1200	162	0	169	0	236	0	220	0	0	2	0	2	266	0	311	227	260	0	301	229	256	0	282	232	256	0	267	236	0	2	0	0	0	2
1300	210	0	229	0	248	0	274	0	0	2	0	2	270	0	292	231	263	0	285	239	262	0	283	252	261	0	268	252	0	2	0	0	0	2
1400	230	0	245	0	244	0	261	0	0	2	0	2	271	0	290	243	264	0	287	241	266	0	285	256	264	0	279	252	0	2	0	0	0	2
1500	230	0	246	0	250	0	271	0	0	2	0	2	270	0	294	233	264	0	279	237	265	0	276	244	264	0	277	241	0	2	0	0	0	2
1600	144	0	153	0	215	0	207	0	0	2	0	2	267	0	308	231	259	0	302	218	255	0	265	235	255	0	263	246	0	2	0	0	0	2
1700	156	0	161	0	192	0	203	0	0	2	0	2	288	0	328	251	278	0	328	217	281	0	314	227	280	0	314	245	0	2	0	0	0	2
1800	160	0	169	0	197	0	208	0	0	2	0	2	289	0	341	235	281	0	318	235	283	0	312	240	284	0	306	253	0	2	0	0	0	2
1900	146	0	153	0	185	0	198	0	0	2	0	2	288	0	322	235	281	0	319	233	283	0	323	247	282	0	305	249	0	2	0	0	0	2
2000	156	0	159	0	190	0	197	0	0	2	0	2	283	0	335	243	274	0	317	229	283	0	314	244	280	0	312	239	0	2	0	0	0	2
2100	153	0	158	0	193	0	210	0	0	2	0	2	295	0	335	234	286	0	323	212	287	0	313	233	287	0	357	263	0	2	0	0	0	2
2200	196	0	200	0	267	0	274	0	0	2	0	2	339	0	64	291	329	0	4	276	331	0	350	319	328	0	341	311	0	2	0	0	0	2
2300	172	0	182	0	233	0	239	0	0	2	0	2	337	0	2	291	329	0	359	273	332	0	343	319	331	0	15	319	0	2	0	0	0	2
2400	169	0	174	0	234	0	229	0	0	2	0	2	316	0	349	285	306	0	335	276	315	0	322	304	312	0	323	302	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	399	0	397	0	399	0	399	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
200	433	0	432	0	432	0	432	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
300	426	0	424	0	423	0	421	0	320	2	320	2	-2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
400	378	0	376	0	372	0	372	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
500	369	0	369	0	367	0	365	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
600	365	0	365	0	363	0	361	0	320	2	320	2	2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
700	354	0	352	0	347	0	347	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
800	338	0	338	0	333	0	331	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
900	336	0	336	0	331	0	329	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1000	334	0	338	0	333	0	327	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1100	336	0	338	0	333	0	329	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1200	345	0	349	0	343	0	338	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1300	343	0	345	0	338	0	336	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1400	338	0	340	0	333	0	331	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1500	340	0	338	0	331	0	331	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1600	333	0	331	0	324	0	324	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1700	336	0	336	0	329	0	329	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1800	333	0	331	0	324	0	324	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1900	334	0	333	0	325	0	324	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2000	331	0	329	0	322	0	322	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2100	333	0	331	0	324	0	324	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2200	322	0	320	0	312	0	312	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2300	322	0	322	0	312	0	312	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2400	322	0	320	0	312	0	310	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0

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

REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	207	0	207	0	259	0	253	0	0	2	0	2	317	0	350	285	306	0	329	276	314	0	321	306	311	0	319	297	0	2	0	0	0	2
200	168	0	169	0	239	0	248	0	0	2	0	2	326	0	54	286	318	0	6	280	326	0	343	316	324	0	334	306	0	2	0	0	0	2
300	130	0	139	0	193	0	200	0	0	2	0	2	328	0	64	283	319	0	20	273	324	0	353	289	322	0	345	286	0	2	0	0	0	2
400	139	0	150	0	199	0	202	0	0	2	0	2	317	0	356	266	309	0	346	273	319	0	333	302	316	0	334	301	0	2	0	0	0	2
500	146	0	150	0	215	0	218	0	0	2	0	2	323	0	7	271	314	0	9	274	321	0	333	304	319	0	334	303	0	2	0	0	0	2
600	124	0	134	0	192	0	191	0	0	2	0	2	323	0	0	275	316	0	357	278	322	0	343	289	319	0	336	301	0	2	0	0	0	2
700	111	0	110	0	152	0	156	0	0	2	0	2	347	0	141	294	333	0	9	277	337	0	12	296	335	0	11	294	0	2	0	0	0	2
800	90	0	100	0	136	0	141	0	0	2	0	2	335	0	21	294	326	0	17	290	326	0	344	283	323	0	342	285	0	2	0	0	0	2
900	90	0	97	0	132	0	135	0	0	2	0	2	333	0	23	282	326	0	10	283	329	0	347	299	328	0	346	284	0	2	0	0	0	2
1000	111	0	123	0	164	0	169	0	0	2	0	2	332	0	20	282	322	0	3	275	328	0	341	314	326	0	336	311	0	2	0	0	0	2
1100	108	0	117	0	155	0	159	0	0	2	0	2	320	0	5	278	311	0	346	250	317	0	1	292	314	0	339	226	0	2	0	0	0	2
1200	83	0	91	0	117	0	119	0	0	2	0	2	6	0	57	301	0	0	59	284	353	0	27	317	355	0	31	319	0	2	0	0	0	2
1300	71	0	77	0	89	0	91	0	0	2	0	2	35	0	87	336	28	0	78	341	15	0	48	341	19	0	57	337	0	2	0	0	0	2
1400	93	0	101	0	115	0	116	0	0	2	0	2	37	0	71	9	33	0	65	344	20	0	44	352	24	0	54	351	0	2	0	0	0	2
1500	112	0	119	0	126	0	129	0	0	2	0	2	38	0	64	5	33	0	66	1	21	0	42	3	24	0	48	353	0	2	0	0	0	2
1600	110	0	116	0	133	0	132	0	0	2	0	2	38	0	123	1	29	0	64	318	21	0	71	341	22	0	52	336	0	2	0	0	0	2
1700	98	0	105	0	117	0	118	0	0	2	0	2	40	0	64	12	33	0	60	5	24	0	50	346	27	0	59	352	0	2	0	0	0	2
1800	113	0	117	0	143	0	143	0	0	2	0	2	35	0	68	13	29	0	65	352	18	0	37	357	19	0	50	357	0	2	0	0	0	2
1900	98	0	103	0	125	0	125	0	0	2	0	2	41	0	71	6	36	0	78	4	22	0	44	359	24	0	48	348	0	2	0	0	0	2
2000	85	0	92	0	107	0	108	0	0	2	0	2	41	0	80	12	36	0	78	356	27	0	109	8	29	0	72	5	0	2	0	0	0	2
2100	54	0	65	0	69	0	80	0	0	2	0	2	66	0	104	39	61	0	99	31	54	0	103	33	59	0	96	31	0	2	0	0	0	2
2200	49	0	55	0	63	0	64	0	0	2	0	2	96	0	126	56	93	0	129	56	85	0	112	65	90	0	109	74	0	2	0	0	0	2
2300	36	0	42	0	48	0	51	0	0	2	0	2	119	0	147	76	115	0	139	88	105	0	126	85	109	0	128	88	0	2	0	0	0	2
2400	46	0	54	0	61	0	65	0	0	2	0	2	129	0	155	115	126	0	149	109	122	0	133	113	126	0	137	112	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	314	0	312	0	305	0	303	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
200	310	0	310	0	301	0	301	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
300	308	0	306	0	297	0	297	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
400	305	0	303	0	296	0	294	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
500	303	0	301	0	294	0	292	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
600	296	0	294	0	285	0	287	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
700	296	0	292	0	285	0	287	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
800	296	0	292	0	285	0	287	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
900	294	0	292	0	285	0	285	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1000	297	0	296	0	288	0	287	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1100	297	0	297	0	288	0	288	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1200	301	0	299	0	292	0	290	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1300	305	0	305	0	297	0	296	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1400	303	0	301	0	296	0	294	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1500	301	0	299	0	292	0	292	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1600	297	0	297	0	290	0	287	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1700	290	0	288	0	281	0	281	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1800	287	0	287	0	276	0	276	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1900	287	0	287	0	278	0	278	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2000	283	0	281	0	274	0	274	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2100	278	0	276	0	269	0	269	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2200	270	0	269	0	261	0	261	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2300	265	0	263	0	254	0	254	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
2400	263	0	261	0	252	0	252	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	44	0	50	0	50	0	53	0	0	2	0	2	125	0	158	110	121	0	159	81	114	0	133	101	119	0	136	102	0	2	0	0	0	2
200	44	0	51	0	52	0	53	0	0	2	0	2	130	0	156	107	127	0	144	111	119	0	129	105	123	0	135	104	0	2	0	0	0	2
300	24	0	33	0	51	0	55	0	0	2	0	2	145	0	201	113	143	0	199	120	148	0	163	129	153	0	166	135	0	2	0	0	0	2
400	31	0	36	0	66	0	69	0	0	2	0	2	172	0	260	113	168	0	211	123	170	0	184	155	174	0	190	156	0	2	0	0	0	2
500	25	0	30	0	48	0	50	0	0	2	0	2	168	0	226	99	164	3	216	103	168	0	219	136	172	0	198	149	0	2	0	0	0	2
600	25	0	31	0	55	0	50	0	0	2	0	2	191	0	264	118	187	0	250	137	184	0	199	153	188	0	209	161	0	2	0	0	0	2
700	74	0	80	0	87	0	95	0	0	2	0	2	294	0	337	241	285	0	331	239	285	0	309	249	284	0	351	232	0	2	0	0	0	2
800	107	0	110	0	130	0	135	0	0	2	0	2	271	0	324	230	263	0	301	228	263	0	308	239	265	0	298	243	0	2	0	0	0	2
900	93	0	96	0	130	0	125	0	0	2	0	2	262	0	300	221	254	0	299	216	251	0	283	215	253	0	284	219	0	2	0	0	0	2
1000	112	0	109	0	141	0	130	0	0	2	0	2	249	0	293	216	243	0	273	215	232	0	250	203	235	0	253	212	0	2	0	0	0	2
1100	85	0	80	0	108	0	100	0	0	2	0	2	234	0	284	190	229	0	278	182	217	0	263	169	220	0	261	192	0	2	0	0	0	2
1200	160	0	152	0	211	0	200	0	0	2	0	2	256	0	286	208	249	0	290	222	245	0	264	230	246	0	262	234	0	2	0	0	0	2
1300	133	0	121	0	180	0	164	0	0	2	0	2	246	0	290	209	240	0	290	201	233	0	258	207	235	0	251	184	0	2	0	0	0	2
1400	111	0	105	0	163	0	151	0	0	2	0	2	244	0	307	192	238	0	297	184	225	0	265	179	228	0	257	175	0	2	0	0	0	2
1500	102	0	97	0	147	0	132	0	0	2	0	2	237	0	279	191	230	0	279	182	222	0	259	189	227	0	255	200	0	2	0	0	0	2
1600	96	0	92	0	144	0	132	0	0	2	0	2	225	0	265	154	227	0	296	183	213	0	251	184	216	0	247	184	0	2	0	0	0	2
1700	102	0	94	0	137	0	123	0	0	2	0	2	227	0	290	182	225	0	286	184	213	0	245	187	215	0	245	193	0	2	0	0	0	2
1800	111	0	99	0	143	0	133	0	0	2	0	2	237	0	292	198	228	0	262	177	218	0	248	179	220	0	253	190	0	2	0	0	0	2
1900	127	0	113	0	175	0	156	0	0	2	0	2	237	0	281	192	231	0	285	183	225	0	255	192	227	0	260	190	0	2	0	0	0	2
2000	142	0	124	0	198	0	178	0	0	2	0	2	240	0	280	199	233	0	268	178	225	0	249	191	225	0	280	189	0	2	0	0	0	2
2100	95	0	89	0	140	0	122	0	0	2	0	2	224	0	269	161	216	0	262	155	205	0	234	175	209	0	241	184	0	2	0	0	0	2
2200	109	0	97	0	158	0	144	0	0	2	0	2	231	0	265	171	223	0	257	159	217	0	248	187	218	0	246	192	0	2	0	0	0	2
2300	110	0	103	0	161	0	139	0	0	2	0	2	226	0	266	171	222	0	269	167	212	0	245	149	216	0	252	188	0	2	0	0	0	2
2400	115	0	108	0	167	0	151	0	0	2	0	2	242	0	306	185	236	0	279	183	228	0	260	200	230	0	263	191	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	260	0	260	0	251	0	251	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
200	258	0	258	0	249	0	249	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
300	252	0	252	0	245	0	247	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
400	254	0	252	0	247	0	247	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
500	256	0	254	0	249	0	249	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
600	256	0	254	0	249	0	249	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
700	283	0	279	0	272	0	274	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
800	285	0	283	0	276	0	274	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
900	276	0	274	0	267	0	267	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1000	279	0	279	0	270	0	269	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1100	283	0	283	0	274	0	272	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	320	0
1200	274	0	276	0	269	0	265	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	6
1300	274	0	274	0	263	0	261	0	320	2	320	2	-13	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1400	274	0	272	0	261	0	261	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1500	276	0	274	0	265	0	263	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1600	270	0	274	0	263	0	258	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1700	270	0	269	0	261	0	261	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	6
1800	274	0	272	0	267	0	265	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1900	274	0	274	0	267	0	267	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	6
2000	276	0	274	0	269	0	267	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2100	272	0	270	0	265	0	263	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	6
2200	261	0	260	0	251	0	251	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2300	256	0	256	0	249	0	249	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2400	263	0	263	0	256	0	256	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	92	0	81	0	136	0	123	0	0	2	0	2	237	0	295	186	229	0	268	168	222	0	264	187	223	0	258	194	0	2	0	0	0	2
200	88	0	80	0	128	0	115	0	0	2	0	2	234	0	283	198	228	0	290	190	219	0	247	180	221	0	240	186	0	2	0	0	0	2
300	91	0	86	0	133	0	118	0	0	2	0	2	223	0	266	179	218	0	261	182	210	0	238	183	212	0	242	190	0	2	0	0	0	2
400	155	0	158	0	187	0	196	0	0	2	0	2	272	0	328	231	264	0	310	229	269	0	300	230	267	0	296	238	0	2	0	0	0	2
500	137	0	191	0	224	0	239	0	0	2	0	2	293	0	328	247	282	0	318	225	287	0	328	242	284	0	307	253	0	2	0	0	0	2
600	144	0	148	0	178	0	182	0	0	2	0	2	277	0	317	241	267	0	318	228	274	0	311	224	275	0	319	233	0	2	0	0	0	2
700	235	0	247	0	269	0	282	0	0	2	0	2	273	0	302	245	262	0	295	212	264	0	289	238	265	0	295	240	0	2	0	0	0	2
800	217	0	215	0	286	0	269	0	0	2	0	2	264	0	291	224	256	0	303	223	255	0	280	233	255	0	270	226	0	2	0	0	0	2
900	208	0	217	0	301	0	281	0	0	2	0	2	267	0	308	223	258	0	296	217	254	0	269	218	254	0	272	234	0	2	0	0	0	2
1000	202	0	192	0	280	0	260	0	0	2	0	2	258	0	294	218	252	0	296	217	250	0	265	235	249	0	267	232	0	2	0	0	0	2
1100	206	0	203	0	276	0	249	0	0	2	0	2	260	0	306	203	252	0	296	212	250	0	281	234	249	0	279	218	0	2	0	0	0	2
1200	210	0	190	0	275	0	261	0	0	2	0	2	257	0	289	231	246	0	277	212	246	0	264	234	246	0	268	232	0	2	0	0	0	2
1300	166	0	157	0	230	0	213	0	0	2	0	2	257	0	312	225	250	0	289	212	248	0	277	225	248	0	269	222	0	2	0	0	0	2
1400	134	0	127	0	185	0	169	0	0	2	0	2	256	0	304	203	248	0	286	218	242	0	272	208	242	0	262	207	0	2	0	0	0	2
1500	98	0	92	0	140	0	126	0	0	2	0	2	244	0	289	198	238	0	296	199	230	0	254	189	231	0	266	192	0	2	0	0	0	2
1600	103	0	91	0	141	0	124	0	0	2	0	2	243	0	283	202	234	0	269	183	232	0	278	195	231	0	267	194	0	2	0	0	0	2
1700	52	0	52	0	101	0	89	0	0	2	0	2	199	0	264	127	195	0	262	132	194	0	240	172	196	0	236	168	0	2	0	0	0	2
1800	30	0	36	0	57	0	54	0	0	2	0	2	191	0	259	116	191	0	262	110	186	0	222	163	188	0	218	109	0	2	0	0	0	2
1900	32	0	39	0	66	0	71	0	0	2	0	2	151	0	194	125	147	0	187	117	155	0	175	133	160	0	178	142	0	2	0	0	0	2
2000	31	0	38	0	67	0	71	0	0	2	0	2	145	0	178	114	144	0	172	115	155	0	173	135	160	0	176	142	0	2	0	0	0	2
2100	87	0	93	0	114	0	94	0	0	2	0	2	126	0	156	105	125	0	145	100	126	0	140	112	132	0	149	119	0	2	0	0	0	2
2200	83	0	96	0	162	0	95	0	0	2	0	2	143	0	188	103	142	0	198	110	145	0	175	120	151	0	173	126	0	2	0	0	0	2
2300	100	0	111	0	183	0	183	0	0	2	0	2	145	0	195	106	142	0	184	111	150	0	171	129	156	0	174	132	0	2	0	0	0	2
2400	106	0	114	0	188	0	189	0	0	2	0	2	166	0	234	115	162	0	230	117	170	0	197	136	174	0	197	150	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 1 180B	S	D T 2	S	D T 3	S	D T 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	272	0	270	0	261	0	261	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
200	272	0	269	0	263	0	261	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	6
300	267	0	265	0	260	0	258	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
400	270	0	269	0	260	0	260	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
500	270	0	269	0	260	0	258	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
600	265	0	263	0	254	0	254	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
700	254	0	252	0	243	0	243	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
800	233	0	231	0	220	0	220	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
900	215	0	213	0	204	0	204	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1000	202	0	202	0	193	0	193	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1100	200	0	198	0	189	0	189	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1200	202	0	202	0	193	0	191	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1300	220	0	218	0	209	0	209	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1400	225	0	224	0	215	0	215	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1500	234	0	234	0	224	0	222	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1600	245	0	245	0	236	0	233	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1700	242	0	240	0	234	0	231	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1800	227	0	227	0	218	0	218	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1900	231	0	229	0	224	0	224	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2000	238	0	238	0	234	0	233	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2100	245	0	245	0	240	0	240	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2200	260	0	260	0	254	0	254	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2300	274	0	274	0	270	0	269	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2400	297	0	296	0	294	0	292	0	320	2	320	2	2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION. TEMPERATURE .1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	72	0	75	0	160	0	146	0	0	2	0	2	190	0	245	121	183	0	240	118	186	0	219	156	188	0	212	161	0	2	0	0	0	2
200	94	0	94	0	160	0	141	0	0	2	0	2	213	0	269	155	206	0	261	136	200	0	220	168	203	0	229	178	0	2	0	0	0	2
300	79	0	75	0	129	0	116	0	0	2	0	2	223	0	269	166	219	0	263	167	212	0	235	183	212	0	233	166	0	2	0	0	0	2
400	95	0	86	0	143	0	126	0	0	2	0	2	237	0	298	186	230	0	278	190	223	0	258	189	224	0	250	194	0	2	0	0	0	2
500	232	0	211	0	327	0	314	0	0	2	0	2	250	0	289	210	241	0	262	211	242	0	258	219	242	0	255	231	0	2	0	0	0	2
600	217	0	212	0	315	0	295	0	0	2	0	2	263	0	297	208	255	0	285	209	253	0	281	233	253	0	272	237	0	2	0	0	0	2
700	201	0	189	0	299	0	272	0	0	2	0	2	259	0	288	224	249	0	297	200	249	0	281	226	248	0	277	229	0	2	0	0	0	2
800	190	0	194	0	269	0	257	0	0	2	0	2	268	0	296	234	259	0	302	213	254	0	266	220	254	0	271	236	0	2	0	0	0	2
900	253	0	256	0	300	0	321	0	0	2	0	2	297	0	340	261	287	0	335	248	288	0	307	252	287	0	310	260	0	2	0	0	0	2
1000	237	0	253	0	329	0	340	0	0	2	0	2	303	0	325	274	292	0	319	262	301	0	311	292	297	0	303	256	0	2	0	0	0	2
1100	216	0	213	0	273	0	283	0	0	2	0	2	302	0	343	264	293	0	324	263	297	0	304	286	293	0	300	268	0	2	0	0	0	2
1200	180	0	184	0	212	0	224	0	0	2	0	2	296	0	319	253	286	0	313	248	290	0	326	241	288	0	308	256	0	2	0	0	0	2
1300	163	0	167	0	195	0	201	0	0	2	0	2	282	0	333	234	275	0	318	239	278	0	305	243	278	0	316	245	0	2	0	0	0	2
1400	129	0	138	0	156	0	168	0	0	2	0	2	288	0	338	211	278	0	318	224	279	0	316	236	279	0	309	242	0	2	0	0	0	2
1500	147	0	158	0	166	0	174	0	0	2	0	2	270	0	301	245	263	0	296	225	268	0	299	251	267	0	291	246	0	2	0	0	0	2
1600	135	0	144	0	173	0	170	0	0	2	0	2	266	0	311	213	258	0	286	205	256	0	286	229	254	0	269	219	0	2	0	0	0	2
1700	117	0	114	0	171	0	163	0	0	2	0	2	257	0	301	204	251	0	296	200	247	0	270	222	247	0	269	220	0	2	0	0	0	2
1800	146	0	132	0	192	0	173	0	0	2	0	2	251	0	297	217	242	0	284	203	240	0	257	216	240	0	252	221	0	2	0	0	0	2
1900	60	0	58	0	88	0	82	0	0	2	0	2	228	0	284	189	221	0	273	190	215	0	238	191	218	0	264	193	0	2	0	0	0	2
2000	67	0	65	0	103	0	94	0	0	2	0	2	218	0	260	137	215	0	260	166	209	0	234	182	212	0	237	190	0	2	0	0	0	2
2100	78	0	71	0	119	0	105	0	0	2	0	2	227	0	267	172	220	0	269	173	216	0	261	189	217	0	239	199	0	2	0	0	0	2
2200	149	0	137	0	201	0	180	0	0	2	0	2	249	0	298	217	242	0	290	201	236	0	252	194	236	0	248	201	0	2	0	0	0	2
2300	111	0	105	0	156	0	139	0	0	2	0	2	247	0	300	193	240	0	285	190	235	0	262	199	235	0	257	213	0	2	0	0	0	2
2400	68	0	66	0	108	0	97	0	0	2	0	2	219	0	268	147	214	0	256	160	209	0	241	192	209	0	236	181	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	310	0	308	0	308	0	308	0	320	2	320	2	0	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
200	331	0	329	0	329	0	329	0	320	2	320	2	0	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
300	324	0	324	0	320	0	320	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	107	0
400	329	0	329	0	324	0	324	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	112	0
500	314	0	312	0	306	0	306	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	114	0
600	270	0	270	0	261	0	260	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
700	238	0	238	0	229	0	229	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
800	243	0	242	0	234	0	234	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
900	279	0	278	0	270	0	269	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1000	261	0	260	0	249	0	247	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1100	242	0	242	0	229	0	229	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	114	6
1200	229	0	229	0	216	0	216	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1300	231	0	231	0	220	0	218	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1400	238	0	236	0	225	0	224	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1500	238	0	238	0	227	0	227	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1600	236	0	236	0	227	0	225	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1700	233	0	231	0	224	0	222	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1800	229	0	229	0	220	0	220	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1900	213	0	211	0	202	0	202	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2000	204	0	204	0	197	0	197	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2100	204	0	204	0	197	0	197	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2200	227	0	225	0	220	0	220	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2300	238	0	238	0	231	0	231	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2400	234	0	234	0	225	0	225	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0

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

REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	47	0	51	0	92	0	85	0	0	2	0	2	183	0	266	106	174	0	267	111	179	0	208	146	183	0	211	156	0	2	0	0	0	2
200	36	0	43	0	78	0	77	0	0	2	0	2	157	0	214	112	152	0	199	116	163	0	181	139	167	0	182	144	0	2	0	0	0	2
300	67	0	68	0	120	0	118	0	0	2	0	2	174	0	224	122	170	0	227	99	173	0	211	145	177	0	207	159	0	2	0	0	0	2
400	59	0	63	0	122	0	123	0	0	2	0	2	171	0	262	106	165	0	222	104	168	0	197	140	173	0	201	138	0	2	0	0	0	2
500	71	0	76	0	134	0	134	0	0	2	0	2	167	0	217	116	163	0	206	112	172	0	194	155	174	0	195	157	0	2	0	0	0	2
600	77	0	85	0	147	0	153	0	0	2	0	2	166	0	227	111	160	0	219	105	169	0	197	136	171	0	194	144	0	2	0	0	0	2
700	63	0	68	0	134	0	128	0	0	2	0	2	178	0	241	108	173	0	263	97	174	0	215	148	178	0	207	150	0	2	0	0	0	2
800	66	0	70	0	130	0	117	0	0	2	0	2	189	0	262	109	179	0	263	94	183	0	229	140	185	0	227	154	0	2	0	0	0	2
900	142	0	148	0	209	0	190	0	0	2	0	2	261	0	292	210	257	0	290	217	252	0	263	238	252	0	266	237	0	2	0	0	0	2
1000	171	0	165	0	228	0	207	0	0	2	0	2	258	0	292	211	250	0	289	220	248	0	270	219	247	0	261	220	0	2	0	0	0	2
1100	157	0	159	0	226	0	205	0	0	2	0	2	258	0	295	214	250	0	290	207	249	0	282	219	248	0	266	225	0	2	0	0	0	2
1200	155	0	0	2	202	0	0	2	0	2	0	2	254	0	226	282	0	2	0	0	235	0	219	260	0	2	0	0	0	2	0	0	0	2
1300	150	0	0	2	194	0	0	2	0	2	0	2	254	0	232	278	0	2	0	0	230	0	200	255	0	2	0	0	0	2	0	0	0	2
1400	138	0	0	2	188	0	0	2	0	2	0	2	240	0	206	268	0	2	0	0	232	0	215	255	0	2	0	0	0	2	0	0	0	2
1500	148	0	0	2	223	0	0	2	0	2	0	2	245	0	218	272	0	2	0	0	237	0	223	253	0	2	0	0	0	2	0	0	0	2
1600	163	0	0	2	202	0	0	2	0	2	0	2	250	0	221	274	0	2	0	0	244	0	227	256	0	2	0	0	0	2	0	0	0	2
1700	161	0	0	2	198	0	0	2	0	2	0	2	251	0	223	277	0	2	0	0	241	0	224	258	0	2	0	0	0	2	0	0	0	2
1800	163	0	0	2	98	0	0	2	0	2	0	2	260	0	236	284	0	2	0	0	205	0	193	228	0	2	0	0	0	2	0	0	0	2
1900	48	0	0	2	100	0	0	2	0	2	0	2	203	0	177	236	0	2	0	0	188	0	164	218	0	2	0	0	0	2	0	0	0	2
2000	57	0	0	2	130	0	0	2	0	2	0	2	211	0	169	240	0	2	0	0	196	0	177	221	0	2	0	0	0	2	0	0	0	2
2100	69	0	0	2	111	0	0	2	0	2	0	2	212	0	177	240	0	2	0	0	200	0	184	224	0	2	0	0	0	2	0	0	0	2
2200	75	0	0	2	148	0	0	2	0	2	0	2	202	0	167	241	0	2	0	0	209	0	185	230	0	2	0	0	0	2	0	0	0	2
2300	90	0	0	2	150	0	0	2	0	2	0	2	223	0	191	253	0	2	0	0	212	0	200	242	0	2	0	0	0	2	0	0	0	2
2400	82	0	0	2	144	0	0	2	0	2	0	2	231	0	197	258	0	2	0	0	223	0	206	239	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	220	0	220	0	213	0	213	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
200	225	0	224	0	220	0	220	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
300	238	0	238	0	233	0	233	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
400	249	0	249	0	243	0	243	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
500	258	0	258	0	252	0	252	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	6
600	260	0	258	0	252	0	252	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
700	261	0	261	0	256	0	252	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
800	261	0	261	0	258	0	254	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
900	204	0	204	0	195	0	193	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1000	173	0	171	0	162	0	162	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1100	144	0	144	0	137	0	134	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1200	108	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	115	6
1300	98	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	101	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	112	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	98	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	98	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	81	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	54	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	27	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	40	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	20	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	40	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	37	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	113	0	0	2	192	0	0	2	0	2	0	2	233	0	205	262	0	2	0	0	230	0	212	256	0	2	0	0	0	2	0	0	0	2
200	123	0	0	2	169	0	0	2	0	2	0	2	233	0	213	265	0	2	0	0	237	0	218	257	0	2	0	0	0	2	0	0	0	2
300	119	0	0	2	200	0	0	2	0	2	0	2	246	0	222	268	0	2	0	0	250	0	239	265	0	2	0	0	0	2	0	0	0	2
400	84	0	0	2	117	0	0	2	0	2	0	2	230	0	204	255	0	2	0	0	195	0	183	215	0	2	0	0	0	2	0	0	0	2
500	73	0	0	2	155	0	0	2	0	2	0	2	214	0	194	240	0	2	0	0	221	0	209	241	0	2	0	0	0	2	0	0	0	2
600	73	0	0	2	113	0	0	2	0	2	0	2	199	0	168	230	0	2	0	0	212	0	190	227	0	2	0	0	0	2	0	0	0	2
700	48	0	0	2	121	0	0	2	0	2	0	2	192	0	157	222	0	2	0	0	203	0	191	217	0	2	0	0	0	2	0	0	0	2
800	55	0	0	2	67	0	0	2	0	2	0	2	127	0	102	149	0	2	0	0	233	0	214	244	0	2	0	0	0	2	0	0	0	2
900	73	0	0	2	63	0	0	2	0	2	0	2	120	0	111	134	0	2	0	0	66	0	51	78	0	2	0	0	0	2	0	0	0	2
1000	63	0	0	2	88	0	0	2	0	2	0	2	114	0	100	128	0	2	0	0	73	0	64	80	0	2	0	0	0	2	0	0	0	2
1100	71	0	0	2	86	0	0	2	0	2	0	2	113	0	93	125	0	2	0	0	89	0	76	106	0	2	0	0	0	2	0	0	0	2
1200	192	0	0	2	40	0	0	2	0	2	0	2	132	0	120	146	0	2	0	0	113	0	89	132	0	2	0	0	0	2	0	0	0	2
1300	215	0	199	0	34	0	220	0	0	2	0	2	133	0	111	156	310	0	353	269	102	0	61	136	315	0	346	291	0	2	0	0	0	2
1400	215	0	181	0	53	0	171	0	0	2	0	2	77	0	60	97	304	0	329	279	41	0	10	76	311	0	329	267	0	2	0	0	0	2
1500	243	0	175	0	46	0	193	0	0	2	0	2	50	0	22	68	307	0	353	267	19	0	4	43	312	0	328	299	0	2	0	0	0	2
1600	221	0	0	2	261	0	0	2	0	2	0	2	329	0	304	353	0	2	0	0	318	0	308	332	0	2	0	0	0	2	0	0	0	2
1700	238	0	0	2	226	0	0	2	0	2	0	2	323	0	298	348	0	2	0	0	321	0	304	338	0	2	0	0	0	2	0	0	0	2
1800	177	0	0	2	190	0	0	2	0	2	0	2	313	0	291	344	0	2	0	0	320	0	311	336	0	2	0	0	0	2	0	0	0	2
1900	167	0	0	2	230	0	0	2	0	2	0	2	312	0	289	336	0	2	0	0	318	0	308	330	0	2	0	0	0	2	0	0	0	2
2000	195	0	200	0	246	0	250	0	0	2	0	2	304	0	322	277	295	0	319	262	302	0	313	290	299	0	308	285	0	2	0	0	0	2
2100	156	0	163	0	187	0	197	0	0	2	0	2	302	0	343	276	292	0	328	262	293	0	308	273	290	0	318	249	0	2	0	0	0	2
2200	160	0	167	0	190	0	200	0	0	2	0	2	299	0	334	265	290	0	352	256	290	0	311	255	288	0	300	251	0	2	0	0	0	2
2300	135	0	146	0	165	0	172	0	0	2	0	2	298	0	325	262	289	0	319	228	294	0	311	270	292	0	309	270	0	2	0	0	0	2
2400	131	0	136	0	157	0	166	0	0	2	0	2	296	0	337	260	287	0	326	233	289	0	310	254	288	0	307	257	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	54	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	115	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	118	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	122	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	47	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	74	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	75	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	101	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	115	0	0	2	0	2	0	2	0	2	0	2	61	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	142	0	0	2	0	2	0	2	0	2	0	2	24	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	133	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	322	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	301	0	220	0	211	0	211	0	320	2	320	2	-21	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
1400	260	0	216	0	207	0	207	0	320	2	320	2	-13	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
1500	228	0	213	0	206	0	204	0	320	2	320	2	-14	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
1600	193	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	6
1700	178	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	165	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	161	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	204	0	202	0	193	0	193	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
2100	197	0	197	0	188	0	188	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
2200	186	0	184	0	175	0	175	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
2300	180	0	179	0	170	0	170	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
24[illegible]	177	0	175	0	168	0	168	0	320	2	320	2	-7	0	-13	0	[illegible]	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	123	0	130	0	154	0	160	0	0	2	0	2	297	0	328	269	290	0	329	250	293	0	312	274	291	0	319	236	0	2	0	0	0	2
200	114	0	118	0	147	0	153	0	0	2	0	2	302	0	329	264	293	0	319	256	298	0	309	277	295	0	305	280	0	2	0	0	0	2
300	96	0	101	0	117	0	124	0	0	2	0	2	286	0	324	221	278	0	319	235	282	0	308	217	281	0	307	246	0	2	0	0	0	2
400	109	0	115	0	135	0	139	0	0	2	0	2	286	0	329	227	278	0	324	212	282	0	313	242	281	0	317	251	0	2	0	0	0	2
500	96	0	109	0	114	0	119	0	0	2	0	2	295	0	328	245	284	0	313	230	286	0	304	251	285	0	311	245	0	2	0	0	0	2
600	78	0	83	0	97	0	101	0	0	2	0	2	271	0	306	231	262	0	302	216	270	0	304	241	271	0	301	237	0	2	0	0	0	2
700	99	0	107	0	122	0	128	0	0	2	0	2	287	0	317	226	278	0	315	229	280	0	313	248	281	0	311	249	0	2	0	0	0	2
800	97	0	104	0	113	0	119	0	0	2	0	2	273	0	324	239	265	0	318	228	271	0	303	238	272	0	315	225	0	2	0	0	0	2
900	93	0	101	0	115	0	120	0	0	2	0	2	271	0	327	234	264	0	331	208	266	0	311	237	265	0	300	229	0	2	0	0	0	2
1000	72	0	68	0	96	0	91	0	0	2	0	2	232	0	282	180	226	0	269	138	212	0	252	169	215	0	251	173	0	2	0	0	0	2
1100	113	0	105	0	153	0	138	0	0	2	0	2	243	0	281	194	240	0	295	201	230	0	260	204	231	0	264	199	0	2	0	0	0	2
1200	112	0	105	0	151	0	138	0	0	2	0	2	245	0	283	210	240	0	273	211	232	0	259	212	232	0	256	197	0	2	0	0	0	2
1300	145	0	135	0	192	0	178	0	0	2	0	2	250	0	277	210	243	0	278	180	239	0	252	223	240	0	254	212	0	2	0	0	0	2
1400	139	0	136	0	180	0	165	0	0	2	0	2	254	0	298	217	249	0	284	194	245	0	261	227	244	0	267	197	0	2	0	0	0	2
1500	145	0	133	0	191	0	175	0	0	2	0	2	255	0	287	226	247	0	287	218	244	0	270	221	245	0	273	226	0	2	0	0	0	2
1600	127	0	129	0	165	0	155	0	0	2	0	2	263	0	304	215	256	0	296	218	253	0	287	230	253	0	277	233	0	2	0	0	0	2
1700	115	0	117	0	151	0	148	0	0	2	0	2	263	0	297	223	255	0	312	205	251	0	269	227	252	0	272	232	0	2	0	0	0	2
1800	128	0	132	0	163	0	168	0	0	2	0	2	264	0	306	209	258	0	285	214	256	0	273	224	256	0	277	231	0	2	0	0	0	2
1900	133	0	137	0	184	0	176	0	0	2	0	2	264	0	293	231	256	0	279	216	253	0	272	237	254	0	274	228	0	2	0	0	0	2
2000	88	0	85	0	132	0	124	0	0	2	0	2	252	0	303	194	244	0	308	183	242	0	276	202	243	0	274	210	0	2	0	0	0	2
2100	89	0	81	0	122	0	111	0	0	2	0	2	243	0	293	189	235	0	273	199	230	0	261	198	230	0	274	205	0	2	0	0	0	2
2200	95	0	89	0	138	0	129	0	0	2	0	2	245	0	289	204	238	0	277	194	236	0	256	194	238	0	267	204	0	2	0	0	0	2
2300	92	0	84	0	139	0	127	0	0	2	0	2	232	0	290	195	227	0	267	178	221	0	247	201	222	0	241	201	0	2	0	0	0	2
2400	103	0	92	0	148	0	132	0	0	2	0	2	238	0	276	210	229	0	267	188	227	0	250	206	227	0	247	205	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	173	0	171	0	162	0	162	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
200	164	0	162	0	155	0	153	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
300	155	0	153	0	146	0	146	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
400	152	0	152	0	143	0	143	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
500	146	0	144	0	137	0	139	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
600	146	0	144	0	139	0	139	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
700	148	0	146	0	139	0	141	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
800	143	0	141	0	134	0	134	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
900	141	0	139	0	134	0	132	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
1000	116	0	116	0	105	0	103	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	119	0
1100	123	0	123	0	114	0	112	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	6
1200	130	0	130	0	116	0	114	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
1300	144	0	144	0	134	0	134	0	320	2	320	2	-14	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
1400	159	0	161	0	152	0	144	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
1500	162	0	164	0	152	0	150	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
1600	164	0	166	0	155	0	150	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
1700	159	0	159	0	150	2	150	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
1800	168	0	166	0	159	0	159	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
1900	177	0	177	0	168	0	168	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
2000	157	0	155	0	153	0	153	0	320	2	320	2	2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
2100	161	0	159	0	152	0	152	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
2200	189	0	188	0	180	0	180	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
2300	171	0	170	0	164	0	162	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
2400	182	0	180	0	177	0	177	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	90	0	82	0	143	0	127	0	0	2	0	2	233	0	273	188	228	0	263	175	227	0	252	198	229	0	273	201	0	2	0	0	0	2
200	92	0	94	0	123	0	127	0	0	2	0	2	276	0	346	228	269	0	319	220	274	0	321	243	275	0	315	237	0	2	0	0	0	2
300	126	0	133	0	154	0	161	0	0	2	0	2	285	0	318	238	276	0	315	236	281	0	320	240	279	0	316	239	0	2	0	0	0	2
400	133	0	139	0	164	0	171	0	0	2	0	2	301	0	346	268	291	0	319	263	293	0	321	255	291	0	317	255	0	2	0	0	0	2
500	117	0	122	0	149	0	152	0	0	2	0	2	305	0	336	276	298	0	329	273	302	0	319	287	302	0	34	285	0	2	0	0	0	2
600	94	0	100	0	124	0	120	0	0	2	0	2	312	0	12	285	304	0	342	277	310	0	329	297	307	0	328	291	0	2	0	0	0	2
700	77	0	85	0	107	0	109	0	0	2	0	2	318	0	354	273	310	0	350	268	316	0	334	297	312	0	334	292	0	2	0	0	0	2
800	65	0	73	0	91	0	94	0	0	2	0	2	321	0	8	288	313	0	10	280	320	0	339	298	317	0	353	211	0	2	0	0	0	2
900	31	0	38	0	50	0	54	0	0	2	0	2	330	0	170	275	318	0	54	274	322	0	10	275	321	0	18	280	0	2	0	0	0	2
1000	27	0	35	0	37	0	38	0	0	2	0	2	339	3	53	282	330	0	26	286	347	0	59	315	345	0	67	312	0	2	0	0	0	2
1100	12	0	18	0	15	0	16	0	0	2	0	2	16	3	111	290	6	3	105	276	344	3	99	279	350	3	169	282	0	2	0	0	0	2
1200	21	0	27	0	27	0	31	0	0	2	0	2	333	3	56	277	327	3	50	272	327	0	22	307	324	0	31	300	0	2	0	0	0	2
1300	43	0	47	0	52	0	49	0	0	2	0	2	251	0	312	213	246	0	292	201	240	0	259	221	239	0	261	187	0	2	0	0	0	2
1400	24	0	30	0	27	0	30	0	0	2	0	2	272	0	318	226	269	3	346	226	254	0	314	200	255	0	320	182	0	2	0	0	0	2
1500	46	0	62	0	72	0	77	0	0	2	0	2	142	0	236	97	142	0	217	92	139	0	183	99	145	0	190	96	0	2	0	0	0	2
1600	61	0	69	0	86	0	88	0	0	2	0	2	148	0	198	120	147	0	201	110	143	0	168	114	151	0	172	126	0	2	0	0	0	2
1700	29	0	38	0	52	0	56	0	0	2	0	2	152	0	225	106	151	0	201	105	156	0	191	118	162	0	189	133	0	2	0	0	0	2
1800	33	0	45	0	74	0	76	0	0	2	0	2	135	0	158	113	134	0	161	116	138	0	153	122	145	0	167	125	0	2	0	0	0	2
1900	59	0	71	0	102	0	105	0	0	2	0	2	135	0	166	97	133	0	160	104	131	0	148	112	138	0	149	119	0	2	0	0	0	2
2000	76	0	86	0	112	0	119	0	0	2	0	2	129	0	153	106	127	0	160	98	126	0	146	106	133	0	153	115	0	2	0	0	0	2
2100	94	0	105	0	136	0	143	0	0	2	0	2	130	0	156	117	129	0	149	104	126	0	143	112	133	0	150	119	0	2	0	0	0	2
2200	84	0	102	0	153	0	153	0	0	2	0	2	137	0	165	114	136	0	156	93	136	0	150	118	142	0	158	126	0	2	0	0	0	2
2300	105	0	129	0	185	0	189	0	0	2	0	2	142	0	193	109	138	0	171	105	141	0	158	116	147	0	168	125	0	2	0	0	0	2
2400	105	0	125	0	195	0	197	0	0	2	0	2	142	0	185	115	141	0	167	111	142	0	154	129	148	0	161	133	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	189	0	188	0	186	0	186	0	320	2	320	2	2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
200	224	0	220	0	222	0	222	0	320	2	320	2	2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
300	238	0	236	0	229	0	229	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
400	233	0	231	0	224	0	224	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
500	231	0	229	0	222	0	220	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
600	229	0	229	0	222	0	220	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
700	231	0	229	0	222	0	222	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
800	234	0	233	0	225	0	225	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
900	238	0	238	0	231	0	231	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
1000	251	0	251	0	245	0	240	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	118	0
1100	274	0	270	0	272	0	261	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1200	260	0	260	0	251	0	249	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1300	276	0	278	0	270	0	263	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1400	278	0	278	0	274	0	269	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1500	283	0	281	0	265	0	261	0	320	2	320	2	-20	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1600	279	0	279	0	269	0	263	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	6
1700	261	0	260	0	252	0	252	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1800	251	0	251	0	247	0	247	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1900	243	0	243	0	238	0	240	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	6
2000	240	0	238	0	236	0	236	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
2100	238	0	238	0	234	0	234	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	6
2200	243	0	242	0	238	0	238	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
2300	245	0	245	0	240	0	240	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	243	0	243	0	240	0	242	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	6

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	99	0	118	0	183	0	185	0	0	2	0	2	140	0	174	98	140	0	160	122	143	0	159	128	149	0	164	134	0	2	0	0	0	2
200	118	0	134	0	190	0	192	0	0	2	0	2	140	0	168	117	137	0	174	111	142	0	163	129	148	0	159	139	0	2	0	0	0	2
300	120	0	140	0	194	0	194	0	0	2	0	2	134	0	155	114	132	0	152	114	135	0	145	122	142	0	155	126	0	2	0	0	0	2
400	126	0	143	0	204	0	203	0	0	2	0	2	132	0	168	115	132	0	149	112	134	0	147	121	140	0	149	127	0	2	0	0	0	2
500	104	0	117	0	188	0	188	0	0	2	0	2	141	0	177	121	140	0	180	116	141	0	160	128	146	0	167	127	0	2	0	0	0	2
600	96	0	111	0	170	0	176	0	0	2	0	2	140	0	174	109	137	0	167	109	144	0	159	130	149	0	162	135	0	2	0	0	0	2
700	102	0	117	0	189	0	193	0	0	2	0	2	139	0	168	112	137	0	178	105	141	0	157	124	148	0	160	132	0	2	0	0	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
900	84	0	85	0	142	0	131	0	0	2	0	2	208	0	262	124	204	0	269	114	194	0	221	153	196	0	220	157	0	2	0	0	0	2
1000	72	0	75	0	120	0	107	0	0	2	0	2	199	0	251	119	196	0	263	116	190	0	225	147	194	0	225	128	0	2	0	0	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1500	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	81	0	80	0	143	0	130	0	0	2	0	2	204	0	260	151	200	0	258	120	189	0	216	141	194	0	225	155	0	2	0	0	0	2
1700	71	0	76	0	144	0	127	0	0	2	0	2	196	0	236	147	189	0	237	137	188	0	225	158	190	0	219	173	0	2	0	0	0	2
1800	83	0	81	0	159	0	141	0	0	2	0	2	203	0	263	139	199	0	244	133	193	0	218	167	194	0	215	161	0	2	0	0	0	2
1900	87	0	90	0	175	0	156	0	0	2	0	2	196	0	260	129	189	0	249	131	188	0	208	172	190	0	205	176	0	2	0	0	0	2
2000	114	0	108	0	195	0	170	0	0	2	0	2	209	0	262	148	204	0	257	126	196	0	218	144	198	0	222	161	0	2	0	0	0	2
2100	117	0	113	0	195	0	173	0	0	2	0	2	210	0	269	107	205	0	261	127	195	0	220	132	199	0	229	178	0	2	0	0	0	2
2200	132	0	120	0	208	0	183	0	0	2	0	2	213	0	265	153	209	0	267	161	203	0	229	172	205	0	229	170	0	2	0	0	0	2
2300	135	0	120	0	197	0	177	0	0	2	0	2	224	0	268	149	220	0	281	180	211	0	240	168	212	0	241	173	0	2	0	0	0	2
2400	171	0	152	0	237	0	205	0	0	2	0	2	231	0	355	182	221	0	267	144	213	0	240	178	214	0	238	182	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	251	0	251	0	249	0	249	0	320	2	320	2	2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
200	258	0	256	0	254	0	254	0	320	2	320	2	2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
300	252	0	252	0	256	0	256	0	320	2	320	2	5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	6
400	256	0	254	0	254	0	254	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
500	252	0	252	0	254	0	254	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
600	256	0	256	0	256	0	256	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
700	252	0	251	0	252	0	252	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	6
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	121	6
900	491	0	491	0	473	0	468	0	320	2	320	2	-23	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1000	487	0	487	0	475	0	471	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	6
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	121	6
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	480	0	478	0	468	0	466	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1700	459	0	457	0	453	0	453	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1800	453	0	451	0	459	0	457	0	320	2	320	2	5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1900	442	0	442	0	446	0	446	0	320	2	320	2	5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
2000	448	0	446	0	451	0	451	0	320	2	320	2	7	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
2100	457	0	453	0	459	0	457	0	320	2	320	2	4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
2200	466	0	464	0	466	0	464	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	6
2300	473	0	471	0	473	0	471	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
2400	434	0	482	0	480	0	480	0	320	2	320	2	0	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	175	0	156	0	225	0	199	0	0	2	0	2	228	0	267	174	221	0	268	173	215	0	246	190	215	0	249	185	0	2	0	0	0	2
200	170	0	144	0	235	0	206	0	0	2	0	2	229	0	267	158	221	0	256	184	216	0	245	193	216	0	245	189	0	2	0	0	0	2
300	140	0	126	0	216	0	193	0	0	2	0	2	234	0	290	191	224	0	268	169	211	0	249	181	212	0	238	181	0	2	0	0	0	2
400	162	0	139	0	238	0	205	0	0	2	0	2	228	0	277	191	224	0	301	184	212	0	237	189	213	0	250	184	0	2	0	0	0	2
500	179	0	164	0	252	0	217	0	0	2	0	2	226	0	284	186	223	0	267	172	211	0	245	181	212	0	237	178	0	2	0	0	0	2
600	182	0	162	0	250	0	220	0	0	2	0	2	227	0	273	181	220	0	268	174	215	0	246	193	215	0	241	193	0	2	0	0	0	2
700	167	0	151	0	253	0	227	0	0	2	0	2	233	0	288	187	224	0	268	172	213	0	238	177	216	0	250	186	0	2	0	0	0	2
800	175	0	156	0	249	0	219	0	0	2	0	2	229	0	263	155	221	0	267	168	214	0	262	180	216	0	244	186	0	2	0	0	0	2
900	176	0	155	0	239	0	211	0	0	2	0	2	228	0	267	177	221	0	267	138	214	0	241	183	215	0	241	184	0	2	0	0	0	2
1000	177	0	162	0	246	0	226	0	0	2	0	2	231	0	276	184	226	0	269	178	217	0	239	174	219	0	253	185	0	2	0	0	0	2
1100	178	0	159	0	243	0	216	0	0	2	0	2	231	0	260	173	228	0	269	174	218	0	243	189	219	0	245	200	0	2	0	0	0	2
1200	159	0	140	0	239	0	212	0	0	2	0	2	234	0	290	189	228	0	272	188	220	0	282	189	220	0	263	182	0	2	0	0	0	2
1300	166	0	149	0	244	0	216	0	0	2	0	2	234	0	265	158	226	0	263	167	215	0	239	183	217	0	238	194	0	2	0	0	0	2
1400	123	0	111	0	184	0	163	0	0	2	0	2	224	0	267	149	215	0	267	141	208	0	238	181	209	0	240	184	0	2	0	0	0	2
1500	128	0	114	0	180	0	159	0	0	2	0	2	221	0	263	170	218	0	266	166	209	0	231	186	211	0	230	189	0	2	0	0	0	2
1600	162	0	138	0	204	0	176	0	0	2	0	2	227	0	285	181	219	0	267	179	213	0	254	178	215	0	248	181	0	2	0	0	0	2
1700	160	0	141	0	216	0	191	0	0	2	0	2	222	0	262	136	216	0	264	156	205	0	233	153	207	0	235	155	0	2	0	0	0	2
1800	182	0	162	0	244	0	208	0	0	2	0	2	225	0	267	190	215	0	247	164	206	0	234	174	209	0	250	185	0	2	0	0	0	2
1900	174	0	159	0	248	0	215	0	0	2	0	2	225	0	286	182	220	0	309	181	207	0	229	174	209	0	236	188	0	2	0	0	0	2
2000	160	0	146	0	229	0	198	0	0	2	0	2	225	0	279	181	216	0	268	165	208	0	240	171	209	0	240	174	0	2	0	0	0	2
2100	158	0	144	0	252	0	217	0	0	2	0	2	209	0	260	150	202	0	267	121	198	0	224	172	202	0	225	178	0	2	0	0	0	2
2200	141	0	138	0	230	0	198	0	0	2	0	2	211	0	264	155	208	0	266	150	198	0	239	167	201	0	233	167	0	2	0	0	0	2
2300	127	0	123	0	226	0	197	0	0	2	0	2	214	0	255	150	210	0	266	128	199	0	226	168	202	0	229	179	0	2	0	0	0	2
2400	126	0	114	0	211	0	188	0	0	2	0	2	227	0	294	181	209	0	263	137	201	0	244	158	203	0	235	161	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	480	0	477	0	477	0	475	0	320	2	320	2	2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
200	471	0	469	0	469	0	469	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
300	480	0	478	0	477	0	475	0	320	2	320	2	2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
400	486	0	482	0	482	0	480	0	320	2	320	2	2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
500	486	0	484	0	482	0	480	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
600	487	0	484	0	482	0	480	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
700	489	0	486	0	484	0	482	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
800	491	0	491	0	489	0	487	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
900	500	0	498	0	493	0	491	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1000	500	0	498	0	493	0	491	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1100	505	0	505	0	502	0	498	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1200	518	0	520	0	514	0	509	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	6
1300	522	0	520	0	514	0	513	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1400	529	0	529	0	522	0	520	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1500	527	0	527	0	522	0	520	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1600	534	0	532	0	527	0	527	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1700	541	0	540	0	534	0	532	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	6
1800	538	0	536	0	532	0	531	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1900	532	0	531	0	525	0	525	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
2000	536	0	534	0	532	0	529	0	320	2	320	2	-4	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
2100	534	0	532	0	527	0	527	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
2200	531	0	529	0	525	0	525	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
2300	531	0	529	0	525	0	525	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
2400	532	0	531	0	527	0	527	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	155	0	142	0	236	0	203	0	0	2	0	2	226	0	290	190	218	0	268	140	205	0	231	177	208	0	235	178	0	2	0	0	0	2
200	175	0	159	0	256	0	217	0	0	2	0	2	225	0	267	158	215	0	269	177	210	0	242	174	211	0	237	184	0	2	0	0	0	2
300	169	0	152	0	253	0	223	0	0	2	0	2	225	0	269	175	224	0	268	158	212	0	247	188	213	0	261	185	0	2	0	0	0	2
400	138	0	124	0	194	0	172	0	0	2	0	2	232	0	286	181	226	0	348	181	210	0	239	164	213	0	235	167	0	2	0	0	0	2
500	134	0	121	0	198	0	180	0	0	2	0	2	225	0	268	160	221	0	263	133	207	0	239	154	208	0	245	157	0	2	0	0	0	2
600	115	0	110	0	201	0	177	0	0	2	0	2	204	0	260	144	203	0	261	136	194	0	224	160	197	0	221	165	0	2	0	0	0	2
700	116	0	104	0	210	0	183	0	0	2	0	2	213	0	256	146	210	0	261	115	198	0	225	162	200	0	233	156	0	2	0	0	0	2
800	132	0	128	0	201	0	177	0	0	2	0	2	213	0	268	125	209	0	257	142	206	0	249	172	206	0	225	178	0	2	0	0	0	2
900	148	0	133	0	212	0	187	0	0	2	0	2	219	0	263	161	212	0	260	119	205	0	239	172	205	0	245	178	0	2	0	0	0	2
1000	147	0	137	0	228	0	199	0	0	2	0	2	222	0	266	174	216	0	264	167	205	0	229	173	207	0	224	180	0	2	0	0	0	2
1100	131	0	120	0	202	0	177	0	0	2	0	2	219	0	260	146	215	0	268	175	204	0	220	175	204	0	226	182	0	2	0	0	0	2
1200	166	0	145	0	229	0	206	0	0	2	0	2	226	0	268	160	222	0	266	102	217	0	241	175	216	0	246	191	0	2	0	0	0	2
1300	151	0	132	0	240	0	210	0	0	2	0	2	241	0	283	205	234	0	287	190	230	0	264	202	231	0	262	205	0	2	0	0	0	2
1400	178	0	154	0	277	0	241	0	0	2	0	2	242	0	271	210	235	0	272	207	235	0	246	221	233	0	252	217	0	2	0	0	0	2
1500	192	0	173	0	304	0	290	0	0	2	0	2	248	0	288	197	241	0	272	211	244	0	252	234	242	0	255	229	0	2	0	0	0	2
1600	157	0	142	0	288	0	229	0	0	2	0	2	252	0	276	222	244	0	267	218	255	0	259	252	253	0	258	250	0	2	0	0	0	2
1700	85	0	95	0	150	0	146	0	0	2	0	2	312	0	340	281	302	0	324	279	312	0	319	308	310	0	318	306	0	2	0	0	0	2
1800	74	0	84	0	134	0	138	0	0	2	0	2	344	0	13	298	335	0	9	301	335	0	342	324	333	0	346	322	0	2	0	0	0	2
1900	86	0	91	0	142	0	151	0	0	2	0	2	326	0	359	292	315	0	346	284	324	0	335	315	321	0	330	313	0	2	0	0	0	2
2000	71	0	81	0	131	0	135	0	0	2	0	2	332	0	19	298	321	0	348	284	330	0	332	327	328	0	333	325	0	2	0	0	0	2
2100	54	0	62	0	90	0	95	0	0	2	0	2	331	0	7	294	319	0	346	276	330	0	336	319	328	0	334	322	0	2	0	0	0	2
2200	56	0	63	0	79	0	84	0	0	2	0	2	303	0	326	283	293	0	325	267	311	0	319	294	308	0	337	217	0	2	0	0	0	2
2300	64	0	70	0	118	0	126	0	0	2	0	2	315	0	354	278	305	0	340	268	320	0	326	311	318	0	325	312	0	2	0	0	0	2
2400	47	0	53	0	84	0	85	0	0	2	0	2	28	0	63	336	22	0	61	341	5	0	27	336	8	0	31	330	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	545	0	543	0	538	0	538	0	320	2	320	2	-4	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	119	6
200	552	0	550	0	545	0	545	0	320	2	320	2	-4	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
300	545	0	541	0	543	0	543	0	320	2	320	2	4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
400	538	0	536	0	531	0	531	0	320	2	320	2	-4	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
500	541	0	540	0	534	0	534	0	320	2	320	2	-4	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	6
600	504	0	500	0	500	0	500	0	320	2	320	2	2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	125	0
700	496	0	495	0	493	0	493	0	320	2	320	2	0	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	132	0
800	496	0	493	0	493	0	493	0	320	2	320	2	2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
900	507	0	504	0	504	0	504	0	320	2	320	2	2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	143	0
1000	514	0	513	0	513	0	511	0	320	2	320	2	0	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	146	0
1100	514	0	513	0	511	0	511	0	320	2	320	2	2	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1200	527	0	523	0	522	0	520	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1300	500	0	498	0	500	0	498	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1400	496	0	484	0	509	0	507	0	320	2	320	2	25	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1500	468	0	464	0	505	0	504	0	320	2	320	2	40	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1600	432	0	433	0	493	0	491	0	320	2	320	2	59	0	52	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1700	392	0	394	0	406	0	405	0	320	2	320	2	13	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1800	372	0	370	0	370	0	370	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1900	365	0	363	0	365	0	365	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
2000	361	0	360	0	363	0	363	0	320	2	320	2	4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
2100	363	0	361	0	363	0	363	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
2200	356	0	354	0	360	0	360	0	320	2	320	2	5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
2300	354	0	354	0	354	0	354	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
2400	356	0	354	0	352	0	351	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	51	0	53	0	85	0	85	0	0	2	0	2	25	0	176	311	13	0	65	312	2	0	36	338	4	0	31	339	0	2	0	0	0	2
200	82	0	89	0	117	0	114	0	0	2	0	2	33	0	56	359	27	0	56	348	15	0	52	348	17	0	55	349	0	2	0	0	0	2
300	68	0	76	0	98	0	98	0	0	2	0	2	41	0	75	12	34	0	71	347	21	0	46	358	24	0	58	356	0	2	0	0	0	2
400	121	0	121	0	144	0	143	0	0	2	0	2	38	0	80	8	33	0	56	9	26	0	53	7	30	0	74	14	0	2	0	0	0	2
500	85	0	90	0	99	0	102	0	0	2	0	2	43	0	81	16	38	0	78	9	32	0	56	11	36	0	55	8	0	2	0	0	0	2
600	57	0	65	0	78	0	82	0	0	2	0	2	80	0	122	37	77	0	139	34	62	0	91	41	67	0	92	47	0	2	0	0	0	2
700	32	0	38	0	48	0	51	0	0	2	0	2	82	0	120	47	77	0	118	43	67	0	85	46	72	0	92	48	0	2	0	0	0	2
800	26	0	35	0	42	0	48	0	0	2	0	2	73	3	106	48	68	0	99	42	60	0	82	39	66	0	86	48	0	2	0	0	0	2
900	45	0	57	0	62	0	66	0	0	2	0	2	72	0	108	18	63	0	106	287	63	0	83	39	68	0	87	45	0	2	0	0	0	2
1000	34	0	47	0	48	0	54	0	0	2	0	2	52	0	90	19	43	0	84	278	37	0	61	20	42	0	68	18	0	2	0	0	0	2
1100	37	0	45	0	52	0	57	0	0	2	0	2	81	0	140	37	76	0	150	8	61	0	91	23	69	0	107	31	0	2	0	0	0	2
1200	35	0	45	0	37	0	46	0	0	2	0	2	51	0	92	22	47	0	84	16	49	0	67	21	55	0	75	18	0	2	0	0	0	2
1300	67	0	73	0	89	0	90	0	0	2	0	2	33	0	66	349	26	0	60	340	11	0	47	341	13	0	46	340	0	2	0	0	0	2
1400	69	0	76	0	80	0	80	0	0	2	0	2	38	0	167	3	27	0	56	348	12	0	43	343	14	0	48	341	0	2	0	0	0	2
1500	50	0	57	0	77	0	79	0	0	2	0	2	11	0	53	308	1	0	55	295	0	0	35	317	3	0	171	310	0	2	0	0	0	2
1600	125	0	131	0	37	2	158	0	0	2	0	2	35	0	82	357	30	0	84	358	20	0	44	354	25	0	54	359	0	2	0	0	0	2
1700	81	0	113	0	89	2	136	0	0	2	0	2	51	0	83	26	45	0	84	5	38	0	99	8	41	0	61	18	0	2	0	0	0	2
1800	73	0	81	0	102	0	93	0	0	2	0	2	40	0	17	62	50	0	82	10	29	0	2	55	43	0	74	7	0	2	0	0	0	2
1900	96	0	73	0	105	0	89	0	0	2	0	2	51	0	34	65	48	0	79	15	31	0	10	48	40	0	62	9	0	2	0	0	0	2
2000	92	0	80	0	84	0	90	0	0	2	0	2	46	0	30	60	45	0	78	15	37	0	23	65	38	0	84	10	0	2	0	0	0	2
2100	82	0	59	0	121	0	95	0	0	2	0	2	53	0	31	70	50	0	88	26	28	0	6	39	46	0	77	26	0	2	0	0	0	2
2200	78	0	68	0	105	0	100	0	0	2	0	2	48	0	26	68	35	0	73	358	31	0	15	43	30	0	72	358	0	2	0	0	0	2
2300	42	0	101	0	121	0	127	0	0	2	0	2	39	0	16	56	37	0	88	11	31	0	14	47	34	0	68	11	0	2	0	0	0	2
2400	90	0	76	0	96	0	98	0	0	2	0	2	42	0	21	61	42	0	82	7	32	0	10	51	34	0	58	6	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	354	0	354	0	351	0	349	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
200	345	0	345	0	336	0	336	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
300	347	0	347	0	340	0	340	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
400	340	0	338	0	331	0	331	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
500	340	0	338	0	333	0	331	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
600	338	0	336	0	331	0	331	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
700	336	0	336	0	331	0	331	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
800	336	0	336	0	331	0	331	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
900	340	0	342	0	336	0	331	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1000	334	0	334	0	324	0	324	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1100	344	0	336	0	327	0	325	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	158	0
1200	331	0	329	0	325	0	324	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	6
1300	320	0	322	0	312	0	310	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
1400	324	0	324	0	315	0	315	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
1500	325	0	325	0	322	0	322	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
1600	312	0	312	0	306	0	308	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
1700	306	0	305	0	299	0	297	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
1800	292	0	299	0	294	0	294	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
1900	278	0	294	0	287	0	287	0	320	2	320	2	-7	0	-15	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
2000	292	0	287	0	279	0	279	0	320	2	320	2	-7	0	-15	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
2100	271	0	279	0	272	0	270	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
2200	282	0	274	0	267	0	267	0	320	2	320	2	-7	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
2300	265	0	272	0	261	0	260	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	287	0	270	0	258	0	258	0	320	2	320	2	-11	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

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

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 50 A	S	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	71	0	68	0	140	0	105	0	0	2	0	2	51	0	25	73	36	0	71	1	13	0	357	31	30	0	58	348	0	2	0	0	0	2
200	88	0	103	0	132	0	126	0	0	2	0	2	49	0	29	73	33	0	61	358	28	0	6	51	27	0	51	4	0	2	0	0	0	2
300	119	0	0	2	144	0	130	0	0	2	0	2	47	0	20	67	34	3	67	358	28	0	11	56	34	0	126	13	0	2	0	0	0	2
400	0	2	0	2	142	0	126	0	0	2	0	2	50	0	19	74	44	3	88	12	32	0	19	56	38	0	66	15	0	2	0	0	0	2
500	0	2	0	2	119	0	114	0	0	2	0	2	48	0	32	70	49	3	110	16	35	0	15	62	38	0	82	7	0	2	0	0	0	2
600	0	2	0	2	123	0	121	0	0	2	0	2	47	0	20	67	49	3	101	16	47	0	28	65	42	0	81	16	0	2	0	0	0	2
700	0	2	0	2	121	0	115	0	0	2	0	2	67	0	40	89	58	3	84	21	49	0	30	70	52	0	82	13	0	2	0	0	0	2
800	0	2	0	2	144	0	118	0	0	2	0	2	66	0	44	88	55	3	89	281	59	0	40	74	53	0	87	24	0	2	0	0	0	2
900	0	2	5	2	148	0	116	0	0	2	0	2	68	0	44	88	47	3	94	272	53	0	39	73	52	0	92	25	0	2	0	0	0	2
1000	0	2	0	2	136	0	103	0	0	2	0	2	55	0	26	75	76	3	105	40	51	0	28	70	69	0	96	37	0	2	0	0	0	2
1100	0	2	0	2	136	0	117	0	0	2	0	2	67	0	46	87	69	3	106	27	49	0	24	65	60	0	80	37	0	2	0	0	0	2
1200	0	2	0	2	142	0	103	0	0	2	0	2	60	0	40	84	50	3	90	2	66	0	50	76	49	0	88	14	0	2	0	0	0	2
1300	0	2	0	2	113	0	113	0	0	2	0	2	41	0	23	64	77	3	148	33	80	0	60	92	70	0	95	49	0	2	0	0	0	2
1400	0	2	0	2	119	0	98	0	0	2	0	2	67	0	44	92	83	3	118	38	75	0	61	86	75	0	100	46	0	2	0	0	0	2
1500	0	2	0	2	100	0	88	0	0	2	0	2	78	0	57	101	77	3	112	48	69	0	52	82	72	0	102	44	0	2	0	0	0	2
1600	0	2	0	2	94	0	92	0	0	2	0	2	58	0	35	76	93	3	135	53	86	0	68	101	89	0	119	62	0	2	0	0	0	2
1700	0	2	0	2	96	0	97	0	0	2	0	2	86	0	62	112	92	3	135	67	77	0	56	95	84	0	109	68	0	2	0	0	0	2
1800	0	2	0	2	77	0	80	0	0	2	0	2	85	0	59	106	78	3	111	44	52	0	42	75	67	0	88	41	0	2	0	0	0	2
1900	0	2	0	2	65	0	60	0	0	2	0	2	80	0	62	100	83	3	111	60	59	0	51	76	79	0	97	60	0	2	0	0	0	2
2000	0	2	0	2	88	0	86	0	0	2	0	2	79	0	64	98	103	3	129	60	92	0	74	107	102	0	128	79	0	2	0	0	0	2
2100	0	2	0	2	96	0	102	0	0	2	0	2	104	0	87	125	94	3	123	67	83	0	66	100	91	0	117	71	0	2	0	0	0	2
2200	0	2	0	2	119	0	103	0	0	2	0	2	97	0	74	112	94	3	123	69	92	0	78	105	91	0	107	77	0	2	0	0	0	2
2300	0	2	0	2	84	0	88	0	0	2	0	2	110	0	88	133	96	3	139	60	87	0	79	103	90	0	108	68	0	2	0	0	0	2
2400	0	2	0	2	127	0	119	0	0	2	0	2	93	0	78	112	106	3	130	77	100	0	87	114	103	0	126	85	0	2	0	0	0	2

HOUR	AM2 TEM1 30 A	S	AM2 TEM2 30 B	S	AMB TEM3 180A	S	AM3 TEM4 180B	S	AMB TEM5	S	AMB TEMP6	S	D T 1 180A	S	D T 2 180B	S	D T 3	S	D T 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	261	0	265	0	254	0	254	0	320	2	320	2	-9	0	-15	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
200	251	0	267	0	256	0	256	0	320	2	320	2	-11	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
300	241	0	256	0	245	0	245	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
400	241	0	247	0	236	0	238	0	320	2	320	2	-9	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
500	237	0	238	0	227	0	227	0	320	2	320	2	-9	0	-8	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
600	203	0	229	0	211	0	211	0	320	2	320	2	-9	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
700	227	0	211	0	200	0	200	0	320	2	320	2	-9	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
800	214	0	200	0	189	0	189	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
900	224	0	200	0	191	0	188	0	320	2	320	2	-11	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
1000	224	0	200	0	189	0	188	0	320	2	320	2	-11	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
1100	227	0	202	0	189	0	188	0	320	2	320	2	-13	0	-12	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
1200	193	0	216	0	204	0	202	0	320	2	320	2	-13	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
1300	210	0	216	0	200	0	197	0	320	2	320	2	-18	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
1400	241	0	222	0	209	0	206	0	320	2	320	2	-14	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
1500	220	0	225	0	213	0	211	0	320	2	320	2	-14	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
1600	197	0	222	0	209	0	207	0	320	2	320	2	-13	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	151	0
1700	197	0	213	0	202	0	204	0	320	2	320	2	-9	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
1800	197	0	207	0	198	0	198	0	320	2	320	2	-7	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	158	0
1900	207	0	204	0	195	0	197	0	320	2	320	2	-5	0	-6	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	6
2000	200	0	204	0	197	0	197	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
2100	190	0	195	0	189	0	189	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
2200	173	0	184	0	177	0	179	0	320	2	320	2	-5	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
2300	166	0	175	0	168	0	168	0	320	2	320	2	-7	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
2400	133	0	179	0	170	0	170	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	153	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	0	2	0	2	130	0	124	0	0	2	0	2	114	0	95	134	115	3	145	82	104	0	91	113	109	0	125	88	0	2	0	0	0	2
200	0	2	0	2	88	0	78	0	0	2	0	2	128	0	104	146	114	3	150	67	101	0	89	110	110	0	137	79	0	2	0	0	0	2
300	0	2	0	2	92	0	92	0	0	2	0	2	121	0	96	141	126	0	141	107	123	0	119	131	129	0	139	116	0	2	0	0	0	2
400	0	2	0	2	27	0	29	0	0	2	0	2	137	0	114	160	59	3	88	36	78	0	75	85	88	0	108	71	0	2	0	0	0	2
500	0	2	0	2	42	0	42	0	0	2	0	2	88	0	80	101	80	3	112	50	65	0	58	74	82	0	102	60	0	2	0	0	0	2
600	0	2	0	2	46	0	49	0	0	2	0	2	83	0	65	101	90	3	122	60	82	0	71	96	95	0	122	71	0	2	0	0	0	2
700	0	2	0	2	55	0	57	0	0	2	0	2	112	0	85	137	102	3	129	71	88	0	79	100	97	0	122	81	0	2	0	0	0	2
800	0	2	0	2	63	0	63	0	0	2	0	2	112	0	92	137	127	3	273	95	115	0	110	125	125	0	147	111	0	2	0	0	0	2
900	0	2	0	2	59	0	61	0	0	2	0	2	124	0	107	142	111	3	135	78	104	0	96	113	107	0	145	85	0	2	0	0	0	2
1000	0	2	7	2	65	0	54	0	0	2	0	2	113	0	89	136	97	3	150	65	87	0	64	107	88	0	113	38	0	2	0	0	0	2
1100	47	0	47	0	52	0	52	0	0	2	0	2	113	0	85	137	110	0	150	59	102	0	86	116	107	0	154	79	0	2	0	0	0	2
1200	35	0	35	0	27	0	35	0	0	2	0	2	91	0	59	111	61	0	105	16	85	0	48	119	61	0	139	24	0	2	0	0	0	2
1300	56	0	56	0	73	0	61	0	0	2	0	2	42	0	11	66	336	0	41	286	335	0	317	355	339	0	75	314	0	2	0	0	0	2
1400	64	0	64	0	75	0	70	0	0	2	0	2	358	0	322	29	34	0	88	351	23	0	12	40	31	0	73	6	0	2	0	0	0	2
1500	94	0	94	0	123	0	105	0	0	2	0	2	41	0	23	64	36	0	77	277	33	0	17	50	35	0	59	0	0	2	0	0	0	2
1600	83	0	83	0	127	0	93	0	0	2	0	2	37	0	11	61	33	0	78	358	26	0	13	52	31	0	68	346	0	2	0	0	0	2
1700	0	2	0	2	96	0	95	0	0	2	0	2	49	0	23	69	67	3	122	38	57	0	34	79	60	0	83	36	0	2	0	0	0	2
1800	0	2	0	2	67	0	68	0	0	2	0	2	71	0	50	89	85	3	117	44	73	0	55	86	76	0	97	60	0	2	0	0	0	2
1900	0	2	0	2	36	0	42	0	0	2	0	2	77	0	39	96	93	3	141	61	84	0	67	95	85	0	108	63	0	2	0	0	0	2
2000	0	2	0	2	84	0	85	0	0	2	0	2	85	0	52	107	84	3	125	56	73	0	53	91	74	0	103	49	0	2	0	0	0	2
2100	0	2	0	2	67	0	65	0	0	2	0	2	87	0	68	106	94	3	134	76	78	0	71	94	83	0	101	64	0	2	0	0	0	2
2200	0	2	0	2	67	0	57	0	0	2	0	2	86	0	64	104	81	3	105	54	70	0	55	83	70	0	88	49	0	2	0	0	0	2
2300	0	2	0	2	90	0	70	0	0	2	0	2	101	0	80	118	99	3	132	68	79	0	69	92	86	0	120	63	0	2	0	0	0	2
2400	0	2	0	2	65	0	45	0	0	2	0	2	84	0	67	97	82	3	107	60	64	0	44	78	67	0	91	45	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	193	0	184	0	175	0	175	0	320	2	320	2	-9	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	6
200	203	0	193	0	186	0	184	0	320	2	320	2	-7	0	-6	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
300	220	0	202	0	195	0	195	0	320	2	320	2	-7	0	-12	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
400	220	0	178	0	197	0	197	0	320	2	320	2	2	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
500	177	0	211	0	206	0	206	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
600	203	0	216	0	211	0	211	0	320	2	320	2	-5	0	-3	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
700	224	0	225	0	216	0	216	0	320	2	320	2	-7	0	-12	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
800	217	0	227	0	220	0	218	0	320	2	320	2	-7	0	-6	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
900	224	0	231	0	224	0	224	0	320	2	320	2	-7	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
1000	231	0	249	0	242	0	233	0	320	2	320	2	-9	0	-15	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
1100	258	0	252	0	245	0	242	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
1200	298	0	274	0	265	0	260	0	320	2	320	2	-13	0	6	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
1300	231	0	265	0	256	0	251	0	320	2	320	2	-7	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	154	0
1400	248	0	251	0	242	0	240	0	320	2	320	2	-7	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
1500	251	0	247	0	238	0	238	0	320	2	320	2	-7	0	-3	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
1600	238	0	245	0	236	0	238	0	320	2	320	2	-7	0	-6	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
1700	227	0	233	0	224	0	224	0	320	2	320	2	-9	0	-8	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
1800	224	0	220	0	213	0	213	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
1900	227	0	218	0	213	0	211	0	320	2	320	2	-5	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
2000	207	0	218	0	211	0	211	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
2100	217	0	215	0	207	0	207	0	320	2	320	2	-5	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
2200	193	0	215	0	211	0	209	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
2300	220	0	215	0	207	0	207	0	320	2	320	2	-7	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
2400	224	0	216	0	211	0	209	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	17	0	17	0	48	0	46	0	0	2	0	2	88	0	69	103	65	3	112	4	42	0	25	56	53	0	77	24	0	2	0	0	0	2
200	0	2	0	2	65	0	65	0	0	2	0	2	101	0	84	123	91	3	116	15	61	0	46	79	64	0	94	29	0	2	0	0	0	2
300	0	2	0	2	130	0	123	0	0	2	0	2	87	0	51	111	39	3	88	8	29	0	15	46	31	0	63	352	0	2	0	0	0	2
400	0	2	0	2	178	0	154	0	0	2	0	2	44	0	17	65	34	3	67	338	20	0	359	49	29	0	52	344	0	2	0	0	0	2
500	0	2	0	2	123	0	104	0	0	2	0	2	46	0	16	71	58	3	78	22	49	0	28	69	55	0	73	26	0	2	0	0	0	2
600	0	2	0	2	105	0	99	0	0	2	0	2	69	0	48	92	65	3	90	27	52	0	31	75	59	0	83	29	0	2	0	0	0	2
700	0	2	0	2	109	0	113	0	0	2	0	2	73	0	49	91	72	3	105	20	62	0	48	78	65	0	85	48	0	2	0	0	0	2
800	0	2	0	2	121	0	109	0	0	2	0	2	82	0	61	100	72	3	100	44	56	0	44	74	64	0	86	51	0	2	0	0	0	2
900	0	2	0	2	103	0	95	0	0	2	0	2	80	0	60	98	78	3	110	49	64	0	48	83	71	0	100	51	0	2	0	0	0	2
1000	0	2	0	2	109	0	111	0	0	2	0	2	85	0	62	105	76	3	117	49	48	0	0	0	71	0	92	48	0	2	0	0	0	2
1100	0	2	0	2	92	0	79	0	0	2	0	2	77	0	51	98	88	3	116	61	52	0	0	0	84	0	107	47	0	2	0	0	0	2
1200	0	2	8	2	88	0	62	0	0	2	0	2	85	0	56	109	118	3	157	71	96	0	78	119	112	0	150	85	0	2	0	0	0	2
1300	46	0	46	0	46	0	56	0	0	2	0	2	122	0	94	147	122	0	178	36	121	0	109	147	121	0	175	52	0	2	0	0	0	2
1400	54	0	54	0	61	0	53	0	0	2	0	2	43	0	5	75	249	0	290	205	247	0	227	273	249	0	280	188	0	2	0	0	0	2
1500	62	0	62	0	63	0	61	0	0	2	0	2	274	0	247	292	260	0	308	223	251	0	230	274	254	0	277	228	0	2	0	0	0	2
1600	0	2	0	2	94	0	94	0	0	2	0	2	262	0	239	281	245	3	284	205	246	0	228	264	243	0	262	218	0	2	0	0	0	2
1700	0	2	0	2	246	0	224	0	0	2	0	2	250	0	223	278	288	0	312	256	290	0	274	311	289	0	303	215	0	2	0	0	0	2
1800	0	2	0	2	225	0	214	0	0	2	0	2	301	0	271	325	295	0	318	260	299	0	284	314	298	0	310	283	0	2	0	0	0	2
1900	167	0	167	0	223	0	231	0	0	2	0	2	295	0	275	323	297	0	327	267	295	0	285	311	300	0	320	286	0	2	0	0	0	2
2000	139	0	148	0	205	0	204	0	0	2	0	2	300	0	269	322	282	0	325	218	283	0	266	313	284	0	325	235	0	2	0	0	0	2
2100	148	0	191	0	273	0	260	0	0	2	0	2	293	0	260	319	298	0	327	270	299	0	285	314	300	0	342	288	0	2	0	0	0	2
2200	217	0	212	0	298	0	279	0	0	2	0	2	296	0	278	319	293	0	326	256	302	0	290	318	297	0	320	276	0	2	0	0	0	2
2300	211	0	199	0	261	0	258	0	0	2	0	2	299	0	280	317	297	0	331	262	303	0	290	319	300	0	312	285	0	2	0	0	0	2
2400	211	0	234	0	296	0	302	0	0	2	0	2	307	0	282	321	296	0	350	262	301	0	293	318	299	0	344	286	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	224	0	220	0	216	0	216	0	320	2	320	2	-4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
200	224	0	224	0	224	0	224	0	320	2	320	2	0	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
300	238	0	245	0	233	0	236	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
400	271	0	242	0	231	0	233	0	320	2	320	2	-9	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
500	251	0	222	0	213	0	213	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
600	241	0	204	0	197	0	197	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
700	207	0	191	0	186	0	186	0	320	2	320	2	-7	0	-12	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
800	186	0	184	0	177	0	179	0	320	2	320	2	-5	0	-12	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	156	0
900	176	0	182	0	173	0	173	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	6
1000	173	0	188	0	179	0	175	0	320	2	320	2	-11	0	-15	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
1100	173	0	189	0	182	0	179	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
1200	200	0	207	0	216	0	213	0	320	2	320	2	7	0	-17	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
1300	244	0	245	0	227	0	216	0	320	2	320	2	-27	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	158	0
1400	224	0	251	0	238	0	233	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	167	0
1500	248	0	242	0	234	0	233	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	168	0
1600	248	0	225	0	215	0	211	0	320	2	320	2	-11	0	-12	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1700	237	0	220	0	209	0	209	0	320	2	320	2	-11	0	-8	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1800	210	0	224	0	215	0	213	0	320	2	320	2	-9	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1900	200	0	206	0	195	0	195	0	320	2	320	2	-11	0	-17	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2000	176	0	200	0	191	0	191	0	320	2	320	2	-7	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2100	176	0	193	0	182	0	182	0	320	2	320	2	-11	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2200	169	0	179	0	168	0	168	0	320	2	320	2	-9	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2300	129	0	170	0	159	0	159	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2400	156	0	164	0	152	0	152	0	320	2	320	2	-11	0	-15	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	213	0	231	0	275	0	287	0	0	2	0	2	307	0	278	325	302	0	329	273	307	0	303	319	304	0	318	295	0	2	0	0	0	2
200	221	0	194	0	265	0	258	0	0	2	0	2	311	0	285	335	298	0	325	254	309	0	299	318	305	0	321	292	0	2	0	0	0	2
300	188	0	215	0	273	0	281	0	0	2	0	2	311	0	285	327	296	0	321	262	300	0	289	313	300	0	4	283	0	2	0	0	0	2
400	203	0	213	0	267	0	280	0	0	2	0	2	308	0	285	327	294	0	324	261	300	0	290	320	296	0	316	279	0	2	0	0	0	2
500	209	0	222	0	302	0	279	0	0	2	0	2	304	0	280	327	299	0	335	263	309	0	291	325	303	0	333	290	0	2	0	0	0	2
600	192	0	215	0	280	0	297	0	0	2	0	2	310	0	287	331	294	0	335	240	304	0	292	320	297	0	318	281	0	2	0	0	0	2
700	230	0	239	0	302	0	306	0	0	2	0	2	300	0	278	328	298	0	336	257	307	0	298	328	301	0	319	288	0	2	0	0	0	2
800	240	0	197	0	284	0	260	0	0	2	0	2	316	0	286	344	279	0	313	239	287	0	255	317	283	0	310	241	0	2	0	0	0	2
900	221	0	212	0	296	0	279	0	0	2	0	2	298	0	262	327	287	0	359	241	286	0	265	328	283	0	312	236	0	2	0	0	0	2
1000	296	0	190	0	305	0	264	0	0	2	0	2	292	0	264	313	279	0	359	231	294	0	271	317	284	0	342	252	0	2	0	0	0	2
1100	230	0	237	0	346	0	334	0	0	2	0	2	295	0	266	320	289	0	323	218	292	0	273	313	291	0	353	254	0	2	0	0	0	2
1200	271	0	247	0	315	0	340	0	0	2	0	2	296	0	271	323	294	0	359	251	298	0	286	314	295	0	311	269	0	2	0	0	0	2
1300	267	0	225	0	313	0	326	0	0	2	0	2	304	0	278	321	293	0	327	270	296	0	277	310	296	0	306	278	0	2	0	0	0	2
1400	257	0	222	0	298	0	309	0	0	2	0	2	302	0	282	322	291	0	319	244	294	0	282	310	297	0	16	279	0	2	0	0	0	2
1500	259	0	210	0	303	0	303	0	0	2	0	2	299	0	280	318	291	0	357	257	291	0	274	316	295	0	308	275	0	2	0	0	0	2
1600	215	0	194	0	296	0	304	0	0	2	0	2	303	0	274	325	301	0	1	271	299	0	285	314	296	0	308	268	0	2	0	0	0	2
1700	186	0	208	0	296	0	281	0	0	2	0	2	299	0	271	325	281	0	359	216	277	0	247	310	283	0	330	241	0	2	0	0	0	2
1800	207	0	204	0	274	0	274	0	0	2	0	2	290	0	336	245	280	0	326	239	284	0	341	250	282	0	309	236	0	2	0	0	0	2
1900	198	0	192	0	259	0	259	0	0	2	0	2	291	0	337	239	281	0	317	240	284	0	314	227	282	0	307	244	0	2	0	0	0	2
2000	217	0	200	0	262	0	262	0	0	2	0	2	279	0	328	231	269	0	313	239	276	0	312	246	277	0	310	249	0	2	0	0	0	2
2100	217	0	214	0	253	0	253	0	0	2	0	2	280	0	322	238	272	0	318	237	276	0	312	222	274	0	302	241	0	2	0	0	0	2
2200	228	0	222	0	264	0	264	0	0	2	0	2	284	0	331	222	274	0	321	238	280	0	316	232	278	0	303	246	0	2	0	0	0	2
2300	237	0	226	0	289	0	289	0	0	2	0	2	274	0	306	236	265	0	300	226	275	0	309	248	273	0	304	245	0	2	0	0	0	2
2400	264	0	259	0	308	0	308	0	0	2	0	2	277	0	319	237	265	0	300	220	273	0	307	228	271	0	310	250	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	139	0	155	0	144	0	141	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
200	139	0	150	0	139	0	139	0	320	2	320	2	-9	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
300	159	0	144	0	134	0	134	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
400	139	0	134	0	125	0	125	0	320	2	320	2	-9	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
500	163	0	121	0	110	0	110	0	320	2	320	2	-11	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
600	91	0	119	0	107	0	107	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
700	95	0	107	0	96	0	96	0	320	2	320	2	-11	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
800	78	0	98	0	90	0	89	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
900	71	0	83	0	74	0	72	0	320	2	320	2	-11	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1000	50	0	72	0	63	0	63	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1100	50	0	65	0	53	0	51	0	320	2	320	2	-14	0	-15	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1200	44	0	62	0	47	0	47	0	320	2	320	2	-14	0	-19	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1300	57	0	62	0	47	0	47	0	320	2	320	2	-16	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1400	61	0	62	0	47	0	47	0	320	2	320	2	-14	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1500	64	0	69	0	54	0	54	0	320	2	320	2	-14	0	-10	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1600	91	0	74	0	60	0	60	0	320	2	320	2	-13	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1700	88	0	69	0	58	0	58	0	320	2	320	2	-9	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1800	71	0	69	0	60	0	60	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1900	74	0	72	0	65	0	65	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2000	69	0	67	0	60	0	60	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2100	67	0	67	0	58	0	58	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2200	69	0	67	0	58	0	58	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
2300	72	0	71	0	62	0	62	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2400	67	0	65	0	56	0	56	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	261	0	250	0	298	0	298	0	0	2	0	2	274	0	312	222	263	0	310	230	270	0	311	225	268	0	307	239	0	2	0	0	0	2
200	283	0	279	0	318	0	318	0	0	2	0	2	273	0	295	249	263	0	289	231	266	0	311	252	266	0	293	249	0	2	0	0	0	2
300	262	0	262	0	314	0	314	0	0	2	0	2	272	0	298	224	262	0	297	238	265	0	304	234	264	0	286	241	0	2	0	0	0	2
400	279	0	272	0	324	0	324	0	0	2	0	2	274	0	313	243	262	0	306	222	265	0	292	228	265	0	298	245	0	2	0	0	0	2
500	210	0	200	0	264	0	264	0	0	2	0	2	280	0	317	237	270	0	306	233	273	0	313	226	274	0	302	244	0	2	0	0	0	2
600	212	0	198	0	263	0	263	0	0	2	0	2	279	0	313	222	269	0	314	207	278	0	320	225	275	0	309	240	0	2	0	0	0	2
700	199	0	180	0	254	0	254	0	0	2	0	2	285	0	335	243	277	0	317	231	286	0	322	248	281	0	358	222	0	2	0	0	0	2
800	247	0	223	0	318	0	318	0	0	2	0	2	300	0	339	264	289	0	319	263	301	0	313	260	290	0	304	258	0	2	0	0	0	2
900	248	0	215	0	316	0	316	0	0	2	0	2	303	0	336	262	291	0	329	266	304	0	316	281	297	0	346	281	0	2	0	0	0	2
1000	224	0	209	0	284	0	284	0	0	2	0	2	313	0	339	267	302	0	342	266	309	0	323	301	306	0	324	290	0	2	0	0	0	2
1100	193	0	186	0	240	0	240	0	0	2	0	2	314	0	348	285	302	0	340	258	312	0	350	303	310	0	2	288	0	2	0	0	0	2
1200	178	0	161	0	225	0	225	0	0	2	0	2	307	0	339	279	299	0	331	268	306	0	320	284	301	0	325	286	0	2	0	0	0	2
1300	182	0	170	0	228	0	228	0	0	2	0	2	311	0	348	277	302	0	335	271	310	0	324	278	307	0	325	273	0	2	0	0	0	2
1400	143	0	144	0	186	0	186	0	0	2	0	2	296	0	337	249	288	0	326	245	290	0	313	255	288	0	354	246	0	2	0	0	0	2
1500	118	0	115	0	137	0	137	0	0	2	0	2	279	0	325	233	272	0	324	223	273	0	314	243	274	0	304	251	0	2	0	0	0	2
1600	133	0	129	0	157	0	157	0	0	2	0	2	267	0	306	236	258	0	309	184	257	0	277	224	257	0	276	228	0	2	0	0	0	2
1700	151	0	149	0	181	0	181	0	0	2	0	2	266	0	302	219	257	0	296	219	252	0	282	224	255	0	277	222	0	2	0	0	0	2
1800	68	0	63	0	96	0	96	0	0	2	0	2	213	0	265	143	208	0	268	150	199	0	232	168	201	0	236	180	0	2	0	0	0	2
1900	79	0	84	0	128	0	128	0	0	2	0	2	211	0	269	120	206	0	250	128	204	0	223	179	202	0	219	184	0	2	0	0	0	2
2000	99	0	96	0	141	0	141	0	0	2	0	2	219	0	268	132	217	0	267	176	209	0	233	181	211	0	244	187	0	2	0	0	0	2
2100	109	0	100	0	145	0	145	0	0	2	0	2	223	0	266	183	217	0	256	158	211	0	226	181	208	0	234	179	0	2	0	0	0	2
2200	95	0	93	0	141	0	141	0	0	2	0	2	223	0	283	181	215	0	263	115	213	0	231	174	210	0	241	178	0	2	0	0	0	2
2300	90	0	85	0	111	0	111	0	0	2	0	2	214	0	253	162	212	0	269	160	203	0	228	180	206	0	226	180	0	2	0	0	0	2
2400	90	0	85	0	126	0	126	0	0	2	0	2	215	0	268	156	208	0	262	156	199	0	230	168	203	0	230	184	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	62	0	60	0	51	0	51	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
200	60	0	58	0	47	0	49	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
300	56	0	56	0	45	0	45	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
400	51	0	51	0	42	0	42	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
500	47	0	47	0	38	0	38	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
600	47	0	45	0	38	0	38	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
700	45	0	44	0	35	0	35	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
800	45	0	44	0	33	0	33	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
900	45	0	42	0	31	0	31	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1000	42	0	40	0	29	0	29	0	320	2	320	2	-11	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
1100	43	0	43	0	36	0	35	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1200	58	0	56	0	44	0	42	0	320	2	320	2	-16	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1300	58	0	56	0	45	0	45	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1400	67	0	65	0	54	0	51	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1500	72	0	71	0	62	0	58	0	320	2	320	2	-13	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1600	71	0	69	0	60	0	60	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1700	65	0	63	0	54	0	54	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1800	62	0	60	0	45	0	45	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
1900	35	0	35	0	27	0	27	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2000	22	0	20	0	17	0	17	0	320	2	320	2	2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2100	24	0	22	0	17	0	17	0	320	2	320	2	-3	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2200	29	0	27	0	24	0	22	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2300	22	0	22	0	17	0	17	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2400	24	0	22	0	22	0	22	0	320	2	320	2	2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	98	0	93	0	131	0	131	0	0	2	0	2	225	0	268	125	219	0	262	143	211	0	234	180	212	0	235	179	0	2	0	0	0	2
200	93	0	87	0	132	0	132	0	0	2	0	2	227	0	260	194	223	0	278	189	217	0	233	189	217	0	240	185	0	2	0	0	0	2
300	78	0	78	0	118	0	118	0	0	2	0	2	215	0	258	143	211	0	267	141	202	0	232	174	201	0	230	182	0	2	0	0	0	2
400	92	0	86	0	135	0	135	0	0	2	0	2	211	0	269	133	206	0	250	122	198	0	224	169	199	0	223	176	0	2	0	0	0	2
500	98	0	91	0	140	0	140	0	0	2	0	2	220	0	269	155	216	0	267	160	207	0	226	173	208	0	229	181	0	2	0	0	0	2
600	110	0	103	0	144	0	144	0	0	2	0	2	217	0	255	159	208	0	246	115	205	0	230	168	206	0	231	182	0	2	0	0	0	2
700	137	0	126	0	178	0	178	0	0	2	0	2	216	0	261	123	212	0	257	138	203	0	227	163	205	0	229	168	0	2	0	0	0	2
800	118	0	105	0	163	0	163	0	0	2	0	2	223	0	269	168	217	0	267	136	205	0	229	169	206	0	240	144	0	2	0	0	0	2
900	160	0	140	0	196	0	196	0	0	2	0	2	229	0	294	185	224	0	298	182	213	0	243	181	215	0	237	185	0	2	0	0	0	2
1000	193	0	171	0	226	0	226	0	0	2	0	2	244	0	292	200	237	0	284	196	226	0	261	197	227	0	257	201	0	2	0	0	0	2
1100	168	0	152	0	206	0	206	0	0	2	0	2	248	0	282	214	241	0	276	207	232	0	257	201	234	0	275	204	0	2	0	0	0	2
1200	235	0	210	0	289	0	289	0	0	2	0	2	253	0	280	222	243	0	265	200	243	0	281	228	244	0	267	228	0	2	0	0	0	2
1300	214	0	206	0	288	0	288	0	0	2	0	2	254	0	294	204	247	0	282	196	246	0	262	231	246	0	275	230	0	2	0	0	0	2
1400	223	0	197	0	275	0	275	0	0	2	0	2	253	0	277	205	243	0	269	210	242	0	258	210	242	0	262	218	0	2	0	0	0	2
1500	206	0	188	0	266	0	266	0	0	2	0	2	258	0	298	221	250	0	296	208	247	0	267	232	248	0	264	235	0	2	0	0	0	2
1600	195	0	189	0	257	0	257	0	0	2	0	2	259	0	300	225	250	0	275	222	250	0	269	235	249	0	267	237	0	2	0	0	0	2
1700	233	0	250	0	282	0	282	0	0	2	0	2	270	0	295	232	263	0	287	239	262	0	279	245	262	0	283	245	0	2	0	0	0	2
1800	189	0	185	0	234	0	234	0	0	2	0	2	283	0	332	242	275	0	318	238	280	0	312	245	279	0	319	230	0	2	0	0	0	2
1900	179	0	184	0	220	0	220	0	0	2	0	2	286	0	322	242	277	0	318	240	281	0	325	254	281	0	313	248	0	2	0	0	0	2
2000	225	0	230	0	256	0	275	0	0	2	0	2	299	0	336	257	288	0	308	263	288	0	316	253	285	0	303	256	0	2	0	0	0	2
2100	204	0	209	0	254	0	251	0	0	2	0	2	309	0	333	269	299	0	337	274	303	0	318	289	301	0	310	285	0	2	0	0	0	2
2200	176	0	178	0	237	0	235	0	0	2	0	2	317	0	352	275	307	0	330	273	315	0	333	292	312	0	328	295	0	2	0	0	0	2
2300	191	0	202	0	250	0	249	0	0	2	0	2	318	0	342	287	307	0	331	273	315	0	327	304	312	0	323	302	0	2	0	0	0	2
2400	178	0	184	0	233	0	224	0	0	2	0	2	317	0	342	289	308	0	333	272	314	0	332	299	311	0	325	297	0	2	0	0	0	2

HOUR	AMB TCM1 30 A	S	AMB TEM2 30 B	S	AMB TEM3 180A	S	AMB TEM4 180B	S	AMB TEM5	S	AMB TEMP6	S	D. T. 1 180A	S	D. T. 2 180B	S	D. T. 3	S	D. T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	29	0	27	0	24	0	24	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
200	47	0	45	0	42	0	42	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
300	51	0	49	0	45	0	45	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
400	67	0	65	0	58	0	58	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
500	78	0	76	0	71	0	71	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
600	96	0	96	0	92	0	92	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
700	128	0	126	0	123	0	123	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
800	146	0	144	0	141	0	141	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
900	166	0	164	0	157	0	157	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
1000	193	0	191	0	184	0	182	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1100	204	0	204	0	195	0	195	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1200	222	0	222	0	213	0	213	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1300	229	0	229	0	220	0	220	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1400	233	0	231	0	224	0	224	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1500	238	0	236	0	229	0	227	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1600	238	0	236	0	229	0	227	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1700	245	0	243	0	236	0	236	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1800	251	0	251	0	242	0	242	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1900	256	0	254	0	249	0	249	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2000	251	0	249	0	240	0	242	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2100	240	0	238	0	233	0	233	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2200	224	0	224	0	215	0	215	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2300	207	0	206	0	198	0	198	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2400	197	0	195	0	188	0	188	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0

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

REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	159	0	168	0	213	0	209	0	0	2	0	2	315	0	358	279	304	0	337	267	314	0	327	300	311	0	329	297	0	2	0	0	0	2
200	146	0	146	0	186	0	185	0	0	2	0	2	306	0	339	276	298	0	330	254	304	0	322	292	302	0	319	291	0	2	0	0	0	2
300	113	0	116	0	156	0	158	0	0	2	0	2	327	0	9	289	317	0	359	286	324	0	338	300	323	0	353	297	0	2	0	0	0	2
400	88	0	95	0	121	0	121	0	0	2	0	2	325	0	9	275	314	0	352	269	323	0	339	295	321	0	347	294	0	2	0	0	0	2
500	47	0	53	0	79	0	80	0	0	2	0	2	5	0	156	309	352	0	65	296	346	0	26	304	347	0	23	320	0	2	0	0	0	2
600	31	0	37	0	61	0	62	0	0	2	0	2	17	0	67	323	8	0	54	325	348	0	4	326	348	0	7	326	0	2	0	0	0	2
700	28	0	36	0	33	0	37	0	0	2	0	2	71	3	88	61	66	0	84	56	41	0	53	24	44	0	62	29	0	2	0	0	0	2
800	54	0	63	0	79	0	78	0	0	2	0	2	139	0	166	127	136	0	152	122	112	0	123	101	117	0	127	104	0	2	0	0	0	2
900	63	0	68	0	128	0	129	0	0	2	0	2	154	0	192	118	152	0	183	122	143	0	155	136	149	0	161	139	0	2	0	0	0	2
1000	49	0	53	0	93	0	94	0	0	2	0	2	153	0	203	117	152	0	208	98	153	0	174	130	159	0	175	136	0	2	0	0	0	2
1100	42	0	51	0	71	0	72	0	0	2	0	2	168	0	259	101	161	0	255	105	171	0	218	114	176	0	242	124	0	2	0	0	0	2
1200	64	0	77	0	103	0	103	0	0	2	0	2	141	0	184	96	143	0	199	98	145	0	194	112	152	0	184	126	0	2	0	0	0	2
1300	61	0	69	0	99	0	103	0	0	2	0	2	163	0	252	108	164	0	257	104	164	0	256	98	170	0	233	114	0	2	0	0	0	2
1400	49	0	56	0	83	0	84	0	0	2	0	2	175	0	266	92	171	0	246	93	171	0	231	117	174	0	264	116	0	2	0	0	0	2
1500	43	0	54	0	67	0	69	0	0	2	0	2	162	0	256	93	156	0	235	92	164	0	246	91	171	0	264	93	0	2	0	0	0	2
1600	50	0	65	0	85	0	91	0	0	2	0	2	154	0	216	113	147	0	199	110	150	0	176	131	156	0	184	126	0	2	0	0	0	2
1700	75	0	85	0	128	0	131	0	0	2	0	2	153	0	203	110	149	0	205	109	150	0	173	120	157	0	184	126	0	2	0	0	0	2
1800	73	0	84	0	131	0	136	0	0	2	0	2	157	0	201	106	153	0	199	105	158	0	184	132	163	0	190	142	0	2	0	0	0	2
1900	68	0	71	0	135	0	128	0	0	2	0	2	190	0	250	97	186	0	246	110	182	0	211	152	186	0	225	161	0	2	0	0	0	2
2000	61	0	66	0	120	0	112	0	0	2	0	2	187	0	263	114	185	0	263	122	185	0	232	156	187	0	227	153	0	2	0	0	0	2
2100	73	0	88	0	138	0	140	0	0	2	0	2	153	0	204	108	149	0	200	121	150	0	180	118	156	0	174	127	0	2	0	0	0	2
2200	55	0	60	0	115	0	113	0	0	2	0	2	183	0	233	100	177	0	244	110	177	0	216	147	182	0	217	156	0	2	0	0	0	2
2300	54	0	58	0	103	0	93	0	0	2	0	2	194	0	260	113	189	0	256	105	187	0	214	161	190	0	236	166	0	2	0	0	0	2
2400	63	0	58	0	98	0	88	0	0	2	0	2	223	0	259	166	218	0	262	163	208	0	232	167	210	0	235	185	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	182	0	180	0	173	0	173	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
200	175	0	175	0	166	0	168	0	320	2	320	2	-5	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
300	166	0	164	0	157	0	157	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
400	159	0	159	0	150	0	150	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
500	152	0	152	0	144	0	146	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
600	148	0	148	0	141	0	141	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
700	139	0	137	0	137	0	137	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
800	126	0	125	0	132	0	132	0	320	2	320	2	9	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
900	123	0	123	0	132	0	132	0	320	2	320	2	9	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1000	144	0	146	0	137	0	132	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1100	173	0	171	0	153	0	152	0	320	2	320	2	-18	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1200	188	0	191	0	179	0	164	0	320	2	320	2	-18	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1300	206	0	209	0	191	0	179	0	320	2	320	2	-25	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1400	229	0	229	0	200	0	197	0	320	2	320	2	-32	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1500	231	0	231	0	211	0	206	0	320	2	320	2	-23	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1600	224	0	224	0	209	0	207	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	169	6
1700	222	0	220	0	209	0	209	0	320	2	320	2	-11	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1800	218	0	218	0	209	0	209	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1900	211	0	209	0	202	0	200	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2000	191	0	191	0	184	0	184	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2100	177	0	175	0	168	0	168	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2200	180	0	180	0	173	0	173	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2300	189	0	188	0	184	0	184	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2400	204	0	202	0	200	0	200	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION. TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	76	0	70	0	110	0	100	0	0	2	0	2	239	0	279	196	230	0	268	191	227	0	258	202	228	0	261	201	0	2	0	0	0	2
200	104	0	103	0	152	0	140	0	0	2	0	2	258	0	299	230	251	0	286	223	250	0	266	224	250	0	267	226	0	2	0	0	0	2
300	146	0	156	0	160	0	171	0	0	2	0	2	271	0	291	249	261	0	290	239	264	0	279	247	264	0	277	251	0	2	0	0	0	2
400	124	0	132	0	179	0	177	0	0	2	0	2	316	0	5	286	306	0	336	270	316	0	326	304	313	0	322	288	0	2	0	0	0	2
500	106	0	113	0	139	0	144	0	0	2	0	2	322	0	4	294	313	0	354	278	320	0	341	311	316	0	333	296	0	2	0	0	0	2
600	113	0	122	0	155	0	159	0	0	2	0	2	344	0	23	309	332	0	11	302	332	0	342	317	331	0	344	322	0	2	0	0	0	2
700	87	0	95	0	125	0	128	0	0	2	0	2	354	0	152	299	335	0	14	303	339	0	5	310	339	0	8	321	0	2	0	0	0	2
800	90	0	97	0	132	0	140	0	0	2	0	2	330	0	85	281	322	0	352	273	326	0	337	310	324	0	340	308	0	2	0	0	0	2
900	78	0	87	0	116	0	119	0	0	2	0	2	335	0	51	286	328	0	11	290	330	0	351	302	329	0	347	314	0	2	0	0	0	2
1000	91	0	98	0	127	0	131	0	0	2	0	2	317	0	52	279	306	0	343	259	318	0	341	294	316	0	339	295	0	2	0	0	0	2
1100	95	0	109	0	138	0	145	0	0	2	0	2	330	0	67	284	322	0	8	277	324	0	340	281	322	0	340	285	0	2	0	0	0	2
1200	106	0	117	0	143	0	147	0	0	2	0	2	325	0	13	290	316	0	358	272	320	0	331	304	318	0	347	292	0	2	0	0	0	2
1300	120	0	129	0	154	0	155	0	0	2	0	2	303	0	338	263	295	0	328	267	302	0	315	290	301	0	312	287	0	2	0	0	0	2
1400	131	0	138	0	145	0	157	0	0	2	0	2	298	0	316	266	289	0	311	251	288	0	306	251	287	0	310	256	0	2	0	0	0	2
1500	99	0	106	0	123	0	130	0	0	2	0	2	298	0	323	256	289	0	314	253	290	0	311	258	289	0	307	231	0	2	0	0	0	2
1600	131	0	138	0	150	0	160	0	0	2	0	2	301	0	325	271	292	0	319	256	292	0	306	261	292	0	321	274	0	2	0	0	0	2
1700	87	0	91	0	108	0	115	0	0	2	0	2	278	0	320	239	269	0	313	223	271	0	306	245	270	0	303	234	0	2	0	0	0	2
1800	121	0	126	0	146	0	154	0	0	2	0	2	301	0	322	278	290	0	309	256	292	0	307	262	290	0	303	226	0	2	0	0	0	2
1900	131	0	134	0	175	0	177	0	0	2	0	2	308	0	337	279	298	0	324	273	303	0	309	294	301	0	318	293	0	2	0	0	0	2
2000	122	0	133	0	161	0	163	0	0	2	0	2	309	0	332	284	298	0	318	268	305	0	320	292	303	0	322	291	0	2	0	0	0	2
2100	134	0	135	0	178	0	175	0	0	2	0	2	309	0	353	274	299	0	346	260	308	0	322	293	305	0	320	229	0	2	0	0	0	2
2200	75	0	82	0	111	0	116	0	0	2	0	2	327	0	95	284	316	0	2	273	320	0	334	294	318	0	331	302	0	2	0	0	0	2
2300	53	0	60	0	86	0	87	0	0	2	0	2	344	0	66	285	333	0	16	287	336	0	350	314	334	0	51	307	0	2	0	0	0	2
2400	44	0	48	0	75	0	73	0	0	2	0	2	17	0	67	313	13	0	78	301	354	0	28	303	354	0	25	295	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	222	0	220	0	218	0	218	0	320	2	320	2	2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
200	247	0	245	0	240	0	240	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
300	263	0	261	0	252	0	252	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
400	256	0	254	0	245	0	245	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
500	256	0	254	0	245	0	245	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
600	240	0	240	0	233	0	231	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
700	238	0	236	0	227	0	227	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
800	238	0	236	0	229	0	227	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
700	240	0	242	0	234	0	229	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1000	236	0	236	0	229	0	227	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1100	236	0	236	0	227	0	224	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1200	225	0	224	0	216	0	215	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1300	225	0	224	0	213	0	211	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	169	6
1400	209	0	209	0	197	0	195	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1500	202	0	202	0	189	0	188	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1600	204	0	202	0	189	0	189	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1700	209	0	207	0	198	0	198	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1800	207	0	207	0	198	0	198	0	320	2	320	2	-5	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1900	213	0	211	0	204	0	206	0	320	2	320	2	-5	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2000	216	0	215	0	207	0	207	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2100	207	0	206	0	197	0	197	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2200	198	0	198	0	189	0	191	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2300	202	0	200	0	193	0	193	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2400	198	0	198	0	191	0	191	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	68	0	72	0	90	0	89	0	0	2	0	2	35	0	72	2	30	0	59	9	16	0	42	1	17	0	36	349	0	2	0	0	0	2
200	84	0	43	0	45	0	54	0	0	2	0	2	59	0	93	34	54	0	84	26	44	0	70	22	49	0	73	26	0	2	0	0	0	2
300	30	0	34	0	41	0	42	0	0	2	0	2	112	0	142	68	110	0	139	84	87	0	118	57	91	0	116	60	0	2	0	0	0	2
400	31	0	37	0	45	0	45	0	0	2	0	2	125	0	144	91	125	0	112	101	100	0	121	87	104	0	125	91	0	2	0	0	0	2
500	58	0	63	0	71	0	72	0	0	2	0	2	128	0	140	115	125	0	135	110	119	0	127	104	124	0	135	114	0	2	0	0	0	2
600	64	0	70	0	81	0	86	0	0	2	0	2	128	0	149	112	126	0	147	111	123	0	132	109	128	0	139	114	0	2	0	0	0	2
700	71	0	74	0	92	0	92	0	0	2	0	2	124	0	145	98	121	0	143	273	111	0	126	91	117	0	136	99	0	2	0	0	0	2
800	94	0	102	0	116	0	120	0	0	2	0	2	125	0	151	105	122	0	139	99	116	0	135	98	122	0	135	107	0	2	0	0	0	2
900	85	0	90	0	106	0	108	0	0	2	0	2	124	0	152	97	121	0	142	92	113	0	128	95	119	0	137	96	0	2	0	0	0	2
1000	85	0	93	0	93	0	99	0	0	2	0	2	123	0	147	101	119	0	148	88	112	0	134	82	119	0	142	99	0	2	0	0	0	2
1100	89	0	102	0	112	0	118	0	0	2	0	2	130	0	161	105	129	0	187	98	124	0	157	105	131	0	165	116	0	2	0	0	0	2
1200	98	0	104	0	117	0	115	0	0	2	0	2	86	0	120	65	83	0	122	54	75	0	94	56	79	0	101	56	0	2	0	0	0	2
1300	96	0	94	0	128	0	123	0	0	2	0	2	96	0	129	56	94	0	78	0	84	0	118	61	88	0	107	64	0	2	0	0	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1500	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	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1800	84	0	89	0	110	0	109	0	0	2	0	2	93	0	126	63	92	0	123	67	85	0	117	62	89	0	122	68	0	2	0	0	0	2
1900	94	0	99	0	130	0	130	0	0	2	0	2	101	0	137	71	99	0	129	73	91	0	114	76	96	0	113	68	0	2	0	0	0	2
2000	108	0	113	0	135	0	133	0	0	2	0	2	89	0	125	64	87	0	129	43	75	0	96	57	80	0	101	60	0	2	0	0	0	2
2100	108	0	110	0	144	0	142	0	0	2	0	2	88	0	118	62	84	0	111	50	75	0	91	61	80	0	94	64	0	2	0	0	0	2
2200	121	0	128	0	151	0	149	0	0	2	0	2	82	0	107	57	80	0	105	37	72	0	89	53	76	0	97	57	0	2	0	0	0	2
2300	140	0	142	0	179	0	175	0	0	2	0	2	92	0	128	64	89	0	117	61	79	0	100	63	83	0	112	48	0	2	0	0	0	2
2400	132	0	128	0	170	0	166	0	0	2	0	2	96	0	132	60	93	0	114	65	84	0	112	67	88	0	107	72	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	195	0	193	0	186	0	186	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
200	189	0	189	0	182	0	182	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
300	179	0	179	0	170	0	170	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
400	170	0	168	0	164	0	164	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
500	164	0	162	0	155	0	155	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
600	161	0	159	0	152	0	152	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
700	157	0	155	0	148	0	148	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
800	148	0	146	0	139	0	139	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
900	152	0	150	0	143	0	143	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1000	166	0	164	0	157	0	155	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1100	179	0	177	0	170	0	166	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1200	193	0	191	0	182	0	180	0	320	2	320	2	-11	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1300	180	0	180	0	171	0	170	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	177	0	175	0	166	0	166	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1900	170	0	168	0	161	0	161	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2000	164	0	164	0	155	0	155	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2100	157	0	155	0	148	0	148	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2200	148	0	148	0	139	0	141	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
2300	141	0	139	0	132	0	132	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2400	137	0	135	0	128	0	128	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	118	0	118	0	151	0	148	0	0	2	0	2	93	0	122	65	88	0	112	57	80	0	103	61	85	0	116	63	0	2	0	0	0	2
200	142	0	145	0	169	0	165	0	0	2	0	2	86	0	113	54	87	0	111	66	75	0	106	54	79	0	105	59	0	2	0	0	0	2
300	110	0	124	0	139	0	147	0	0	2	0	2	72	0	99	32	69	0	93	23	60	0	80	45	66	0	82	49	0	2	0	0	0	2
400	128	0	137	0	155	0	154	0	0	2	0	2	80	0	104	48	80	0	120	54	67	0	84	51	72	0	92	55	0	2	0	0	0	2
500	131	0	141	0	170	0	170	0	0	2	0	2	81	0	120	57	80	0	116	54	69	0	87	54	74	0	96	57	0	2	0	0	0	2
600	142	0	152	0	167	0	170	0	0	2	0	2	80	0	120	57	77	0	106	44	64	0	97	43	69	0	89	47	0	2	0	0	0	2
700	140	0	148	0	170	0	175	0	0	2	0	2	79	0	98	51	78	0	105	54	65	0	86	40	69	0	91	45	0	2	0	0	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
900	84	0	93	0	102	0	104	0	0	2	0	2	37	0	80	4	32	0	83	347	30	0	60	359	32	0	65	359	0	2	0	0	0	2
1000	102	0	109	0	132	0	137	0	0	2	0	2	47	0	94	13	43	0	83	15	31	0	57	358	34	0	64	1	0	2	0	0	0	2
1100	124	0	130	0	157	0	154	0	0	2	0	2	41	0	65	339	38	0	61	4	29	0	61	5	33	0	74	5	0	2	0	0	0	2
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1500	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	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
2000	102	0	110	0	141	0	139	0	0	2	0	2	44	0	74	18	39	0	67	4	29	0	50	0	32	0	65	2	0	2	0	0	0	2
2100	127	0	131	0	163	0	159	0	0	2	0	2	37	0	80	12	33	0	83	4	22	0	47	359	24	0	60	3	0	2	0	0	0	2
2200	95	0	104	0	127	0	129	0	0	2	0	2	43	0	72	11	39	0	92	4	30	0	67	355	33	0	65	356	0	2	0	0	0	2
2300	144	0	148	0	192	0	187	0	0	2	0	2	36	0	67	2	28	0	60	342	19	0	42	345	22	0	41	350	0	2	0	0	0	2
2400	130	0	133	0	172	0	167	0	0	2	0	2	39	0	70	2	32	0	60	353	17	0	44	355	20	0	50	344	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	132	0	130	0	123	0	123	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
200	128	0	128	0	119	0	119	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
300	123	0	123	0	116	0	116	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
400	121	0	121	0	114	0	114	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
500	119	0	119	0	112	0	112	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
600	116	0	114	0	107	0	107	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
700	110	0	108	0	101	0	101	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	164	0	162	0	155	0	153	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1000	166	0	164	0	155	0	155	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1100	168	0	166	0	159	0	157	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	6
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	179	0	177	0	170	0	170	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2100	186	0	186	0	177	0	179	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2200	186	0	184	0	177	0	177	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2300	184	0	184	0	177	0	177	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2400	182	0	182	0	173	0	173	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	107	0	111	0	159	0	158	0	0	2	0	2	9	0	62	307	2	0	78	302	355	0	31	324	356	0	37	322	0	2	0	0	0	2
200	116	0	120	0	172	0	173	0	0	2	0	2	24	0	69	320	14	0	60	307	357	0	31	309	358	0	49	304	0	2	0	0	0	2
300	136	0	134	0	198	0	193	0	0	2	0	2	24	0	57	332	17	0	73	322	1	0	34	328	0	0	41	320	0	2	0	0	0	2
400	136	0	140	0	190	0	184	0	0	2	0	2	33	0	66	352	26	0	60	348	14	0	45	334	15	0	50	342	0	2	0	0	0	2
500	109	0	113	0	154	0	149	0	0	2	0	2	28	0	70	347	19	0	71	340	9	0	33	327	11	0	38	329	0	2	0	0	0	2
600	181	0	198	0	280	0	285	0	0	2	0	2	333	0	119	277	321	0	358	269	328	0	7	275	325	0	348	279	0	2	0	0	0	2
700	196	0	198	0	283	0	290	0	0	2	0	2	328	0	9	284	317	0	358	190	325	0	348	298	323	0	345	280	0	2	0	0	0	2
800	183	0	200	0	267	0	275	0	0	2	0	2	334	0	18	282	322	0	357	282	328	0	344	305	325	0	341	296	0	2	0	0	0	2
900	153	0	163	0	228	0	238	0	0	2	0	2	323	0	28	278	316	0	4	273	323	0	349	274	320	0	342	282	0	2	0	0	0	2
1000	177	0	190	0	251	0	261	0	0	2	0	2	326	0	2	280	317	0	349	271	323	0	337	292	322	0	340	297	0	2	0	0	0	2
1100	170	0	177	0	236	0	241	0	0	2	0	2	330	0	19	286	322	0	359	272	327	0	0	291	326	0	350	297	0	2	0	0	0	2
1200	207	0	212	0	270	0	268	0	0	2	0	2	316	0	348	278	305	0	338	265	313	0	328	297	311	0	326	301	0	2	0	0	0	2
1300	200	0	212	0	254	0	257	0	0	2	0	2	309	0	340	277	301	0	334	272	305	0	334	292	304	0	324	294	0	2	0	0	0	2
1400	197	0	203	0	261	0	256	0	0	2	0	2	307	0	335	280	301	0	1	277	304	0	332	288	302	0	328	289	0	2	0	0	0	2
1500	212	0	221	0	267	0	275	0	0	2	0	2	301	0	331	275	293	0	318	269	295	0	310	265	294	0	308	246	0	2	0	0	0	2
1600	207	0	197	0	268	0	279	0	0	2	0	2	300	0	334	271	290	0	328	259	295	0	309	269	294	0	307	268	0	2	0	0	0	2
1700	188	0	194	0	246	0	245	0	0	2	0	2	307	0	338	269	297	0	352	251	301	0	321	287	300	0	333	238	0	2	0	0	0	2
1800	183	0	188	0	222	0	234	0	0	2	0	2	300	0	335	250	291	0	324	263	291	0	307	259	290	0	307	261	0	2	0	0	0	2
1900	191	0	196	0	241	0	248	0	0	2	0	2	301	0	327	265	292	0	330	253	296	0	312	279	295	0	338	276	0	2	0	0	0	2
2000	182	0	187	0	224	0	228	0	0	2	0	2	302	0	331	268	291	0	316	262	298	0	312	280	296	0	312	232	0	2	0	0	0	2
2100	175	0	182	0	213	0	220	0	0	2	0	2	298	0	333	258	290	0	331	250	294	0	321	251	292	0	318	266	0	2	0	0	0	2
2200	173	0	181	0	208	0	221	0	0	2	0	2	295	0	320	259	287	0	321	257	290	0	337	236	289	0	324	246	0	2	0	0	0	2
2300	177	0	176	0	220	0	229	0	0	2	0	2	300	0	335	234	290	0	325	261	294	0	308	248	293	0	311	268	0	2	0	0	0	2
2400	188	0	193	0	227	0	240	0	0	2	0	2	299	0	324	269	289	0	318	257	291	0	315	252	290	0	311	258	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	189	0	188	0	179	0	179	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
200	189	0	188	0	180	0	179	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
300	189	0	191	0	182	0	182	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
400	189	0	188	0	180	0	180	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
500	188	0	186	0	177	0	179	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
600	193	0	193	0	182	0	184	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
700	193	0	191	0	182	0	184	0	320	2	320	2	-9	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
800	189	0	189	0	179	0	180	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
900	182	0	180	0	171	0	171	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1000	177	0	175	0	166	0	166	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1100	179	0	177	0	168	0	166	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1200	171	0	170	0	161	0	157	0	320	2	320	2	-11	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1300	180	0	179	0	166	0	162	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1400	171	0	170	0	161	0	155	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1500	166	0	166	0	152	0	150	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1600	157	0	155	0	144	0	144	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1700	161	0	159	0	150	0	150	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1800	161	0	159	0	150	0	150	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1900	164	0	162	0	153	0	153	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2000	162	0	162	0	153	0	153	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2100	162	0	161	0	153	0	153	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2200	159	0	159	0	150	0	150	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2300	159	0	157	0	150	0	150	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
2400	155	0	153	0	144	0	144	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	170	0	174	0	200	0	208	0	0	2	0	2	295	0	324	260	286	0	318	240	289	0	310	254	287	0	306	242	0	2	0	0	0	2
200	185	0	191	0	233	0	237	0	0	2	0	2	303	0	328	272	292	0	320	257	300	0	313	288	297	0	312	270	0	2	0	0	0	2
300	180	0	185	0	232	0	234	0	0	2	0	2	309	0	339	261	298	0	329	258	305	0	332	289	302	0	332	287	0	2	0	0	0	2
400	89	0	84	0	134	0	117	0	0	2	0	2	225	0	284	181	220	0	303	180	211	0	240	175	214	0	252	188	0	2	0	0	0	2
500	76	0	71	0	115	0	105	0	0	2	0	2	226	0	267	152	222	0	269	171	210	0	241	177	214	0	247	184	0	2	0	0	0	2
600	65	0	63	0	104	0	91	0	0	2	0	2	213	0	260	161	210	0	250	160	207	0	235	172	207	0	230	183	0	2	0	0	0	2
700	72	0	66	0	116	0	106	0	0	2	0	2	234	0	291	182	230	0	278	199	219	0	251	195	221	0	243	201	0	2	0	0	0	2
800	91	0	80	0	138	0	126	0	0	2	0	2	235	0	267	170	230	0	280	184	220	0	248	187	222	0	244	193	0	2	0	0	0	2
900	102	0	90	0	168	0	147	0	0	2	0	2	241	0	287	188	232	0	262	196	228	0	249	209	229	0	250	211	0	2	0	0	0	2
1000	109	0	96	0	177	0	149	0	0	2	0	2	245	0	280	212	237	0	277	202	232	0	244	215	233	0	246	218	0	2	0	0	0	2
1100	98	0	85	0	160	0	141	0	0	2	0	2	244	0	278	212	236	0	273	205	236	0	245	216	237	0	250	218	0	2	0	0	0	2
1200	90	0	79	0	146	0	128	0	0	2	0	2	242	0	262	211	234	0	257	195	235	0	243	225	236	0	244	225	0	2	0	0	0	2
1300	92	0	92	0	160	0	134	0	0	2	0	2	257	0	290	230	248	0	280	224	252	0	260	245	253	0	262	222	0	2	0	0	0	2
1400	77	0	83	0	132	0	136	0	0	2	0	2	276	0	307	249	269	0	307	235	276	0	300	255	273	0	290	252	0	2	0	0	0	2
1500	96	0	101	0	112	0	113	0	0	2	0	2	266	0	287	240	256	0	273	229	276	0	281	271	273	0	277	253	0	2	0	0	0	2
1600	71	0	78	0	115	0	122	0	0	2	0	2	287	0	324	249	278	0	323	239	291	0	308	264	288	0	306	259	0	2	0	0	0	2
1700	77	0	83	0	113	0	116	0	0	2	0	2	299	0	323	266	289	0	323	256	302	0	304	288	298	0	301	285	0	2	0	0	0	2
1800	60	0	60	0	74	0	77	0	0	2	0	2	253	0	269	224	244	0	268	223	279	0	297	263	276	0	294	206	0	2	0	0	0	2
1900	56	0	50	0	78	0	81	0	0	2	0	2	249	0	272	229	240	0	261	218	272	0	278	255	270	0	275	263	0	2	0	0	0	2
2000	64	0	57	0	88	0	91	0	0	2	0	2	245	0	265	215	236	0	254	207	258	0	271	234	257	0	269	229	0	2	0	0	0	2
2100	76	0	69	0	109	0	100	0	0	2	0	2	244	0	286	217	240	0	286	200	242	0	263	225	241	0	267	218	0	2	0	0	0	2
2200	58	0	56	0	84	0	86	0	0	2	0	2	251	0	282	218	244	0	278	212	261	0	292	244	260	0	285	243	0	2	0	0	0	2
2300	88	0	91	0	127	0	123	0	0	2	0	2	306	0	333	283	296	0	329	267	309	0	346	302	306	0	313	300	0	2	0	0	0	2
2400	80	0	0	2	161	0	0	2	0	2	0	2	157	0	125	191	0	2	0	0	167	0	148	192	0	2	0	0	0	2	0	0	0	2

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 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	150	0	148	0	139	0	141	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
200	155	0	153	0	144	0	144	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
300	162	0	161	0	152	0	153	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
400	351	2	349	2	342	2	340	2	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	200	0
500	356	2	356	2	351	2	349	2	320	2	320	2	-5	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	6
600	358	2	356	2	352	2	352	2	320	2	320	2	-2	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
700	361	2	360	2	358	2	356	2	320	2	320	2	-4	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	200	0
800	365	2	363	2	360	2	360	2	320	2	320	2	-4	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	6
900	358	2	356	2	356	2	354	2	320	2	320	2	0	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1000	342	2	338	2	345	2	345	2	320	2	320	2	7	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	200	0
1100	338	2	336	2	347	2	349	2	320	2	320	2	14	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	200	0
1200	338	2	336	2	343	2	345	2	320	2	320	2	11	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	200	0
1300	315	2	314	2	333	2	334	2	320	2	320	2	20	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	200	0
1400	310	2	306	2	315	2	317	2	320	2	320	2	11	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	200	0
1500	299	2	296	2	317	2	320	2	320	2	320	2	23	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	6
1600	303	2	301	2	306	2	308	2	320	2	320	2	9	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	200	0
1700	303	2	301	2	306	2	310	2	320	2	320	2	9	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	200	0
1800	287	2	285	2	294	2	297	2	320	2	320	2	14	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	6
1900	287	2	283	2	299	2	301	2	320	2	320	2	18	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
2000	281	2	279	2	288	2	288	2	320	2	320	2	11	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	200	0
2100	294	2	292	2	297	2	297	2	320	2	320	2	5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	200	0
2200	305	2	305	2	312	2	314	2	320	2	320	2	9	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	6
2300	333	2	333	2	327	2	325	2	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	200	0
2400	344	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	[illegible]	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	6

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	94	0	0	2	186	0	0	2	0	2	0	2	159	0	136	194	0	2	0	0	161	0	147	185	0	2	0	0	0	2	0	0	0	2
200	94	0	0	2	146	0	0	2	0	2	0	2	166	0	130	201	0	2	0	0	163	0	142	184	0	2	0	0	0	2	0	0	0	2
300	80	0	0	2	148	0	0	2	0	2	0	2	163	0	125	197	0	2	0	0	166	0	141	184	0	2	0	0	0	2	0	0	0	2
400	94	0	0	2	205	0	0	2	0	2	0	2	158	0	125	190	0	2	0	0	168	0	146	191	0	2	0	0	0	2	0	0	0	2
500	96	0	0	2	196	0	0	2	0	2	0	2	164	0	134	192	0	2	0	0	163	0	142	185	0	2	0	0	0	2	0	0	0	2
600	125	0	0	2	186	0	0	2	0	2	0	2	161	0	131	191	0	2	0	0	161	0	141	184	0	2	0	0	0	2	0	0	0	2
700	132	0	0	2	205	0	0	2	0	2	0	2	164	0	130	200	0	2	0	0	159	0	140	181	0	2	0	0	0	2	0	0	0	2
800	140	0	0	2	230	0	0	2	0	2	0	2	159	0	119	186	0	2	0	0	158	0	140	181	0	2	0	0	0	2	0	0	0	2
900	123	0	0	2	221	0	0	2	0	2	0	2	166	0	125	201	0	2	0	0	160	0	133	184	0	2	0	0	0	2	0	0	0	2
1000	111	0	0	2	225	0	0	2	0	2	0	2	184	0	141	215	0	2	0	0	173	0	154	197	0	2	0	0	0	2	0	0	0	2
1100	127	0	0	2	234	0	0	2	0	2	0	2	176	0	130	214	0	2	0	0	169	0	146	195	0	2	0	0	0	2	0	0	0	2
1200	132	0	0	2	236	0	0	2	0	2	0	2	174	0	145	214	0	2	0	0	167	0	147	193	0	2	0	0	0	2	0	0	0	2
1300	150	0	0	2	225	0	0	2	0	2	0	2	187	0	132	219	0	2	0	0	164	0	139	188	0	2	0	0	0	2	0	0	0	2
1400	134	0	0	2	248	0	0	2	0	2	0	2	186	0	138	223	0	2	0	0	179	0	150	205	0	2	0	0	0	2	0	0	0	2
1500	109	0	0	2	219	0	0	2	0	2	0	2	209	0	155	258	0	2	0	0	185	0	159	213	0	2	0	0	0	2	0	0	0	2
1600	100	0	0	2	198	0	0	2	0	2	0	2	224	0	167	260	0	2	0	0	191	0	172	214	0	2	0	0	0	2	0	0	0	2
1700	100	0	0	2	159	0	0	2	0	2	0	2	197	0	152	255	0	2	0	0	191	0	166	224	0	2	0	0	0	2	0	0	0	2
1800	125	0	0	2	225	0	0	2	0	2	0	2	176	0	137	213	0	2	0	0	179	0	155	205	0	2	0	0	0	2	0	0	0	2
1900	119	0	0	2	234	0	0	2	0	2	0	2	177	0	141	212	0	2	0	0	176	0	147	194	0	2	0	0	0	2	0	0	0	2
2000	125	0	0	2	202	0	0	2	0	2	0	2	179	0	138	209	0	2	0	0	179	0	158	199	0	2	0	0	0	2	0	0	0	2
2100	125	0	0	2	232	0	0	2	0	2	0	2	202	0	142	230	0	2	0	0	178	0	149	201	0	2	0	0	0	2	0	0	0	2
2200	107	0	0	2	221	0	0	2	0	2	0	2	211	0	164	250	0	2	0	0	179	0	156	213	0	2	0	0	0	2	0	0	0	2
2300	115	0	0	2	215	0	0	2	0	2	0	2	221	0	178	258	0	2	0	0	195	0	167	224	0	2	0	0	0	2	0	0	0	2
2400	86	0	0	2	180	0	0	2	0	2	0	2	218	0	186	256	0	2	0	0	208	0	182	233	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	88	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	84	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	112	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	135	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	139	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	135	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	163	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	176	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	210	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	271	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	322	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	363	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	373	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	414	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	390	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	397	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	407	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	390	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	404	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	387	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	404	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	421	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	414	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	394	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	125	0	0	2	182	0	0	2	0	2	0	2	236	0	211	274	0	2	0	0	232	0	211	256	0	2	0	0	0	2	0	0	0	2
200	117	0	0	2	215	0	0	2	0	2	0	2	246	0	219	284	0	2	0	0	240	0	220	256	0	2	0	0	0	2	0	0	0	2
300	144	0	0	2	209	0	0	2	0	2	0	2	331	0	291	5	0	2	0	0	257	0	248	268	0	2	0	0	0	2	0	0	0	2
400	173	0	0	2	244	0	0	2	0	2	0	2	334	0	292	12	0	2	0	0	337	0	323	348	0	2	0	0	0	2	0	0	0	2
500	205	0	0	2	230	0	0	2	0	2	0	2	313	0	277	345	0	2	0	0	327	0	307	345	0	2	0	0	0	2	0	0	0	2
600	202	0	0	2	257	0	0	2	0	2	0	2	307	0	268	340	0	2	0	0	307	0	296	322	0	2	0	0	0	2	0	0	0	2
700	200	0	0	2	240	0	0	2	0	2	0	2	303	0	269	336	0	2	0	0	305	0	295	317	0	2	0	0	0	2	0	0	0	2
800	205	0	0	2	286	0	0	2	0	2	0	2	301	0	273	329	0	2	0	0	299	0	290	308	0	2	0	0	0	2	0	0	0	2
900	198	0	0	2	252	0	0	2	0	2	0	2	310	0	284	329	0	2	0	0	301	0	289	314	0	2	0	0	0	2	0	0	0	2
1000	163	0	0	2	223	0	0	2	0	2	0	2	302	0	280	345	0	2	0	0	305	0	298	320	0	2	0	0	0	2	0	0	0	2
1100	175	0	0	2	217	0	0	2	0	2	0	2	304	0	275	340	0	2	0	0	304	0	292	320	0	2	0	0	0	2	0	0	0	2
1200	171	0	0	2	240	0	0	2	0	2	0	2	341	0	305	20	0	2	0	0	321	0	313	337	0	2	0	0	0	2	0	0	0	2
1300	196	0	0	2	267	0	0	2	0	2	0	2	348	0	312	19	0	2	0	0	330	0	311	355	0	2	0	0	0	2	0	0	0	2
1400	165	0	0	2	255	0	0	2	0	2	0	2	354	0	325	20	0	2	0	0	344	0	330	358	0	2	0	0	0	2	0	0	0	2
1500	155	0	0	2	207	0	0	2	0	2	0	2	331	0	289	11	0	2	0	0	337	0	321	353	0	2	0	0	0	2	0	0	0	2
1600	173	0	0	2	234	0	0	2	0	2	0	2	321	0	291	357	0	2	0	0	327	0	312	345	0	2	0	0	0	2	0	0	0	2
1700	142	0	0	2	248	0	0	2	0	2	0	2	317	0	282	347	0	2	0	0	328	0	314	352	0	2	0	0	0	2	0	0	0	2
1800	117	0	0	2	215	0	0	2	0	2	0	2	343	0	304	19	0	2	0	0	326	0	314	347	0	2	0	0	0	2	0	0	0	2
1900	117	0	0	2	211	0	0	2	0	2	0	2	328	0	293	2	0	2	0	0	338	0	327	354	0	2	0	0	0	2	0	0	0	2
2000	109	0	0	2	157	0	0	2	0	2	0	2	347	0	311	15	0	2	0	0	330	0	313	353	0	2	0	0	0	2	0	0	0	2
2100	84	0	0	2	155	0	0	2	0	2	0	2	6	0	326	33	0	2	0	0	325	0	311	344	0	2	0	0	0	2	0	0	0	2
2200	86	0	0	2	142	0	0	2	0	2	0	2	354	0	327	23	0	2	0	0	346	0	326	6	0	2	0	0	0	2	0	0	0	2
2300	61	0	0	2	111	0	0	2	0	2	0	2	303	0	274	322	0	2	0	0	336	0	321	353	0	2	0	0	0	2	0	0	0	2
2400	57	0	0	2	105	0	0	2	0	2	0	2	281	0	242	312	0	2	0	0	287	0	277	304	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	367	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	336	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	312	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	302	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	292	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	278	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	261	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	275	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	288	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	288	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	282	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	282	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	271	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	254	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	261	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	244	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	234	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	234	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	237	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	224	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	248	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	265	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	227	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	207	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	82	0	0	2	102	0	0	2	0	2	0	2	272	0	237	294	0	2	0	0	280	0	262	313	0	2	0	0	0	2	0	0	0	2
200	80	0	0	2	105	0	0	2	0	2	0	2	268	0	239	299	0	2	0	0	249	0	240	258	0	2	0	0	0	2	0	0	0	2
300	46	0	0	2	98	0	0	2	0	2	0	2	220	0	188	251	0	2	0	0	250	0	238	262	0	2	0	0	0	2	0	0	0	2
400	77	0	0	2	96	0	0	2	0	2	0	2	247	0	228	272	0	2	0	0	214	0	196	236	0	2	0	0	0	2	0	0	0	2
500	75	0	0	2	134	0	0	2	0	2	0	2	238	0	204	267	0	2	0	0	227	0	204	257	0	2	0	0	0	2	0	0	0	2
600	77	0	0	2	125	0	0	2	0	2	0	2	224	0	188	259	0	2	0	0	228	0	205	246	0	2	0	0	0	2	0	0	0	2
700	69	0	0	2	107	0	0	2	0	2	0	2	205	0	159	240	0	2	0	0	204	0	185	228	0	2	0	0	0	2	0	0	0	2
800	63	0	0	2	94	0	0	2	0	2	0	2	200	0	151	245	0	2	0	0	181	0	159	204	0	2	0	0	0	2	0	0	0	2
900	84	0	0	2	113	0	0	2	0	2	0	2	200	0	151	239	0	2	0	0	184	0	157	208	0	2	0	0	0	2	0	0	0	2
1000	96	0	0	2	150	0	0	2	0	2	0	2	194	0	147	240	0	2	0	0	186	0	160	211	0	2	0	0	0	2	0	0	0	2
1100	102	0	0	2	150	0	0	2	0	2	0	2	184	0	138	230	0	2	0	0	179	0	159	211	0	2	0	0	0	2	0	0	0	2
1200	107	0	0	2	182	0	0	2	0	2	0	2	175	0	123	222	0	2	0	0	166	0	147	191	0	2	0	0	0	2	0	0	0	2
1300	109	0	0	2	188	0	0	2	0	2	0	2	173	0	141	203	0	2	0	0	173	0	154	197	0	2	0	0	0	2	0	0	0	2
1400	105	0	0	2	186	0	0	2	0	2	0	2	185	0	152	217	0	2	0	0	165	0	142	187	0	2	0	0	0	2	0	0	0	2
1500	65	0	0	2	165	0	0	2	0	2	0	2	227	0	179	263	0	2	0	0	203	0	165	227	0	2	0	0	0	2	0	0	0	2
1600	82	0	0	2	105	0	0	2	0	2	0	2	227	0	194	266	0	2	0	0	205	0	187	228	0	2	0	0	0	2	0	0	0	2
1700	86	0	0	2	138	0	0	2	0	2	0	2	239	0	203	266	0	2	0	0	213	0	187	241	0	2	0	0	0	2	0	0	0	2
1800	77	0	0	2	115	0	0	2	0	2	0	2	235	0	199	265	0	2	0	0	214	0	194	240	0	2	0	0	0	2	0	0	0	2
1900	61	0	0	2	105	0	0	2	0	2	0	2	226	0	201	258	0	2	0	0	208	0	196	231	0	2	0	0	0	2	0	0	0	2
2000	86	0	0	2	113	0	0	2	0	2	0	2	239	0	213	274	0	2	0	0	223	0	205	246	0	2	0	0	0	2	0	0	0	2
2100	90	0	0	2	130	0	0	2	0	2	0	2	253	0	218	280	0	2	0	0	233	0	206	249	0	2	0	0	0	2	0	0	0	2
2200	94	0	0	2	173	0	0	2	0	2	0	2	254	0	223	277	0	2	0	0	236	0	218	254	0	2	0	0	0	2	0	0	0	2
2300	96	0	0	2	175	0	0	2	0	2	0	2	251	0	227	271	0	2	0	0	239	0	222	259	0	2	0	0	0	2	0	0	0	2
2400	63	0	56	0	140	0	77	0	0	2	0	2	245	0	226	266	298	0	331	251	236	0	227	245	311	0	323	250	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	217	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	224	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	237	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	197	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	186	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	166	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	183	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	200	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	217	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	231	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	251	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	251	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	265	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	275	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	302	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	329	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	353	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	336	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	356	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	367	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	363	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	339	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	326	0	0	2	0	2	0	2	0	2	0	2	8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	279	0	345	0	336	0	334	0	320	2	320	2	7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	98	0	52	0	126	0	75	0	0	2	0	2	244	0	229	267	297	0	319	251	235	0	222	247	307	0	324	279	0	2	0	0	0	2
200	117	0	47	0	132	0	59	0	0	2	0	2	264	0	246	282	292	0	329	240	249	0	244	257	304	0	317	285	0	2	0	0	0	2
300	90	0	0	2	130	0	0	2	0	2	0	2	263	0	250	278	0	2	0	0	276	0	258	298	0	2	0	0	0	2	0	0	0	2
400	88	0	0	2	126	0	0	2	0	2	0	2	268	0	247	285	0	2	0	0	276	0	269	283	0	2	0	0	0	2	0	0	0	2
500	78	0	0	2	113	0	0	2	0	2	0	2	283	0	260	303	0	2	0	0	289	0	272	300	0	2	0	0	0	2	0	0	0	2
600	82	0	0	2	130	0	0	2	0	2	0	2	277	0	256	305	0	2	0	0	301	0	294	309	0	2	0	0	0	2	0	0	0	2
700	73	0	0	2	78	0	0	2	0	2	0	2	265	0	244	293	0	2	0	0	287	0	268	300	0	2	0	0	0	2	0	0	0	2
800	69	0	0	2	69	0	0	2	0	2	0	2	232	0	0	0	0	2	0	0	272	0	0	0	0	2	0	0	0	2	0	0	0	2
900	82	0	0	2	90	0	0	2	0	2	0	2	218	0	0	0	0	2	0	0	236	0	0	0	0	2	0	0	0	2	0	0	0	2
1000	92	0	0	2	107	0	0	2	0	2	0	2	235	0	0	0	0	2	0	0	218	0	0	0	0	2	0	0	0	2	0	0	0	2
1100	46	0	50	0	74	0	73	0	0	2	0	2	310	0	356	263	298	0	333	257	315	0	336	279	313	0	352	285	0	2	0	0	0	2
1200	51	0	51	0	73	0	69	0	0	2	0	2	309	0	348	260	300	0	358	257	312	0	341	292	311	0	338	288	0	2	0	0	0	2
1300	55	0	59	0	78	0	83	0	0	2	0	2	258	0	298	221	253	0	306	223	276	0	312	251	274	0	306	245	0	2	0	0	0	2
1400	82	0	89	0	122	0	121	0	0	2	0	2	310	0	332	280	301	0	323	274	314	0	330	306	311	0	318	300	0	2	0	0	0	2
1500	58	0	66	0	64	0	69	0	0	2	0	2	306	0	327	278	297	0	325	275	299	0	318	286	297	0	311	280	0	2	0	0	0	2
1600	52	0	57	0	65	0	68	0	0	2	0	2	298	0	332	219	291	0	330	216	289	0	326	244	290	0	326	245	0	2	0	0	0	2
1700	45	0	46	0	57	0	59	0	0	2	0	2	257	0	292	226	249	0	278	222	256	0	274	230	254	0	267	207	0	2	0	0	0	2
1800	25	0	31	0	42	0	43	0	0	2	0	2	314	0	12	273	304	0	352	246	296	0	321	269	294	0	165	273	0	2	0	0	0	2
1900	21	0	28	0	32	0	33	0	0	2	0	2	296	0	341	246	290	0	341	233	289	0	318	246	288	0	315	238	0	2	0	0	0	2
2000	23	0	31	0	39	0	43	0	0	2	0	2	286	0	334	237	278	0	346	228	267	0	297	213	269	0	308	218	0	2	0	0	0	2
2100	27	0	30	0	49	0	50	0	0	2	0	2	253	0	316	197	244	3	296	191	252	0	277	234	253	0	282	228	0	2	0	0	0	2
2200	48	0	44	0	65	0	60	0	0	2	0	2	243	0	272	219	236	0	262	216	248	0	266	242	247	0	256	175	0	2	0	0	0	2
2300	67	0	65	0	79	0	80	0	0	2	0	2	252	0	275	214	245	0	273	212	257	0	269	248	257	0	274	238	0	2	0	0	0	2
2400	74	0	68	0	98	0	95	0	0	2	0	2	249	0	268	225	241	0	268	212	255	0	265	235	256	0	266	240	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	286	0	0	2	0	2	0	2	0	2	0	2	12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	262	0	0	2	0	2	0	2	0	2	0	2	7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	252	0	0	2	0	2	0	2	0	2	0	2	19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	276	0	0	2	0	2	0	2	0	2	0	2	7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	269	0	0	2	0	2	0	2	0	2	0	2	4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	269	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	265	0	0	2	0	2	0	2	0	2	0	2	9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	279	0	0	2	0	2	0	2	0	2	0	2	4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	303	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	317	0	0	2	0	2	0	2	0	2	0	2	9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	345	0	347	0	338	0	334	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1200	343	0	345	0	342	0	334	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	6
1300	310	0	310	0	312	0	308	0	320	2	320	2	-2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1400	333	0	331	0	325	0	325	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1500	345	0	345	0	336	0	334	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1600	338	0	338	0	327	0	322	0	320	2	320	2	-18	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1700	324	0	322	0	310	0	312	0	320	2	320	2	-9	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	6
1800	299	0	297	0	294	0	297	0	320	2	320	2	0	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1900	281	0	279	0	279	0	285	0	320	2	320	2	5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
2000	278	0	276	0	274	0	278	0	320	2	320	2	2	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
2100	274	0	272	0	278	0	281	0	320	2	320	2	11	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
2200	279	0	276	0	279	0	279	0	320	2	320	2	4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
2300	279	0	276	0	279	0	279	0	320	2	320	2	5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
2400	274	0	272	0	272	0	272	0	320	2	320	2	0	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	6

STATUS CODE(S) DEFINITIONS, 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	48	0	44	0	66	0	69	0	0	2	0	2	248	0	276	224	240	0	256	223	274	0	279	263	273	0	279	258	0	2	0	0	0	2
200	86	0	51	0	65	0	64	0	0	2	0	2	236	0	255	204	228	0	250	199	257	0	282	241	257	0	280	241	0	2	0	0	0	2
300	57	0	52	0	80	0	79	0	0	2	0	2	234	0	260	204	227	0	257	179	249	0	269	228	249	0	263	229	0	2	0	0	0	2
400	65	0	60	0	100	0	86	0	0	2	0	2	233	0	261	204	227	0	262	190	231	0	243	218	232	0	240	222	0	2	0	0	0	2
500	62	0	59	0	69	0	71	0	0	2	0	2	252	0	287	227	243	0	269	228	256	0	264	248	257	0	263	249	0	2	0	0	0	2
600	76	0	68	0	106	0	92	0	0	2	0	2	234	0	273	207	227	0	256	201	230	0	241	220	231	0	244	221	0	2	0	0	0	2
700	46	0	44	0	68	0	59	0	0	2	0	2	235	0	257	215	226	0	250	205	248	0	255	230	249	0	256	219	0	2	0	0	0	2
800	50	0	49	0	65	0	60	0	0	2	0	2	228	0	254	214	221	0	235	201	236	0	246	225	237	0	246	227	0	2	0	0	0	2
900	62	0	57	0	99	0	84	0	0	2	0	2	232	0	263	173	225	0	270	190	233	0	253	222	234	0	245	226	0	2	0	0	0	2
1000	26	0	28	0	37	0	35	0	0	2	0	2	239	0	269	192	230	0	262	190	226	0	265	169	229	0	258	184	0	2	0	0	0	2
1100	38	0	39	0	49	0	45	0	0	2	0	2	225	0	266	135	216	0	269	100	197	0	228	140	203	0	229	138	0	2	0	0	0	2
1200	63	0	56	0	74	0	63	0	0	2	0	2	245	0	296	208	238	0	269	205	225	0	265	207	226	0	254	195	0	2	0	0	0	2
1300	57	0	65	0	52	0	52	0	0	2	0	2	264	0	297	238	254	0	287	229	254	0	268	221	254	0	269	233	0	2	0	0	0	2
1400	53	0	60	0	53	0	52	0	0	2	0	2	259	0	292	221	253	0	280	194	239	0	269	185	242	0	281	187	0	2	0	0	0	2
1500	25	0	30	0	36	0	36	0	0	2	0	2	250	3	350	183	245	3	329	182	189	0	269	93	190	0	267	112	0	2	0	0	0	2
1600	29	0	39	0	61	0	66	0	0	2	0	2	147	0	251	100	145	0	269	99	145	0	246	99	151	0	261	110	0	2	0	0	0	2
1700	35	0	44	0	70	0	69	0	0	2	0	2	176	0	262	117	166	0	257	99	174	0	226	134	178	0	232	126	0	2	0	0	0	2
1800	34	0	41	0	64	0	67	0	0	2	0	2	171	0	228	120	167	0	229	122	170	0	191	143	173	0	191	150	0	2	0	0	0	2
1900	30	0	37	0	77	0	81	0	0	2	0	2	156	0	189	137	149	0	188	115	164	0	169	157	167	0	172	160	0	2	0	0	0	2
2000	36	0	44	0	77	0	80	0	0	2	0	2	155	0	182	129	151	0	178	115	151	0	153	147	156	0	160	153	0	2	0	0	0	2
2100	32	0	41	0	106	0	112	0	0	2	0	2	173	0	210	143	166	0	212	137	168	0	173	167	172	0	177	167	0	2	0	0	0	2
2200	39	0	42	0	96	0	101	0	0	2	0	2	164	0	187	120	162	0	178	132	171	0	175	168	175	0	178	171	0	2	0	0	0	2
2300	39	0	48	0	95	0	99	0	0	2	0	2	147	0	177	118	143	0	160	111	158	0	162	153	162	0	164	158	0	2	0	0	0	2
2400	41	0	45	0	67	0	68	0	0	2	0	2	97	0	116	89	93	0	112	87	135	0	144	129	142	0	150	135	0	2	0	0	0	2

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	S	D T 2	S	D T 3	S	D T 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	267	0	263	0	276	0	279	0	320	2	320	2	18	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
200	265	0	263	0	278	0	279	0	320	2	320	2	18	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	6
300	265	0	261	0	270	0	270	0	320	2	320	2	9	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
400	265	0	261	0	269	0	270	0	320	2	320	2	9	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
500	263	0	261	0	267	0	265	0	320	2	320	2	5	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
600	256	0	252	0	256	0	258	0	320	2	320	2	5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
700	256	0	252	0	256	0	256	0	320	2	320	2	4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
800	258	0	256	0	261	0	261	0	320	2	320	2	7	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	6
900	272	0	272	0	292	0	290	0	320	2	320	2	22	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1000	306	0	305	0	320	0	320	0	320	2	320	2	14	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1100	349	0	351	0	340	0	334	0	320	2	320	2	-16	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1200	379	0	383	0	367	0	360	0	320	2	320	2	-20	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1300	387	0	390	0	390	0	392	0	320	2	320	2	2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1400	383	0	385	0	379	0	374	0	320	2	320	2	-11	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	6
1500	405	0	405	0	392	0	383	0	320	2	320	2	-20	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1600	406	0	405	0	385	0	383	0	320	2	320	2	-22	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1700	406	0	406	0	387	0	387	0	320	2	320	2	-20	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1800	388	0	388	0	378	0	379	0	320	2	320	2	-9	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1900	347	0	347	0	367	0	369	0	320	2	320	2	22	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
2000	340	0	340	0	358	0	361	0	320	2	320	2	23	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
2100	322	0	322	0	352	0	354	0	320	2	320	2	34	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
2200	310	0	310	0	333	0	336	0	320	2	320	2	27	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
2300	297	0	297	0	325	0	327	0	320	2	320	2	29	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
2400	283	0	283	0	312	0	317	0	320	2	320	2	36	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	60	0	63	0	82	0	81	0	0	2	0	2	113	0	125	93	110	0	122	93	129	0	135	124	136	0	141	131	0	2	0	0	0	2
200	65	0	69	0	83	0	85	0	0	2	0	2	112	0	121	102	108	0	116	98	126	0	132	122	132	0	139	126	0	2	0	0	0	2
300	66	0	70	0	103	0	101	0	0	2	0	2	119	0	123	112	116	0	120	111	132	0	136	128	139	0	144	135	0	2	0	0	0	2
400	68	0	71	0	114	0	113	0	0	2	0	2	114	0	119	109	111	0	116	104	129	0	132	126	136	0	139	132	0	2	0	0	0	2
500	62	0	65	0	111	0	113	0	0	2	0	2	107	0	119	97	103	0	116	92	123	0	128	115	129	0	135	122	0	2	0	0	0	2
600	78	0	81	0	123	0	121	0	0	2	0	2	111	0	123	84	107	0	121	94	112	0	118	108	117	0	122	115	0	2	0	0	0	2
700	75	0	82	0	120	0	126	0	0	2	0	2	128	0	136	120	125	0	133	115	124	0	128	120	129	0	135	124	0	2	0	0	0	2
800	52	0	58	0	95	0	98	0	0	2	0	2	115	0	124	105	111	0	122	103	123	0	130	116	130	0	139	125	0	2	0	0	0	2
900	56	0	60	0	108	0	106	0	0	2	0	2	108	0	120	90	111	0	249	92	115	0	132	110	121	0	129	116	0	2	0	0	0	2
1000	77	0	81	0	113	0	113	0	0	2	0	2	120	0	135	96	122	0	258	99	117	0	128	108	122	0	133	110	0	2	0	0	0	2
1100	58	0	72	0	96	0	98	0	0	2	0	2	135	0	171	113	135	0	172	115	136	0	148	127	143	0	157	130	0	2	0	0	0	2
1200	37	0	45	0	49	0	52	0	0	2	0	2	134	0	164	104	133	0	268	98	139	0	176	116	145	0	178	122	0	2	0	0	0	2
1300	16	0	24	0	29	0	30	0	0	2	0	2	159	0	263	99	154	3	252	92	176	0	230	117	179	0	229	132	0	2	0	0	0	2
1400	23	0	32	0	36	0	42	0	0	2	0	2	313	3	358	240	305	0	352	245	305	0	355	241	302	0	340	245	0	2	0	0	0	2
1500	28	0	40	0	43	0	47	0	0	2	0	2	328	0	26	278	321	0	349	285	311	0	336	292	309	0	331	290	0	2	0	0	0	2
1600	38	0	45	0	62	0	67	0	0	2	0	2	318	0	345	255	309	0	336	273	320	0	339	302	317	0	342	269	0	2	0	0	0	2
1700	26	0	34	0	52	0	56	0	0	2	0	2	315	0	346	282	305	0	331	267	315	0	324	308	313	0	323	305	0	2	0	0	0	2
1800	15	0	21	0	42	0	45	0	0	2	0	2	39	3	131	299	31	3	129	279	356	0	38	336	355	0	40	334	0	2	0	0	0	2
1900	52	0	58	0	82	0	95	0	0	2	0	2	261	0	288	242	251	0	280	233	261	0	275	252	261	0	269	255	0	2	0	0	0	2
2000	69	0	0	2	123	0	0	2	0	2	0	2	233	0	208	262	0	2	0	0	231	0	217	250	0	2	0	0	0	2	0	0	0	2
2100	84	0	0	2	159	0	0	2	0	2	0	2	233	0	212	265	0	2	0	0	230	0	215	250	0	2	0	0	0	2	0	0	0	2
2200	121	0	0	2	182	0	0	2	0	2	0	2	247	0	220	287	0	2	0	0	230	0	217	247	0	2	0	0	0	2	0	0	0	2
2300	109	0	0	2	192	0	0	2	0	2	0	2	246	0	224	278	0	2	0	0	236	0	219	256	0	2	0	0	0	2	0	0	0	2
2400	142	0	0	2	190	0	0	2	0	2	0	2	255	0	231	276	0	2	0	0	247	0	233	263	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	278	0	276	0	297	0	299	0	320	2	320	2	25	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
200	276	0	274	0	292	0	294	0	320	2	320	2	22	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
300	267	0	265	0	294	0	296	0	320	2	320	2	31	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
400	256	0	254	0	305	0	306	0	320	2	320	2	52	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
500	254	0	252	0	299	0	301	0	320	2	320	2	49	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
600	256	0	254	0	287	0	287	0	320	2	320	2	32	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
700	263	0	261	0	281	0	281	0	320	2	320	2	18	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
800	274	0	274	0	299	0	299	0	320	2	320	2	27	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
900	279	0	281	0	314	0	312	0	320	2	320	2	34	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1000	301	0	301	0	312	0	310	0	320	2	320	2	13	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1100	322	0	317	0	314	0	312	0	320	2	320	2	-4	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1200	333	0	331	0	324	0	320	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1300	358	0	358	0	351	0	345	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	199	0
1400	334	0	334	0	327	0	325	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	200	0
1500	317	0	315	0	314	0	314	0	320	2	320	2	2	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	201	0
1600	306	0	306	0	299	0	299	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	202	0
1700	308	0	308	0	301	0	299	0	320	2	320	2	-7	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	201	6
1800	310	0	308	0	317	0	317	0	320	2	320	2	9	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	202	0
1900	303	0	301	0	299	0	297	0	320	2	320	2	-2	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	202	0
2000	282	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	279	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	312	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	312	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	299	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 50 A	S	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	115	0	0	2	190	0	0	2	0	2	0	2	264	0	240	289	0	2	0	0	251	0	239	271	0	2	0	0	0	2	0	0	0	2
200	142	0	0	2	171	0	0	2	0	2	0	2	251	0	221	267	0	2	0	0	239	0	215	264	0	2	0	0	0	2	0	0	0	2
300	113	0	0	2	140	0	0	2	0	2	0	2	238	0	206	256	0	2	0	0	208	0	193	232	0	2	0	0	0	2	0	0	0	2
400	96	0	0	2	150	0	0	2	0	2	0	2	242	0	206	272	0	2	0	0	226	0	195	251	0	2	0	0	0	2	0	0	0	2
500	117	0	0	2	177	0	0	2	0	2	0	2	235	0	210	263	0	2	0	0	232	0	209	258	0	2	0	0	0	2	0	0	0	2
600	155	0	0	2	246	0	0	2	0	2	0	2	253	0	220	287	0	2	0	0	248	0	229	272	0	2	0	0	0	2	0	0	0	2
700	150	0	0	2	252	0	0	2	0	2	0	2	262	0	232	301	0	2	0	0	262	0	245	280	0	2	0	0	0	2	0	0	0	2
800	219	0	0	2	292	0	0	2	0	2	0	2	275	0	248	308	0	2	0	0	311	0	302	328	0	2	0	0	0	2	0	0	0	2
900	273	0	0	2	334	0	0	2	0	2	0	2	352	0	316	30	0	2	0	0	339	0	327	356	0	2	0	0	0	2	0	0	0	2
1000	232	0	0	2	296	0	0	2	0	2	0	2	347	0	319	17	0	2	0	0	345	0	328	1	0	2	0	0	0	2	0	0	0	2
1100	192	0	0	2	271	0	0	2	0	2	0	2	352	0	317	30	0	2	0	0	341	0	321	359	0	2	0	0	0	2	0	0	0	2
1200	234	0	0	2	294	0	0	2	0	2	0	2	353	0	318	23	0	2	0	0	340	0	326	4	0	2	0	0	0	2	0	0	0	2
1300	198	0	0	2	259	0	0	2	0	2	0	2	355	0	316	28	0	2	0	0	337	0	325	354	0	2	0	0	0	2	0	0	0	2
1400	217	0	0	2	277	0	0	2	0	2	0	2	330	0	298	6	0	2	0	0	325	0	309	341	0	2	0	0	0	2	0	0	0	2
1500	217	0	0	2	296	0	0	2	0	2	0	2	328	0	298	1	0	2	0	0	334	0	321	345	0	2	0	0	0	2	0	0	0	2
1600	188	0	0	2	269	0	0	2	0	2	0	2	337	0	299	15	0	2	0	0	327	0	314	343	0	2	0	0	0	2	0	0	0	2
1700	192	0	0	2	271	0	0	2	0	2	0	2	348	0	318	24	0	2	0	0	335	0	318	355	0	2	0	0	0	2	0	0	0	2
1800	171	0	0	2	248	0	0	2	0	2	0	2	349	0	313	25	0	2	0	0	330	0	313	349	0	2	0	0	0	2	0	0	0	2
1900	177	0	0	2	261	0	0	2	0	2	0	2	321	0	303	349	0	2	0	0	338	0	325	1	0	2	0	0	0	2	0	0	0	2
2000	171	0	0	2	227	0	0	2	0	2	0	2	336	0	303	4	0	2	0	0	322	0	313	343	0	2	0	0	0	2	0	0	0	2
2100	180	0	0	2	242	0	0	2	0	2	0	2	325	0	299	11	0	2	0	0	331	0	321	346	0	2	0	0	0	2	0	0	0	2
2200	148	0	0	2	215	0	0	2	0	2	0	2	331	0	300	6	0	2	0	0	326	0	312	343	0	2	0	0	0	2	0	0	0	2
2300	161	0	0	2	192	0	0	2	0	2	0	2	338	0	307	12	0	2	0	0	325	0	303	348	0	2	0	0	0	2	0	0	0	2
2400	117	0	0	2	184	0	0	2	0	2	0	2	330	0	291	8	0	2	0	0	321	0	309	340	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	305	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	305	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	305	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	275	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	319	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	312	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	305	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	319	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	278	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	258	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	274	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	207	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	183	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	186	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	166	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	152	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	132	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	142	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	156	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	118	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	125	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	125	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	149	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	149	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	138	0	0	2	163	0	0	2	0	2	0	2	320	0	293	352	0	2	0	0	317	0	304	329	0	2	0	0	0	2	0	0	0	2
200	119	0	0	2	163	0	0	2	0	2	0	2	320	0	294	343	0	2	0	0	313	0	292	340	0	2	0	0	0	2	0	0	0	2
300	109	0	0	2	163	0	0	2	0	2	0	2	319	0	295	346	0	2	0	0	303	0	287	316	0	2	0	0	0	2	0	0	0	2
400	134	0	0	2	140	0	0	2	0	2	0	2	321	0	296	347	0	2	0	0	311	0	293	331	0	2	0	0	0	2	0	0	0	2
500	111	0	0	2	142	0	0	2	0	2	0	2	328	0	307	357	0	2	0	0	310	0	295	327	0	2	0	0	0	2	0	0	0	2
600	105	0	0	2	121	0	0	2	0	2	0	2	283	0	0	0	0	2	0	0	289	0	266	301	0	2	0	0	0	2	0	0	0	2
700	111	0	0	2	136	0	0	2	0	2	0	2	276	0	0	0	0	2	0	0	271	0	249	296	0	2	0	0	0	2	0	0	0	2
800	117	0	0	2	159	0	0	2	0	2	0	2	228	0	0	0	0	2	0	0	229	0	206	251	0	2	0	0	0	2	0	0	0	2
900	119	0	0	2	152	0	0	2	0	2	0	2	232	0	0	0	0	2	0	0	227	0	202	246	0	2	0	0	0	2	0	0	0	2
1000	107	0	0	2	138	0	0	2	0	2	0	2	235	0	0	0	0	2	0	0	224	0	206	249	0	2	0	0	0	2	0	0	0	2
1100	121	0	0	2	148	0	0	2	0	2	0	2	235	0	0	0	0	2	0	0	232	0	209	253	0	2	0	0	0	2	0	0	0	2
1200	102	0	0	2	115	0	0	2	0	2	0	2	237	0	0	0	0	2	0	0	235	0	214	262	0	2	0	0	0	2	0	0	0	2
1300	75	0	0	2	102	0	0	2	0	2	0	2	228	2	0	0	0	2	0	0	215	0	165	259	0	2	0	0	0	2	0	0	0	2
1400	105	0	0	2	132	0	0	2	0	2	0	2	229	2	0	0	0	2	0	0	194	0	173	226	0	2	0	0	0	2	0	0	0	2
1500	132	0	0	2	159	0	0	2	0	2	0	2	229	2	0	0	0	2	0	0	195	0	175	221	0	2	0	0	0	2	0	0	0	2
1600	138	0	0	2	169	0	0	2	0	2	0	2	227	2	0	0	0	2	0	0	204	0	184	227	0	2	0	0	0	2	0	0	0	2
1700	127	0	0	2	163	0	0	2	0	2	0	2	233	2	0	0	0	2	0	0	227	0	202	247	0	2	0	0	0	2	0	0	0	2
1800	119	0	0	2	184	0	0	2	0	2	0	2	221	2	0	0	0	2	0	0	208	0	191	229	0	2	0	0	0	2	0	0	0	2
1900	98	0	0	2	169	0	0	2	0	2	0	2	219	2	0	0	0	2	0	0	202	0	182	221	0	2	0	0	0	2	0	0	0	2
2000	86	0	0	2	167	0	0	2	0	2	0	2	210	2	0	0	0	2	0	0	201	0	179	231	0	2	0	0	0	2	0	0	0	2
2100	92	0	0	2	173	0	0	2	0	2	0	2	213	2	0	0	0	2	0	0	212	0	190	232	0	2	0	0	0	2	0	0	0	2
2200	151	0	0	2	217	0	0	2	0	2	0	2	227	2	0	0	0	2	0	0	215	0	187	236	0	2	0	0	0	2	0	0	0	2
2300	126	0	0	2	203	0	0	2	0	2	0	2	215	2	0	0	0	2	0	0	209	0	188	235	0	2	0	0	0	2	0	0	0	2
2400	136	0	0	2	213	0	0	2	0	2	0	2	220	2	0	0	0	2	0	0	209	0	187	235	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	149	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	142	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	142	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	159	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	166	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	142	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	132	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	57	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	71	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	101	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	132	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	139	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	180	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	176	0	0	2	0	2	0	2	0	2	0	2	-42	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	217	0	0	2	0	2	0	2	0	2	0	2	-37	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	220	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	203	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	220	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	237	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	177	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	121	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	232	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	245	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	248	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	148	0	0	2	226	0	0	2	0	2	0	2	221	2	0	0	0	2	0	0	199	0	170	220	0	2	0	0	0	2	0	0	0	2
200	155	0	0	2	217	0	0	2	0	2	0	2	227	2	0	0	0	2	0	0	197	0	170	220	0	2	0	0	0	2	0	0	0	2
300	134	0	0	2	240	0	0	2	0	2	0	2	223	2	0	0	0	2	0	0	200	0	179	226	0	2	0	0	0	2	0	0	0	2
400	167	0	0	2	253	0	0	2	0	2	0	2	221	2	0	0	0	2	0	0	204	0	176	232	0	2	0	0	0	2	0	0	0	2
500	169	0	0	2	265	0	0	2	0	2	0	2	215	0	174	263	0	2	0	0	197	0	167	224	0	2	0	0	0	2	0	0	0	2
600	173	0	0	2	290	0	0	2	0	2	0	2	212	0	163	260	0	2	0	0	202	0	179	231	0	2	0	0	0	2	0	0	0	2
700	186	0	0	2	226	0	0	2	0	2	0	2	232	0	193	272	0	2	0	0	202	0	179	228	0	2	0	0	0	2	0	0	0	2
800	167	0	0	2	246	0	0	2	0	2	0	2	219	0	191	262	0	2	0	0	203	0	178	227	0	2	0	0	0	2	0	0	0	2
900	194	0	0	2	238	0	0	2	0	2	0	2	223	0	195	259	0	2	0	0	217	0	187	235	0	2	0	0	0	2	0	0	0	2
1000	198	0	0	2	255	0	0	2	0	2	0	2	239	0	195	274	0	2	0	0	219	0	196	258	0	2	0	0	0	2	0	0	0	2
1100	203	0	0	2	255	0	0	2	0	2	0	2	232	0	196	272	0	2	0	0	220	0	190	247	0	2	0	0	0	2	0	0	0	2
1200	194	0	0	2	203	0	0	2	0	2	0	2	237	0	203	276	0	2	0	0	214	0	192	254	0	2	0	0	0	2	0	0	0	2
1300	246	0	0	2	317	0	0	2	0	2	0	2	248	0	219	277	0	2	0	0	227	0	205	254	0	2	0	0	0	2	0	0	0	2
1400	236	0	0	2	317	0	0	2	0	2	0	2	246	0	221	276	0	2	0	0	240	0	223	255	0	2	0	0	0	2	0	0	0	2
1500	170	0	183	0	245	0	266	0	0	2	0	2	267	0	296	244	259	0	298	227	265	0	275	258	264	0	274	254	0	2	0	0	0	2
1600	104	0	98	0	166	0	172	0	0	2	0	2	254	0	281	222	246	0	279	217	259	0	277	238	260	0	277	243	0	2	0	0	0	2
1700	123	0	130	0	205	0	222	0	0	2	0	2	281	0	335	244	277	0	329	237	286	0	324	252	283	0	348	246	0	2	0	0	0	2
1800	90	0	99	0	152	0	164	0	0	2	0	2	282	0	333	245	274	0	317	245	283	0	299	257	281	0	308	247	0	2	0	0	0	2
1900	146	0	158	0	226	0	241	0	0	2	0	2	286	0	317	253	279	0	311	250	285	0	316	240	283	0	310	254	0	2	0	0	0	2
2000	135	0	142	0	212	0	221	0	0	2	0	2	282	0	336	251	274	0	334	229	282	0	314	250	281	0	302	238	0	2	0	0	0	2
2100	166	0	177	0	245	0	265	0	0	2	0	2	286	0	336	251	280	0	328	237	285	0	308	258	282	0	306	255	0	2	0	0	0	2
2200	157	0	166	0	219	0	229	0	0	2	0	2	280	0	299	256	271	0	308	229	277	0	300	252	275	0	300	242	0	2	0	0	0	2
2300	152	0	161	0	212	0	223	0	0	2	0	2	284	0	337	244	279	0	326	244	286	0	328	246	283	0	312	244	0	2	0	0	0	2
2400	139	0	148	0	191	0	201	0	0	2	0	2	280	0	306	251	271	0	303	224	278	0	310	246	276	0	302	249	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	276	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	283	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	300	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	313	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	344	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	388	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	415	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	432	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	442	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	476	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	510	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	527	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	510	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	497	0	0	2	0	2	0	2	0	2	0	2	21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	396	0	396	0	419	0	419	0	320	2	320	2	23	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1600	394	0	394	0	406	0	405	0	320	2	320	2	13	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1700	388	0	387	0	401	0	401	0	320	2	320	2	14	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1800	383	0	381	0	387	0	387	0	320	2	320	2	7	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1900	381	0	379	0	390	0	390	0	320	2	320	2	13	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2000	376	0	376	0	383	0	381	0	320	2	320	2	7	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2100	370	0	369	0	369	0	369	0	320	2	320	2	2	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2200	361	0	361	0	358	0	358	0	320	2	320	2	-2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2300	356	0	354	0	351	0	352	0	320	2	320	2	-4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2400	351	0	349	0	345	0	345	0	320	2	320	2	-4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	152	0	161	0	192	0	211	0	0	2	0	2	291	0	356	240	283	0	311	231	285	0	323	250	284	0	304	251	0	2	0	0	0	2
200	187	0	185	0	268	0	278	0	0	2	0	2	295	0	329	271	287	0	311	266	297	0	309	288	294	0	337	287	0	2	0	0	0	2
300	183	0	190	0	256	0	263	0	0	2	0	2	341	0	18	289	331	0	4	289	352	0	50	317	331	0	350	294	0	2	0	0	0	2
400	178	0	192	0	263	0	271	0	0	2	0	2	336	0	25	284	328	0	357	257	330	0	344	310	327	0	352	312	0	2	0	0	0	2
500	147	0	159	0	242	0	251	0	0	2	0	2	328	0	6	285	319	0	5	278	326	0	340	310	322	0	340	307	0	2	0	0	0	2
600	165	0	172	0	244	0	249	0	0	2	0	2	329	0	4	298	318	0	351	280	326	0	336	313	323	0	334	311	0	2	0	0	0	2
700	210	0	220	0	301	0	303	0	0	2	0	2	319	0	5	271	311	0	359	273	328	0	32	310	315	0	326	307	0	2	0	0	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
900	187	0	202	0	258	0	255	0	0	2	0	2	320	0	14	291	309	0	7	278	328	0	39	298	314	0	331	296	0	2	0	0	0	2
1000	197	0	207	0	236	0	250	0	0	2	0	2	308	0	346	283	300	0	325	269	319	0	30	280	307	0	319	288	0	2	0	0	0	2
1100	179	0	181	0	233	0	234	0	0	2	0	2	309	0	346	278	302	0	338	265	326	0	46	294	307	0	331	285	0	2	0	0	0	2
1200	191	0	201	0	247	0	247	0	0	2	0	2	307	0	340	273	298	0	319	270	310	0	5	289	301	0	326	290	0	2	0	0	0	2
1300	192	0	191	0	240	0	240	0	0	2	0	2	303	0	343	275	296	0	324	251	309	0	7	286	301	0	340	277	0	2	0	0	0	2
1400	171	0	177	0	208	0	219	0	0	2	0	2	294	0	349	255	285	0	330	240	307	0	81	270	287	0	305	256	0	2	0	0	0	2
1500	163	0	170	0	189	0	202	0	0	2	0	2	290	0	354	226	280	0	325	233	280	0	321	244	280	0	308	239	0	2	0	0	0	2
1600	170	0	176	0	202	0	213	0	0	2	0	2	271	0	305	231	261	0	293	235	268	0	304	242	267	0	296	240	0	2	0	0	0	2
1700	205	0	214	0	238	0	247	0	0	2	0	2	273	0	294	245	266	0	300	228	282	0	356	255	271	0	300	247	0	2	0	0	0	2
1800	178	0	185	0	223	0	232	0	0	2	0	2	275	0	305	237	267	0	302	225	274	0	346	244	272	0	303	243	0	2	0	0	0	2
1700	214	0	226	0	252	0	261	0	0	2	0	2	274	0	310	254	267	0	359	236	271	0	321	251	267	0	285	250	0	2	0	0	0	2
2000	254	0	271	0	291	0	304	0	0	2	0	2	274	0	294	255	265	0	295	239	276	0	358	255	269	0	290	241	0	2	0	0	0	2
2100	228	0	234	0	282	0	287	0	0	2	0	2	281	0	357	243	273	0	307	220	278	0	310	242	275	0	311	249	0	2	0	0	0	2
2200	220	0	239	0	277	0	287	0	0	2	0	2	286	0	352	254	282	0	333	234	285	0	353	240	280	0	318	249	0	2	0	0	0	2
2300	265	0	273	0	339	0	353	0	0	2	0	2	292	0	312	266	287	0	318	253	302	0	84	272	288	0	325	261	0	2	0	0	0	2
2400	222	0	230	0	277	0	291	0	0	2	0	2	291	0	351	259	283	0	313	245	285	0	320	240	285	0	312	245	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	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	340	0	342	0	320	2	320	2	-4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
200	340	0	338	0	336	0	336	0	320	2	320	2	2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
300	305	0	305	0	297	0	297	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
400	287	0	285	0	278	0	276	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	200	0	198	0	189	0	189	0	320	2	320	2	-9	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1100	197	0	195	0	186	0	184	0	320	2	320	2	-11	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1200	202	0	207	0	188	0	186	0	320	2	320	2	-16	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1300	209	0	209	0	195	0	191	0	320	2	320	2	-18	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1400	224	0	224	0	207	0	204	0	320	2	320	2	-18	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1500	233	0	233	0	218	0	215	0	320	2	320	2	-16	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1600	236	0	236	0	227	0	225	0	320	2	320	2	-11	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1700	242	0	240	0	231	0	231	0	320	2	320	2	-9	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1800	245	0	243	0	236	0	236	0	320	2	320	2	-9	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1700	243	0	242	0	233	0	233	0	320	2	320	2	-9	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2000	251	0	249	0	242	0	242	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2100	252	0	251	0	243	0	243	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2200	252	0	251	0	243	0	243	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
2300	251	0	251	0	243	0	243	0	320	2	320	2	-7	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2400	249	0	249	0	240	0	240	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	251	0	247	0	340	0	353	0	0	2	0	2	297	0	352	269	289	0	311	267	301	0	70	284	294	0	308	283	0	2	0	0	0	2
200	180	0	186	0	226	0	234	0	0	2	0	2	294	0	3	271	289	0	325	257	293	0	332	256	290	0	308	245	0	2	0	0	0	2
300	181	0	189	0	220	0	228	0	0	2	0	2	290	0	352	255	289	0	324	239	292	0	309	254	291	0	320	256	0	2	0	0	0	2
400	142	0	144	0	185	0	191	0	0	2	0	2	293	0	4	273	290	0	319	234	299	0	349	280	295	0	312	276	0	2	0	0	0	2
500	158	0	168	0	192	0	202	0	0	2	0	2	285	0	298	256	284	0	324	244	289	0	315	247	286	0	319	234	0	2	0	0	0	2
600	146	0	158	0	192	0	203	0	0	2	0	2	294	0	338	244	286	0	321	235	287	0	305	250	285	0	313	251	0	2	0	0	0	2
700	142	0	145	0	172	0	182	0	0	2	0	2	287	0	359	231	277	0	323	229	283	0	311	247	282	0	302	239	0	2	0	0	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
900	156	0	161	0	199	0	201	0	0	2	0	2	277	0	304	192	270	0	309	212	280	0	347	232	277	0	308	238	0	2	0	0	0	2
1000	162	0	174	0	194	0	204	0	0	2	0	2	278	0	295	252	274	0	317	224	282	0	326	251	279	0	306	252	0	2	0	0	0	2
1100	169	0	174	0	214	0	221	0	0	2	0	2	274	0	296	252	267	0	313	180	274	0	354	246	271	0	305	239	0	2	0	0	0	2
1200	167	0	178	0	214	0	220	0	0	2	0	2	280	0	358	253	276	0	315	235	279	0	329	247	276	0	317	242	0	2	0	0	0	2
1300	178	0	192	0	209	0	225	0	0	2	0	2	285	0	335	254	279	0	329	233	285	0	358	247	283	0	323	259	0	2	0	0	0	2
1400	197	0	205	0	232	0	249	0	0	2	0	2	289	0	356	256	286	0	318	246	288	0	353	259	286	0	304	263	0	2	0	0	0	2
1500	177	0	190	0	216	0	227	0	0	2	0	2	286	0	296	191	285	0	319	244	286	0	319	252	284	0	308	240	0	2	0	0	0	2
1600	161	0	158	0	222	0	232	0	0	2	0	2	291	0	6	270	290	0	359	258	294	0	327	277	294	0	349	280	0	2	0	0	0	2
1700	163	0	173	0	207	0	219	0	0	2	0	2	286	0	358	254	280	0	330	234	286	0	340	228	282	0	308	254	0	2	0	0	0	2
1800	177	0	181	0	212	0	222	0	0	2	0	2	282	0	359	183	278	0	314	238	285	0	324	246	282	0	307	257	0	2	0	0	0	2
1900	164	0	171	0	206	0	220	0	0	2	0	2	289	0	357	253	284	0	313	245	289	0	333	250	285	0	305	255	0	2	0	0	0	2
2000	180	0	184	0	213	0	226	0	0	2	0	2	293	0	359	261	286	0	312	247	291	0	322	257	288	0	309	244	0	2	0	0	0	2
2100	183	0	187	0	214	0	225	0	0	2	0	2	285	0	357	253	279	0	324	240	286	0	343	241	281	0	300	243	0	2	0	0	0	2
2200	180	0	187	0	234	0	242	0	0	2	0	2	289	0	355	256	284	0	336	246	289	0	334	252	286	0	303	222	0	2	0	0	0	2
2300	174	0	187	0	208	0	219	0	0	2	0	2	288	0	358	256	287	0	320	245	297	0	342	248	289	0	307	246	0	2	0	0	0	2
2400	173	0	179	0	211	0	221	0	0	2	0	2	292	0	3	271	290	0	319	253	293	0	308	259	293	0	348	263	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	234	0	233	0	224	0	224	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
200	225	0	224	0	215	0	215	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
300	216	0	215	0	206	0	206	0	320	2	320	2	-9	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
400	215	0	215	0	206	0	206	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
500	215	0	215	0	206	0	206	0	320	2	320	2	-9	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
600	218	0	216	0	207	0	207	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
700	215	0	213	0	204	0	204	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
800	211	2	209	2	200	2	200	2	320	2	320	2	-9	2	-23	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
900	213	0	213	0	202	0	202	0	320	2	320	2	-9	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1000	213	0	213	0	202	0	202	0	320	2	320	2	-11	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1100	215	0	215	0	204	0	202	0	320	2	320	2	-11	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1200	213	0	213	0	200	0	200	0	320	2	320	2	-13	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1300	211	0	211	0	198	0	197	0	320	2	320	2	-13	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1400	218	0	216	0	206	0	204	0	320	2	320	2	-14	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1500	224	0	222	0	211	0	209	0	320	2	320	2	-13	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1600	225	0	225	0	213	0	211	0	320	2	320	2	-14	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1700	231	0	229	0	220	0	218	0	320	2	320	2	-9	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1800	231	0	229	0	220	0	220	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1900	231	0	229	0	222	0	222	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2000	231	0	231	0	222	0	222	0	320	2	320	2	-7	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2100	231	0	229	0	222	0	222	0	320	2	320	2	-7	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2200	225	0	224	0	215	0	215	0	320	2	320	2	-7	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2300	215	0	215	0	206	0	206	0	320	2	320	2	-9	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2400	207	0	207	0	198	0	198	0	320	2	320	2	-9	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	138	0	144	0	177	0	182	0	0	2	0	2	293	0	16	271	293	0	338	262	297	0	341	252	295	0	321	262	0	2	0	0	0	2
200	140	0	147	0	168	0	177	0	0	2	0	2	292	0	356	260	289	0	319	262	295	0	318	247	291	0	311	245	0	2	0	0	0	2
300	135	0	143	0	165	0	174	0	0	2	0	2	291	0	2	272	287	0	314	246	292	0	315	252	289	0	304	237	0	2	0	0	0	2
400	123	0	131	0	159	0	165	0	0	2	0	2	294	0	0	276	293	0	325	272	300	0	25	279	294	0	307	266	0	2	0	0	0	2
500	122	0	127	0	152	0	154	0	0	2	0	2	295	0	4	274	292	0	321	257	305	0	34	291	298	0	336	289	0	2	0	0	0	2
600	127	0	133	0	161	0	167	0	0	2	0	2	291	0	8	274	291	0	318	262	298	0	15	286	292	0	305	244	0	2	0	0	0	2
700	118	0	122	0	161	0	161	0	0	2	0	2	294	0	35	271	294	0	325	265	303	0	6	282	299	0	325	284	0	2	0	0	0	2
800	120	0	121	0	152	0	159	0	0	2	0	2	290	0	359	261	293	0	358	263	298	0	325	271	294	0	325	239	0	2	0	0	0	2
900	134	0	129	0	168	0	167	0	0	2	0	2	293	0	40	276	301	0	0	273	303	0	346	290	300	0	5	288	0	2	0	0	0	2
1000	132	0	137	0	171	0	176	0	0	2	0	2	293	0	6	277	296	0	323	261	299	0	339	276	296	0	308	285	0	2	0	0	0	2
1100	137	0	140	0	177	0	181	0	0	2	0	2	298	0	11	276	293	0	322	256	300	0	357	286	296	0	311	284	0	2	0	0	0	2
1200	147	0	140	0	186	0	188	0	0	2	0	2	294	0	17	277	294	0	359	255	302	0	7	285	299	0	326	281	0	2	0	0	0	2
1300	137	0	141	0	176	0	179	0	0	2	0	2	299	0	34	274	295	0	320	256	305	0	335	275	301	0	318	279	0	2	0	0	0	2
1400	117	0	126	0	150	0	153	0	0	2	0	2	301	0	22	274	301	0	337	268	308	0	37	287	304	0	330	269	0	2	0	0	0	2
1500	79	0	108	0	127	0	133	0	0	2	0	2	289	0	17	274	299	0	328	256	305	0	338	277	302	0	23	272	0	2	0	0	0	2
1600	86	0	0	2	136	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	312	0	290	335	0	2	0	0	0	2	0	0	0	2
1700	86	0	0	2	138	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	298	0	280	320	0	2	0	0	0	2	0	0	0	2
1800	78	0	0	2	90	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	298	0	282	320	0	2	0	0	0	2	0	0	0	2
1900	69	0	0	2	86	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	291	0	272	311	0	2	0	0	0	2	0	0	0	2
2000	53	0	0	2	101	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	265	0	246	292	0	2	0	0	0	2	0	0	0	2
2100	69	0	0	2	119	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	222	0	211	242	0	2	0	0	0	2	0	0	0	2
2200	82	0	0	2	146	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	233	0	218	248	0	2	0	0	0	2	0	0	0	2
2300	82	0	0	2	146	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	251	0	237	276	0	2	0	0	0	2	0	0	0	2
2400	167	0	0	2	203	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	271	0	260	293	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	204	0	204	0	195	0	195	0	320	2	320	2	-9	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
200	202	0	200	0	191	0	191	0	320	2	320	2	-9	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
300	198	0	198	0	188	0	189	0	320	2	320	2	-9	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
400	197	0	195	0	188	0	186	0	320	2	320	2	-9	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
500	193	0	191	0	184	0	184	0	320	2	320	2	-9	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
600	193	0	191	0	184	0	182	0	320	2	320	2	-9	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
700	191	0	191	0	182	0	182	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
800	189	0	191	0	180	0	180	0	320	2	320	2	-9	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
900	188	0	186	0	179	0	175	0	320	2	320	2	-11	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1000	189	0	189	0	179	0	177	0	320	2	320	2	-13	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1100	198	0	202	0	189	0	182	0	320	2	320	2	-18	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1200	204	0	204	0	189	0	186	0	320	2	320	2	-18	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1300	220	0	222	0	202	0	195	0	320	2	320	2	-25	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1400	207	0	207	0	195	0	191	0	320	2	320	2	-14	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1500	209	0	209	0	197	0	193	0	320	2	320	2	-14	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1600	167	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	157	0	0	2	0	2	0	2	0	2	0	2	-33	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	194	0	0	2	0	2	0	2	0	2	0	2	-35	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	208	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	201	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	167	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	177	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	184	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	15	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	173	0	0	2	219	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	269	0	258	283	0	2	0	0	0	2	0	0	0	2
200	121	0	0	2	148	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	227	0	212	245	0	2	0	0	0	2	0	0	0	2
300	90	0	0	2	148	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	220	0	203	240	0	2	0	0	0	2	0	0	0	2
400	80	0	0	2	148	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	222	0	204	236	0	2	0	0	0	2	0	0	0	2
500	82	0	0	2	167	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	207	0	195	223	0	2	0	0	0	2	0	0	0	2
600	113	0	0	2	190	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	209	0	195	227	0	2	0	0	0	2	0	0	0	2
700	151	0	0	2	215	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	214	0	195	233	0	2	0	0	0	2	0	0	0	2
800	176	0	0	2	240	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	214	0	183	231	0	2	0	0	0	2	0	0	0	2
900	194	0	0	2	255	0	0	2	0	2	0	2	231	0	208	254	0	2	0	0	231	0	208	254	0	2	0	0	0	2	0	0	0	2
1000	223	0	0	2	278	0	0	2	0	2	0	2	231	0	202	254	0	2	0	0	231	0	202	254	0	2	0	0	0	2	0	0	0	2
1100	276	0	0	2	259	0	0	2	0	2	0	2	237	0	203	259	0	2	0	0	237	0	203	259	0	2	0	0	0	2	0	0	0	2
1200	196	0	0	2	255	0	0	2	0	2	0	2	244	0	204	259	0	2	0	0	244	0	204	259	0	2	0	0	0	2	0	0	0	2
1300	221	0	0	2	273	0	0	2	0	2	0	2	246	0	213	262	0	2	0	0	246	0	213	262	0	2	0	0	0	2	0	0	0	2
1400	198	0	177	0	290	0	268	0	0	2	0	2	242	0	267	212	242	0	267	212	248	0	223	263	237	0	249	222	0	2	0	0	0	2
1500	176	0	189	0	272	0	263	0	0	2	0	2	270	0	295	254	263	0	295	244	255	0	264	219	257	0	267	252	0	2	0	0	0	2
1600	150	0	156	0	267	0	245	0	0	2	0	2	264	0	295	189	256	0	284	234	255	0	261	220	255	0	261	248	0	2	0	0	0	2
1700	120	0	129	0	234	0	261	0	0	2	0	2	263	0	285	228	253	0	273	228	260	0	269	215	261	0	266	252	0	2	0	0	0	2
1800	121	0	130	0	209	0	216	0	0	2	0	2	269	0	287	253	259	0	278	233	277	0	286	258	274	0	293	262	0	2	0	0	0	2
1900	116	0	128	0	207	0	215	0	0	2	0	2	274	0	296	253	264	0	284	245	276	0	287	259	274	0	293	260	0	2	0	0	0	2
2000	94	0	103	0	168	0	179	0	0	2	0	2	277	0	297	253	267	0	300	246	283	0	298	264	279	0	296	262	0	2	0	0	0	2
2100	76	0	83	0	144	0	150	0	0	2	0	2	276	0	297	256	268	0	317	239	290	0	314	269	285	0	311	254	0	2	0	0	0	2
2200	81	0	91	0	169	0	173	0	0	2	0	2	284	0	297	259	281	0	325	246	295	0	317	276	292	0	316	251	0	2	0	0	0	2
2300	64	0	70	0	127	0	129	0	0	2	0	2	340	0	59	277	330	0	16	296	333	0	352	315	331	0	17	315	0	2	0	0	0	2
2400	45	0	52	0	82	0	81	0	0	2	0	2	350	0	5	344	338	0	353	325	3	0	18	355	6	0	177	356	0	2	0	0	0	2

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 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	225	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	218	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	191	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	174	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	194	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	215	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	265	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	306	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	310	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	354	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	344	0	0	2	0	2	0	2	0	2	0	2	-28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	368	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	412	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	412	0	415	0	423	0	421	0	320	2	320	2	5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1500	412	0	412	0	430	0	430	0	320	2	320	2	20	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1600	412	0	412	0	442	0	442	0	320	2	320	2	31	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1700	385	0	383	0	433	0	433	0	320	2	320	2	50	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1800	374	0	374	0	419	0	421	0	320	2	320	2	49	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1900	383	0	383	0	410	0	410	0	320	2	320	2	29	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2000	376	0	374	0	401	0	401	0	320	2	320	2	29	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2100	367	0	365	0	390	0	392	0	320	2	320	2	29	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2200	372	0	372	0	396	0	396	0	320	2	320	2	27	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2300	365	0	365	0	383	0	381	0	320	2	320	2	18	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2400	347	0	347	0	378	0	376	0	320	2	320	2	31	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	67	0	71	0	105	0	101	0	0	2	0	2	18	0	94	344	13	0	39	329	21	0	30	8	25	0	56	10	0	2	0	0	0	2
200	94	0	95	0	138	0	133	0	0	2	0	2	21	0	28	9	23	0	51	358	16	0	28	5	18	0	28	2	0	2	0	0	0	2
300	114	0	116	0	151	0	147	0	0	2	0	2	39	0	95	8	35	0	65	275	29	0	67	6	31	0	66	8	0	2	0	0	0	2
400	96	0	97	0	144	0	137	0	0	2	0	2	24	0	95	5	23	0	50	347	16	0	40	346	18	0	46	357	0	2	0	0	0	2
500	114	0	117	0	160	0	155	0	0	2	0	2	25	0	94	7	25	0	63	344	15	0	44	352	16	0	46	335	0	2	0	0	0	2
600	102	0	106	0	146	0	145	0	0	2	0	2	29	0	95	8	31	0	74	4	20	0	45	358	22	0	46	352	0	2	0	0	0	2
700	143	0	144	0	203	0	195	0	0	2	0	2	25	0	91	348	21	0	76	346	9	0	35	338	11	0	43	339	0	2	0	0	0	2
800	152	0	159	0	217	0	210	0	0	2	0	2	22	0	92	351	21	0	59	314	9	0	36	344	11	0	40	320	0	2	0	0	0	2
900	148	0	155	0	189	0	183	0	0	2	0	2	29	0	95	7	27	0	54	354	19	0	43	338	21	0	46	342	0	2	0	0	0	2
1000	130	0	133	0	167	0	162	0	0	2	0	2	27	0	95	4	30	0	67	341	16	0	44	336	17	0	48	349	0	2	0	0	0	2
1100	156	0	162	0	195	0	188	0	0	2	0	2	31	0	94	5	29	0	77	341	17	0	40	339	19	0	52	347	0	2	0	0	0	2
1200	147	0	153	0	176	0	169	0	0	2	0	2	31	0	95	8	29	0	67	359	20	0	54	326	21	0	47	323	0	2	0	0	0	2
1300	128	0	135	0	158	0	157	0	0	2	0	2	20	0	94	338	17	0	66	325	9	0	45	328	10	0	38	329	0	2	0	0	0	2
1400	81	0	83	0	117	0	119	0	0	2	0	2	14	0	92	279	10	0	85	290	358	0	67	302	359	0	49	312	0	2	0	0	0	2
1500	80	0	89	0	116	0	117	0	0	2	0	2	24	0	104	281	16	0	67	308	6	0	40	316	3	0	61	325	0	2	0	0	0	2
1600	71	0	74	0	105	0	104	0	0	2	0	2	1	0	92	276	351	0	105	276	357	0	39	316	356	0	50	318	0	2	0	0	0	2
1700	53	0	57	0	90	0	89	0	0	2	0	2	3	0	93	277	355	0	106	279	354	0	50	270	352	0	29	302	0	2	0	0	0	2
1800	59	0	67	0	86	0	84	0	0	2	0	2	28	0	94	5	21	0	61	307	8	0	35	326	8	0	44	308	0	2	0	0	0	2
1900	57	0	63	0	102	0	101	0	0	2	0	2	16	0	28	355	14	0	61	308	1	0	12	342	2	0	11	340	0	2	0	0	0	2
2000	57	0	61	0	109	0	109	0	0	2	0	2	22	0	94	0	18	0	45	336	4	0	9	1	5	0	14	1	0	2	0	0	0	2
2100	62	0	65	0	108	0	104	0	0	2	0	2	22	0	94	3	20	0	44	358	7	0	19	354	9	0	22	0	0	2	0	0	0	2
2200	31	0	41	0	61	0	68	0	0	2	0	2	79	0	92	74	66	0	78	49	40	0	43	29	43	0	78	34	0	2	0	0	0	2
2300	41	0	48	0	42	0	42	0	0	2	0	2	171	0	184	98	153	0	173	138	103	0	135	84	108	0	154	89	0	2	0	0	0	2
2400	48	0	54	0	62	0	63	0	0	2	0	2	167	0	183	96	158	0	178	137	129	0	138	124	134	0	143	126	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	S	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	356	0	356	0	320	2	320	2	18	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
200	324	0	322	0	333	0	334	0	320	2	320	2	13	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
300	306	0	308	0	299	0	297	0	320	2	320	2	-7	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
400	296	0	296	0	287	0	287	0	320	2	320	2	-7	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
500	292	0	292	0	285	0	283	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
600	290	0	290	0	283	0	281	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
700	306	0	305	0	297	0	297	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
800	285	0	283	0	274	0	274	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
900	288	0	288	0	283	0	283	0	320	2	320	2	-4	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1000	299	0	297	0	290	0	292	0	320	2	320	2	-5	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1100	296	0	294	0	288	0	288	0	320	2	320	2	-4	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1200	294	0	292	0	288	0	288	0	320	2	320	2	2	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1300	305	0	301	0	296	0	296	0	320	2	320	2	-5	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1400	322	0	317	0	306	0	305	0	320	2	320	2	-13	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1500	320	0	315	0	308	0	306	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1600	322	0	322	0	308	0	306	0	320	2	320	2	-11	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1700	314	0	312	0	301	0	301	0	320	2	320	2	-11	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1800	301	0	299	0	288	0	290	0	320	2	320	2	-9	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1900	287	0	287	0	281	0	279	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
2000	285	0	285	0	283	0	283	0	320	2	320	2	2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2100	287	0	287	0	285	0	285	0	320	2	320	2	2	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2200	272	0	270	0	279	0	279	0	320	2	320	2	11	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2300	267	0	265	0	265	0	270	0	320	2	320	2	5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	261	0	260	0	267	0	269	0	320	2	320	2	9	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	52	0	59	0	76	0	77	0	0	2	0	2	175	0	207	98	168	0	189	122	146	0	149	142	150	0	153	147	0	2	0	0	0	2
200	54	0	61	0	102	0	105	0	0	2	0	2	178	0	207	99	174	0	211	139	160	0	163	155	163	0	166	158	0	2	0	0	0	2
300	61	0	67	0	143	0	146	0	0	2	0	2	168	0	203	96	155	0	184	128	161	0	163	159	164	0	167	161	0	2	0	0	0	2
400	53	0	60	0	129	0	136	0	0	2	0	2	173	0	206	97	164	0	206	128	167	0	175	153	171	0	183	160	0	2	0	0	0	2
500	60	0	66	0	138	0	139	0	0	2	0	2	182	0	207	96	172	0	215	122	175	0	192	153	178	0	198	164	0	2	0	0	0	2
600	61	0	66	0	129	0	116	0	0	2	0	2	191	0	207	165	185	0	247	138	184	0	203	169	186	0	201	173	0	2	0	0	0	2
700	62	0	63	0	127	0	110	0	0	2	0	2	204	0	269	167	202	0	240	149	198	0	215	179	200	0	218	188	0	2	0	0	0	2
800	62	0	63	0	132	0	115	0	0	2	0	2	204	0	269	163	202	0	256	143	196	0	215	172	198	0	213	181	0	2	0	0	0	2
900	65	0	64	0	111	0	96	0	0	2	0	2	201	0	267	110	209	0	267	160	200	0	229	147	203	0	228	179	0	2	0	0	0	2
1000	98	0	94	0	140	0	122	0	0	2	0	2	232	0	297	187	226	0	267	177	215	0	247	174	214	0	241	176	0	2	0	0	0	2
1100	97	0	91	0	132	0	117	0	0	2	0	2	236	0	294	186	225	0	269	161	219	0	258	175	219	0	248	184	0	2	0	0	0	2
1200	92	0	85	0	133	0	118	0	0	2	0	2	238	0	283	183	229	0	312	184	213	0	252	175	216	0	258	171	0	2	0	0	0	2
1300	100	0	90	0	130	0	117	0	0	2	0	2	246	0	288	188	233	0	291	199	224	0	255	187	223	0	252	180	0	2	0	0	0	2
1400	124	0	113	0	160	0	144	0	0	2	0	2	246	0	275	185	232	0	262	191	222	0	260	160	223	0	253	179	0	2	0	0	0	2
1500	87	0	79	0	123	0	110	0	0	2	0	2	248	0	295	189	236	0	279	195	230	0	271	198	229	0	260	201	0	2	0	0	0	2
1600	94	0	87	0	143	0	130	0	0	2	0	2	245	0	298	182	227	0	267	173	218	0	249	182	217	0	242	190	0	2	0	0	0	2
1700	115	0	103	0	185	0	173	0	0	2	0	2	255	0	287	189	241	0	278	204	240	0	252	197	240	0	251	213	0	2	0	0	0	2
1800	124	0	110	0	215	0	201	0	0	2	0	2	258	0	284	189	240	0	273	212	242	0	258	218	241	0	251	231	0	2	0	0	0	2
1900	134	0	142	0	223	0	211	0	0	2	0	2	269	0	297	254	257	0	297	223	258	0	271	231	257	0	272	246	0	2	0	0	0	2
2000	147	0	158	0	247	0	256	0	0	2	0	2	323	0	8	277	310	0	335	262	329	0	358	313	321	0	337	310	0	2	0	0	0	2
2100	115	0	120	0	191	0	197	0	0	2	0	2	332	0	36	277	313	0	334	269	325	0	334	316	323	0	330	312	0	2	0	0	0	2
2200	110	0	118	0	174	0	171	0	0	2	0	2	302	0	7	273	303	0	319	281	314	0	333	309	312	0	323	305	0	2	0	0	0	2
2300	124	0	129	0	202	0	208	0	0	2	0	2	291	0	2	276	294	0	319	267	305	0	344	297	300	0	306	294	0	2	0	0	0	2
2400	161	0	163	0	219	0	234	0	0	2	0	2	291	0	358	256	285	0	313	258	292	0	357	260	290	0	320	274	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	256	0	256	0	274	0	278	0	320	2	320	2	22	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
200	249	0	249	0	272	0	272	0	320	2	320	2	25	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
300	238	0	238	0	267	0	267	0	320	2	320	2	31	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
400	238	0	238	0	256	0	256	0	320	2	320	2	20	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
500	236	0	236	0	245	0	245	0	320	2	320	2	11	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
600	236	0	234	0	240	0	240	0	320	2	320	2	9	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
700	238	0	236	0	242	0	243	0	320	2	320	2	9	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
800	243	0	243	0	247	0	247	0	320	2	320	2	5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
900	270	0	269	0	261	0	261	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1000	314	0	314	0	301	0	297	0	320	2	320	2	-14	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1100	334	0	336	0	322	0	315	0	320	2	320	2	-20	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1200	358	0	360	0	340	0	336	0	320	2	320	2	-22	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1300	378	0	378	0	358	0	354	0	320	2	320	2	-22	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1400	394	0	396	0	374	0	370	0	320	2	320	2	-25	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1500	401	0	403	0	385	0	381	0	320	2	320	2	-20	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1600	417	0	417	0	403	0	401	0	320	2	320	2	-14	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1700	388	0	388	0	396	0	396	0	320	2	320	2	7	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1800	379	0	379	0	390	0	390	0	320	2	320	2	13	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1900	367	0	365	0	387	0	387	0	320	2	320	2	23	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2000	370	0	369	0	372	0	372	0	320	2	320	2	4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2100	349	0	349	0	349	0	351	0	320	2	320	2	2	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2200	349	0	349	0	352	0	352	0	320	2	320	2	5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2300	342	0	340	0	352	0	352	0	320	2	320	2	13	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2400	352	0	351	0	358	0	358	0	320	2	320	2	5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	144	0	150	0	226	0	232	0	0	2	0	2	293	0	359	279	290	0	319	264	301	0	307	291	297	0	304	284	0	2	0	0	0	2
200	112	0	121	0	182	0	184	0	0	2	0	2	291	0	2	279	294	0	316	262	305	0	312	297	303	0	308	296	0	2	0	0	0	2
300	101	0	109	0	169	0	164	0	0	2	0	2	301	0	4	278	302	0	320	272	313	0	321	306	309	0	321	218	0	2	0	0	0	2
400	94	0	0	2	169	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	309	0	296	317	0	2	0	0	0	2	0	0	0	2
500	102	0	0	2	136	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	292	0	275	308	0	2	0	0	0	2	0	0	0	2
600	88	0	0	2	142	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	299	0	286	314	0	2	0	0	0	2	0	0	0	2
700	61	0	0	2	150	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	303	0	294	314	0	2	0	0	0	2	0	0	0	2
800	80	0	0	2	134	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	293	0	275	313	0	2	0	0	0	2	0	0	0	2
900	73	0	0	2	92	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	257	0	240	278	0	2	0	0	0	2	0	0	0	2
1000	102	0	0	2	117	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	268	0	247	277	0	2	0	0	0	2	0	0	0	2
1100	86	0	0	2	102	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	267	0	248	283	0	2	0	0	0	2	0	0	0	2
1200	84	0	0	2	100	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	277	0	254	307	0	2	0	0	0	2	0	0	0	2
1300	90	0	0	2	109	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	273	0	246	291	0	2	0	0	0	2	0	0	0	2
1400	102	0	0	2	109	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	250	0	237	267	0	2	0	0	0	2	0	0	0	2
1500	63	0	0	2	98	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	259	0	240	302	0	2	0	0	0	2	0	0	0	2
1600	65	0	0	2	82	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	249	0	244	259	0	2	0	0	0	2	0	0	0	2
1700	48	0	0	2	90	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	239	0	226	262	0	2	0	0	0	2	0	0	0	2
1800	52	0	0	2	82	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	255	0	241	263	0	2	0	0	0	2	0	0	0	2
1900	59	0	0	2	113	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	300	0	284	313	0	2	0	0	0	2	0	0	0	2
2000	36	0	0	2	52	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	35	0	25	43	0	2	0	0	0	2	0	0	0	2
2100	59	0	0	2	34	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	183	0	147	211	0	2	0	0	0	2	0	0	0	2
2200	42	0	0	2	48	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	307	0	284	338	0	2	0	0	0	2	0	0	0	2
2300	84	0	0	2	100	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	33	0	20	51	0	2	0	0	0	2	0	0	0	2
2400	61	0	0	2	105	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	43	0	35	55	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	343	0	343	0	351	0	351	0	320	2	320	2	9	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
200	334	0	333	0	340	0	342	0	320	2	320	2	9	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
300	334	0	334	0	336	0	338	0	320	2	320	2	5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
400	326	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	322	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	319	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	319	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	343	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	322	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	353	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	367	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	394	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	404	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	384	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	407	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	367	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	380	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	390	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	346	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	316	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	346	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	336	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	295	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	282	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	52	0	0	2	84	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	37	0	25	50	0	2	0	0	0	2	0	0	0	2
200	82	0	0	2	117	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	57	0	43	75	0	2	0	0	0	2	0	0	0	2
300	80	0	0	2	127	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	56	0	46	71	0	2	0	0	0	2	0	0	0	2
400	71	0	0	2	115	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	61	0	48	84	0	2	0	0	0	2	0	0	0	2
500	113	0	0	2	138	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	98	0	77	112	0	2	0	0	0	2	0	0	0	2
600	101	0	0	2	138	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	100	0	88	118	0	2	0	0	0	2	0	0	0	2
700	103	0	0	2	130	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	103	0	94	118	0	2	0	0	0	2	0	0	0	2
800	105	0	0	2	138	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	110	0	98	127	0	2	0	0	0	2	0	0	0	2
900	105	0	0	2	130	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	123	0	110	143	0	2	0	0	0	2	0	0	0	2
1000	96	0	0	2	132	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	134	0	113	158	0	2	0	0	0	2	0	0	0	2
1100	109	0	0	2	148	0	0	2	0	2	0	2	0	2	0	0	0	2	0	0	134	0	121	160	0	2	0	0	0	2	0	0	0	2
1200	85	0	99	0	139	0	145	0	0	2	0	2	158	0	204	97	153	0	206	116	152	0	169	122	158	0	174	126	0	2	0	0	0	2
1300	94	0	112	0	149	0	152	0	0	2	0	2	145	0	192	94	147	0	207	100	145	0	196	117	152	0	194	127	0	2	0	0	0	2
1400	101	0	120	0	165	0	164	0	0	2	0	2	159	0	194	95	152	0	269	92	151	0	191	123	158	0	183	135	0	2	0	0	0	2
1500	78	0	88	0	139	0	140	0	0	2	0	2	164	0	206	96	156	0	210	103	159	0	202	131	164	0	202	117	0	2	0	0	0	2
1600	91	0	93	0	154	0	149	0	0	2	0	2	173	0	269	96	172	0	267	115	169	0	204	133	174	0	216	131	0	2	0	0	0	2
1700	69	0	78	0	122	0	120	0	0	2	0	2	179	0	206	95	174	0	256	113	172	0	208	138	177	0	209	144	0	2	0	0	0	2
1800	70	0	80	0	129	0	130	0	0	2	0	2	167	0	205	95	156	0	188	109	161	0	176	143	166	0	187	149	0	2	0	0	0	2
1900	58	0	68	0	128	0	132	0	0	2	0	2	171	0	205	98	160	0	199	133	166	0	178	157	170	0	182	157	0	2	0	0	0	2
2000	53	0	53	0	128	0	113	0	0	2	0	2	198	0	267	102	199	0	239	150	198	0	222	179	198	0	218	183	0	2	0	0	0	2
2100	79	0	75	0	153	0	131	0	0	2	0	2	203	0	268	105	202	0	257	112	199	0	221	175	201	0	222	182	0	2	0	0	0	2
2200	105	0	104	0	185	0	162	0	0	2	0	2	221	0	296	180	213	0	262	150	205	0	235	169	205	0	239	166	0	2	0	0	0	2
2300	134	0	121	0	204	0	177	0	0	2	0	2	229	0	280	187	219	0	285	182	213	0	245	179	212	0	240	177	0	2	0	0	0	2
2400	140	0	126	0	202	0	177	0	0	2	0	2	229	0	275	188	224	0	278	182	215	0	248	188	215	0	251	187	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	278	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
200	285	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
300	282	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
400	272	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
500	242	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
600	242	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
700	245	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
800	221	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
900	252	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1000	276	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1100	276	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1200	331	0	329	0	305	0	301	0	320	2	320	2	-25	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1300	351	0	351	0	329	0	324	0	320	2	320	2	-25	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1400	379	0	378	0	360	0	354	0	320	2	320	2	-22	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1500	419	0	419	0	399	0	394	0	320	2	320	2	-23	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1600	450	0	450	0	435	0	428	0	320	2	320	2	-20	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1700	458	0	466	0	450	0	448	0	320	2	320	2	-14	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1800	459	0	455	0	450	0	450	0	320	2	320	2	-4	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1900	441	0	441	0	450	0	450	0	320	2	320	2	11	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
2000	448	0	446	0	464	0	462	0	320	2	320	2	16	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
2100	457	0	455	0	460	0	459	0	320	2	320	2	5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
2200	471	0	469	0	469	0	468	0	320	2	320	2	0	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
2300	475	0	473	0	471	0	469	0	320	2	320	2	2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
2400	468	0	466	0	462	0	460	0	320	2	320	2	-4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	129	0	118	0	195	0	169	0	0	2	0	2	238	0	285	189	228	0	268	192	216	0	239	187	216	0	239	193	0	2	0	0	0	2
200	131	0	116	0	201	0	178	0	0	2	0	2	234	0	290	186	224	0	274	193	216	0	241	185	215	0	247	193	0	2	0	0	0	2
300	127	0	114	0	199	0	174	0	0	2	0	2	238	0	279	187	226	0	267	173	219	0	249	200	218	0	245	195	0	2	0	0	0	2
400	132	0	117	0	210	0	191	0	0	2	0	2	238	0	277	189	228	0	263	161	223	0	256	190	221	0	244	196	0	2	0	0	0	2
500	137	0	142	0	260	0	235	0	0	2	0	2	252	0	282	188	237	0	269	183	237	0	253	206	236	0	249	217	0	2	0	0	0	2
600	136	0	135	0	262	0	241	0	0	2	0	2	256	0	277	190	240	0	273	206	242	0	248	223	241	0	250	232	0	2	0	0	0	2
700	117	0	115	0	211	0	175	0	0	2	0	2	263	0	290	205	250	0	290	223	251	0	258	244	249	0	255	210	0	2	0	0	0	2
800	86	0	94	0	143	0	156	0	0	2	0	2	275	0	297	253	267	0	307	226	282	0	305	248	278	0	299	245	0	2	0	0	0	2
900	78	0	88	0	126	0	129	0	0	2	0	2	296	0	356	268	289	0	319	263	311	0	331	295	308	0	320	298	0	2	0	0	0	2
1000	82	0	89	0	128	0	130	0	0	2	0	2	352	0	48	300	344	0	26	296	350	0	35	310	350	0	22	315	0	2	0	0	0	2
1100	76	0	83	0	122	0	128	0	0	2	0	2	19	0	75	311	15	0	61	290	3	0	65	302	2	0	72	303	0	2	0	0	0	2
1200	76	0	82	0	137	0	134	0	0	2	0	2	12	0	67	298	5	0	95	313	2	0	48	304	0	0	38	298	0	2	0	0	0	2
1300	79	0	87	0	122	0	123	0	0	2	0	2	26	0	74	292	20	0	67	317	3	0	45	316	5	0	53	320	0	2	0	0	0	2
1400	84	0	92	0	133	0	135	0	0	2	0	2	3	0	69	292	352	0	61	271	355	0	37	307	355	0	41	316	0	2	0	0	0	2
1500	80	0	89	0	121	0	126	0	0	2	0	2	26	0	91	323	15	0	101	273	0	0	52	320	358	0	31	315	0	2	0	0	0	2
1600	108	0	108	0	134	0	130	0	0	2	0	2	32	0	65	353	27	0	60	343	14	0	48	348	14	0	52	344	0	2	0	0	0	2
1700	101	0	103	0	138	0	132	0	0	2	0	2	27	0	63	351	22	0	80	352	12	0	36	342	13	0	46	333	0	2	0	0	0	2
1800	116	0	120	0	151	0	146	0	0	2	0	2	29	0	64	313	19	0	61	336	12	0	37	323	12	0	41	322	0	2	0	0	0	2
1900	108	0	114	0	148	0	144	0	0	2	0	2	24	0	353	44	29	0	61	352	20	0	45	356	21	0	42	352	0	2	0	0	0	2
2000	92	0	0	2	138	0	0	2	0	2	0	2	15	0	352	43	0	2	0	0	15	0	349	40	0	2	0	0	0	2	0	0	0	2
2100	90	0	0	2	159	0	0	2	0	2	0	2	21	0	350	49	0	2	0	0	11	0	354	42	0	2	0	0	0	2	0	0	0	2
2200	148	0	0	2	188	0	0	2	0	2	0	2	22	0	2	41	0	2	0	0	19	0	3	42	0	2	0	0	0	2	0	0	0	2
2300	126	0	0	2	148	0	0	2	0	2	0	2	33	0	1	53	0	2	0	0	33	0	15	58	0	2	0	0	0	2	0	0	0	2
2400	76	0	0	2	94	0	0	2	0	2	0	2	47	0	29	69	0	2	0	0	48	0	30	73	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	455	0	453	0	451	0	450	0	320	2	320	2	2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
200	450	0	450	0	446	0	446	0	320	2	320	2	2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
300	453	0	453	0	450	0	450	0	320	2	320	2	2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
400	442	0	442	0	441	0	441	0	320	2	320	2	0	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
500	423	0	421	0	432	0	432	0	320	2	320	2	14	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
600	394	0	394	0	410	0	410	0	320	2	320	2	18	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
700	361	0	360	0	376	0	376	0	320	2	320	2	16	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
800	363	0	363	0	370	0	369	0	320	2	320	2	7	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
900	360	0	358	0	361	0	361	0	320	2	320	2	4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1000	361	0	360	0	354	0	352	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1100	365	0	363	0	356	0	351	0	320	2	320	2	-9	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1200	367	0	363	0	349	0	347	0	320	2	320	2	-13	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1300	363	0	360	0	351	0	347	0	320	2	320	2	-11	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1400	358	0	354	0	342	0	340	0	320	2	320	2	-13	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1500	345	0	343	0	334	0	331	0	320	2	320	2	-11	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1600	322	0	322	0	315	0	310	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1700	315	0	314	0	306	0	305	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1800	303	0	301	0	292	0	292	0	320	2	320	2	-9	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1900	287	0	287	0	274	0	276	0	320	2	320	2	-11	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
2000	271	0	0	2	0	2	0	2	0	2	0	2	-32	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
2100	248	0	0	2	0	2	0	2	0	2	0	2	-28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	238	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	245	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	235	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	61	0	0	2	103	0	0	2	0	2	0	2	68	0	52	93	0	2	0	0	65	0	56	78	0	2	0	0	0	2	0	0	0	2
200	61	0	0	2	105	0	0	2	0	2	0	2	69	0	46	87	0	2	0	0	74	0	56	86	0	2	0	0	0	2	0	0	0	2
300	78	0	0	2	126	0	0	2	0	2	0	2	59	0	34	75	0	2	0	0	53	0	40	76	0	2	0	0	0	2	0	0	0	2
400	98	0	0	2	144	0	0	2	0	2	0	2	77	0	49	92	0	2	0	0	68	0	55	85	0	2	0	0	0	2	0	0	0	2
500	96	0	0	2	159	0	0	2	0	2	0	2	75	0	44	91	0	2	0	0	78	0	65	92	0	2	0	0	0	2	0	0	0	2
600	101	0	0	2	155	0	0	2	0	2	0	2	61	0	40	85	0	2	0	0	64	0	49	82	0	2	0	0	0	2	0	0	0	2
700	142	0	0	2	169	0	0	2	0	2	0	2	73	0	49	91	0	2	0	0	68	0	55	89	0	2	0	0	0	2	0	0	0	2
800	121	0	0	2	119	0	0	2	0	2	0	2	75	0	53	107	0	2	0	0	85	0	65	101	0	2	0	0	0	2	0	0	0	2
900	138	0	0	2	109	0	0	2	0	2	0	2	68	0	37	91	0	2	0	0	70	0	53	95	0	2	0	0	0	2	0	0	0	2
1000	157	0	0	2	163	0	0	2	0	2	0	2	73	0	47	92	0	2	0	0	78	0	65	91	0	2	0	0	0	2	0	0	0	2
1100	161	0	0	2	161	0	0	2	0	2	0	2	67	0	47	91	0	2	0	0	66	0	47	88	0	2	0	0	0	2	0	0	0	2
1200	153	0	0	2	138	0	0	2	0	2	0	2	61	0	40	93	0	2	0	0	75	0	51	100	0	2	0	0	0	2	0	0	0	2
1300	173	0	0	2	167	0	0	2	0	2	0	2	65	0	37	96	0	2	0	0	75	0	51	94	0	2	0	0	0	2	0	0	0	2
1400	184	0	0	2	169	0	0	2	0	2	0	2	64	0	37	101	0	2	0	0	65	0	53	85	0	2	0	0	0	2	0	0	0	2
1500	118	0	131	0	135	0	150	0	0	2	0	2	76	0	105	7	68	0	105	43	60	0	83	39	64	0	85	35	0	2	0	0	0	2
1600	119	0	133	0	139	0	150	0	0	2	0	2	84	0	177	6	75	0	133	20	63	0	88	18	66	0	102	25	0	2	0	0	0	2
1700	125	0	131	0	149	0	146	0	0	2	0	2	84	0	116	8	78	0	121	52	73	0	106	54	75	0	108	55	0	2	0	0	0	2
1800	123	0	131	0	152	0	150	0	0	2	0	2	82	0	102	73	76	0	105	43	66	0	90	51	69	0	82	51	0	2	0	0	0	2
1900	91	0	103	0	110	0	121	0	0	2	0	2	81	0	104	7	69	0	102	35	58	0	85	39	61	0	82	40	0	2	0	0	0	2
2000	76	0	84	0	97	0	102	0	0	2	0	2	79	0	105	9	75	0	100	31	63	0	84	39	67	0	93	47	0	2	0	0	0	2
2100	93	0	106	0	115	0	123	0	0	2	0	2	80	0	116	9	71	0	103	54	61	0	84	39	64	0	82	40	0	2	0	0	0	2
2200	78	0	91	0	103	0	116	0	0	2	0	2	76	0	97	8	63	0	88	37	54	0	74	33	57	0	76	35	0	2	0	0	0	2
2300	88	0	103	0	112	0	124	0	0	2	0	2	77	0	110	7	62	0	88	1	56	0	79	29	58	0	84	40	0	2	0	0	0	2
2400	70	0	84	0	96	0	109	0	0	2	0	2	73	0	96	7	61	0	83	26	52	0	69	24	54	0	85	26	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	211	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
200	201	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
300	204	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
400	171	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
500	211	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
600	201	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
700	170	0	0	2	0	2	0	2	0	2	0	2	-24	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
800	194	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
900	184	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1000	245	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1100	238	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1200	215	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1300	238	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1400	272	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1500	281	0	279	0	270	0	267	0	320	2	320	2	-11	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1600	287	0	285	0	274	0	272	0	320	2	320	2	-11	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1700	287	0	285	0	276	0	274	0	320	2	320	2	-11	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1800	279	0	281	0	274	0	270	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
1900	267	0	265	0	258	0	258	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
2000	258	0	258	0	249	0	251	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2100	251	0	251	0	242	0	243	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2200	242	0	242	0	234	0	234	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2300	233	0	233	0	225	0	227	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2400	222	0	227	0	215	0	216	0	320	2	320	2	-4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	76	0	90	0	111	0	122	0	0	2	0	2	79	0	94	8	64	0	94	27	56	0	74	41	58	0	81	37	0	2	0	0	0	2
200	79	0	91	0	107	0	119	0	0	2	0	2	77	0	99	10	68	0	94	43	58	0	84	44	61	0	77	46	0	2	0	0	0	2
300	67	0	81	0	100	0	115	0	0	2	0	2	68	0	94	6	56	0	88	19	49	0	67	17	52	0	76	29	0	2	0	0	0	2
400	90	0	105	0	116	0	137	0	0	2	0	2	72	0	94	8	55	0	83	28	51	0	74	35	55	0	81	37	0	2	0	0	0	2
500	98	0	111	0	132	0	143	0	0	2	0	2	80	0	110	17	69	0	121	26	59	0	81	29	63	0	83	31	0	2	0	0	0	2
600	111	0	119	0	136	0	140	0	0	2	0	2	84	0	114	73	78	0	113	49	70	0	87	47	72	0	89	52	0	2	0	0	0	2
700	112	0	119	0	137	0	138	0	0	2	0	2	84	0	101	73	77	0	107	49	69	0	90	46	71	0	91	48	0	2	0	0	0	2
800	105	0	119	0	128	0	144	0	0	2	0	2	75	0	106	5	62	0	101	26	56	0	81	34	59	0	81	35	0	2	0	0	0	2
900	111	0	127	0	136	0	143	0	0	2	0	2	82	0	114	72	75	0	105	49	65	0	95	51	68	0	96	52	0	2	0	0	0	2
1000	113	0	127	0	132	0	145	0	0	2	0	2	60	0	177	357	62	0	101	18	55	0	78	33	59	0	86	32	0	2	0	0	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1200	100	0	107	0	114	0	120	0	0	2	0	2	73	0	98	8	64	0	102	7	60	0	89	17	61	0	99	3	0	2	0	0	0	2
1300	107	0	110	0	129	0	127	0	0	2	0	2	18	0	100	281	9	0	72	287	3	0	41	321	0	0	32	316	0	2	0	0	0	2
1400	103	0	108	0	142	0	145	0	0	2	0	2	26	0	115	299	13	0	60	293	2	0	44	304	2	0	45	303	0	2	0	0	0	2
1500	79	0	84	0	125	0	126	0	0	2	0	2	22	0	108	344	7	0	69	302	0	0	73	312	354	0	36	283	0	2	0	0	0	2
1600	83	0	88	0	123	0	120	0	0	2	0	2	347	0	34	270	341	0	37	285	352	0	45	308	353	0	42	306	0	2	0	0	0	2
1700	76	0	81	0	113	0	116	0	0	2	0	2	12	0	102	297	9	0	62	280	352	0	80	309	350	0	36	296	0	2	0	0	0	2
1800	91	0	95	0	139	0	143	0	0	2	0	2	20	0	63	333	11	0	54	326	355	0	39	315	355	0	44	331	0	2	0	0	0	2
1900	76	0	84	0	136	0	136	0	0	2	0	2	20	0	92	344	14	0	55	296	359	0	33	329	358	0	42	322	0	2	0	0	0	2
2000	61	0	65	0	113	0	108	0	0	2	0	2	12	0	86	281	4	0	56	301	354	0	33	316	354	0	25	302	0	2	0	0	0	2
2100	51	0	56	0	77	0	75	0	0	2	0	2	37	0	63	9	29	0	54	10	17	0	33	5	19	0	35	5	0	2	0	0	0	2
2200	48	0	52	0	77	0	77	0	0	2	0	2	29	0	58	4	23	0	44	353	8	0	17	359	9	0	19	1	0	2	0	0	0	2
2300	55	0	59	0	75	0	73	0	0	2	0	2	33	0	59	17	26	0	56	5	13	0	18	7	16	0	20	9	0	2	0	0	0	2
2400	45	0	49	0	69	0	68	0	0	2	0	2	29	0	47	3	20	0	39	358	7	0	11	1	9	0	12	3	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	211	0	211	0	206	0	207	0	320	2	320	2	-4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
200	202	0	202	0	198	0	200	0	320	2	320	2	2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
300	195	0	195	0	189	0	191	0	320	2	320	2	-4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
400	189	0	189	0	184	0	184	0	320	2	320	2	-4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
500	186	0	186	0	180	0	180	0	320	2	320	2	-4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
600	182	0	182	0	175	0	177	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
700	182	0	182	0	175	0	175	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
800	207	0	206	0	198	0	195	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	224	0	222	0	211	0	209	0	320	2	320	2	-11	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1100	249	0	247	0	236	0	236	0	320	2	320	2	-11	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1200	279	0	278	0	269	0	263	0	320	2	320	2	-13	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1300	281	0	290	0	288	0	269	0	320	2	320	2	-9	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1400	283	0	290	0	290	0	269	0	320	2	320	2	-11	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1500	288	0	290	0	285	0	274	0	320	2	320	2	-11	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1600	290	0	288	0	279	0	278	0	320	2	320	2	-11	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1700	290	0	288	0	279	0	279	0	320	2	320	2	-9	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1800	283	0	281	0	272	0	272	0	320	2	320	2	-7	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1900	272	0	272	0	261	0	263	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
2000	272	0	272	0	265	0	265	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
2100	270	0	270	0	261	0	261	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
2200	269	0	270	0	263	0	263	0	320	2	320	2	-5	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
2300	274	0	274	0	265	0	265	0	320	2	320	2	-7	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2400	274	0	274	0	267	0	267	0	320	2	320	2	-5	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	31	0	36	0	58	0	58	0	0	2	0	2	31	0	59	14	25	0	56	4	4	0	18	356	5	0	15	357	0	2	0	0	0	2
200	29	0	33	0	49	0	48	0	0	2	0	2	22	3	35	356	14	0	33	346	0	0	8	354	3	0	131	352	0	2	0	0	0	2
300	48	0	51	0	45	0	52	0	0	2	0	2	96	0	111	81	92	0	106	77	56	0	60	46	60	0	64	54	0	2	0	0	0	2
400	42	0	45	0	49	0	54	0	0	2	0	2	82	0	91	76	78	0	88	71	49	0	53	44	54	0	57	48	0	2	0	0	0	2
500	45	0	48	0	45	0	51	0	0	2	0	2	100	0	121	87	97	0	118	84	61	0	69	51	64	0	74	57	0	2	0	0	0	2
600	70	0	77	0	52	0	54	0	0	2	0	2	186	0	206	162	182	0	206	160	157	0	165	152	160	0	167	156	0	2	0	0	0	2
700	60	0	65	0	75	0	59	0	0	2	0	2	193	0	224	139	188	0	256	155	185	0	191	177	186	0	195	177	0	2	0	0	0	2
800	36	0	35	0	72	0	66	0	0	2	0	2	238	0	255	216	229	0	245	205	210	0	219	203	210	0	219	204	0	2	0	0	0	2
900	15	0	17	0	25	0	23	0	0	2	0	2	233	0	336	192	239	3	330	183	165	0	208	107	172	3	237	122	0	2	0	0	0	2
1000	46	0	50	0	43	0	39	0	0	2	0	2	258	0	297	212	251	0	284	217	237	0	255	209	237	0	269	218	0	2	0	0	0	2
1100	45	0	51	0	45	0	47	0	0	2	0	2	265	0	325	211	254	0	301	216	260	0	292	211	260	0	291	224	0	2	0	0	0	2
1200	47	0	53	0	50	0	52	0	0	2	0	2	311	0	348	270	299	0	329	256	307	0	326	282	303	0	16	285	0	2	0	0	0	2
1300	47	0	52	0	67	0	68	0	0	2	0	2	308	0	352	248	297	0	353	212	314	0	357	270	313	0	346	263	0	2	0	0	0	2
1400	37	0	42	0	51	0	52	0	0	2	0	2	290	0	355	204	290	0	346	212	319	0	15	270	317	0	358	266	0	2	0	0	0	2
1500	55	0	59	0	75	0	74	0	0	2	0	2	309	0	358	250	297	0	346	245	314	0	350	279	312	0	348	274	0	2	0	0	0	2
1600	46	0	46	0	63	0	62	0	0	2	0	2	311	0	350	256	300	0	346	245	310	0	333	270	306	0	349	288	0	2	0	0	0	2
1700	34	0	38	0	46	0	47	0	0	2	0	2	325	0	22	272	309	0	348	240	320	0	340	299	316	0	345	295	0	2	0	0	0	2
1800	11	0	15	0	17	0	20	0	0	2	0	2	319	3	46	271	310	3	26	272	302	0	336	261	298	0	343	238	0	2	0	0	0	2
1900	32	0	21	0	19	0	16	0	0	2	0	2	133	0	119	152	133	0	162	121	240	0	219	273	229	5	245	195	0	2	0	0	0	2
2000	46	0	0	2	50	0	0	2	0	2	0	2	172	0	139	193	0	2	0	0	167	0	158	178	0	2	0	0	0	2	0	0	0	2
2100	63	0	0	2	125	0	0	2	0	2	0	2	200	0	159	231	0	2	0	0	192	0	188	204	0	2	0	0	0	2	0	0	0	2
2200	65	0	0	2	161	0	0	2	0	2	0	2	190	0	164	223	0	2	0	0	202	0	192	212	0	2	0	0	0	2	0	0	0	2
2300	71	0	0	2	163	0	0	2	0	2	0	2	190	0	154	219	0	2	0	0	200	0	192	214	0	2	0	0	0	2	0	0	0	2
2400	69	0	0	2	165	0	0	2	0	2	0	2	194	0	146	235	0	2	0	0	194	0	178	209	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	269	0	269	0	267	0	265	0	320	2	320	2	-2	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
200	267	0	269	0	265	0	265	0	320	2	320	2	-4	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
300	258	0	258	0	265	0	269	0	320	2	320	2	13	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
400	256	0	256	0	263	0	265	0	320	2	320	2	9	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
500	247	0	247	0	263	0	267	0	320	2	320	2	20	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
600	227	0	225	0	258	0	265	0	320	2	320	2	41	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
700	224	0	222	0	258	0	261	0	320	2	320	2	41	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
800	231	0	229	0	261	0	263	0	320	2	320	2	36	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
900	263	0	261	0	263	0	261	0	320	2	320	2	0	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1000	288	0	290	0	294	0	294	0	320	2	320	2	5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1100	305	0	308	0	306	0	303	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1200	324	0	324	0	325	0	320	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1300	331	0	334	0	324	0	314	0	320	2	320	2	-18	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1400	329	0	333	0	329	0	320	0	320	2	320	2	-13	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1500	336	0	340	0	325	0	317	0	320	2	320	2	-22	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1600	340	0	345	0	338	0	325	0	320	2	320	2	-18	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1700	349	0	349	0	340	0	338	0	320	2	320	2	-11	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1800	363	0	363	0	354	0	356	0	320	2	320	2	-5	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1900	288	0	305	0	312	0	315	0	320	2	320	2	11	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
2000	319	0	0	2	0	2	0	2	0	2	0	2	6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	316	0	0	2	0	2	0	2	0	2	0	2	17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	295	0	0	2	0	2	0	2	0	2	0	2	15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	295	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	288	0	0	2	0	2	0	2	0	2	0	2	6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	63	0	0	2	173	0	0	2	0	2	0	2	182	0	145	215	0	2	0	0	194	0	175	210	0	2	0	0	0	2	0	0	0	2
200	63	0	0	2	142	0	0	2	0	2	0	2	200	0	167	228	0	2	0	0	200	0	190	213	0	2	0	0	0	2	0	0	0	2
300	75	0	0	2	109	0	0	2	0	2	0	2	220	0	199	246	0	2	0	0	213	0	204	228	0	2	0	0	0	2	0	0	0	2
400	80	0	0	2	123	0	0	2	0	2	0	2	229	0	204	251	0	2	0	0	232	0	224	245	0	2	0	0	0	2	0	0	0	2
500	84	0	0	2	132	0	0	2	0	2	0	2	218	0	199	229	0	2	0	0	229	0	215	248	0	2	0	0	0	2	0	0	0	2
600	86	0	0	2	148	0	0	2	0	2	0	2	200	0	175	227	0	2	0	0	217	0	208	228	0	2	0	0	0	2	0	0	0	2
700	67	0	0	2	127	0	0	2	0	2	0	2	212	0	195	233	0	2	0	0	228	0	218	239	0	2	0	0	0	2	0	0	0	2
800	73	0	0	2	138	0	0	2	0	2	0	2	227	0	208	254	0	2	0	0	228	0	215	240	0	2	0	0	0	2	0	0	0	2
900	92	0	0	2	134	0	0	2	0	2	0	2	238	0	208	267	0	2	0	0	232	0	208	260	0	2	0	0	0	2	0	0	0	2
1000	105	0	0	2	132	0	0	2	0	2	0	2	238	0	208	271	0	2	0	0	245	0	228	263	0	2	0	0	0	2	0	0	0	2
1100	125	0	0	2	134	0	0	2	0	2	0	2	241	0	219	266	0	2	0	0	238	0	211	265	0	2	0	0	0	2	0	0	0	2
1200	136	0	0	2	140	0	0	2	0	2	0	2	262	0	226	293	0	2	0	0	257	0	230	282	0	2	0	0	0	2	0	0	0	2
1300	121	0	0	2	125	0	0	2	0	2	0	2	244	0	221	272	0	2	0	0	232	0	214	254	0	2	0	0	0	2	0	0	0	2
1400	113	0	0	2	155	0	0	2	0	2	0	2	249	0	218	284	0	2	0	0	254	0	240	268	0	2	0	0	0	2	0	0	0	2
1500	117	0	0	2	169	0	0	2	0	2	0	2	254	0	220	276	0	2	0	0	266	0	242	281	0	2	0	0	0	2	0	0	0	2
1600	138	0	0	2	177	0	0	2	0	2	0	2	242	0	217	272	0	2	0	0	246	0	229	266	0	2	0	0	0	2	0	0	0	2
1700	161	0	0	2	234	0	0	2	0	2	0	2	240	0	213	268	0	2	0	0	247	0	231	260	0	2	0	0	0	2	0	0	0	2
1800	157	0	0	2	252	0	0	2	0	2	0	2	240	0	213	269	0	2	0	0	241	0	226	259	0	2	0	0	0	2	0	0	0	2
1700	123	0	0	2	209	0	0	2	0	2	0	2	226	0	196	253	0	2	0	0	230	0	213	254	0	2	0	0	0	2	0	0	0	2
2000	127	0	0	2	230	0	0	2	0	2	0	2	231	0	209	257	0	2	0	0	238	0	215	251	0	2	0	0	0	2	0	0	0	2
2100	146	0	0	2	244	0	0	2	0	2	0	2	233	0	205	257	0	2	0	0	237	0	221	255	0	2	0	0	0	2	0	0	0	2
2200	140	0	0	2	242	0	0	2	0	2	0	2	231	0	204	263	0	2	0	0	235	0	214	256	0	2	0	0	0	2	0	0	0	2
2300	140	0	0	2	213	0	0	2	0	2	0	2	230	0	203	256	0	2	0	0	236	0	227	253	0	2	0	0	0	2	0	0	0	2
2400	136	0	0	2	211	0	0	2	0	2	0	2	227	0	203	264	0	2	0	0	223	0	202	244	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	265	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	254	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	247	0	0	2	0	2	0	2	0	2	0	2	6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	271	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	254	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	258	0	0	2	0	2	0	2	0	2	0	2	22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	254	0	0	2	0	2	0	2	0	2	0	2	22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	275	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	319	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	360	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	305	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	346	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	356	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	384	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	394	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	435	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	418	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	428	0	0	2	0	2	0	2	0	2	0	2	15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	390	0	0	2	0	2	0	2	0	2	0	2	14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	414	0	0	2	0	2	0	2	0	2	0	2	14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	414	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	404	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	387	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	390	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	157	0	0	2	200	0	0	2	0	2	0	2	239	0	202	266	0	2	0	0	228	0	204	262	0	2	0	0	0	2	0	0	0	2
200	136	0	0	2	259	0	0	2	0	2	0	2	233	0	196	266	0	2	0	0	241	0	224	259	0	2	0	0	0	2	0	0	0	2
300	130	0	0	2	225	0	0	2	0	2	0	2	238	0	212	262	0	2	0	0	248	0	235	267	0	2	0	0	0	2	0	0	0	2
400	113	0	0	2	184	0	0	2	0	2	0	2	238	0	212	262	0	2	0	0	257	0	240	271	0	2	0	0	0	2	0	0	0	2
500	105	0	0	2	161	0	0	2	0	2	0	2	235	0	213	262	0	2	0	0	248	0	237	258	0	2	0	0	0	2	0	0	0	2
600	117	0	0	2	169	0	0	2	0	2	0	2	240	0	211	258	0	2	0	0	250	0	237	265	0	2	0	0	0	2	0	0	0	2
700	100	0	0	2	146	0	0	2	0	2	0	2	239	0	215	255	0	2	0	0	248	0	236	260	0	2	0	0	0	2	0	0	0	2
800	75	0	0	2	125	0	0	2	0	2	0	2	238	0	213	258	0	2	0	0	235	0	222	253	0	2	0	0	0	2	0	0	0	2
900	86	0	0	2	100	0	0	2	0	2	0	2	240	0	210	260	0	2	0	0	227	0	199	251	0	2	0	0	0	2	0	0	0	2
1000	100	0	65	0	96	0	70	0	0	2	0	2	248	0	220	273	238	0	280	186	235	0	211	262	233	0	262	211	0	2	0	0	0	2
1100	80	0	55	0	63	0	30	0	0	2	0	2	271	0	248	291	261	0	290	239	232	0	203	262	217	0	263	138	0	2	0	0	0	2
1200	65	0	45	0	57	0	28	0	0	2	0	2	273	0	247	302	272	0	303	245	227	0	192	262	222	0	247	113	0	2	0	0	0	2
1300	46	0	30	0	40	0	29	0	0	2	0	2	289	0	253	312	287	3	353	221	160	0	128	204	158	0	204	92	0	2	0	0	0	2
1400	36	0	41	0	77	0	43	0	0	2	0	2	281	0	250	314	285	0	324	227	218	0	201	237	207	0	266	177	0	2	0	0	0	2
1500	46	0	35	0	69	0	47	0	0	2	0	2	294	0	257	326	285	0	335	250	227	0	205	255	231	0	294	186	0	2	0	0	0	2
1600	59	0	0	2	50	0	0	2	0	2	0	2	316	0	282	345	0	2	0	0	285	0	267	317	0	2	0	0	0	2	0	0	0	2
1700	55	0	0	2	50	0	0	2	0	2	0	2	256	0	218	284	0	2	0	0	227	0	203	262	0	2	0	0	0	2	0	0	0	2
1800	77	0	0	2	117	0	0	2	0	2	0	2	169	0	138	201	0	2	0	0	167	0	145	194	0	2	0	0	0	2	0	0	0	2
1900	152	0	0	2	96	0	0	2	0	2	0	2	152	0	120	175	0	2	0	0	160	0	145	183	0	2	0	0	0	2	0	0	0	2
2000	143	0	0	2	153	0	0	2	0	2	0	2	154	0	118	182	0	2	0	0	165	0	139	185	0	2	0	0	0	2	0	0	0	2
2100	163	0	0	2	155	0	0	2	0	2	0	2	156	0	112	192	0	2	0	0	165	0	138	188	0	2	0	0	0	2	0	0	0	2
2200	145	0	0	2	165	0	0	2	0	2	0	2	140	0	112	164	0	2	0	0	149	0	128	166	0	2	0	0	0	2	0	0	0	2
2300	99	0	0	2	151	0	0	2	0	2	0	2	155	0	121	184	0	2	0	0	161	0	139	190	0	2	0	0	0	2	0	0	0	2
2400	147	0	0	2	136	0	0	2	0	2	0	2	141	0	116	179	0	2	0	0	164	0	132	190	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	377	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	370	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	366	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	346	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	356	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	363	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	353	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	363	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	350	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	373	0	387	0	381	0	374	0	320	2	320	2	-17	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1100	411	0	405	0	419	0	410	0	320	2	320	2	3	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	6
1200	428	0	423	0	457	0	446	0	320	2	320	2	22	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1300	455	0	460	0	504	0	491	0	320	2	320	2	38	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1400	465	0	446	0	509	0	500	0	320	2	320	2	50	0	54	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1500	526	0	507	0	522	0	513	0	320	2	320	2	6	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
1600	530	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	537	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	547	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	469	0	0	2	0	2	0	2	0	2	0	2	65	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	476	0	0	2	0	2	0	2	0	2	0	2	60	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	437	0	0	2	0	2	0	2	0	2	0	2	62	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	462	0	0	2	0	2	0	2	0	2	0	2	61	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	442	0	0	2	0	2	0	2	0	2	0	2	60	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	424	0	0	2	0	2	0	2	0	2	0	2	58	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	153	0	0	2	165	0	0	2	0	2	0	2	150	0	130	183	0	2	0	0	161	0	137	184	0	2	0	0	0	2	0	0	0	2
200	159	0	0	2	161	0	0	2	0	2	0	2	158	0	127	188	0	2	0	0	170	0	140	187	0	2	0	0	0	2	0	0	0	2
300	123	0	0	2	169	0	0	2	0	2	0	2	151	0	125	183	0	2	0	0	165	0	143	183	0	2	0	0	0	2	0	0	0	2
400	178	0	0	2	194	0	0	2	0	2	0	2	158	0	122	183	0	2	0	0	160	0	138	184	0	2	0	0	0	2	0	0	0	2
500	136	0	0	2	219	0	0	2	0	2	0	2	158	0	122	192	0	2	0	0	166	0	145	188	0	2	0	0	0	2	0	0	0	2
600	114	0	0	2	213	0	0	2	0	2	0	2	151	0	125	178	0	2	0	0	159	0	141	181	0	2	0	0	0	2	0	0	0	2
700	105	0	0	2	201	0	0	2	0	2	0	2	154	0	124	181	0	2	0	0	158	0	139	187	0	2	0	0	0	2	0	0	0	2
800	75	0	0	2	209	0	0	2	0	2	0	2	160	0	122	199	0	2	0	0	161	0	146	183	0	2	0	0	0	2	0	0	0	2
900	63	0	0	2	223	0	0	2	0	2	0	2	166	0	123	217	0	2	0	0	168	0	147	194	0	2	0	0	0	2	0	0	0	2
1000	92	0	0	2	219	0	0	2	0	2	0	2	167	0	113	206	0	2	0	0	169	0	143	194	0	2	0	0	0	2	0	0	0	2
1100	82	0	0	2	201	0	0	2	0	2	0	2	194	0	146	240	0	2	0	0	183	0	150	230	0	2	0	0	0	2	0	0	0	2
1200	98	0	0	2	165	0	0	2	0	2	0	2	218	0	168	269	0	2	0	0	191	0	161	224	0	2	0	0	0	2	0	0	0	2
1300	115	0	0	2	167	0	0	2	0	2	0	2	227	0	190	260	0	2	0	0	230	0	204	245	0	2	0	0	0	2	0	0	0	2
1400	129	0	0	2	176	0	0	2	0	2	0	2	233	0	203	269	0	2	0	0	227	0	204	251	0	2	0	0	0	2	0	0	0	2
1500	106	0	99	0	169	0	152	0	0	2	0	2	232	0	269	189	225	0	256	181	219	0	240	200	220	0	243	195	0	2	0	0	0	2
1600	137	0	127	0	200	0	172	0	0	2	0	2	219	0	267	135	215	0	254	151	205	0	243	178	207	0	229	182	0	2	0	0	0	2
1700	127	0	121	0	188	0	168	0	0	2	0	2	232	0	278	186	222	0	261	179	215	0	246	192	215	0	237	184	0	2	0	0	0	2
1800	140	0	128	0	207	0	185	0	0	2	0	2	247	0	294	190	239	0	278	195	237	0	254	205	234	0	252	200	0	2	0	0	0	2
1900	143	0	129	0	219	0	191	0	0	2	0	2	253	0	279	222	242	0	284	210	250	0	268	226	248	0	269	225	0	2	0	0	0	2
2000	144	0	131	0	256	0	237	0	0	2	0	2	248	0	283	182	239	0	267	203	242	0	258	228	240	0	250	226	0	2	0	0	0	2
2100	170	0	151	0	266	0	236	0	0	2	0	2	250	0	273	197	238	0	265	209	237	0	254	207	236	0	248	208	0	2	0	0	0	2
2200	154	0	140	0	256	0	227	0	0	2	0	2	243	0	287	202	238	0	278	189	237	0	249	219	236	0	247	216	0	2	0	0	0	2
2300	162	0	141	0	261	0	231	0	0	2	0	2	248	0	278	208	238	0	277	195	238	0	254	217	238	0	257	223	0	2	0	0	0	2
2400	128	0	112	0	199	0	176	0	0	2	0	2	244	0	278	197	236	0	278	195	238	0	248	221	236	0	246	222	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	430	0	0	2	0	2	0	2	0	2	0	2	53	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	430	0	0	2	0	2	0	2	0	2	0	2	51	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	395	0	0	2	0	2	0	2	0	2	0	2	48	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	391	0	0	2	0	2	0	2	0	2	0	2	47	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	388	0	0	2	0	2	0	2	0	2	0	2	48	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	385	0	0	2	0	2	0	2	0	2	0	2	47	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	382	0	0	2	0	2	0	2	0	2	0	2	47	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	358	0	0	2	0	2	0	2	0	2	0	2	53	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	348	0	0	2	0	2	0	2	0	2	0	2	47	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	386	0	0	2	0	2	0	2	0	2	0	2	52	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	393	0	0	2	0	2	0	2	0	2	0	2	49	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	400	0	0	2	0	2	0	2	0	2	0	2	51	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	409	0	0	2	0	2	0	2	0	2	0	2	42	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	405	0	0	2	0	2	0	2	0	2	0	2	42	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	588	0	586	0	585	0	583	0	320	2	320	2	2	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	204	0
1600	599	0	597	0	586	0	585	0	320	2	320	2	-11	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	204	0
1700	572	0	570	0	567	0	565	0	320	2	320	2	-4	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	204	0
1800	513	0	513	0	514	0	514	0	320	2	320	2	2	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	204	0
1900	442	0	441	0	448	0	446	0	320	2	320	2	5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	204	0
2000	433	0	433	0	451	0	450	0	320	2	320	2	18	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
2100	428	0	426	0	446	0	446	0	320	2	320	2	23	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	205	0
2200	441	0	441	0	450	0	450	0	320	2	320	2	11	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	206	0
2300	426	0	424	0	432	0	433	0	320	2	320	2	11	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	435	0	433	0	439	0	439	0	320	2	320	2	7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	167	0	151	0	257	0	218	0	0	2	0	2	253	0	297	193	243	0	303	216	250	0	257	221	249	0	256	222	0	2	0	0	0	2
200	146	0	126	0	214	0	190	0	0	2	0	2	245	0	285	199	237	0	273	212	240	0	263	225	237	0	249	207	0	2	0	0	0	2
300	127	0	135	0	188	0	191	0	0	2	0	2	271	0	298	238	261	0	290	227	260	0	270	246	239	0	268	243	0	2	0	0	0	2
400	117	0	116	0	213	0	179	0	0	2	0	2	262	0	296	202	252	0	289	223	254	0	260	247	252	0	258	232	0	2	0	0	0	2
500	155	0	163	0	192	0	197	0	0	2	0	2	272	0	296	255	263	0	297	239	272	0	292	250	269	0	287	241	0	2	0	0	0	2
600	132	0	137	0	215	0	210	0	0	2	0	2	268	0	296	192	257	0	285	228	258	0	270	247	257	0	266	246	0	2	0	0	0	2
700	113	0	111	0	188	0	161	0	0	2	0	2	267	0	294	254	252	0	308	228	251	0	264	239	250	0	257	235	0	2	0	0	0	2
800	139	0	155	0	196	0	221	0	0	2	0	2	268	0	291	204	259	0	280	229	262	0	268	258	261	0	266	256	0	2	0	0	0	2
900	124	0	133	0	164	0	170	0	0	2	0	2	272	0	333	195	265	0	293	235	272	0	302	247	269	0	291	241	0	2	0	0	0	2
1000	144	0	153	0	173	0	176	0	0	2	0	2	271	0	296	254	262	0	286	239	271	0	301	249	268	0	291	244	0	2	0	0	0	2
1100	125	0	134	0	166	0	171	0	0	2	0	2	282	0	356	193	278	0	324	229	287	0	324	261	285	0	334	251	0	2	0	0	0	2
1200	119	0	134	0	169	0	165	0	0	2	0	2	311	0	347	291	304	0	356	263	313	0	339	308	310	0	322	302	0	2	0	0	0	2
1300	96	0	106	0	169	0	177	0	0	2	0	2	319	0	345	282	308	0	335	274	322	0	332	312	320	0	334	315	0	2	0	0	0	2
1400	95	0	108	0	166	0	174	0	0	2	0	2	316	0	340	269	307	0	2	273	320	0	338	313	317	0	329	298	0	2	0	0	0	2
1500	85	0	101	0	157	0	165	0	0	2	0	2	321	0	23	281	310	0	346	273	322	0	334	309	320	0	343	314	0	2	0	0	0	2
1600	55	0	67	0	117	0	126	0	0	2	0	2	313	0	349	267	305	0	340	272	321	0	342	299	318	0	326	301	0	2	0	0	0	2
1700	65	0	73	0	123	0	128	0	0	2	0	2	332	0	10	276	321	0	9	274	330	0	338	302	330	0	336	314	0	2	0	0	0	2
1800	85	0	92	0	146	0	146	0	0	2	0	2	354	0	31	281	344	0	25	284	346	0	6	326	346	0	21	324	0	2	0	0	0	2
1900	71	0	78	0	103	0	102	0	0	2	0	2	27	0	54	327	19	0	54	306	7	0	27	342	7	0	27	315	0	2	0	0	0	2
2000	78	0	85	0	122	0	118	0	0	2	0	2	33	0	91	3	24	0	55	352	12	0	40	344	12	0	49	350	0	2	0	0	0	2
2100	54	0	63	0	82	0	85	0	0	2	0	2	51	0	90	17	46	0	83	10	35	0	55	11	38	0	62	11	0	2	0	0	0	2
2200	42	0	48	0	72	0	71	0	0	2	0	2	36	0	57	17	31	0	61	9	21	0	32	13	24	0	54	14	0	2	0	0	0	2
2300	22	0	30	0	33	0	34	0	0	2	0	2	350	3	19	330	340	3	20	313	9	0	23	353	13	0	177	353	0	2	0	0	0	2
2400	18	0	26	0	26	0	28	0	0	2	0	2	315	5	324	304	305	0	313	295	346	0	6	338	345	0	8	336	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	415	0	414	0	432	0	432	0	320	2	320	2	20	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
200	419	0	417	0	428	0	426	0	320	2	320	2	11	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	6
300	383	0	381	0	383	0	383	0	320	2	320	2	4	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
400	367	0	365	0	376	0	378	0	320	2	320	2	13	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
500	354	0	352	0	347	0	349	0	320	2	320	2	-4	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	6
600	345	0	345	0	345	0	345	0	320	2	320	2	2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
700	343	0	342	0	338	0	338	0	320	2	320	2	-4	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
800	342	0	340	0	336	0	334	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
900	349	0	351	0	345	0	342	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
1000	347	0	349	0	343	0	340	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	6
1100	352	0	354	0	347	0	342	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	0
1200	347	0	351	0	343	0	340	0	320	2	320	2	-4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	0
1300	343	0	343	0	338	0	338	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	0
1400	349	0	349	0	342	0	340	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	207	6
1500	345	0	345	0	338	0	336	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	0
1600	352	0	354	0	345	0	343	0	320	2	320	2	-9	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	0
1700	345	0	343	0	338	0	338	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	0
1800	347	0	345	0	340	0	340	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	0
1900	342	0	340	0	334	0	334	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	0
2000	343	0	343	0	336	0	336	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	0
2100	336	0	336	0	329	0	329	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	0
2200	325	0	325	0	324	0	324	0	320	2	320	2	-2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
2300	315	0	315	0	308	0	306	0	320	2	320	2	-7	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
2400	306	0	306	0	303	0	305	0	320	2	320	2	0	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	33	0	43	0	53	0	55	0	0	2	0	2	301	0	313	285	292	0	312	261	336	0	342	329	335	0	341	327	0	2	0	0	0	2
200	31	0	39	0	55	0	58	0	0	2	0	2	305	0	320	289	296	0	312	285	326	0	330	322	325	0	329	320	0	2	0	0	0	2
300	42	0	51	0	73	0	76	0	0	2	0	2	331	0	343	313	321	0	335	312	333	0	342	325	331	0	15	324	0	2	0	0	0	2
400	52	0	56	0	106	0	105	0	0	2	0	2	17	0	45	349	8	0	37	323	353	0	10	342	353	0	5	340	0	2	0	0	0	2
500	67	0	73	0	105	0	103	0	0	2	0	2	33	0	68	11	26	0	54	353	19	0	30	7	22	0	35	10	0	2	0	0	0	2
600	64	0	68	0	114	0	112	0	0	2	0	2	29	0	51	1	20	0	43	357	11	0	18	1	14	0	25	7	0	2	0	0	0	2
700	63	0	67	0	102	0	98	0	0	2	0	2	31	0	62	11	22	0	65	347	14	0	38	0	17	0	34	6	0	2	0	0	0	2
800	61	0	75	0	83	0	94	0	0	2	0	2	60	0	104	35	57	0	89	28	41	0	55	22	45	0	67	18	0	2	0	0	0	2
900	67	2	454	2	105	2	461	2	0	2	0	2	3	2	208	0	160	2	178	0	2	2	146	0	160	2	178	0	0	2	0	0	0	2
1000	64	2	498	2	114	2	495	2	0	2	0	2	0	2	0	0	178	2	183	178	0	2	0	0	178	2	179	178	0	2	0	0	0	2
1100	63	2	499	2	102	2	495	2	0	2	0	2	20	2	123	0	142	2	178	0	18	2	112	0	142	2	178	0	0	2	0	0	0	2
1200	39	2	75	2	43	2	94	2	0	2	0	2	95	2	157	15	18	2	168	0	75	2	138	14	20	2	106	294	0	2	0	0	0	2
1300	66	0	0	4	94	0	101	0	0	2	0	2	335	0	14	274	327	3	14	311	331	0	351	304	331	0	344	296	0	2	0	0	0	2
1400	52	0	22	0	74	0	75	0	0	2	0	2	350	0	170	292	334	3	34	311	348	0	22	302	351	0	35	301	0	2	0	0	0	2
1500	68	0	74	0	81	0	85	0	0	2	0	2	350	0	176	277	343	0	33	308	354	0	45	302	357	0	41	313	0	2	0	0	0	2
1600	28	0	34	0	41	0	44	0	0	2	0	2	350	3	146	271	359	0	178	311	0	0	52	291	0	0	68	287	0	2	0	0	0	2
1700	32	0	32	0	47	0	48	0	0	2	0	2	2	0	172	275	359	0	40	311	355	0	45	296	356	0	46	293	0	2	0	0	0	2
1800	28	0	34	0	57	0	61	0	0	2	0	2	27	3	172	323	21	0	166	337	10	0	43	341	11	0	35	330	0	2	0	0	0	2
1900	35	0	44	0	65	0	66	0	0	2	0	2	62	0	86	45	19	0	34	4	33	0	37	29	37	0	41	34	0	2	0	0	0	2
2000	62	0	61	0	73	0	72	0	0	2	0	2	89	0	101	80	115	0	176	356	75	0	83	68	78	0	86	276	0	2	0	0	0	2
2100	58	0	61	0	73	0	74	0	0	2	0	2	117	0	126	107	145	0	153	138	93	0	101	87	100	0	109	94	0	2	0	0	0	2
2200	61	0	65	0	85	0	86	0	0	2	0	2	133	0	148	126	135	0	159	132	114	0	121	108	120	0	126	116	0	2	0	0	0	2
2300	50	0	53	0	97	0	101	0	0	2	0	2	119	0	121	117	142	0	145	138	122	0	128	116	129	0	137	121	0	2	0	0	0	2
2400	60	0	62	0	120	0	123	0	0	2	0	2	124	0	137	116	137	0	145	132	154	0	159	145	160	0	165	150	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	306	0	305	0	310	0	314	0	320	2	320	2	11	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
200	305	0	303	0	312	0	315	0	320	2	320	2	13	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
300	310	0	310	0	312	0	314	0	320	2	320	2	5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	6
400	314	0	314	0	314	0	314	0	320	2	320	2	2	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
500	312	0	312	0	306	0	306	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	6
600	308	0	308	0	308	0	308	0	320	2	320	2	2	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
700	306	0	306	0	299	0	299	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	209	0
800	305	0	305	0	299	0	299	0	320	2	320	2	-4	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	208	6
900	394	2	457	2	247	2	455	2	320	2	320	2	0	2	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	16	2
1000	315	2	457	2	-175	2	455	2	320	2	320	2	0	2	-4	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	18	2
1100	453	2	457	2	-150	2	455	2	320	2	320	2	0	2	-13	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	15	2
1200	455	2	459	2	460	2	457	2	320	2	320	2	0	2	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	2
1300	356	0	354	0	347	0	343	0	320	2	320	2	-11	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
1400	385	0	385	0	381	0	369	0	320	2	320	2	-14	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
1500	363	0	361	0	367	0	363	0	320	2	320	2	4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1600	383	0	381	0	372	0	367	0	320	2	320	2	-13	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1700	374	0	370	0	369	0	361	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1800	369	0	367	0	367	0	367	0	320	2	320	2	0	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1900	338	0	338	0	369	0	369	0	320	2	320	2	31	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2000	358	0	358	0	385	0	388	0	320	2	320	2	31	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2100	360	0	360	0	372	0	376	0	320	2	320	2	18	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2200	361	0	361	0	374	0	374	0	320	2	320	2	13	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
2300	365	0	363	0	396	0	397	0	320	2	320	2	34	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	343	0	343	0	403	0	403	0	320	2	320	2	61	0	43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	62	0	66	0	156	0	161	0	0	2	0	2	170	0	253	140	170	0	211	130	178	0	181	175	183	0	187	178	0	2	0	0	0	2
200	69	0	74	0	158	0	166	0	0	2	0	2	165	0	232	122	161	0	189	132	175	0	180	171	181	0	184	176	0	2	0	0	0	2
300	68	0	71	0	159	0	169	0	0	2	0	2	155	0	236	113	157	0	186	135	167	0	174	156	172	0	180	165	0	2	0	0	0	2
400	82	0	0	2	150	0	0	2	0	2	0	2	149	1	127	169	0	2	0	0	163	0	147	176	0	2	0	0	0	2	0	0	0	2
500	82	0	0	2	146	0	0	2	0	2	0	2	146	1	128	156	0	2	0	0	147	0	134	158	0	2	0	0	0	2	0	0	0	2
600	82	0	0	2	180	0	0	2	0	2	0	2	139	1	127	155	0	2	0	0	151	0	141	166	0	2	0	0	0	2	0	0	0	2
700	109	0	0	2	196	0	0	2	0	2	0	2	140	1	125	157	0	2	0	0	157	0	143	172	0	2	0	0	0	2	0	0	0	2
800	102	0	0	2	0	2	0	2	0	2	0	2	147	1	130	167	0	2	0	0	137	2	0	0	0	2	0	0	0	2	0	0	0	2
900	0	2	0	2	0	2	0	2	0	2	0	2	149	2	0	0	0	2	0	0	137	2	0	0	0	2	0	0	0	2	0	0	0	2
1000	0	2	0	2	0	2	0	2	0	2	0	2	157	2	0	0	0	2	0	0	146	2	0	0	0	2	0	0	0	2	0	0	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	143	2	0	0	0	2	0	0	138	2	0	0	0	2	0	0	0	2	0	0	0	2
1200	0	2	0	2	0	2	0	2	0	2	0	2	160	2	0	0	0	2	0	0	137	2	0	0	0	2	0	0	0	2	0	0	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	149	2	0	0	0	2	0	0	127	2	0	0	0	2	0	0	0	2	0	0	0	2
1400	0	2	0	2	230	0	0	2	0	2	0	2	140	2	0	0	0	2	0	0	145	0	125	166	0	2	0	0	0	2	0	0	0	2
1500	150	0	0	2	246	0	0	2	0	2	0	2	157	1	120	186	0	2	0	0	140	0	124	152	0	2	0	0	0	2	0	0	0	2
1600	186	0	0	2	257	0	0	2	0	2	0	2	151	1	121	181	0	2	0	0	139	0	137	173	0	2	0	0	0	2	0	0	0	2
1700	152	0	0	2	211	0	0	2	0	2	0	2	157	1	123	193	0	2	0	0	149	0	127	169	0	2	0	0	0	2	0	0	0	2
1800	130	0	0	2	232	0	0	2	0	2	0	2	146	1	122	174	0	2	0	0	137	0	121	159	0	2	0	0	0	2	0	0	0	2
1900	127	0	0	2	207	0	0	2	0	2	0	2	143	1	122	172	0	2	0	0	141	0	127	157	0	2	0	0	0	2	0	0	0	2
2000	125	0	0	2	198	0	0	2	0	2	0	2	145	1	124	172	0	2	0	0	138	0	120	156	0	2	0	0	0	2	0	0	0	2
2100	125	0	0	2	232	0	0	2	0	2	0	2	146	1	123	172	0	2	0	0	147	0	133	166	0	2	0	0	0	2	0	0	0	2
2200	121	0	0	2	221	0	0	2	0	2	0	2	148	1	120	173	0	2	0	0	145	0	130	163	0	2	0	0	0	2	0	0	0	2
2300	146	0	0	2	225	0	0	2	0	2	0	2	155	1	128	183	0	2	0	0	150	0	133	170	0	2	0	0	0	2	0	0	0	2
2400	121	0	0	2	227	0	0	2	0	2	0	2	169	1	134	195	0	2	0	0	161	0	142	182	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	354	0	354	0	392	0	394	0	320	2	320	2	40	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
200	358	0	356	0	385	0	385	0	320	2	320	2	31	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
300	343	0	343	0	370	0	370	0	320	2	320	2	29	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
400	339	0	0	2	0	2	0	2	0	2	0	2	16	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	6
500	329	0	0	2	0	2	0	2	0	2	0	2	8	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	329	0	0	2	0	2	0	2	0	2	0	2	9	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	336	0	0	2	0	2	0	2	0	2	0	2	8	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	329	0	0	2	0	2	0	2	0	2	0	2	-3	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	-184	2	0	2	0	2	0	2	0	2	0	2	-174	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	-205	2	0	2	0	2	0	2	0	2	0	2	-172	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	-249	2	0	2	0	2	0	2	0	2	0	2	-169	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	-228	2	0	2	0	2	0	2	0	2	0	2	-169	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	-79	2	0	2	0	2	0	2	0	2	0	2	-170	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	-286	2	0	2	0	2	0	2	0	2	0	2	-162	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	547	0	0	2	0	2	0	2	0	2	0	2	-20	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	560	0	0	2	0	2	0	2	0	2	0	2	-14	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	571	0	0	2	0	2	0	2	0	2	0	2	-10	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	557	0	0	2	0	2	0	2	0	2	0	2	-10	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	537	0	0	2	0	2	0	2	0	2	0	2	-140	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	520	0	0	2	0	2	0	2	0	2	0	2	-143	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	486	0	0	2	0	2	0	2	0	2	0	2	-145	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	509	0	0	2	0	2	0	2	0	2	0	2	-145	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	492	0	0	2	0	2	0	2	0	2	0	2	-144	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	479	0	0	2	0	2	0	2	0	2	0	2	-143	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	138	0	0	2	230	0	0	2	0	2	0	2	161	1	124	197	0	2	0	0	176	0	156	197	0	2	0	0	0	2	0	0	0	2
200	109	0	0	2	217	0	0	2	0	2	0	2	177	1	136	219	0	2	0	0	215	0	194	239	0	2	0	0	0	2	0	0	0	2
300	121	0	0	2	175	0	0	2	0	2	0	2	212	1	172	246	0	2	0	0	195	0	181	223	0	2	0	0	0	2	0	0	0	2
400	84	0	0	2	159	0	0	2	0	2	0	2	178	1	142	218	0	2	0	0	187	0	160	209	0	2	0	0	0	2	0	0	0	2
500	84	0	0	2	180	0	0	2	0	2	0	2	195	1	150	226	0	2	0	0	183	0	159	197	0	2	0	0	0	2	0	0	0	2
600	132	0	0	2	209	0	0	2	0	2	0	2	165	1	129	204	0	2	0	0	161	0	136	187	0	2	0	0	0	2	0	0	0	2
700	113	0	0	2	221	0	0	2	0	2	0	2	170	1	115	206	0	2	0	0	179	0	150	206	0	2	0	0	0	2	0	0	0	2
800	121	0	0	2	202	0	0	2	0	2	0	2	167	1	120	213	0	2	0	0	178	0	160	203	0	2	0	0	0	2	0	0	0	2
900	117	0	0	2	211	0	0	2	0	2	0	2	168	1	123	214	0	2	0	0	172	0	146	192	0	2	0	0	0	2	0	0	0	2
1000	117	0	0	2	219	0	0	2	0	2	0	2	164	1	122	217	0	2	0	0	188	0	168	212	0	2	0	0	0	2	0	0	0	2
1100	121	0	0	2	196	0	0	2	0	2	0	2	188	1	143	229	0	2	0	0	208	0	179	232	0	2	0	0	0	2	0	0	0	2
1200	119	0	0	2	196	0	0	2	0	2	0	2	204	1	168	238	0	2	0	0	200	0	166	228	0	2	0	0	0	2	0	0	0	2
1300	169	0	0	2	180	0	0	2	0	2	0	2	222	1	186	250	0	2	0	0	235	0	214	260	0	2	0	0	0	2	0	0	0	2
1400	102	0	0	2	302	0	0	2	0	2	0	2	214	1	183	244	0	2	0	0	244	0	230	264	0	2	0	0	0	2	0	0	0	2
1500	194	0	0	2	348	0	0	2	0	2	0	2	258	1	227	296	0	2	0	0	249	0	233	263	0	2	0	0	0	2	0	0	0	2
1600	225	0	0	2	280	0	0	2	0	2	0	2	251	1	222	283	0	2	0	0	257	0	236	274	0	2	0	0	0	2	0	0	0	2
1700	234	0	0	2	284	0	0	2	0	2	0	2	263	1	235	293	0	2	0	0	259	0	242	274	0	2	0	0	0	2	0	0	0	2
1800	184	0	0	2	236	0	0	2	0	2	0	2	260	1	227	292	0	2	0	0	258	0	238	269	0	2	0	0	0	2	0	0	0	2
1900	177	0	0	2	267	0	0	2	0	2	0	2	253	1	217	286	0	2	0	0	244	0	233	256	0	2	0	0	0	2	0	0	0	2
2000	198	0	0	2	292	0	0	2	0	2	0	2	256	1	218	280	0	2	0	0	259	0	249	277	0	2	0	0	0	2	0	0	0	2
2100	205	0	0	2	267	0	0	2	0	2	0	2	258	1	226	291	0	2	0	0	254	0	241	271	0	2	0	0	0	2	0	0	0	2
2200	177	0	0	2	313	0	0	2	0	2	0	2	260	1	229	285	0	2	0	0	263	0	237	284	0	2	0	0	0	2	0	0	0	2
2300	188	0	0	2	346	0	0	2	0	2	0	2	264	1	226	290	0	2	0	0	267	0	246	285	0	2	0	0	0	2	0	0	0	2
2400	217	0	0	2	357	0	0	2	0	2	0	2	262	1	232	295	0	2	0	0	263	0	245	292	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	479	0	0	2	0	2	0	2	0	2	0	2	-165	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	513	0	0	2	0	2	0	2	0	2	0	2	-166	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	557	0	0	2	0	2	0	2	0	2	0	2	-164	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	438	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	394	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	356	0	0	2	0	2	0	2	0	2	0	2	-24	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	343	0	0	2	0	2	0	2	0	2	0	2	-24	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	346	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	322	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	305	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	329	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	312	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	333	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	198	0	0	2	305	0	0	2	0	2	0	2	233	2	0	0	0	2	0	0	258	0	241	277	0	2	0	0	0	2	0	0	0	2
200	200	0	0	2	317	0	0	2	0	2	0	2	231	2	0	0	0	2	0	0	260	0	240	283	0	2	0	0	0	2	0	0	0	2
300	209	0	0	2	321	0	0	2	0	2	0	2	251	2	0	0	0	2	0	0	276	0	262	287	0	2	0	0	0	2	0	0	0	2
400	275	0	0	2	275	0	0	2	0	2	0	2	204	2	0	0	0	2	0	0	267	0	254	291	0	2	0	0	0	2	0	0	0	2
500	207	0	0	2	221	0	0	2	0	2	0	2	211	2	0	0	0	2	0	0	320	0	311	332	0	2	0	0	0	2	0	0	0	2
600	175	0	0	2	252	0	0	2	0	2	0	2	229	2	0	0	0	2	0	0	308	0	298	321	0	2	0	0	0	2	0	0	0	2
700	196	0	0	2	252	0	0	2	0	2	0	2	232	2	0	0	0	2	0	0	314	0	303	332	0	2	0	0	0	2	0	0	0	2
800	205	0	0	2	277	0	0	2	0	2	0	2	219	2	0	0	0	2	0	0	304	0	295	317	0	2	0	0	0	2	0	0	0	2
900	186	0	0	2	280	0	0	2	0	2	0	2	208	2	0	0	0	2	0	0	305	0	298	318	0	2	0	0	0	2	0	0	0	2
1000	205	0	0	2	261	0	0	2	0	2	0	2	208	2	0	0	0	2	0	0	302	0	294	312	0	2	0	0	0	2	0	0	0	2
1100	198	0	0	2	257	0	0	2	0	2	0	2	199	2	0	0	0	2	0	0	310	0	298	323	0	2	0	0	0	2	0	0	0	2
1200	223	0	0	2	269	0	0	2	0	2	0	2	196	2	0	0	0	2	0	0	304	0	290	314	0	2	0	0	0	2	0	0	0	2
1300	198	0	0	2	261	0	0	2	0	2	0	2	227	2	0	0	0	2	0	0	302	0	292	316	0	2	0	0	0	2	0	0	0	2
1400	184	0	0	2	248	0	0	2	0	2	0	2	241	2	0	0	0	2	0	0	309	0	293	331	0	2	0	0	0	2	0	0	0	2
1500	188	0	0	2	269	0	0	2	0	2	0	2	227	2	0	0	0	2	0	0	305	0	293	318	0	2	0	0	0	2	0	0	0	2
1600	205	0	0	2	248	0	0	2	0	2	0	2	274	2	0	0	0	2	0	0	309	0	295	320	0	2	0	0	0	2	0	0	0	2
1700	188	0	0	2	238	0	0	2	0	2	0	2	289	2	0	0	0	2	0	0	302	0	287	311	0	2	0	0	0	2	0	0	0	2
1800	173	0	0	2	246	0	0	2	0	2	0	2	319	2	0	0	0	2	0	0	296	0	285	308	0	2	0	0	0	2	0	0	0	2
1900	173	0	0	2	259	0	0	2	0	2	0	2	330	2	0	0	0	2	0	0	298	0	289	310	0	2	0	0	0	2	0	0	0	2
2000	207	0	0	2	275	0	0	2	0	2	0	2	321	2	0	0	0	2	0	0	309	0	298	323	0	2	0	0	0	2	0	0	0	2
2100	177	0	0	2	248	0	0	2	0	2	0	2	325	2	0	0	0	2	0	0	295	0	281	308	0	2	0	0	0	2	0	0	0	2
2200	190	0	0	2	263	0	0	2	0	2	0	2	327	2	0	0	0	2	0	0	291	0	280	305	0	2	0	0	0	2	0	0	0	2
2300	175	0	0	2	288	0	0	2	0	2	0	2	326	2	0	0	0	2	0	0	302	0	287	318	0	2	0	0	0	2	0	0	0	2
2400	230	0	0	2	265	0	0	2	0	2	0	2	326	2	0	0	0	2	0	0	291	0	276	313	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	322	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	322	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	305	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	316	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	272	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	265	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	268	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	282	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	271	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	275	0	0	2	0	2	0	2	0	2	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	251	0	0	2	0	2	0	2	0	2	0	2	-28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	251	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	282	0	0	2	0	2	0	2	0	2	0	2	-34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	271	0	0	2	0	2	0	2	0	2	0	2	-35	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	254	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	237	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	251	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	224	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	251	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	227	0	0	2	0	2	0	2	0	2	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	241	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	248	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	234	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	254	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	202	0	0	2	280	0	0	2	0	2	0	2	335	2	0	0	0	2	0	0	294	0	286	309	0	2	0	0	0	2	0	0	0	2
200	221	0	0	2	290	0	0	2	0	2	0	2	335	2	0	0	0	2	0	0	294	0	272	308	0	2	0	0	0	2	0	0	0	2
300	223	0	0	2	259	0	0	2	0	2	0	2	339	2	0	0	0	2	0	0	321	0	307	339	0	2	0	0	0	2	0	0	0	2
400	184	0	0	2	250	0	0	2	0	2	0	2	302	2	0	0	0	2	0	0	314	0	300	341	0	2	0	0	0	2	0	0	0	2
500	155	0	0	2	244	0	0	2	0	2	0	2	323	2	0	0	0	2	0	0	318	0	301	331	0	2	0	0	0	2	0	0	0	2
600	152	0	0	2	261	0	0	2	0	2	0	2	318	2	0	0	0	2	0	0	317	0	300	339	0	2	0	0	0	2	0	0	0	2
700	175	0	0	2	275	0	0	2	0	2	0	2	328	2	0	0	0	2	0	0	321	0	296	336	0	2	0	0	0	2	0	0	0	2
800	194	0	0	2	252	0	0	2	0	2	0	2	322	2	0	0	0	2	0	0	325	0	307	348	0	2	0	0	0	2	0	0	0	2
900	177	0	0	2	230	0	0	2	0	2	0	2	337	2	0	0	0	2	0	0	341	0	317	4	0	2	0	0	0	2	0	0	0	2
1000	184	0	0	2	273	0	0	2	0	2	0	2	331	2	0	0	0	2	0	0	322	0	307	344	0	2	0	0	0	2	0	0	0	2
1100	188	0	0	2	286	0	0	2	0	2	0	2	329	2	0	0	0	2	0	0	311	0	296	330	0	2	0	0	0	2	0	0	0	2
1200	198	0	0	2	255	0	0	2	0	2	0	2	330	2	0	0	0	2	0	0	313	0	287	335	0	2	0	0	0	2	0	0	0	2
1300	194	0	0	2	271	0	0	2	0	2	0	2	329	2	0	0	0	2	0	0	317	0	301	332	0	2	0	0	0	2	0	0	0	2
1400	209	0	0	2	271	0	0	2	0	2	0	2	338	2	0	0	0	2	0	0	305	0	282	320	0	2	0	0	0	2	0	0	0	2
1500	205	0	0	2	275	0	0	2	0	2	0	2	338	2	0	0	0	2	0	0	310	0	298	326	0	2	0	0	0	2	0	0	0	2
1600	188	0	0	2	244	0	0	2	0	2	0	2	338	2	0	0	0	2	0	0	318	0	301	334	0	2	0	0	0	2	0	0	0	2
1700	171	0	0	2	240	0	0	2	0	2	0	2	334	2	0	0	0	2	0	0	314	0	300	328	0	2	0	0	0	2	0	0	0	2
1800	192	0	0	2	242	0	0	2	0	2	0	2	336	2	0	0	0	2	0	0	320	0	309	336	0	2	0	0	0	2	0	0	0	2
1900	202	0	0	2	246	0	0	2	0	2	0	2	335	2	0	0	0	2	0	0	329	0	311	345	0	2	0	0	0	2	0	0	0	2
2000	173	0	0	2	259	0	0	2	0	2	0	2	340	2	0	0	0	2	0	0	320	0	310	334	0	2	0	0	0	2	0	0	0	2
2100	175	0	0	2	255	0	0	2	0	2	0	2	340	2	0	0	0	2	0	0	322	0	303	338	0	2	0	0	0	2	0	0	0	2
2200	182	0	0	2	257	0	0	2	0	2	0	2	340	2	0	0	0	2	0	0	336	0	313	356	0	2	0	0	0	2	0	0	0	2
2300	150	0	0	2	234	0	0	2	0	2	0	2	348	2	0	0	0	2	0	0	339	0	317	4	0	2	0	0	0	2	0	0	0	2
2400	157	0	0	2	240	0	0	2	0	2	0	2	344	2	0	0	0	2	0	0	317	0	308	336	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	254	0	0	2	0	2	0	2	0	2	0	2	-31	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	248	0	0	2	0	2	0	2	0	2	0	2	-28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	244	0	0	2	0	2	0	2	0	2	0	2	-28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	254	0	0	2	0	2	0	2	0	2	0	2	-31	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	237	0	0	2	0	2	0	2	0	2	0	2	-31	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	227	0	0	2	0	2	0	2	0	2	0	2	-31	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	237	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	237	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	241	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	224	0	0	2	0	2	0	2	0	2	0	2	-34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	241	0	0	2	0	2	0	2	0	2	0	2	-34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	268	0	0	2	0	2	0	2	0	2	0	2	-32	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	241	0	0	2	0	2	0	2	0	2	0	2	-33	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	231	0	0	2	0	2	0	2	0	2	0	2	-24	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	234	0	0	2	0	2	0	2	0	2	0	2	-36	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	234	0	0	2	0	2	0	2	0	2	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	237	0	0	2	0	2	0	2	0	2	0	2	-28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	231	0	0	2	0	2	0	2	0	2	0	2	-24	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	234	0	0	2	0	2	0	2	0	2	0	2	-32	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	244	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	247	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	261	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	241	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	257	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	177	0	0	2	250	0	0	2	0	2	0	2	340	2	0	0	0	2	0	0	323	0	305	341	0	2	0	0	0	2	0	0	0	2
200	169	0	0	2	246	0	0	2	0	2	0	2	346	2	0	0	0	2	0	0	305	0	294	316	0	2	0	0	0	2	0	0	0	2
300	177	0	0	2	113	0	0	2	0	2	0	2	346	2	0	0	0	2	0	0	349	0	319	19	0	2	0	0	0	2	0	0	0	2
400	75	0	0	2	80	0	0	2	0	2	0	2	44	2	0	0	0	2	0	0	60	0	59	92	0	2	0	0	0	2	0	0	0	2
500	71	0	0	2	59	0	0	2	0	2	0	2	44	2	0	0	0	2	0	0	85	0	69	100	0	2	0	0	0	2	0	0	0	2
600	57	0	0	2	32	0	0	2	0	2	0	2	56	2	0	0	0	2	0	0	116	0	92	143	0	2	0	0	0	2	0	0	0	2
700	38	0	0	2	38	0	0	2	0	2	0	2	335	2	0	0	0	2	0	0	46	0	6	80	0	2	0	0	0	2	0	0	0	2
800	42	0	0	2	159	0	0	2	0	2	0	2	332	2	0	0	0	2	0	0	326	0	303	346	0	2	0	0	0	2	0	0	0	2
900	134	0	0	2	192	0	0	2	0	2	0	2	337	2	0	0	0	2	0	0	313	0	291	339	0	2	0	0	0	2	0	0	0	2
1000	155	0	0	2	117	0	0	2	0	2	0	2	330	2	0	0	0	2	0	0	21	0	357	43	0	2	0	0	0	2	0	0	0	2
1100	75	0	0	2	100	0	0	2	0	2	0	2	2	2	0	0	0	2	0	0	339	0	310	4	0	2	0	0	0	2	0	0	0	2
1200	107	0	0	2	219	0	0	2	0	2	0	2	352	2	0	0	0	2	0	0	326	0	308	354	0	2	0	0	0	2	0	0	0	2
1300	159	0	0	2	227	0	0	2	0	2	0	2	340	2	0	0	0	2	0	0	325	0	299	349	0	2	0	0	0	2	0	0	0	2
1400	153	0	0	2	219	0	0	2	0	2	0	2	343	2	0	0	0	2	0	0	319	0	303	343	0	2	0	0	0	2	0	0	0	2
1500	148	0	0	2	236	0	0	2	0	2	0	2	338	2	0	0	0	2	0	0	319	0	303	344	0	2	0	0	0	2	0	0	0	2
1600	148	0	0	2	227	0	0	2	0	2	0	2	337	2	0	0	0	2	0	0	326	0	307	338	0	2	0	0	0	2	0	0	0	2
1700	190	0	0	2	246	0	0	2	0	2	0	2	340	2	0	0	0	2	0	0	314	0	300	330	0	2	0	0	0	2	0	0	0	2
1800	161	0	0	2	242	0	0	2	0	2	0	2	338	2	0	0	0	2	0	0	316	0	302	334	0	2	0	0	0	2	0	0	0	2
1900	169	0	0	2	232	0	0	2	0	2	0	2	345	2	0	0	0	2	0	0	314	0	304	328	0	2	0	0	0	2	0	0	0	2
2000	157	0	0	2	219	0	0	2	0	2	0	2	338	2	0	0	0	2	0	0	322	0	304	340	0	2	0	0	0	2	0	0	0	2
2100	148	0	0	2	209	0	0	2	0	2	0	2	336	2	0	0	0	2	0	0	316	0	301	335	0	2	0	0	0	2	0	0	0	2
2200	155	0	0	2	221	0	0	2	0	2	0	2	345	2	0	0	0	2	0	0	327	0	311	348	0	2	0	0	0	2	0	0	0	2
2300	163	0	0	2	202	0	0	2	0	2	0	2	343	2	0	0	0	2	0	0	313	0	298	323	0	2	0	0	0	2	0	0	0	2
2400	171	0	0	2	213	0	0	2	0	2	0	2	341	2	0	0	0	2	0	0	307	0	295	321	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	234	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	244	0	0	2	0	2	0	2	0	2	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	220	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	183	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	200	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	173	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	180	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	159	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	261	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	268	0	0	2	0	2	0	2	0	2	0	2	-31	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	268	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	251	0	0	2	0	2	0	2	0	2	0	2	-33	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	254	0	0	2	0	2	0	2	0	2	0	2	-34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	285	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	271	0	0	2	0	2	0	2	0	2	0	2	-38	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	275	0	0	2	0	2	0	2	0	2	0	2	-34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	258	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	268	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	254	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	251	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	258	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	288	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	285	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	295	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	186	0	0	2	223	0	0	2	0	2	0	2	349	2	0	0	0	2	0	0	309	0	299	320	0	2	0	0	0	2	0	0	0	2
200	155	0	0	2	196	0	0	2	0	2	0	2	353	2	0	0	0	2	0	0	313	0	294	328	0	2	0	0	0	2	0	0	0	2
300	152	0	0	2	200	0	0	2	0	2	0	2	352	2	0	0	0	2	0	0	326	0	311	340	0	2	0	0	0	2	0	0	0	2
400	150	0	0	2	200	0	0	2	0	2	0	2	314	2	0	0	0	2	0	0	305	0	296	319	0	2	0	0	0	2	0	0	0	2
500	148	0	0	2	182	0	0	2	0	2	0	2	309	2	0	0	0	2	0	0	327	0	307	349	0	2	0	0	0	2	0	0	0	2
600	171	0	0	2	188	0	0	2	0	2	0	2	317	2	0	0	0	2	0	0	320	0	304	339	0	2	0	0	0	2	0	0	0	2
700	142	0	0	2	177	0	0	2	0	2	0	2	331	2	0	0	0	2	0	0	319	0	302	343	0	2	0	0	0	2	0	0	0	2
800	184	0	0	2	192	0	0	2	0	2	0	2	321	2	0	0	0	2	0	0	320	0	299	339	0	2	0	0	0	2	0	0	0	2
900	152	0	0	2	167	0	0	2	0	2	0	2	318	2	0	0	0	2	0	0	305	0	293	318	0	2	0	0	0	2	0	0	0	2
1000	138	0	0	2	167	0	0	2	0	2	0	2	322	2	0	0	0	2	0	0	280	0	257	298	0	2	0	0	0	2	0	0	0	2
1100	161	0	0	2	192	0	0	2	0	2	0	2	326	2	0	0	0	2	0	0	275	0	257	298	0	2	0	0	0	2	0	0	0	2
1200	173	0	0	2	190	0	0	2	0	2	0	2	325	2	0	0	0	2	0	0	283	0	251	305	0	2	0	0	0	2	0	0	0	2
1300	180	0	0	2	225	0	0	2	0	2	0	2	323	2	0	0	0	2	0	0	294	0	284	309	0	2	0	0	0	2	0	0	0	2
1400	159	0	0	2	211	0	0	2	0	2	0	2	326	2	0	0	0	2	0	0	302	0	285	316	0	2	0	0	0	2	0	0	0	2
1500	134	0	0	2	180	0	0	2	0	2	0	2	330	2	0	0	0	2	0	0	337	0	321	355	0	2	0	0	0	2	0	0	0	2
1600	113	0	0	2	136	0	0	2	0	2	0	2	330	2	0	0	0	2	0	0	337	0	318	1	0	2	0	0	0	2	0	0	0	2
1700	67	0	0	2	117	0	0	2	0	2	0	2	349	2	0	0	0	2	0	0	355	0	317	22	0	2	0	0	0	2	0	0	0	2
1800	80	0	0	2	94	0	0	2	0	2	0	2	6	2	0	0	0	2	0	0	6	0	336	34	0	2	0	0	0	2	0	0	0	2
1900	50	0	0	2	111	0	0	2	0	2	0	2	347	2	0	0	0	2	0	0	352	0	321	21	0	2	0	0	0	2	0	0	0	2
2000	57	0	0	2	84	0	0	2	0	2	0	2	347	2	0	0	0	2	0	0	354	0	310	33	0	2	0	0	0	2	0	0	0	2
2100	48	0	0	2	86	0	0	2	0	2	0	2	313	2	0	0	0	2	0	0	322	0	308	338	0	2	0	0	0	2	0	0	0	2
2200	50	0	0	2	88	0	0	2	0	2	0	2	328	2	0	0	0	2	0	0	290	0	262	311	0	2	0	0	0	2	0	0	0	2
2300	46	0	0	2	90	0	0	2	0	2	0	2	319	2	0	0	0	2	0	0	290	0	250	318	0	2	0	0	0	2	0	0	0	2
2400	88	0	0	2	100	0	0	2	0	2	0	2	296	2	0	0	0	2	0	0	263	0	250	276	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	288	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	305	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	322	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	319	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	336	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	299	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	295	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	292	0	0	2	0	2	0	2	0	2	0	2	-28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	299	0	0	2	0	2	0	2	0	2	0	2	-24	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	319	0	0	2	0	2	0	2	0	2	0	2	-37	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	326	0	0	2	0	2	0	2	0	2	0	2	-43	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	322	0	0	2	0	2	0	2	0	2	0	2	-39	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	353	0	0	2	0	2	0	2	0	2	0	2	-45	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	343	0	0	2	0	2	0	2	0	2	0	2	-37	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	333	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	302	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	316	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	302	0	0	2	0	2	0	2	0	2	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	305	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	288	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	268	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	275	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	282	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	295	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	42	0	0	2	65	0	0	2	0	2	0	2	228	2	0	0	0	2	0	0	265	0	250	280	0	2	0	0	0	2	0	0	0	2
200	82	0	0	2	109	0	0	2	0	2	0	2	204	2	0	0	0	2	0	0	236	0	220	247	0	2	0	0	0	2	0	0	0	2
300	113	0	0	2	148	0	0	2	0	2	0	2	194	2	0	0	0	2	0	0	250	0	231	264	0	2	0	0	0	2	0	0	0	2
400	94	0	0	2	159	0	0	2	0	2	0	2	232	2	0	0	0	2	0	0	242	0	228	262	0	2	0	0	0	2	0	0	0	2
500	57	0	0	2	103	0	0	2	0	2	0	2	223	2	0	0	0	2	0	0	271	0	246	300	0	2	0	0	0	2	0	0	0	2
600	57	0	0	2	117	0	0	2	0	2	0	2	282	2	0	0	0	2	0	0	286	0	266	304	0	2	0	0	0	2	0	0	0	2
700	59	0	0	2	98	0	0	2	0	2	0	2	200	2	0	0	0	2	0	0	226	0	209	247	0	2	0	0	0	2	0	0	0	2
800	42	0	0	2	86	0	0	2	0	2	0	2	202	2	0	0	0	2	0	0	206	0	188	222	0	2	0	0	0	2	0	0	0	2
900	71	0	0	2	103	0	0	2	0	2	0	2	221	2	0	0	0	2	0	0	283	0	265	302	0	2	0	0	0	2	0	0	0	2
1000	94	0	0	2	113	0	0	2	0	2	0	2	286	0	266	321	0	2	0	0	285	0	264	303	0	2	0	0	0	2	0	0	0	2
1100	88	0	0	2	109	0	0	2	0	2	0	2	285	0	280	313	0	2	0	0	294	0	278	307	0	2	0	0	0	2	0	0	0	2
1200	69	0	0	2	90	0	0	2	0	2	0	2	250	0	228	268	0	2	0	0	247	0	227	275	0	2	0	0	0	2	0	0	0	2
1300	69	0	0	2	94	0	0	2	0	2	0	2	266	0	229	291	0	2	0	0	251	0	226	276	0	2	0	0	0	2	0	0	0	2
1400	103	0	0	2	90	0	0	2	0	2	0	2	269	0	248	290	0	2	0	0	268	0	248	307	0	2	0	0	0	2	0	0	0	2
1500	78	0	0	2	86	0	0	2	0	2	0	2	307	0	280	331	0	2	0	0	301	0	289	316	0	2	0	0	0	2	0	0	0	2
1600	59	0	0	2	71	0	0	2	0	2	0	2	314	0	282	338	0	2	0	0	299	0	285	314	0	2	0	0	0	2	0	0	0	2
1700	53	0	35	0	76	0	45	0	0	2	0	2	337	0	289	6	326	0	359	275	322	0	310	347	326	0	343	310	0	2	0	0	0	2
1800	40	0	10	0	32	0	12	0	0	2	0	2	247	0	221	282	218	3	266	96	250	0	232	280	249	0	297	211	0	2	0	0	0	2
1900	46	0	15	0	46	0	35	0	0	2	0	2	186	0	152	226	156	3	223	100	224	0	213	233	221	0	237	187	0	2	0	0	0	2
2000	33	0	33	0	53	0	48	0	0	2	0	2	223	0	245	200	219	0	238	195	226	0	236	213	232	0	241	220	0	2	0	0	0	2
2100	27	0	29	0	46	0	46	0	0	2	0	2	220	0	252	171	218	0	254	150	230	0	243	207	235	0	247	214	0	2	0	0	0	2
2200	40	0	40	0	72	0	68	0	0	2	0	2	231	0	267	199	227	0	249	203	223	0	237	204	228	0	238	208	0	2	0	0	0	2
2300	77	0	82	0	98	0	108	0	0	2	0	2	294	0	330	256	287	0	315	235	282	0	303	229	284	0	307	226	0	2	0	0	0	2
2400	91	0	94	0	100	0	114	0	0	2	0	2	300	0	326	264	296	0	324	275	284	0	315	257	286	0	303	253	0	2	0	0	0	2

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D T 1 150A	S	D T 2 150B	S	D T 3	S	D T 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	295	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	285	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	305	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	312	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	329	0	0	2	0	2	0	2	0	2	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	343	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	346	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	350	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	356	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	370	0	0	2	0	2	0	2	0	2	0	2	-38	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	380	0	0	2	0	2	0	2	0	2	0	2	-42	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	401	0	0	2	0	2	0	2	0	2	0	2	-28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	397	0	0	2	0	2	0	2	0	2	0	2	-34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	401	0	0	2	0	2	0	2	0	2	0	2	-34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	368	0	0	2	0	2	0	2	0	2	0	2	-49	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	364	0	0	2	0	2	0	2	0	2	0	2	-42	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	350	0	352	0	336	0	338	0	320	2	320	2	-13	0	-37	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1800	334	0	345	0	342	0	342	0	320	2	320	2	-2	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1900	334	0	340	0	349	0	351	0	320	2	320	2	11	0	-15	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2000	352	0	352	0	352	0	352	0	320	2	320	2	2	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2100	352	0	352	0	354	0	354	0	320	2	320	2	4	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	6
2200	354	0	354	0	356	0	354	0	320	2	320	2	2	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2300	349	0	351	0	345	0	343	0	320	2	320	2	-4	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2400	324	0	324	0	314	0	314	0	320	2	320	2	-7	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	70	0	77	0	86	0	98	0	0	2	0	2	295	0	330	252	290	0	334	222	279	0	307	244	283	0	313	241	0	2	0	0	0	2
200	79	0	88	0	96	0	109	0	0	2	0	2	289	0	328	246	285	0	317	244	277	0	307	242	281	0	312	230	0	2	0	0	0	2
300	101	0	105	0	123	0	138	0	0	2	0	2	292	0	345	234	285	0	323	241	280	0	314	246	281	0	313	244	0	2	0	0	0	2
400	134	0	138	0	177	0	180	0	0	2	0	2	310	0	353	282	304	0	334	271	305	0	321	285	307	0	320	291	0	2	0	0	0	2
500	114	0	118	0	136	0	151	0	0	2	0	2	301	0	336	269	294	0	317	262	288	0	296	253	291	0	303	270	0	2	0	0	0	2
600	59	0	65	0	77	0	84	0	0	2	0	2	270	0	321	234	267	0	321	232	268	0	318	232	272	0	312	246	0	2	0	0	0	2
700	135	0	144	0	150	0	167	0	0	2	0	2	273	0	302	239	267	0	293	238	262	0	292	252	266	0	282	253	0	2	0	0	0	2
800	135	0	142	0	178	0	192	0	0	2	0	2	269	0	293	232	263	0	290	216	254	0	264	225	258	0	266	224	0	2	0	0	0	2
900	133	0	128	0	196	0	198	0	0	2	0	2	266	0	302	225	260	0	306	234	252	0	272	236	255	0	264	234	0	2	0	0	0	2
1000	133	0	136	0	185	0	188	0	0	2	0	2	265	0	301	209	262	0	293	220	253	0	267	230	255	0	266	229	0	2	0	0	0	2
1100	129	0	134	0	154	0	164	0	0	2	0	2	272	0	319	236	265	0	298	224	266	0	289	243	267	0	283	220	0	2	0	0	0	2
1200	122	0	125	0	140	0	151	0	0	2	0	2	270	0	299	235	264	0	294	240	266	0	317	240	268	0	318	244	0	2	0	0	0	2
1300	103	0	106	0	122	0	133	0	0	2	0	2	285	0	320	227	281	0	315	218	276	0	307	231	277	0	304	239	0	2	0	0	0	2
1400	74	0	76	0	84	0	91	0	0	2	0	2	289	0	343	238	283	0	322	230	271	0	328	234	274	0	321	226	0	2	0	0	0	2
1500	98	0	99	0	117	0	129	0	0	2	0	2	299	0	330	265	294	0	321	257	288	0	299	263	291	0	300	274	0	2	0	0	0	2
1600	103	0	108	0	154	0	157	0	0	2	0	2	319	0	345	265	311	0	359	266	315	0	326	302	317	0	338	308	0	2	0	0	0	2
1700	81	0	98	0	133	0	137	0	0	2	0	2	334	0	17	275	327	0	24	274	324	0	12	292	326	0	340	300	0	2	0	0	0	2
1800	72	0	79	0	100	0	108	0	0	2	0	2	336	0	6	274	330	0	11	275	324	0	333	282	326	0	336	303	0	2	0	0	0	2
1900	50	0	55	0	69	0	72	0	0	2	0	2	314	0	341	277	309	0	332	281	309	0	316	302	310	0	320	302	0	2	0	0	0	2
2000	42	0	46	0	60	0	64	0	0	2	0	2	312	0	347	281	306	0	335	272	307	0	319	289	308	0	317	297	0	2	0	0	0	2
2100	33	0	40	0	48	0	53	0	0	2	0	2	309	0	359	271	304	0	342	275	301	0	314	290	303	0	316	292	0	2	0	0	0	2
2200	32	0	41	0	50	0	59	0	0	2	0	2	330	0	349	295	324	0	345	300	322	0	330	308	323	0	333	310	0	2	0	0	0	2
2300	20	0	28	0	31	0	38	0	0	2	0	2	340	0	357	328	333	0	349	318	322	0	333	308	323	0	338	310	0	2	0	0	0	2
2400	15	0	23	0	17	0	24	0	0	2	0	2	269	0	311	241	265	0	310	238	289	0	315	235	292	0	317	242	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	317	0	317	0	310	0	310	0	320	2	320	2	-5	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
200	315	0	315	0	308	0	308	0	320	2	320	2	-5	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
300	315	0	315	0	306	0	306	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
400	308	0	308	0	299	0	299	0	320	2	320	2	-7	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
500	310	0	310	0	299	0	301	0	320	2	320	2	-7	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
600	310	0	310	0	301	0	306	0	320	2	320	2	0	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
700	314	0	314	0	303	0	306	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
800	314	0	315	0	305	0	306	0	320	2	320	2	-7	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
900	312	0	312	0	303	0	303	0	320	2	320	2	-9	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1000	317	0	322	0	305	0	305	0	320	2	320	2	-11	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1100	334	0	336	0	320	0	320	0	320	2	320	2	-14	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1200	345	0	347	0	325	0	327	0	320	2	320	2	-16	0	-36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1300	356	0	358	0	331	0	331	0	320	2	320	2	-25	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1400	376	0	376	0	345	0	343	0	320	2	320	2	-29	0	-41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	6
1500	372	0	372	0	336	0	342	0	320	2	320	2	-27	0	-45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1600	361	0	363	0	336	0	340	0	320	2	320	2	-23	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1700	352	0	354	0	338	0	340	0	320	2	320	2	-14	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1800	345	0	347	0	334	0	336	0	320	2	320	2	-9	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1900	329	0	329	0	325	0	322	0	320	2	320	2	-5	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2000	320	0	320	0	325	0	320	0	320	2	320	2	2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2100	320	0	322	0	324	0	320	0	320	2	320	2	2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2200	320	0	320	0	320	0	322	0	320	2	320	2	2	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2300	315	0	314	0	315	0	317	0	320	2	320	2	5	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2400	287	0	285	0	305	0	305	0	320	2	320	2	22	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	20	0	22	0	22	0	28	0	0	2	0	2	244	0	267	223	242	0	260	225	256	0	275	242	261	0	287	249	0	2	0	0	0	2
200	20	0	28	0	36	0	40	0	0	2	0	2	345	5	356	330	338	0	350	325	347	0	357	335	352	0	3	337	0	2	0	0	0	2
300	30	0	36	0	54	0	60	0	0	2	0	2	357	3	37	317	351	0	34	312	344	0	9	302	347	0	17	298	0	2	0	0	0	2
400	74	0	77	0	125	0	129	0	0	2	0	2	355	0	47	309	352	0	58	272	343	0	21	310	347	0	19	315	0	2	0	0	0	2
500	95	0	103	0	141	0	150	0	0	2	0	2	334	0	4	279	331	0	6	285	326	0	343	313	328	0	347	313	0	2	0	0	0	2
600	114	0	116	0	143	0	146	0	0	2	0	2	314	0	348	278	309	0	338	277	310	0	334	297	312	0	340	301	0	2	0	0	0	2
700	114	0	119	0	147	0	149	0	0	2	0	2	311	0	353	278	306	0	353	254	304	0	321	284	306	0	323	292	0	2	0	0	0	2
800	121	0	127	0	150	0	164	0	0	2	0	2	300	0	339	274	294	0	323	269	290	0	300	282	292	0	303	282	0	2	0	0	0	2
900	141	0	144	0	162	0	177	0	0	2	0	2	297	0	315	262	291	0	315	265	289	0	303	277	292	0	302	282	0	2	0	0	0	2
1000	148	0	153	0	171	0	191	0	0	2	0	2	298	0	330	263	293	0	327	254	286	0	305	251	288	0	302	265	0	2	0	0	0	2
1100	166	0	166	0	194	0	213	0	0	2	0	2	297	0	322	251	294	0	322	226	287	0	300	243	289	0	299	236	0	2	0	0	0	2
1200	161	0	166	0	207	0	221	0	0	2	0	2	300	0	333	272	295	0	325	266	292	0	307	283	294	0	306	286	0	2	0	0	0	2
1300	141	0	142	0	159	0	175	0	0	2	0	2	301	0	330	274	295	0	314	269	285	0	305	237	290	0	311	266	0	2	0	0	0	2
1400	94	0	102	0	112	0	118	0	0	2	0	2	269	0	328	240	267	0	356	226	262	0	308	228	265	0	298	228	0	2	0	0	0	2
1500	78	0	84	0	82	0	93	0	0	2	0	2	264	0	304	236	262	0	305	228	262	0	293	223	265	0	310	241	0	2	0	0	0	2
1600	53	0	59	0	56	0	62	0	0	2	0	2	260	0	289	223	257	0	291	214	251	0	282	209	256	0	300	214	0	2	0	0	0	2
1700	32	0	37	0	37	0	43	0	0	2	0	2	249	0	287	213	246	0	280	211	258	0	292	192	262	0	317	221	0	2	0	0	0	2
1800	55	0	58	0	84	0	93	0	0	2	0	2	257	0	296	224	253	0	327	218	253	0	275	234	258	0	275	241	0	2	0	0	0	2
1900	133	0	132	0	163	0	177	0	0	2	0	2	298	0	341	256	295	0	319	244	290	0	319	265	293	0	318	262	0	2	0	0	0	2
2000	62	0	67	0	83	0	91	0	0	2	0	2	307	0	331	279	300	0	327	273	297	0	308	285	299	0	309	274	0	2	0	0	0	2
2100	93	0	99	0	127	0	129	0	0	2	0	2	308	0	342	284	303	0	322	265	302	0	309	294	303	0	316	292	0	2	0	0	0	2
2200	121	0	128	0	191	0	200	0	0	2	0	2	316	0	358	284	312	0	344	288	312	0	319	302	315	0	322	307	0	2	0	0	0	2
2300	102	0	107	0	191	0	199	0	0	2	0	2	22	0	69	340	22	0	77	320	353	0	50	316	359	0	38	317	0	2	0	0	0	2
2400	119	0	118	0	222	0	226	0	0	2	0	2	6	0	95	286	6	0	113	296	347	0	44	319	354	0	41	320	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	288	0	288	0	297	0	296	0	320	2	320	2	11	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
200	297	0	296	0	301	0	301	0	320	2	320	2	7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
300	301	0	301	0	303	0	303	0	320	2	320	2	4	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
400	306	0	306	0	303	0	303	0	320	2	320	2	-2	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	6
500	305	0	305	0	301	0	299	0	320	2	320	2	-4	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
600	301	0	301	0	296	0	294	0	320	2	320	2	-5	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
700	299	0	299	0	294	0	294	0	320	2	320	2	-4	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
800	301	0	301	0	301	0	292	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	6
900	305	0	305	0	305	0	290	0	320	2	320	2	-11	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1000	310	0	310	0	303	0	290	0	320	2	320	2	-18	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1100	315	0	315	0	301	0	292	0	320	2	320	2	-23	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1200	325	0	325	0	299	0	292	0	320	2	320	2	-29	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	6
1300	331	0	331	0	306	0	297	0	320	2	320	2	-31	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1400	340	0	340	0	325	0	314	0	320	2	320	2	-25	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1500	349	0	349	0	340	0	324	0	320	2	320	2	-22	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	6
1600	349	0	349	0	345	0	331	0	320	2	320	2	-16	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1700	338	0	340	0	334	0	327	0	320	2	320	2	-11	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1800	338	0	340	0	336	0	336	0	320	2	320	2	2	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1900	338	0	338	0	327	0	327	0	320	2	320	2	-9	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2000	310	0	310	0	303	0	303	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2100	322	0	322	0	315	0	314	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	105	0
2200	320	0	320	0	312	0	312	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	108	0
2300	297	0	297	0	288	0	288	0	320	2	320	2	-7	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	108	0
2400	297	0	297	0	285	0	283	0	320	2	320	2	-13	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	108	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: .TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	127	0	129	0	216	0	221	0	0	2	0	2	26	0	71	341	22	0	71	332	359	0	21	313	5	0	36	334	0	2	0	0	0	2
200	132	0	136	0	222	0	223	0	0	2	0	2	24	0	60	347	21	0	59	334	358	0	21	319	4	0	32	326	0	2	0	0	0	2
300	115	0	113	0	160	0	166	0	0	2	0	2	39	0	70	358	38	0	83	359	23	0	53	356	32	0	64	9	0	2	0	0	0	2
400	59	0	68	0	88	0	108	0	0	2	0	2	68	0	110	42	67	0	106	33	47	0	78	24	54	0	86	26	0	2	0	0	0	2
500	47	0	51	0	72	0	85	0	0	2	0	2	76	0	112	50	76	0	125	37	56	0	76	35	65	0	90	39	0	2	0	0	0	2
600	69	0	69	0	95	0	105	0	0	2	0	2	89	0	128	65	89	0	140	58	65	0	90	42	74	0	103	58	0	2	0	0	0	2
700	51	0	46	0	90	0	95	0	0	2	0	2	102	0	123	86	103	0	132	78	77	0	97	67	86	0	97	71	0	2	0	0	0	2
800	54	0	49	0	84	0	88	0	0	2	0	2	109	0	139	66	111	0	143	76	85	0	107	66	95	0	119	78	0	2	0	0	0	2
900	61	0	69	0	72	0	78	0	0	2	0	2	120	0	143	91	122	0	147	91	101	0	117	81	111	0	126	92	0	2	0	0	0	2
1000	42	0	55	0	54	0	65	0	0	2	0	2	126	0	165	101	128	0	176	91	111	0	129	86	120	0	148	92	0	2	0	0	0	2
1100	31	0	42	0	48	0	55	0	0	2	0	2	157	0	246	95	161	0	263	94	156	0	202	96	163	0	217	97	0	2	0	0	0	2
1200	45	0	49	0	52	0	55	0	0	2	0	2	256	0	332	202	253	0	310	215	239	0	264	174	246	0	275	187	0	2	0	0	0	2
1300	39	0	44	0	40	0	44	0	0	2	0	2	254	0	299	212	253	0	304	219	247	0	290	217	249	0	282	220	0	2	0	0	0	2
1400	26	0	34	0	38	0	44	0	0	2	0	2	263	0	359	217	261	0	319	218	261	0	319	233	265	0	327	224	0	2	0	0	0	2
1500	27	0	36	0	43	0	52	0	0	2	0	2	318	3	356	202	313	0	353	225	325	0	23	290	327	0	40	293	0	2	0	0	0	2
1600	22	0	31	0	33	0	40	0	0	2	0	2	322	3	359	217	317	0	359	258	321	0	4	274	322	0	24	288	0	2	0	0	0	2
1700	32	0	45	0	37	0	47	0	0	2	0	2	72	0	102	37	72	0	101	34	48	0	74	11	56	0	89	359	0	2	0	0	0	2
1800	44	0	54	0	55	0	62	0	0	2	0	2	44	0	82	0	43	0	75	5	25	0	52	357	34	0	79	3	0	2	0	0	0	2
1900	48	0	58	0	54	0	64	0	0	2	0	2	52	0	81	19	49	0	76	9	38	0	68	15	46	0	80	21	0	2	0	0	0	2
2000	68	0	63	0	85	0	102	0	0	2	0	2	64	0	91	33	63	0	98	37	48	0	78	34	57	0	83	41	0	2	0	0	0	2
2100	52	0	58	0	66	0	73	0	0	2	0	2	86	0	127	34	84	0	122	28	66	0	91	34	76	0	98	46	0	2	0	0	0	2
2200	49	0	54	0	60	0	68	0	0	2	0	2	88	0	125	45	87	0	117	51	61	0	90	35	72	0	96	48	0	2	0	0	0	2
2300	65	0	72	0	81	0	90	0	0	2	0	2	82	0	123	48	83	0	113	60	62	0	88	39	70	0	95	47	0	2	0	0	0	2
2400	81	0	87	0	103	0	107	0	0	2	0	2	89	0	132	56	89	0	129	60	69	0	95	50	79	0	109	63	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	276	0	276	0	267	0	267	0	320	2	320	2	-7	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	108	0
200	261	0	260	0	258	0	258	0	320	2	320	2	2	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
300	234	0	234	0	231	0	229	0	320	2	320	2	-4	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
400	209	0	209	0	206	0	204	0	320	2	320	2	-4	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
500	193	0	193	0	189	0	188	0	320	2	320	2	-4	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	108	6
600	182	0	180	0	177	0	175	0	320	2	320	2	-4	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	108	0
700	162	0	161	0	164	0	161	0	320	2	320	2	2	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
800	168	0	168	0	162	0	161	0	320	2	320	2	-4	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	108	6
900	188	0	188	0	182	0	179	0	320	2	320	2	-7	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	108	0
1000	209	0	209	0	200	0	197	0	320	2	320	2	-11	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1100	243	0	247	0	224	0	218	0	320	2	320	2	-27	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	113	0
1200	265	0	265	0	245	0	242	0	320	2	320	2	-22	0	-36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1300	267	0	267	0	249	0	247	0	320	2	320	2	-18	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1400	263	0	263	0	245	0	242	0	320	2	320	2	-22	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1500	260	0	260	0	245	0	243	0	320	2	320	2	-14	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1600	258	0	258	0	247	0	245	0	320	2	320	2	-11	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1700	258	0	258	0	247	0	247	0	320	2	320	2	-9	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1800	252	0	252	0	243	0	243	0	320	2	320	2	-7	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1900	249	0	249	0	242	0	242	0	320	2	320	2	-7	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2000	238	0	238	0	229	0	229	0	320	2	320	2	-9	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2100	229	0	229	0	220	0	220	0	320	2	320	2	-7	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2200	222	0	222	0	213	0	213	0	320	2	320	2	-7	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2300	216	0	218	0	209	0	209	0	320	2	320	2	-7	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2400	215	0	215	0	206	0	206	0	320	2	320	2	-7	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	92	0	99	0	113	0	120	0	0	2	0	2	83	0	107	36	85	0	113	63	63	0	85	42	73	0	89	57	0	2	0	0	0	2
200	78	0	84	0	100	0	103	0	0	2	0	2	91	0	134	66	92	0	128	70	71	0	95	50	79	0	105	63	0	2	0	0	0	2
300	70	0	78	0	97	0	103	0	0	2	0	2	84	0	114	55	84	0	107	61	62	0	79	46	72	0	90	55	0	2	0	0	0	2
400	81	0	86	0	113	0	116	0	0	2	0	2	87	0	102	64	89	0	116	64	65	0	82	44	76	0	94	61	0	2	0	0	0	2
500	85	0	89	0	123	0	125	0	0	2	0	2	90	0	114	65	90	0	108	66	69	0	87	58	79	0	91	59	0	2	0	0	0	2
600	93	0	94	0	135	0	137	0	0	2	0	2	93	0	117	73	91	0	108	71	73	0	79	68	84	0	90	75	0	2	0	0	0	2
700	80	0	80	0	120	0	123	0	0	2	0	2	96	0	117	68	93	0	118	71	84	0	87	78	94	0	97	90	0	2	0	0	0	2
800	86	0	89	0	107	0	106	0	0	2	0	2	99	0	133	73	100	0	135	66	80	0	98	58	91	0	104	69	0	2	0	0	0	2
900	145	0	140	0	163	0	164	0	0	2	0	2	112	0	147	72	113	0	145	78	90	0	115	65	101	0	119	73	0	2	0	0	0	2
1000	117	0	117	0	135	0	136	0	0	2	0	2	112	0	151	74	109	0	150	55	92	0	125	41	103	0	132	67	0	2	0	0	0	2
1100	98	0	101	0	107	0	111	0	0	2	0	2	113	0	148	76	111	0	150	68	95	0	144	48	104	0	149	65	0	2	0	0	0	2
1200	85	0	90	0	104	0	108	0	0	2	0	2	110	0	153	72	107	0	151	49	95	0	124	55	106	0	148	67	0	2	0	0	0	2
1300	72	0	77	0	87	0	92	0	0	2	0	2	119	0	160	75	120	0	168	70	110	0	149	65	116	0	154	72	0	2	0	0	0	2
1400	50	0	54	0	64	0	63	0	0	2	0	2	94	0	165	21	93	0	151	6	88	0	143	9	104	0	155	25	0	2	0	0	0	2
1500	74	0	80	0	83	0	84	0	0	2	0	2	95	0	139	38	94	0	141	50	84	0	115	44	95	0	126	59	0	2	0	0	0	2
1600	73	0	78	0	87	0	92	0	0	2	0	2	114	0	163	55	110	0	147	51	95	0	125	50	103	0	143	36	0	2	0	0	0	2
1700	73	0	75	0	89	0	92	0	0	2	0	2	107	0	152	51	104	0	144	48	99	0	131	52	102	0	132	41	0	2	0	0	0	2
1800	52	0	56	0	64	0	68	0	0	2	0	2	110	0	144	64	106	0	152	60	96	0	134	69	100	0	137	60	0	2	0	0	0	2
1900	68	0	66	0	102	0	99	0	0	2	0	2	107	0	132	66	103	0	134	73	93	0	103	71	99	0	111	84	0	2	0	0	0	2
2000	41	0	45	0	63	0	63	0	0	2	0	2	80	0	99	58	76	0	103	56	82	0	108	61	88	0	112	67	0	2	0	0	0	2
2100	58	0	58	0	93	0	93	0	0	2	0	2	96	0	114	71	93	0	115	66	105	0	115	96	113	0	123	103	0	2	0	0	0	2
2200	77	0	86	0	124	0	129	0	0	2	0	2	135	0	160	118	134	0	157	113	127	0	142	116	134	0	146	119	0	2	0	0	0	2
2300	83	0	95	0	125	0	132	0	0	2	0	2	135	0	170	102	137	0	163	101	130	0	143	111	138	0	156	119	0	2	0	0	0	2
2400	91	0	102	0	135	0	141	0	0	2	0	2	135	0	163	113	135	0	162	114	128	0	142	108	136	0	148	120	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	215	0	215	0	207	0	206	0	320	2	320	2	-7	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
200	206	0	206	0	198	0	198	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
300	182	0	182	0	179	0	179	0	320	2	320	2	-4	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
400	168	0	168	0	166	0	164	0	320	2	320	2	2	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
500	157	0	157	0	155	0	155	0	320	2	320	2	0	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
600	148	0	148	0	152	0	150	0	320	2	320	2	4	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
700	143	0	141	0	153	0	150	0	320	2	320	2	13	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
800	166	0	166	0	168	0	159	0	320	2	320	2	-5	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	6
900	198	0	198	0	195	0	189	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1000	224	0	224	0	222	0	215	0	320	2	320	2	-7	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1100	249	0	251	0	252	0	242	0	320	2	320	2	-7	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	6
1200	267	0	267	0	265	0	256	0	320	2	320	2	-9	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1300	288	0	290	0	279	0	274	0	320	2	320	2	-13	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1400	308	0	312	0	297	0	296	0	320	2	320	2	-14	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1500	314	0	315	0	320	0	305	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1600	325	0	327	0	331	0	314	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1700	331	0	331	0	329	0	317	0	320	2	320	2	-13	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1800	334	0	334	0	329	0	325	0	320	2	320	2	-7	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1900	310	0	310	0	310	0	308	0	320	2	320	2	-2	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2000	278	0	278	0	285	0	283	0	320	2	320	2	7	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2100	270	0	269	0	292	0	290	0	320	2	320	2	22	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2200	288	0	288	0	290	0	290	0	320	2	320	2	4	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2300	287	0	288	0	285	0	285	0	320	2	320	2	-2	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2400	283	0	281	0	279	0	278	0	320	2	320	2	-4	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	122	0	135	0	166	0	178	0	0	2	0	2	135	0	165	114	135	0	157	109	125	0	143	109	134	0	149	119	0	2	0	0	0	2
200	118	0	137	0	176	0	183	0	0	2	0	2	135	0	154	114	136	0	161	117	127	0	145	110	136	0	154	116	0	2	0	0	0	2
300	113	0	126	0	151	0	163	0	0	2	0	2	132	0	165	105	131	0	158	106	125	0	145	104	133	0	155	115	0	2	0	0	0	2
400	129	0	138	0	167	0	181	0	0	2	0	2	131	0	156	106	130	0	161	96	121	0	138	104	129	0	143	113	0	2	0	0	0	2
500	108	0	119	0	154	0	163	0	0	2	0	2	135	0	165	96	135	0	174	112	126	0	141	112	132	0	154	115	0	2	0	0	0	2
600	106	0	121	0	159	0	168	0	0	2	0	2	136	0	161	107	136	0	156	114	131	0	149	104	138	0	154	112	0	2	0	0	0	2
700	144	0	149	0	180	0	192	0	0	2	0	2	129	0	153	106	129	0	148	101	120	0	135	102	128	0	147	109	0	2	0	0	0	2
800	178	0	187	0	218	0	222	0	0	2	0	2	131	0	155	104	130	0	152	103	122	0	152	100	132	0	230	113	0	2	0	0	0	2
900	185	0	207	0	260	0	269	0	0	2	0	2	135	0	157	119	134	0	164	93	126	0	146	107	136	0	231	119	0	2	0	0	0	2
1000	113	0	138	0	174	0	181	0	0	2	0	2	140	0	195	98	140	0	174	95	133	0	160	106	143	0	229	113	0	2	0	0	0	2
1100	152	0	187	0	231	0	233	0	0	2	0	2	137	0	174	105	138	0	179	119	127	0	148	106	142	0	234	124	0	2	0	0	0	2
1200	148	0	175	0	241	0	245	0	0	2	0	2	146	0	181	106	145	0	183	109	137	0	166	111	149	0	236	119	0	2	0	0	0	2
1300	142	0	164	0	222	0	226	0	0	2	0	2	142	0	181	101	143	0	185	107	135	0	164	111	145	0	237	118	0	2	0	0	0	2
1400	151	0	175	0	243	0	250	0	0	2	0	2	149	0	180	117	151	0	214	106	140	0	185	114	152	0	227	122	0	2	0	0	0	2
1500	159	0	177	0	258	0	267	0	0	2	0	2	149	0	186	113	148	0	206	117	140	0	164	114	151	0	217	129	0	2	0	0	0	2
1600	144	0	171	0	228	0	237	0	0	2	0	2	139	0	177	106	137	0	175	92	131	0	154	106	142	0	225	114	0	2	0	0	0	2
1700	145	0	163	0	220	0	230	0	0	2	0	2	139	0	171	113	138	0	179	113	133	0	149	114	142	0	157	126	0	2	0	0	0	2
1800	174	0	196	0	261	0	273	0	0	2	0	2	138	0	169	108	137	0	160	112	132	0	143	107	140	0	154	121	0	2	0	0	0	2
1900	156	0	170	0	235	0	244	0	0	2	0	2	138	0	170	114	138	0	163	117	132	0	149	120	140	0	153	119	0	2	0	0	0	2
2000	157	0	174	0	255	0	261	0	0	2	0	2	139	0	158	120	140	0	174	112	132	0	149	116	143	0	228	127	0	2	0	0	0	2
2100	142	0	163	0	245	0	249	0	0	2	0	2	143	0	181	118	142	0	172	112	140	0	158	121	147	0	159	137	0	2	0	0	0	2
2200	129	0	141	0	232	0	238	0	0	2	0	2	144	0	177	108	143	0	175	123	141	0	163	125	148	0	170	130	0	2	0	0	0	2
2300	142	0	156	0	243	0	253	0	0	2	0	2	149	0	177	89	146	0	171	112	146	0	164	110	154	0	175	133	0	2	0	0	0	2
2400	118	0	129	0	218	0	226	0	0	2	0	2	149	0	190	114	148	0	176	118	154	0	170	135	160	0	182	139	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	274	0	274	0	269	0	267	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	6
200	265	0	265	0	260	0	260	0	320	2	320	2	-5	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
300	256	0	256	0	251	0	251	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
400	258	0	258	0	251	0	251	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
500	252	0	252	0	247	0	247	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
600	251	0	252	0	245	0	245	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	6
700	245	0	245	0	238	0	238	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
800	260	0	261	0	256	0	251	0	320	2	320	2	-9	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
900	285	0	285	0	279	0	274	0	320	2	320	2	-9	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1000	310	0	312	0	305	0	301	0	320	2	320	2	-9	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1100	334	0	340	0	331	0	327	0	320	2	320	2	-9	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1200	385	0	390	0	374	0	374	0	320	2	320	2	-13	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1300	415	0	419	0	408	0	405	0	320	2	320	2	-13	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1400	446	0	451	0	437	0	433	0	320	2	320	2	-14	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	6
1500	471	0	473	0	464	0	459	0	320	2	320	2	-11	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1600	495	0	495	0	491	0	486	0	320	2	320	2	-7	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1700	511	0	511	0	511	0	502	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1800	507	0	505	0	504	0	500	0	320	2	320	2	-5	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1900	489	0	489	0	487	0	486	0	320	2	320	2	2	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2000	482	0	484	0	482	0	480	0	320	2	320	2	0	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2100	487	0	487	0	489	0	487	0	320	2	320	2	0	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2200	491	0	491	0	495	0	493	0	320	2	320	2	4	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2300	498	0	498	0	502	0	500	0	320	2	320	2	4	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2400	502	0	500	0	511	0	509	0	320	2	320	2	9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	108	0	115	0	212	0	220	0	0	2	0	2	166	0	219	122	164	0	225	120	165	0	188	147	171	0	194	153	0	2	0	0	0	2
200	110	0	109	0	211	0	197	0	0	2	0	2	188	0	267	104	181	0	231	110	178	0	199	160	183	0	199	160	0	2	0	0	0	2
300	125	0	114	0	216	0	193	0	0	2	0	2	214	0	260	136	209	0	260	156	199	0	221	169	203	0	224	177	0	2	0	0	0	2
400	109	0	100	0	198	0	178	0	0	2	0	2	211	0	266	124	212	0	265	157	203	0	227	175	206	0	230	181	0	2	0	0	0	2
500	94	0	88	0	178	0	163	0	0	2	0	2	215	0	258	161	209	0	260	91	200	0	237	172	205	0	227	182	0	2	0	0	0	2
600	124	0	111	0	196	0	176	0	0	2	0	2	225	0	294	182	218	0	264	134	207	0	239	167	211	0	237	180	0	2	0	0	0	2
700	155	0	138	0	230	0	211	0	0	2	0	2	230	0	271	187	226	0	265	144	211	0	234	187	215	0	247	191	0	2	0	0	0	2
800	152	0	133	0	216	0	198	0	0	2	0	2	233	0	276	197	231	0	285	195	217	0	241	192	219	0	248	200	0	2	0	0	0	2
900	168	0	150	0	254	0	232	0	0	2	0	2	237	0	279	187	233	0	268	200	223	0	247	188	226	0	241	199	0	2	0	0	0	2
1000	185	0	154	0	292	0	258	0	0	2	0	2	242	0	281	200	237	0	268	193	227	0	250	195	231	0	251	205	0	2	0	0	0	2
1100	204	0	169	0	329	0	321	0	0	2	0	2	247	0	281	217	242	0	271	209	240	0	256	227	242	0	250	226	0	2	0	0	0	2
1200	160	0	143	0	269	0	224	0	0	2	0	2	253	0	285	213	248	0	281	204	248	0	262	233	250	0	276	232	0	2	0	0	0	2
1300	150	0	138	0	245	0	240	0	0	2	0	2	259	0	291	225	252	0	282	224	251	0	263	236	252	0	270	231	0	2	0	0	0	2
1400	125	0	135	0	216	0	234	0	0	2	0	2	279	0	316	248	274	0	315	226	277	0	299	242	278	0	309	252	0	2	0	0	0	2
1500	111	0	123	0	178	0	199	0	0	2	0	2	296	0	326	263	290	0	321	254	287	0	307	270	289	0	310	267	0	2	0	0	0	2
1600	76	0	83	0	137	0	149	0	0	2	0	2	293	0	323	247	287	0	310	251	285	0	304	257	286	0	305	260	0	2	0	0	0	2
1700	54	0	64	0	87	0	98	0	0	2	0	2	301	0	331	274	294	0	322	263	290	0	318	260	290	0	315	261	0	2	0	0	0	2
1800	42	0	49	0	74	0	84	0	0	2	0	2	291	0	333	264	283	0	325	238	278	0	305	245	278	0	307	245	0	2	0	0	0	2
1900	25	0	32	0	58	0	65	0	0	2	0	2	275	0	306	247	269	0	300	235	295	0	312	261	296	0	307	264	0	2	0	0	0	2
2000	19	0	26	0	50	0	57	0	0	2	0	2	291	0	334	251	281	0	316	246	300	0	313	273	300	0	309	280	0	2	0	0	0	2
2100	19	0	27	0	34	0	39	0	0	2	0	2	301	3	356	251	300	3	359	249	331	0	13	278	331	0	13	284	0	2	0	0	0	2
2200	52	0	63	0	98	0	120	0	0	2	0	2	59	0	90	40	55	0	80	38	42	0	48	38	50	0	57	45	0	2	0	0	0	2
2300	86	0	87	0	145	0	146	0	0	2	0	2	89	0	116	65	87	0	106	68	67	0	75	61	76	0	88	67	0	2	0	0	0	2
2400	65	0	67	0	111	0	110	0	0	2	0	2	120	0	138	88	120	0	137	79	90	0	99	76	98	0	107	85	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	311	0	309	0	323	0	322	0	320	2	320	2	14	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
200	336	0	336	0	345	0	343	0	320	2	320	2	9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
300	354	0	352	0	363	0	361	0	320	2	320	2	9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
400	358	0	358	0	363	0	359	0	320	2	320	2	4	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
500	363	0	363	0	368	0	367	0	320	2	320	2	5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
600	379	0	377	0	388	0	386	0	320	2	320	2	11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
700	388	0	388	0	388	0	386	0	320	2	320	2	0	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
800	377	0	381	0	379	0	376	0	320	2	320	2	2	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
900	381	0	381	0	381	0	377	0	320	2	320	2	-4	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	6
1000	359	0	359	0	376	0	376	0	320	2	320	2	16	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1100	340	0	345	0	390	0	385	0	320	2	320	2	43	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	6
1200	345	0	347	0	383	0	376	0	320	2	320	2	31	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1300	363	0	365	0	374	0	370	0	320	2	320	2	7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1400	514	0	514	0	534	0	529	0	320	2	320	2	16	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1500	493	0	498	0	516	0	511	0	320	2	320	2	20	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1600	493	0	493	0	522	0	520	0	320	2	320	2	27	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1700	505	0	509	0	507	0	500	0	320	2	320	2	-4	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1800	495	0	495	0	507	0	504	0	320	2	320	2	11	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
1900	480	0	480	0	507	0	504	0	320	2	320	2	25	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2000	477	0	475	0	505	0	504	0	320	2	320	2	31	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2100	473	0	473	0	500	0	498	0	320	2	320	2	27	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2200	437	0	437	0	464	0	460	0	320	2	320	2	22	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2300	457	0	455	0	486	0	482	0	320	2	320	2	29	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
2400	444	0	446	0	478	0	475	0	320	2	320	2	31	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	58	0	64	0	100	0	109	0	0	2	0	2	138	0	148	127	137	0	146	122	126	0	129	122	133	0	137	131	0	2	0	0	0	2
200	48	0	51	0	63	0	65	0	0	2	0	2	89	0	115	79	86	0	109	74	108	0	116	94	115	0	123	102	0	2	0	0	0	2
300	70	0	70	0	109	0	109	0	0	2	0	2	88	0	106	72	84	0	113	69	77	0	88	64	84	0	95	72	0	2	0	0	0	2
400	42	0	44	0	52	0	55	0	0	2	0	2	120	0	131	109	118	0	129	105	141	0	156	126	148	0	172	133	0	2	0	0	0	2
500	52	0	54	0	62	0	64	0	0	2	0	2	109	0	136	86	107	0	135	82	109	0	136	95	116	0	144	103	0	2	0	0	0	2
600	45	0	51	0	89	0	96	0	0	2	0	2	144	0	176	120	144	0	166	122	156	0	165	149	161	0	170	154	0	2	0	0	0	2
700	31	0	35	0	88	0	94	0	0	2	0	2	153	0	197	119	151	0	187	119	170	0	179	163	176	0	185	167	0	2	0	0	0	2
800	50	0	55	0	113	0	120	0	0	2	0	2	152	0	186	112	149	0	192	118	154	0	163	143	160	0	166	152	0	2	0	0	0	2
900	85	0	95	0	158	0	170	0	0	2	0	2	151	0	188	123	149	0	176	117	147	0	162	130	154	0	169	136	0	2	0	0	0	2
1000	83	0	94	0	156	0	157	0	0	2	0	2	154	0	194	116	153	0	189	123	154	0	170	125	162	0	209	138	0	2	0	0	0	2
1100	99	0	101	0	177	0	188	0	0	2	0	2	170	0	219	96	170	0	231	103	162	0	185	124	168	0	185	130	0	2	0	0	0	2
1200	36	0	40	0	69	0	67	0	0	2	0	2	233	0	283	184	225	0	267	168	196	0	227	170	200	0	225	175	0	2	0	0	0	2
1300	42	0	48	0	80	0	76	0	0	2	0	2	197	0	255	136	193	0	267	103	185	0	238	137	189	0	242	140	0	2	0	0	0	2
1400	70	0	77	0	138	0	137	0	0	2	0	2	184	0	254	119	180	0	264	101	172	0	204	114	180	0	225	138	0	2	0	0	0	2
1500	74	0	83	0	132	0	139	0	0	2	0	2	163	0	243	100	162	0	223	105	159	0	193	122	167	0	221	130	0	2	0	0	0	2
1600	74	0	86	0	132	0	138	0	0	2	0	2	154	0	218	119	156	0	258	98	150	0	172	103	156	0	187	125	0	2	0	0	0	2
1700	77	0	86	0	137	0	147	0	0	2	0	2	160	0	197	116	161	0	249	117	157	0	178	128	163	0	196	140	0	2	0	0	0	2
1800	78	0	84	0	146	0	157	0	0	2	0	2	157	0	194	105	154	0	215	104	154	0	180	126	162	0	189	140	0	2	0	0	0	2
1900	92	0	96	0	169	0	179	0	0	2	0	2	163	0	266	108	159	0	212	117	159	0	196	130	165	0	194	140	0	2	0	0	0	2
2000	94	0	96	0	175	0	180	0	0	2	0	2	174	0	226	113	173	0	243	115	171	0	189	148	176	0	197	146	0	2	0	0	0	2
2100	80	0	81	0	152	0	153	0	0	2	0	2	179	0	236	126	174	0	226	110	173	0	209	152	179	0	210	150	0	2	0	0	0	2
2200	102	0	108	0	192	0	199	0	0	2	0	2	170	0	254	102	170	0	225	115	165	0	185	133	171	0	196	146	0	2	0	0	0	2
2300	124	0	130	0	218	0	227	0	0	2	0	2	171	0	229	97	167	0	220	116	166	0	205	140	173	0	208	142	0	2	0	0	0	2
2400	131	0	135	0	239	0	248	0	0	2	0	2	174	0	267	124	170	0	243	112	166	0	195	131	174	0	200	148	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	441	0	442	0	471	0	469	0	320	2	320	2	27	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
200	442	0	444	0	477	0	473	0	320	2	320	2	31	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
300	446	0	446	0	471	0	468	0	320	2	320	2	22	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
400	450	0	450	0	484	0	482	0	320	2	320	2	34	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
500	444	0	444	0	473	0	471	0	320	2	320	2	27	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	115	0
600	441	0	441	0	453	0	455	0	320	2	320	2	14	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
700	446	0	446	0	451	0	451	0	320	2	320	2	5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	136	0
800	453	0	453	0	462	0	462	0	320	2	320	2	9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	143	0
900	475	0	475	0	477	0	477	0	320	2	320	2	2	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	146	0
1000	507	0	507	0	504	0	504	0	320	2	320	2	0	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	147	0
1100	563	0	563	0	552	0	547	0	320	2	320	2	-14	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	147	0
1200	567	0	567	0	565	0	558	0	320	2	320	2	-7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	147	0
1300	610	0	615	0	594	0	588	0	320	2	320	2	-20	0	-36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	146	6
1400	597	0	601	0	583	0	581	0	320	2	320	2	-16	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	145	6
1500	633	0	635	0	618	0	615	0	320	2	320	2	-18	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	145	0
1600	649	0	649	0	644	0	635	0	320	2	320	2	-13	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	145	0
1700	658	0	657	0	651	0	648	0	320	2	320	2	-7	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	145	0
1800	658	0	657	0	658	0	657	0	320	2	320	2	0	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	145	0
1900	658	0	657	0	658	0	657	0	320	2	320	2	0	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	145	0
2000	651	0	649	0	653	0	649	0	320	2	320	2	2	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	145	0
2100	639	0	637	0	642	0	640	0	320	2	320	2	5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	146	0
2200	640	0	640	0	640	0	640	0	320	2	320	2	0	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	145	6
2300	639	0	637	0	637	0	637	0	320	2	320	2	0	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	637	0	637	0	635	0	635	0	320	2	320	2	0	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 50 A	S	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	135	0	138	0	230	0	234	0	0	2	0	2	177	0	245	128	172	0	218	110	170	0	206	136	176	0	216	147	0	2	0	0	0	2
200	135	0	131	0	234	0	241	0	0	2	0	2	175	0	226	120	172	0	230	126	169	0	220	138	174	0	215	146	0	2	0	0	0	2
300	143	0	129	0	224	0	201	0	0	2	0	2	211	0	261	131	210	0	261	108	201	0	222	169	205	0	232	175	0	2	0	0	0	2
400	132	0	117	0	206	0	187	0	0	2	0	2	232	0	281	185	228	0	289	180	213	0	239	187	214	0	241	190	0	2	0	0	0	2
500	161	0	147	0	255	0	229	0	0	2	0	2	258	0	291	231	253	0	287	201	249	0	257	240	251	0	261	241	0	2	0	0	0	2
600	147	0	138	0	256	0	217	0	0	2	0	2	263	0	294	230	254	0	280	214	253	0	260	247	254	0	260	246	0	2	0	0	0	2
700	132	0	121	0	219	0	189	0	0	2	0	2	254	0	282	226	248	0	275	215	247	0	256	238	250	0	254	239	0	2	0	0	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1500	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	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
2000	157	0	138	0	244	0	220	0	0	2	0	2	230	0	276	188	220	0	252	144	210	0	234	178	212	0	235	179	0	2	0	0	0	2
2100	89	0	81	0	142	0	134	0	0	2	0	2	229	0	262	170	224	0	264	167	213	0	236	187	216	0	238	177	0	2	0	0	0	2
2200	102	0	90	0	163	0	150	0	0	2	0	2	229	0	268	159	224	0	253	158	210	0	239	184	214	0	241	195	0	2	0	0	0	2
2300	144	0	125	0	202	0	184	0	0	2	0	2	239	0	298	192	234	0	282	186	221	0	242	200	222	0	248	197	0	2	0	0	0	2
2400	92	0	84	0	143	0	133	0	0	2	0	2	222	0	252	148	219	0	258	164	208	0	233	188	211	0	232	192	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	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	633	0	631	0	320	2	320	2	2	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	145	0
200	633	0	633	0	631	0	630	0	320	2	320	2	-2	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	145	0
300	574	0	574	0	563	0	576	0	320	2	320	2	2	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	154	0
400	556	0	556	0	545	0	552	0	320	2	320	2	-2	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	163	0
500	424	0	424	0	426	0	428	0	320	2	320	2	4	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	163	0
600	405	0	406	0	426	0	424	0	320	2	320	2	20	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	164	0
700	397	0	397	0	424	0	423	0	320	2	320	2	27	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	165	0
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	487	0	487	0	505	0	502	0	320	2	320	2	16	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2100	500	0	500	0	502	0	500	0	320	2	320	2	2	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2200	495	0	493	0	496	0	495	0	320	2	320	2	2	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2300	498	0	496	0	495	0	495	0	320	2	320	2	-2	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
2400	477	0	475	0	480	0	478	0	320	2	320	2	5	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	64	0	65	0	140	0	130	0	0	2	0	2	194	0	267	138	188	0	262	128	187	0	205	166	192	0	210	169	0	2	0	0	0	2
200	59	0	59	0	122	0	114	0	0	2	0	2	196	0	256	119	193	0	250	116	189	0	204	172	192	0	207	176	0	2	0	0	0	2
300	140	0	134	0	189	0	187	0	0	2	0	2	248	0	299	183	242	0	298	182	217	0	267	162	220	0	267	167	0	2	0	0	0	2
400	39	0	41	0	80	0	83	0	0	2	0	2	173	0	225	138	170	0	219	137	168	0	187	153	173	0	191	162	0	2	0	0	0	2
500	45	0	46	0	89	0	85	0	0	2	0	2	201	0	251	153	199	0	244	139	188	0	225	161	192	0	231	163	0	2	0	0	0	2
600	62	0	62	0	132	0	122	0	0	2	0	2	194	0	262	150	190	0	251	102	188	0	202	166	192	0	206	174	0	2	0	0	0	2
700	119	0	103	0	173	0	161	0	0	2	0	2	234	0	268	178	230	0	274	190	220	0	248	195	222	0	248	189	0	2	0	0	0	2
800	190	0	158	0	276	0	263	0	0	2	0	2	252	0	278	222	245	0	270	221	240	0	248	223	243	0	253	232	0	2	0	0	0	2
900	174	0	158	0	260	0	254	0	0	2	0	2	256	0	295	215	250	0	280	222	246	0	256	235	248	0	257	239	0	2	0	0	0	2
1000	197	0	201	0	272	0	286	0	0	2	0	2	273	0	299	250	265	0	285	247	261	0	278	254	262	0	274	254	0	2	0	0	0	2
1100	163	0	159	0	191	0	205	0	0	2	0	2	283	0	340	241	275	0	323	229	276	0	311	241	278	0	314	241	0	2	0	0	0	2
1200	124	0	129	0	155	0	169	0	0	2	0	2	301	0	326	279	292	0	315	260	292	0	303	269	293	0	301	280	0	2	0	0	0	2
1300	107	0	108	0	134	0	147	0	0	2	0	2	284	0	327	228	279	0	317	239	278	0	315	242	279	0	310	242	0	2	0	0	0	2
1400	188	0	178	0	232	0	248	0	0	2	0	2	304	0	328	276	297	0	323	277	297	0	303	285	296	0	303	287	0	2	0	0	0	2
1500	190	0	189	0	220	0	242	0	0	2	0	2	291	0	329	239	285	0	323	245	281	0	316	242	283	0	308	245	0	2	0	0	0	2
1600	225	0	234	0	282	0	300	0	0	2	0	2	300	0	324	261	291	0	320	259	289	0	310	246	288	0	305	257	0	2	0	0	0	2
1700	223	0	217	0	281	0	303	0	0	2	0	2	303	0	336	283	295	0	320	266	296	0	304	281	295	0	302	285	0	2	0	0	0	2
1800	216	0	212	0	257	0	278	0	0	2	0	2	303	0	334	278	292	0	315	264	291	0	311	243	290	0	305	260	0	2	0	0	0	2
1900	203	0	187	0	240	0	260	0	0	2	0	2	302	0	333	271	293	0	328	255	294	0	315	269	294	0	312	269	0	2	0	0	0	2
2000	179	0	180	0	211	0	235	0	0	2	0	2	297	0	333	250	288	0	320	250	287	0	310	250	289	0	311	261	0	2	0	0	0	2
2100	210	0	213	0	260	0	281	0	0	2	0	2	297	0	339	245	289	0	323	252	291	0	323	258	290	0	311	255	0	2	0	0	0	2
2200	204	0	204	0	255	0	275	0	0	2	0	2	305	0	341	269	297	0	335	262	294	0	304	253	294	0	302	271	0	2	0	0	0	2
2300	169	0	164	0	225	0	235	0	0	2	0	2	327	0	15	284	319	0	18	271	322	0	339	293	322	0	340	304	0	2	0	0	0	2
2400	195	0	193	0	240	0	241	0	0	2	0	2	320	0	353	262	312	0	334	292	313	0	324	298	312	0	323	295	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	455	0	455	0	460	0	459	0	320	2	320	2	5	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
200	439	0	439	0	450	0	450	0	320	2	320	2	11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
300	448	0	448	0	450	0	450	0	320	2	320	2	2	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
400	424	0	424	0	444	0	441	0	320	2	320	2	18	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
500	432	0	433	0	444	0	442	0	320	2	320	2	13	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
600	430	0	432	0	441	0	441	0	320	2	320	2	9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
700	464	0	462	0	464	0	462	0	320	2	320	2	0	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
800	441	0	441	0	451	0	451	0	320	2	320	2	9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
900	423	0	423	0	421	0	421	0	320	2	320	2	-2	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1000	410	0	412	0	403	0	401	0	320	2	320	2	-9	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1100	406	0	408	0	388	0	388	0	320	2	320	2	-18	0	-38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
1200	394	0	396	0	370	0	374	0	320	2	320	2	-22	0	-43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1300	379	0	379	0	365	0	365	0	320	2	320	2	-13	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1400	361	0	361	0	342	0	342	0	320	2	320	2	-18	0	-38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1500	351	0	351	0	340	0	340	0	320	2	320	2	-11	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1600	347	0	349	0	336	0	336	0	320	2	320	2	-11	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1700	343	0	343	0	329	0	329	0	320	2	320	2	-14	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1800	336	0	336	0	327	0	327	0	320	2	320	2	-9	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1900	334	0	336	0	325	0	325	0	320	2	320	2	-9	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
2000	336	0	336	0	329	0	329	0	320	2	320	2	-7	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2100	333	0	334	0	324	0	324	0	320	2	320	2	-9	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2200	329	0	331	0	320	0	320	0	320	2	320	2	-9	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
2300	324	0	324	0	312	0	312	0	320	2	320	2	-9	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2400	315	0	315	0	305	0	305	0	320	2	320	2	-9	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	180	0	184	0	228	0	231	0	0	2	0	2	318	0	346	278	311	0	349	274	314	0	326	304	312	0	323	303	0	2	0	0	0	2
200	180	0	177	0	222	0	224	0	0	2	0	2	316	0	339	273	308	0	332	273	311	0	327	292	309	0	319	298	0	2	0	0	0	2
300	191	0	180	0	239	0	248	0	0	2	0	2	309	0	344	275	300	0	322	268	304	0	326	283	303	0	323	295	0	2	0	0	0	2
400	154	0	148	0	204	0	205	0	0	2	0	2	313	0	351	282	305	0	331	260	309	0	325	287	308	0	325	288	0	2	0	0	0	2
500	169	0	167	0	212	0	218	0	0	2	0	2	314	0	354	285	305	0	336	277	305	0	326	288	305	0	325	283	0	2	0	0	0	2
600	163	0	158	0	197	0	200	0	0	2	0	2	315	0	355	285	307	0	332	280	308	0	340	296	307	0	321	295	0	2	0	0	0	2
700	138	0	139	0	182	0	191	0	0	2	0	2	323	0	357	283	313	0	340	268	319	0	344	286	318	0	334	303	0	2	0	0	0	2
800	139	0	138	0	170	0	173	0	0	2	0	2	318	0	350	280	309	0	344	272	309	0	320	298	307	0	317	290	0	2	0	0	0	2
900	125	0	128	0	155	0	160	0	0	2	0	2	307	0	334	273	301	0	328	265	303	0	324	287	302	0	315	288	0	2	0	0	0	2
1000	126	0	126	0	147	0	158	0	0	2	0	2	307	0	344	275	300	0	326	272	296	0	311	286	296	0	308	286	0	2	0	0	0	2
1100	114	0	118	0	132	0	143	0	0	2	0	2	291	0	330	248	285	0	323	245	280	0	320	246	283	0	325	239	0	2	0	0	0	2
1200	117	0	119	0	132	0	145	0	0	2	0	2	295	0	333	222	288	0	326	238	286	0	313	234	285	0	316	251	0	2	0	0	0	2
1300	96	0	90	0	112	0	118	0	0	2	0	2	306	0	332	273	297	0	328	268	297	0	314	270	297	0	307	277	0	2	0	0	0	2
1400	59	0	60	0	71	0	75	0	0	2	0	2	322	0	13	271	311	0	357	260	315	0	348	268	316	0	353	272	0	2	0	0	0	2
1500	42	0	43	0	53	0	56	0	0	2	0	2	344	0	121	271	346	0	127	272	337	0	13	271	338	0	51	283	0	2	0	0	0	2
1600	40	0	45	0	45	0	49	0	0	2	0	2	336	0	24	274	331	0	27	279	335	0	23	298	335	0	10	306	0	2	0	0	0	2
1700	34	0	35	0	30	0	34	0	0	2	0	2	54	0	105	16	47	0	108	2	31	3	77	340	33	0	76	317	0	2	0	0	0	2
1800	40	0	43	0	45	0	49	0	0	2	0	2	100	0	144	60	94	0	168	30	82	0	135	40	90	0	126	64	0	2	0	0	0	2
1900	70	0	69	0	99	0	99	0	0	2	0	2	104	0	137	77	101	0	127	70	92	0	100	77	99	0	105	88	0	2	0	0	0	2
2000	82	0	80	0	131	0	129	0	0	2	0	2	105	0	124	82	102	0	124	83	92	0	95	86	99	0	103	94	0	2	0	0	0	2
2100	112	0	105	0	183	0	179	0	0	2	0	2	114	0	138	97	111	0	129	95	96	0	101	88	104	0	111	100	0	2	0	0	0	2
2200	91	0	89	0	123	0	125	0	0	2	0	2	123	0	135	115	121	0	135	109	114	0	121	107	122	0	132	115	0	2	0	0	0	2
2300	86	0	84	0	126	0	127	0	0	2	0	2	123	0	143	96	122	0	140	98	116	0	130	105	124	0	134	116	0	2	0	0	0	2
2400	92	0	99	0	132	0	138	0	0	2	0	2	135	0	154	120	133	0	147	120	123	0	133	112	132	0	143	120	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	310	0	310	0	299	0	299	0	320	2	320	2	-11	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
200	306	0	306	0	296	0	296	0	320	2	320	2	-9	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
300	305	0	305	0	296	0	294	0	320	2	320	2	-9	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
400	305	0	305	0	296	0	296	0	320	2	320	2	-9	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
500	303	0	303	0	294	0	294	0	320	2	320	2	-9	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
600	305	0	305	0	296	0	296	0	320	2	320	2	-9	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
700	305	0	305	0	296	0	296	0	320	2	320	2	-9	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
800	305	0	306	0	296	0	297	0	320	2	320	2	-9	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
900	310	0	310	0	299	0	299	0	320	2	320	2	-9	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1000	315	0	315	0	303	0	303	0	320	2	320	2	-13	0	-36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1100	336	0	338	0	324	0	317	0	320	2	320	2	-20	0	-36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
1200	334	0	334	0	320	0	315	0	320	2	320	2	-18	0	-36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1300	354	0	354	0	314	0	325	0	320	2	320	2	-29	0	-56	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1400	356	0	356	0	322	0	334	0	320	2	320	2	-22	0	-54	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
1500	361	0	363	0	345	0	342	0	320	2	320	2	-23	0	-38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1600	372	0	374	0	351	0	356	0	320	2	320	2	-18	0	-41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1700	383	0	385	0	374	0	378	0	320	2	320	2	-7	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1800	403	0	405	0	394	0	390	0	320	2	320	2	-13	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1900	383	0	383	0	381	0	381	0	320	2	320	2	-4	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2000	372	0	372	0	381	0	383	0	320	2	320	2	11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2100	360	0	360	0	374	0	372	0	320	2	320	2	14	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
2200	354	0	354	0	365	0	365	0	320	2	320	2	9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2300	354	0	354	0	363	0	361	0	320	2	320	2	9	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2400	360	0	360	0	361	0	360	0	320	2	320	2	0	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	108	0	111	0	145	0	154	0	0	2	0	2	133	0	149	117	130	0	154	111	123	0	134	112	132	0	144	123	0	2	0	0	0	2
200	94	0	104	0	123	0	133	0	0	2	0	2	135	0	160	118	132	0	150	108	129	0	147	115	139	0	154	126	0	2	0	0	0	2
300	119	0	122	0	159	0	166	0	0	2	0	2	130	0	155	104	127	0	154	102	121	0	141	92	130	0	144	112	0	2	0	0	0	2
400	119	0	128	0	180	0	180	0	0	2	0	2	137	0	149	126	136	0	156	120	129	0	142	115	140	0	155	123	0	2	0	0	0	2
500	126	0	144	0	220	0	227	0	0	2	0	2	143	0	166	120	144	0	181	119	137	0	150	117	148	0	159	130	0	2	0	0	0	2
600	129	0	147	0	215	0	225	0	0	2	0	2	144	0	176	116	143	0	174	123	137	0	160	123	149	0	183	137	0	2	0	0	0	2
700	132	0	150	0	218	0	223	0	0	2	0	2	143	0	166	126	143	0	175	122	135	0	149	117	146	0	158	127	0	2	0	0	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
900	147	0	160	0	237	0	246	0	0	2	0	2	143	0	171	120	144	0	171	119	133	0	187	108	146	0	179	126	0	2	0	0	0	2
1000	122	0	138	0	217	0	223	0	0	2	0	2	142	0	173	112	143	0	172	118	145	0	165	122	151	0	228	135	0	2	0	0	0	2
1100	130	0	140	0	197	0	202	0	0	2	0	2	144	0	175	115	144	0	171	124	142	0	163	111	147	0	162	121	0	2	0	0	0	2
1200	104	0	120	0	182	0	190	0	0	2	0	2	142	0	174	121	141	0	158	119	142	0	156	131	147	0	159	137	0	2	0	0	0	2
1300	108	0	121	0	191	0	189	0	0	2	0	2	138	0	167	115	137	0	160	121	138	0	147	123	147	0	234	126	0	2	0	0	0	2
1400	132	0	144	0	188	0	196	0	0	2	0	2	137	0	167	112	136	0	158	113	134	0	152	120	141	0	253	125	0	2	0	0	0	2
1500	129	0	147	0	231	0	240	0	0	2	0	2	145	0	209	108	143	0	178	108	141	0	169	124	147	0	165	130	0	2	0	0	0	2
1600	130	0	147	0	239	0	235	0	0	2	0	2	146	0	178	113	145	0	183	118	143	0	159	123	151	0	231	130	0	2	0	0	0	2
1700	162	0	178	0	250	0	257	0	0	2	0	2	141	0	189	121	139	0	174	112	134	0	154	114	142	0	230	125	0	2	0	0	0	2
1800	144	0	166	0	254	0	259	0	0	2	0	2	144	0	176	118	143	0	178	113	140	0	157	120	148	0	166	124	0	2	0	0	0	2
1900	157	0	175	0	257	0	266	0	0	2	0	2	148	0	184	106	145	0	186	120	140	0	172	118	147	0	169	127	0	2	0	0	0	2
2000	164	0	178	0	298	0	304	0	0	2	0	2	146	0	189	109	144	0	173	108	141	0	156	120	149	0	164	133	0	2	0	0	0	2
2100	136	0	158	0	254	0	260	0	0	2	0	2	147	0	195	120	146	0	177	122	143	0	158	123	150	0	168	132	0	2	0	0	0	2
2200	121	0	131	0	216	0	224	0	0	2	0	2	153	0	206	110	151	0	228	123	149	0	172	127	157	0	178	136	0	2	0	0	0	2
2300	124	0	132	0	210	0	223	0	0	2	0	2	157	0	209	113	153	0	191	112	154	0	172	135	162	0	193	142	0	2	0	0	0	2
2400	124	0	129	0	219	0	231	0	0	2	0	2	164	0	202	131	164	0	209	133	162	0	181	133	168	0	187	151	0	2	0	0	0	2

HOUR	AMB. TEM1 30 A	S	AMB. TEMP 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D. T. 1 180A	S	D. T. 2 180B	S	D. T. 3	S	D. T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	356	0	356	0	356	0	356	0	320	2	320	2	0	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
200	360	0	360	0	356	0	356	0	320	2	320	2	-4	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
300	361	0	363	0	360	0	358	0	320	2	320	2	-4	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
400	356	0	356	0	358	0	358	0	320	2	320	2	2	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
500	369	0	369	0	369	0	369	0	320	2	320	2	0	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
600	387	0	388	0	385	0	385	0	320	2	320	2	-4	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
700	406	0	408	0	403	0	403	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
800	412	2	415	2	388	2	408	2	320	2	320	2	-4	2	-40	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
900	412	0	412	0	405	0	412	0	320	2	320	2	0	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1000	430	0	432	0	423	0	428	0	320	2	320	2	-2	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	104	0
1100	439	0	441	0	424	0	433	0	320	2	320	2	-5	0	-38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	104	0
1200	433	0	435	0	414	0	433	0	320	2	320	2	0	0	-43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	108	0
1300	428	0	430	0	414	0	426	0	320	2	320	2	-2	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	117	0
1400	439	0	441	0	424	0	430	0	320	2	320	2	-11	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	125	0
1500	451	0	451	0	437	0	442	0	320	2	320	2	-9	0	-38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	130	0
1600	462	0	462	0	442	0	453	0	320	2	320	2	-9	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1700	462	0	460	0	446	0	450	0	320	2	320	2	-9	0	-36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	144	0
1800	505	0	505	0	507	0	495	0	320	2	320	2	-11	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	144	0
1900	525	0	525	0	527	0	525	0	320	2	320	2	2	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	144	0
2000	547	0	547	0	549	0	549	0	320	2	320	2	4	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	144	0
2100	543	0	543	0	543	0	543	0	320	2	320	2	0	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	145	0
2200	541	0	541	0	545	0	543	0	320	2	320	2	4	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	145	0
2300	538	0	536	0	538	0	538	0	320	2	320	2	2	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	146	0
2400	550	0	549	0	550	0	550	0	320	2	320	2	2	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	146	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	125	0	125	0	245	0	245	0	0	2	0	2	173	0	230	115	174	0	267	110	172	0	206	126	178	0	205	154	0	2	0	0	0	2
200	100	0	94	0	200	0	174	0	0	2	0	2	208	0	260	152	204	0	263	149	192	0	213	147	196	0	220	141	0	2	0	0	0	2
300	119	0	109	0	206	0	182	0	0	2	0	2	214	0	265	137	209	0	259	131	201	0	232	172	203	0	233	174	0	2	0	0	0	2
400	133	0	118	0	199	0	186	0	0	2	0	2	227	0	266	133	224	0	281	183	206	0	228	176	211	0	237	182	0	2	0	0	0	2
500	101	0	91	0	154	0	139	0	0	2	0	2	221	0	261	177	219	0	263	146	206	0	238	172	208	0	247	173	0	2	0	0	0	2
600	70	0	73	0	148	0	134	0	0	2	0	2	199	0	251	114	190	0	241	117	191	0	217	159	195	0	218	174	0	2	0	0	0	2
700	68	0	72	0	143	0	151	0	0	2	0	2	169	0	217	135	165	0	217	116	168	0	189	148	174	0	190	154	0	2	0	0	0	2
800	85	0	94	0	194	0	184	0	0	2	0	2	189	0	260	105	184	0	255	112	181	0	197	160	186	0	204	163	0	2	0	0	0	2
900	85	0	79	0	134	0	123	0	0	2	0	2	222	0	267	165	218	0	263	163	206	0	232	170	210	0	233	182	0	2	0	0	0	2
1000	60	0	61	0	111	0	98	0	0	2	0	2	219	0	263	186	217	0	252	149	205	0	225	188	209	0	237	189	0	2	0	0	0	2
1100	60	0	55	0	101	0	99	0	0	2	0	2	236	0	272	192	232	0	274	196	224	0	234	209	226	0	238	207	0	2	0	0	0	2
1200	78	0	83	0	146	0	155	0	0	2	0	2	341	0	41	287	334	0	24	283	331	0	3	312	332	0	355	315	0	2	0	0	0	2
1300	37	0	45	0	62	0	67	0	0	2	0	2	5	0	97	285	359	0	68	298	352	0	31	299	354	0	67	313	0	2	0	0	0	2
1400	13	0	22	0	29	0	33	0	0	2	0	2	329	3	52	275	314	3	359	195	343	3	36	293	347	0	56	293	0	2	0	0	0	2
1500	61	0	70	0	67	0	76	0	0	2	0	2	296	0	322	265	288	0	316	257	292	0	305	272	292	0	304	262	0	2	0	0	0	2
1600	45	0	51	0	70	0	76	0	0	2	0	2	342	0	44	290	336	0	40	289	341	0	18	311	344	0	26	317	0	2	0	0	0	2
1700	74	0	80	0	100	0	105	0	0	2	0	2	341	0	6	314	333	0	8	299	336	0	353	309	337	0	353	318	0	2	0	0	0	2
1800	80	0	83	0	118	0	123	0	0	2	0	2	22	0	78	326	15	0	87	296	1	0	37	323	5	0	29	331	0	2	0	0	0	2
1900	92	0	92	0	136	0	135	0	0	2	0	2	33	0	63	344	28	0	64	332	11	0	41	336	16	0	45	352	0	2	0	0	0	2
2000	89	0	95	0	111	0	111	0	0	2	0	2	50	0	178	5	61	0	234	7	14	0	167	291	20	0	176	303	0	2	0	0	0	2
2100	115	0	115	0	143	0	146	0	0	2	0	2	42	0	76	9	37	0	75	345	17	0	55	354	24	0	52	354	0	2	0	0	0	2
2200	129	0	127	0	158	0	161	0	0	2	0	2	39	0	73	7	33	0	62	354	16	0	38	353	22	0	45	355	0	2	0	0	0	2
2300	135	0	125	0	209	0	217	0	0	2	0	2	359	0	51	313	351	0	72	300	346	0	33	319	348	0	21	324	0	2	0	0	0	2
2400	213	0	214	0	285	0	302	0	0	2	0	2	343	0	7	291	333	0	11	288	331	0	350	314	333	0	351	320	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	563	0	561	0	570	0	568	0	320	2	320	2	7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	144	6
200	577	0	577	0	579	0	579	0	320	2	320	2	4	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	144	0
300	586	0	586	0	590	0	590	0	320	2	320	2	4	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	144	0
400	588	0	588	0	583	0	585	0	320	2	320	2	-4	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	144	0
500	558	0	558	0	558	0	558	0	320	2	320	2	2	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	144	0
600	523	0	523	0	520	0	525	0	320	2	320	2	4	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	146	0
700	509	0	507	0	514	0	514	0	320	2	320	2	7	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	146	0
800	514	0	513	0	518	0	522	0	320	2	320	2	9	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	147	0
900	513	0	513	0	495	0	504	0	320	2	320	2	-7	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	151	0
1000	498	0	500	0	509	0	504	0	320	2	320	2	9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
1100	507	0	507	0	511	0	505	0	320	2	320	2	0	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
1200	403	0	405	0	401	0	401	0	320	2	320	2	-2	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
1300	405	0	406	0	397	0	397	0	320	2	320	2	-7	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
1400	408	0	410	0	396	0	394	0	320	2	320	2	-13	0	-36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	152	0
1500	390	0	392	0	381	0	383	0	320	2	320	2	-9	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	153	0
1600	379	0	379	0	372	0	372	0	320	2	320	2	-5	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	155	0
1700	370	0	370	0	361	0	361	0	320	2	320	2	-7	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	156	0
1800	363	0	361	0	352	0	352	0	320	2	320	2	-9	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	157	0
1900	358	0	358	0	349	0	351	0	320	2	320	2	-7	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	161	0
2000	363	0	363	0	354	0	354	0	320	2	320	2	-7	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
2100	356	0	356	0	347	0	347	0	320	2	320	2	-7	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	179	0
2200	358	0	358	0	349	0	349	0	320	2	320	2	-7	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	183	0
2300	351	0	351	0	343	0	343	0	320	2	320	2	-7	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	189	0
2400	345	0	347	0	336	0	336	0	320	2	320	2	-9	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	198	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	89	0	84	0	151	0	158	0	0	2	0	2	11	0	76	302	0	0	74	281	352	0	36	307	354	0	45	305	0	2	0	0	0	2
200	147	0	155	0	195	0	208	0	0	2	0	2	323	0	9	283	314	0	355	270	316	0	351	292	316	0	337	293	0	2	0	0	0	2
300	197	0	188	0	225	0	251	0	0	2	0	2	302	0	327	268	293	0	322	253	292	0	305	275	292	0	302	278	0	2	0	0	0	2
400	247	0	243	0	278	0	307	0	0	2	0	2	303	0	329	279	292	0	322	260	288	0	310	233	289	0	302	235	0	2	0	0	0	2
500	207	0	214	0	274	0	276	0	0	2	0	2	317	0	340	289	309	0	340	275	311	0	321	297	311	0	339	298	0	2	0	0	0	2
600	165	0	169	0	194	0	194	0	0	2	0	2	318	0	351	293	308	0	327	279	309	0	317	302	309	0	319	304	0	2	0	0	0	2
700	164	0	165	0	208	0	219	0	0	2	0	2	307	0	338	261	299	0	324	269	300	0	308	293	300	0	311	290	0	2	0	0	0	2
800	149	0	154	0	193	0	203	0	0	2	0	2	310	0	338	280	303	0	335	261	302	0	308	294	301	0	308	289	0	2	0	0	0	2
900	147	0	152	0	181	0	188	0	0	2	0	2	310	0	327	290	302	0	330	273	303	0	309	292	303	0	318	294	0	2	0	0	0	2
1000	94	0	100	0	123	0	125	0	0	2	0	2	312	0	346	269	306	0	331	272	307	0	317	297	308	0	316	296	0	2	0	0	0	2
1100	81	0	84	0	108	0	117	0	0	2	0	2	304	0	1	277	298	0	332	265	295	0	305	283	297	0	313	283	0	2	0	0	0	2
1200	70	0	73	0	90	0	98	0	0	2	0	2	309	0	351	282	299	0	323	265	297	0	313	281	300	0	316	285	0	2	0	0	0	2
1300	54	0	59	0	70	0	77	0	0	2	0	2	307	0	349	266	295	0	339	248	302	0	320	275	304	0	328	267	0	2	0	0	0	2
1400	55	0	61	0	78	0	81	0	0	2	0	2	312	0	354	230	307	0	350	220	314	0	342	278	316	0	350	258	0	2	0	0	0	2
1500	47	0	59	0	60	0	64	0	0	2	0	2	335	0	18	272	330	0	17	273	329	0	0	303	334	0	1	306	0	2	0	0	0	2
1600	42	0	51	0	48	0	50	0	0	2	0	2	339	0	52	271	334	0	25	292	330	0	4	283	332	0	12	290	0	2	0	0	0	2
1700	31	0	41	0	40	0	44	0	0	2	0	2	341	0	30	271	327	0	359	238	340	0	10	304	345	0	28	304	0	2	0	0	0	2
1800	27	0	33	0	32	0	34	0	0	2	0	2	20	3	138	306	13	0	68	292	2	0	75	309	6	0	52	312	0	2	0	0	0	2
1900	37	0	41	0	56	0	59	0	0	2	0	2	36	0	65	13	29	0	57	353	12	0	30	354	20	0	35	3	0	2	0	0	0	2
2000	41	0	47	0	51	0	57	0	0	2	0	2	54	0	66	36	50	0	64	32	34	0	40	23	42	0	48	30	0	2	0	0	0	2
2100	50	0	63	0	71	0	92	0	0	2	0	2	60	0	76	42	56	0	69	44	39	0	44	35	49	0	53	48	0	2	0	0	0	2
2200	56	0	64	0	91	0	105	0	0	2	0	2	77	0	86	70	73	0	83	65	53	0	63	48	63	0	71	296	0	2	0	0	0	2
2300	66	0	74	0	109	0	128	0	0	2	0	2	76	0	93	65	72	0	98	62	53	0	60	48	65	0	73	60	0	2	0	0	0	2
2400	79	0	83	0	126	0	134	0	0	2	0	2	79	0	93	66	76	0	90	61	57	0	64	47	69	0	76	61	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	329	0	329	0	320	0	322	0	320	2	320	2	-7	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	210	0
200	320	0	320	0	315	0	315	0	320	2	320	2	-4	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	211	0
300	325	0	325	0	315	0	320	0	320	2	320	2	-7	0	-38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	217	0
400	331	0	331	0	317	0	322	0	320	2	320	2	-9	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	222	0
500	333	0	333	0	322	0	320	0	320	2	320	2	-13	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	222	0
600	333	0	333	0	327	0	320	0	320	2	320	2	-13	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
700	345	0	347	0	343	0	331	0	320	2	320	2	-16	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	6
800	352	0	354	0	347	0	338	0	320	2	320	2	-16	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
900	352	0	352	0	347	0	338	0	320	2	320	2	-13	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
1000	358	0	361	0	349	0	343	0	320	2	320	2	-14	0	-38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	6
1100	370	0	372	0	347	0	349	0	320	2	320	2	-20	0	-47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
1200	383	0	385	0	345	0	367	0	320	2	320	2	-16	0	-56	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
1300	388	0	390	0	351	0	369	0	320	2	320	2	-20	0	-58	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	6
1400	387	0	388	0	351	0	361	0	320	2	320	2	-27	0	-56	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
1500	383	0	387	0	358	0	363	0	320	2	320	2	-22	0	-47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	6
1600	387	0	396	0	370	0	369	0	320	2	320	2	-20	0	-45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
1700	394	0	396	0	374	0	374	0	320	2	320	2	-22	0	-43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
1800	381	0	383	0	374	0	372	0	320	2	320	2	-11	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
1900	356	0	356	0	354	0	351	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
2000	331	0	329	0	367	0	360	0	320	2	320	2	31	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
2100	336	0	334	0	361	0	358	0	320	2	320	2	23	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
2200	324	0	324	0	354	0	351	0	320	2	320	2	29	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
2300	317	0	315	0	345	0	345	0	320	2	320	2	29	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
24[illegible]	4	0	312	0	331	0	329	0	320	2	320	2	16	0	-9	0	[illegible]	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	99	0	100	0	156	0	155	0	0	2	0	2	92	0	112	68	88	0	112	66	67	0	75	56	79	0	86	70	0	2	0	0	0	2
200	97	0	97	0	166	0	165	0	0	2	0	2	95	0	120	69	91	0	118	74	72	0	77	67	86	0	90	80	0	2	0	0	0	2
300	82	0	84	0	162	0	157	0	0	2	0	2	106	0	124	92	103	0	121	85	86	0	88	85	99	0	100	97	0	2	0	0	0	2
400	94	0	94	0	152	0	153	0	0	2	0	2	114	0	128	90	111	0	126	89	99	0	103	96	113	0	117	110	0	2	0	0	0	2
500	103	0	101	0	162	0	163	0	0	2	0	2	116	0	132	99	114	0	126	97	100	0	104	95	114	0	117	110	0	2	0	0	0	2
600	108	0	105	0	165	0	166	0	0	2	0	2	120	0	128	107	119	0	136	106	102	0	104	100	116	0	118	114	0	2	0	0	0	2
700	93	0	94	0	149	0	151	0	0	2	0	2	113	0	126	99	111	0	125	97	103	0	108	98	118	0	121	114	0	2	0	0	0	2
800	79	0	80	0	130	0	128	0	0	2	0	2	102	0	132	69	102	0	131	74	87	0	107	64	110	0	269	93	0	2	0	0	0	2
900	80	0	85	0	103	0	103	0	0	2	0	2	115	0	135	86	113	0	148	75	112	0	143	87	112	0	266	90	0	2	0	0	0	2
1000	110	0	111	0	124	0	119	0	0	2	0	2	119	0	151	93	117	0	142	91	109	0	135	75	119	0	268	92	0	2	0	0	0	2
1100	100	0	101	0	113	0	118	0	0	2	0	2	104	0	149	67	101	0	166	62	98	0	136	66	95	0	139	71	0	2	0	0	0	2
1200	113	0	117	0	140	0	144	0	0	2	0	2	118	0	152	68	117	0	156	65	109	0	142	81	113	0	150	82	0	2	0	0	0	2
1300	96	0	104	0	121	0	128	0	0	2	0	2	118	0	159	7	118	0	151	81	106	0	138	76	112	0	137	78	0	2	0	0	0	2
1400	76	0	92	0	111	0	120	0	0	2	0	2	139	0	197	103	137	0	171	109	127	0	154	96	135	0	156	110	0	2	0	0	0	2
1500	74	0	80	0	83	0	89	0	0	2	0	2	106	0	157	40	103	0	157	38	91	0	133	47	98	0	141	52	0	2	0	0	0	2
1600	85	0	90	0	103	0	106	0	0	2	0	2	96	0	165	58	92	0	158	55	80	0	117	48	86	0	113	59	0	2	0	0	0	2
1700	67	0	76	0	87	0	84	0	0	2	0	2	103	0	164	66	98	0	153	56	90	0	125	53	97	0	146	44	0	2	0	0	0	2
1800	98	0	100	0	124	0	124	0	0	2	0	2	100	0	135	68	98	0	131	62	85	0	101	60	92	0	110	72	0	2	0	0	0	2
1900	65	0	67	0	98	0	98	0	0	2	0	2	106	0	136	69	103	0	152	59	94	0	115	82	102	0	120	85	0	2	0	0	0	2
2000	67	0	68	0	111	0	112	0	0	2	0	2	112	0	131	75	108	0	132	86	98	0	108	92	107	0	113	98	0	2	0	0	0	2
2100	76	0	78	0	124	0	124	0	0	2	0	2	111	0	138	86	108	0	129	85	100	0	108	93	109	0	117	102	0	2	0	0	0	2
2200	67	0	70	0	114	0	115	0	0	2	0	2	110	0	142	89	106	0	129	83	100	0	105	92	108	0	115	99	0	2	0	0	0	2
2300	66	0	68	0	105	0	105	0	0	2	0	2	85	0	98	72	81	0	96	67	78	0	82	72	85	0	90	79	0	2	0	0	0	2
2400	82	0	83	0	133	0	133	0	0	2	0	2	87	0	106	68	84	0	103	69	75	0	80	67	83	0	88	75	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	314	0	314	0	329	0	329	0	320	2	320	2	14	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
200	312	0	312	0	333	0	334	0	320	2	320	2	22	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
300	312	0	312	0	343	0	343	0	320	2	320	2	32	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
400	320	0	320	0	354	0	352	0	320	2	320	2	36	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
500	324	0	324	0	360	0	360	0	320	2	320	2	36	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
600	324	0	324	0	356	0	356	0	320	2	320	2	32	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	6
700	331	0	331	0	367	0	365	0	320	2	320	2	36	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
800	401	2	367	2	412	0	379	2	320	2	320	2	5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	223	0
900	393	2	410	2	424	2	761	2	320	2	320	2	45	0	-11	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
1000	379	2	406	2	401	2	388	2	320	2	320	2	-7	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1100	455	2	460	2	462	2	462	2	320	2	320	2	0	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
1200	457	2	468	0	459	2	457	0	320	2	320	2	-9	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1300	453	2	482	0	455	2	473	0	320	2	320	2	-5	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1400	500	0	498	0	484	0	482	0	320	2	320	2	-16	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1500	516	0	518	0	511	0	502	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6
1600	520	0	520	0	507	0	502	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1700	522	0	525	0	520	0	507	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1800	509	0	507	0	500	0	476	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1900	493	0	491	0	486	0	484	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2000	477	0	475	0	471	0	469	0	320	2	320	2	-2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2100	459	0	457	0	459	0	459	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2200	450	0	446	0	451	0	450	0	320	2	320	2	5	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2300	435	0	433	0	446	0	444	0	320	2	320	2	13	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
2400	424	0	423	0	437	0	435	0	320	2	320	2	14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	6

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	86	0	89	0	138	0	137	0	0	2	0	2	90	0	121	74	86	0	105	64	75	0	83	63	84	0	89	75	0	2	0	0	0	2
200	82	0	84	0	131	0	130	0	0	2	0	2	93	0	120	74	89	0	110	74	78	0	83	71	86	0	92	79	0	2	0	0	0	2
300	74	0	78	0	105	0	106	0	0	2	0	2	86	0	115	64	81	0	114	56	67	0	76	49	75	0	88	60	0	2	0	0	0	2
400	70	0	71	0	101	0	102	0	0	2	0	2	97	0	123	77	93	0	116	68	82	0	95	71	89	0	104	70	0	2	0	0	0	2
500	78	0	76	0	117	0	115	0	0	2	0	2	112	0	132	89	110	0	128	88	95	0	108	85	102	0	110	91	0	2	0	0	0	2
600	99	0	100	0	134	0	135	0	0	2	0	2	96	0	125	74	92	0	114	71	81	0	93	72	88	0	96	79	0	2	0	0	0	2
700	91	0	92	0	130	0	129	0	0	2	0	2	108	0	128	93	104	0	128	81	89	0	105	78	96	0	110	82	0	2	0	0	0	2
800	94	0	97	0	109	0	106	0	0	2	0	2	94	0	126	71	89	0	113	67	76	0	102	55	82	0	98	63	0	2	0	0	0	2
900	81	0	86	0	102	0	103	0	0	2	0	2	94	0	137	68	89	0	132	61	84	0	125	56	91	0	128	67	0	2	0	0	0	2
1000	108	0	105	0	113	0	113	0	0	2	0	2	108	0	145	75	104	0	144	60	89	0	122	66	97	0	141	72	0	2	0	0	0	2
1100	112	0	114	0	126	0	131	0	0	2	0	2	97	0	144	58	92	0	135	48	84	0	138	52	91	0	158	62	0	2	0	0	0	2
1200	113	0	113	0	135	0	138	0	0	2	0	2	101	0	146	53	100	0	145	67	90	0	156	45	95	0	138	56	0	2	0	0	0	2
1300	140	0	138	0	165	0	162	0	0	2	0	2	93	0	144	69	88	0	122	65	77	0	110	64	84	0	118	42	0	2	0	0	0	2
1400	104	0	106	0	143	0	142	0	0	2	0	2	104	0	134	67	100	0	139	66	90	0	110	63	98	0	126	75	0	2	0	0	0	2
1500	74	0	76	0	94	0	94	0	0	2	0	2	106	0	136	70	103	0	153	78	93	0	130	56	100	0	134	67	0	2	0	0	0	2
1600	81	0	85	0	99	0	103	0	0	2	0	2	122	0	152	90	120	0	162	87	106	0	126	60	115	0	138	74	0	2	0	0	0	2
1700	99	0	101	0	130	0	134	0	0	2	0	2	103	0	138	73	97	0	125	69	85	0	110	53	93	0	119	66	0	2	0	0	0	2
1800	86	0	87	0	118	0	120	0	0	2	0	2	97	0	127	66	94	0	119	65	81	0	110	56	88	0	108	63	0	2	0	0	0	2
1900	106	0	106	0	141	0	141	0	0	2	0	2	101	0	143	65	97	0	134	70	82	0	97	64	89	0	107	64	0	2	0	0	0	2
2000	123	0	123	0	163	0	164	0	0	2	0	2	103	0	127	84	100	0	132	63	88	0	103	74	95	0	112	80	0	2	0	0	0	2
2100	122	0	117	0	156	0	156	0	0	2	0	2	116	0	149	89	113	0	142	87	98	0	115	78	105	0	121	84	0	2	0	0	0	2
2200	115	0	114	0	144	0	146	0	0	2	0	2	124	0	145	95	120	0	152	97	106	0	130	90	113	0	125	96	0	2	0	0	0	2
2300	147	0	148	0	180	0	186	0	0	2	0	2	129	0	147	106	125	0	141	95	113	0	125	99	121	0	136	106	0	2	0	0	0	2
2400	116	0	121	0	143	0	155	0	0	2	0	2	130	0	150	102	128	0	145	107	122	0	144	100	129	0	147	114	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	412	0	410	0	421	0	419	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
200	405	0	403	0	412	0	410	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
300	399	0	397	0	396	0	392	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
400	396	0	392	0	390	0	388	0	320	2	320	2	-2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
500	392	0	390	0	388	0	387	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
600	385	0	383	0	383	0	381	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
700	376	0	374	0	372	0	370	0	320	2	320	2	0	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
800	388	0	387	0	381	0	378	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
900	408	0	406	0	396	0	394	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1000	444	0	442	0	435	0	430	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1100	487	0	487	0	473	0	469	0	320	2	320	2	-13	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1200	511	0	511	0	498	0	495	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1300	516	0	514	0	504	0	500	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1400	531	0	529	0	520	0	516	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1500	533	0	532	0	509	0	509	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1600	502	0	500	0	493	0	489	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1700	477	0	475	0	466	0	464	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1800	469	0	468	0	460	0	459	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1900	453	0	451	0	444	0	441	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
2000	457	0	455	0	450	0	446	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
2100	459	0	457	0	450	0	446	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
2200	468	0	466	0	460	0	459	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
2300	475	0	473	0	464	0	464	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
2400	471	0	469	0	462	0	460	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	134	0	141	0	167	0	177	0	0	2	0	2	134	0	153	119	134	0	153	117	123	0	142	109	132	0	142	115	0	2	0	0	0	2
200	68	0	73	0	93	0	100	0	0	2	0	2	131	0	176	99	128	0	153	90	119	0	142	96	126	0	150	98	0	2	0	0	0	2
300	66	0	73	0	83	0	91	0	0	2	0	2	132	0	160	113	130	0	156	104	122	0	135	108	129	0	145	116	0	2	0	0	0	2
400	121	0	124	0	150	0	156	0	0	2	0	2	128	0	146	109	127	0	145	112	118	0	136	105	126	0	148	111	0	2	0	0	0	2
500	118	0	120	0	142	0	145	0	0	2	0	2	129	0	144	114	127	0	146	108	117	0	127	111	126	0	138	119	0	2	0	0	0	2
600	103	0	102	0	123	0	125	0	0	2	0	2	120	0	136	80	118	0	138	100	106	0	119	86	114	0	136	95	0	2	0	0	0	2
700	108	0	103	0	137	0	137	0	0	2	0	2	117	0	139	86	116	0	135	84	102	0	116	87	109	0	123	91	0	2	0	0	0	2
800	93	0	99	0	120	0	125	0	0	2	0	2	129	0	152	109	127	0	148	105	117	0	140	93	125	0	142	104	0	2	0	0	0	2
900	102	0	101	0	131	0	130	0	0	2	0	2	111	0	144	75	107	0	141	76	96	0	110	79	102	0	119	88	0	2	0	0	0	2
1000	147	0	145	0	161	0	165	0	0	2	0	2	128	0	140	98	127	0	144	111	115	0	127	100	122	0	138	106	0	2	0	0	0	2
1100	114	0	111	0	131	0	134	0	0	2	0	2	123	0	151	98	121	0	144	95	109	0	133	88	115	0	137	93	0	2	0	0	0	2
1200	144	0	149	0	162	0	168	0	0	2	0	2	129	0	154	103	126	0	144	102	112	0	126	91	121	0	136	99	0	2	0	0	0	2
1300	107	0	120	0	162	0	170	0	0	2	0	2	138	0	172	117	137	0	187	108	128	0	148	102	137	0	157	114	0	2	0	0	0	2
1400	107	0	126	0	165	0	175	0	0	2	0	2	143	0	231	107	139	0	168	105	131	0	169	109	140	0	168	113	0	2	0	0	0	2
1500	96	0	110	0	153	0	162	0	0	2	0	2	141	0	183	112	140	0	163	115	135	0	159	115	143	0	162	119	0	2	0	0	0	2
1600	124	0	132	0	175	0	186	0	0	2	0	2	133	0	162	113	132	0	152	99	122	0	132	110	131	0	149	100	0	2	0	0	0	2
1700	106	0	123	0	160	0	167	0	0	2	0	2	139	0	173	116	136	0	164	113	129	0	148	109	137	0	154	105	0	2	0	0	0	2
1800	89	0	104	0	155	0	160	0	0	2	0	2	142	0	170	117	138	0	164	118	133	0	148	120	142	0	157	121	0	2	0	0	0	2
1900	126	0	137	0	197	0	202	0	0	2	0	2	141	0	174	118	140	0	168	117	133	0	148	118	142	0	158	122	0	2	0	0	0	2
2000	121	0	136	0	208	0	212	0	0	2	0	2	144	0	186	114	142	0	180	102	134	0	149	116	143	0	155	119	0	2	0	0	0	2
2100	112	0	123	0	188	0	193	0	0	2	0	2	146	0	184	114	144	0	173	100	142	0	165	119	150	0	176	131	0	2	0	0	0	2
2200	82	0	87	0	167	0	174	0	0	2	0	2	157	0	211	92	157	0	247	121	156	0	174	117	164	0	186	136	0	2	0	0	0	2
2300	78	0	82	0	144	0	151	0	0	2	0	2	162	0	203	128	158	0	193	112	161	0	181	148	168	0	184	146	0	2	0	0	0	2
2400	80	0	83	0	162	0	170	0	0	2	0	2	173	0	227	126	168	0	220	109	168	0	192	144	175	0	198	156	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	466	0	464	0	457	0	455	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
200	464	0	464	0	457	0	455	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
300	464	0	464	0	457	0	457	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
400	466	0	464	0	459	0	457	0	320	2	320	2	-4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
500	466	0	466	0	460	0	459	0	320	2	320	2	-4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
600	468	0	466	0	462	0	460	0	320	2	320	2	-4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
700	468	0	468	0	464	0	462	0	320	2	320	2	-2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
800	477	0	475	0	471	0	471	0	320	2	320	2	-2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
900	487	0	487	0	484	0	482	0	320	2	320	2	-4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1000	509	0	507	0	504	0	502	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1100	532	0	531	0	525	0	523	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1200	556	0	554	0	549	0	547	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1300	581	0	579	0	568	0	567	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1400	590	0	588	0	577	0	576	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1500	586	0	586	0	577	0	576	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1600	576	0	574	0	572	0	568	0	320	2	320	2	-4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1700	592	0	590	0	585	0	583	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1800	601	0	599	0	595	0	592	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1900	606	0	604	0	603	0	601	0	320	2	320	2	-2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
2000	612	0	610	0	610	0	608	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
2100	622	0	619	0	619	0	615	0	320	2	320	2	2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
2200	621	0	619	0	622	0	621	0	320	2	320	2	4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
2300	615	0	613	0	617	0	613	0	320	2	320	2	4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
2400	610	0	608	0	613	0	610	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	86	0	88	0	171	0	172	0	0	2	0	2	174	0	217	126	173	0	240	123	170	0	189	149	179	0	198	153	0	2	0	0	0	2
200	94	0	91	0	176	0	164	0	0	2	0	2	183	0	249	120	183	0	236	105	176	0	196	149	183	0	201	165	0	2	0	0	0	2
300	100	0	95	0	188	0	173	0	0	2	0	2	203	0	265	141	202	0	265	136	187	0	227	164	194	0	226	169	0	2	0	0	0	2
400	75	0	66	0	114	0	103	0	0	2	0	2	232	0	272	195	230	0	272	185	210	0	237	174	217	0	242	185	0	2	0	0	0	2
500	38	0	44	0	85	0	85	0	0	2	0	2	189	0	238	126	188	0	232	140	181	0	203	167	188	0	210	173	0	2	0	0	0	2
600	32	0	36	0	90	0	96	0	0	2	0	2	176	0	210	139	171	0	200	123	170	0	181	161	179	0	187	169	0	2	0	0	0	2
700	45	0	51	0	116	0	122	0	0	2	0	2	146	0	183	125	144	0	180	111	156	0	164	141	165	0	175	154	0	2	0	0	0	2
800	87	0	80	0	153	0	138	0	0	2	0	2	206	0	254	122	205	0	249	152	194	0	214	173	203	0	226	180	0	2	0	0	0	2
900	61	0	64	0	126	0	121	0	0	2	0	2	189	0	248	90	185	0	241	105	179	0	213	130	190	0	258	142	0	2	0	0	0	2
1000	73	0	79	0	151	0	147	0	0	2	0	2	184	0	266	92	184	0	265	94	173	0	201	115	182	0	205	141	0	2	0	0	0	2
1100	62	0	71	0	127	0	127	0	0	2	0	2	183	0	257	90	188	0	248	110	172	0	208	128	181	0	217	127	0	2	0	0	0	2
1200	89	0	99	0	153	0	160	0	0	2	0	2	156	0	214	124	156	0	208	123	147	0	169	120	154	0	173	131	0	2	0	0	0	2
1300	95	0	95	0	201	0	186	0	0	2	0	2	196	0	248	120	185	0	253	93	182	0	211	164	190	0	217	170	0	2	0	0	0	2
1400	95	0	84	0	136	0	123	0	0	2	0	2	243	0	291	192	239	0	293	193	220	0	256	193	230	0	274	194	0	2	0	0	0	2
1500	150	0	129	0	213	0	196	0	0	2	0	2	243	0	286	204	240	0	282	201	223	0	241	200	234	0	246	217	0	2	0	0	0	2
1600	133	0	125	0	270	0	234	0	0	2	0	2	257	0	291	226	254	0	285	227	245	0	255	238	254	0	260	240	0	2	0	0	0	2
1700	151	0	146	0	213	0	235	0	0	2	0	2	282	0	320	246	277	0	331	227	271	0	298	209	282	0	305	211	0	2	0	0	0	2
1800	117	0	103	0	181	0	167	0	0	2	0	2	241	0	280	203	241	0	281	208	225	0	257	204	234	0	263	198	0	2	0	0	0	2
1900	137	0	123	0	214	0	201	0	0	2	0	2	245	0	275	207	243	0	265	206	227	0	239	200	238	0	253	213	0	2	0	0	0	2
2000	135	0	114	0	227	0	220	0	0	2	0	2	244	0	284	212	242	0	271	207	232	0	239	220	242	0	249	219	0	2	0	0	0	2
2100	164	0	145	0	297	0	293	0	0	2	0	2	248	0	277	213	247	0	283	205	233	0	239	227	244	0	249	237	0	2	0	0	0	2
2200	169	0	152	0	264	0	253	0	0	2	0	2	246	0	288	203	244	0	266	212	229	0	241	206	241	0	250	229	0	2	0	0	0	2
2300	178	0	167	0	307	0	282	0	0	2	0	2	254	0	294	215	255	0	286	216	238	0	247	231	250	0	255	245	0	2	0	0	0	2
2400	148	0	130	0	251	0	250	0	0	2	0	2	249	0	292	221	245	0	275	208	235	0	241	224	246	0	252	232	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	608	0	606	0	612	0	610	0	320	2	320	2	5	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
200	612	0	610	0	617	0	613	0	320	2	320	2	7	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
300	612	0	610	0	613	0	612	0	320	2	320	2	5	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
400	606	0	604	0	603	0	601	0	320	2	320	2	0	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
500	570	0	570	0	583	0	581	0	320	2	320	2	14	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
600	558	0	556	0	574	0	572	0	320	2	320	2	18	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
700	552	0	550	0	568	0	567	0	320	2	320	2	16	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
800	567	0	567	0	577	0	574	0	320	2	320	2	13	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	126	0
700	603	0	601	0	592	0	590	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	125	0
1000	640	0	637	0	622	0	621	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	125	0
1100	666	0	662	0	642	0	640	0	320	2	320	2	-18	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	124	0
1200	648	0	641	0	637	0	635	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	124	0
1300	480	0	478	0	487	0	487	0	320	2	320	2	11	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	168	0
1400	525	0	522	0	507	0	504	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1500	531	0	527	0	520	0	516	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
1600	491	0	489	0	531	0	527	0	320	2	320	2	40	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1700	439	0	437	0	441	0	439	0	320	2	320	2	5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1800	442	0	441	0	444	0	442	0	320	2	320	2	5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1900	450	0	448	0	455	0	451	0	320	2	320	2	7	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2000	442	0	441	0	450	0	448	0	320	2	320	2	11	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2100	448	0	446	0	471	0	471	0	320	2	320	2	25	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2200	464	0	464	0	484	0	482	0	320	2	320	2	22	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2300	459	0	457	0	480	0	478	0	320	2	320	2	25	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2400	441	0	439	0	473	0	471	0	320	2	320	2	34	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	179	0	154	0	284	0	287	0	0	2	0	2	249	0	285	227	247	0	266	227	234	0	242	223	246	0	255	239	0	2	0	0	0	2
200	188	0	165	0	275	0	283	0	0	2	0	2	248	0	285	217	247	0	274	223	234	0	239	220	247	0	260	236	0	2	0	0	0	2
300	136	0	127	0	233	0	191	0	0	2	0	2	250	0	269	208	252	0	286	214	241	0	245	235	253	0	258	249	0	2	0	0	0	2
400	146	0	129	0	245	0	218	0	0	2	0	2	248	0	276	211	250	0	285	216	241	0	248	229	255	0	265	245	0	2	0	0	0	2
500	145	0	127	0	216	0	197	0	0	2	0	2	245	0	271	210	246	0	281	215	239	0	246	212	253	0	263	234	0	2	0	0	0	2
600	129	0	112	0	193	0	173	0	0	2	0	2	246	0	272	217	245	0	275	208	237	0	245	224	251	0	260	228	0	2	0	0	0	2
700	144	0	127	0	210	0	181	0	0	2	0	2	245	0	278	209	245	0	283	213	239	0	254	228	253	0	259	241	0	2	0	0	0	2
800	130	0	112	0	185	0	187	0	0	2	0	2	244	0	276	218	243	0	276	213	230	0	237	210	245	0	251	232	0	2	0	0	0	2
700	129	0	111	0	185	0	177	0	0	2	0	2	240	0	281	195	245	0	285	188	228	0	237	212	246	0	251	233	0	2	0	0	0	2
1000	133	0	126	0	182	0	159	0	0	2	0	2	244	0	280	206	246	0	285	206	231	0	240	214	248	0	259	227	0	2	0	0	0	2
1100	71	0	88	0	148	0	147	0	0	2	0	2	243	0	304	218	246	0	295	201	228	0	242	202	244	0	251	219	0	2	0	0	0	2
1200	75	0	72	0	117	0	115	0	0	2	0	2	240	0	276	210	245	0	279	217	222	0	238	204	238	0	249	207	0	2	0	0	0	2
1300	90	0	86	0	140	0	126	0	0	2	0	2	234	0	278	188	238	0	279	207	218	0	236	203	233	0	257	220	0	2	0	0	0	2
1400	49	0	49	0	62	0	63	0	0	2	0	2	237	0	286	195	241	0	301	189	214	0	250	177	229	0	255	204	0	2	0	0	0	2
1500	68	0	71	0	70	0	70	0	0	2	0	2	245	0	275	211	251	0	277	227	230	0	251	209	245	0	271	219	0	2	0	0	0	2
1600	57	0	62	0	64	0	61	0	0	2	0	2	251	0	290	214	255	0	303	228	223	0	256	185	238	0	272	214	0	2	0	0	0	2
1700	74	0	73	0	110	0	104	0	0	2	0	2	225	0	265	122	229	0	269	114	199	0	250	144	213	0	259	164	0	2	0	0	0	2
1800	59	0	60	0	95	0	90	0	0	2	0	2	210	0	259	121	213	0	265	115	189	0	225	139	204	0	252	166	0	2	0	0	0	2
1900	48	0	55	0	100	0	99	0	0	2	0	2	182	0	247	132	187	0	245	129	172	0	191	155	185	0	201	171	0	2	0	0	0	2
2000	54	0	62	0	124	0	134	0	0	2	0	2	159	0	210	119	161	0	206	115	159	0	177	142	174	0	206	158	0	2	0	0	0	2
2100	58	0	66	0	135	0	143	0	0	2	0	2	166	0	233	122	168	0	222	121	162	0	183	139	176	0	192	158	0	2	0	0	0	2
2200	65	0	67	0	149	0	144	0	0	2	0	2	179	0	232	129	182	0	227	109	171	0	190	157	184	0	209	163	0	2	0	0	0	2
2300	80	0	81	0	156	0	144	0	0	2	0	2	201	0	264	124	205	0	258	139	185	0	209	155	199	0	231	167	0	2	0	0	0	2
2400	63	0	70	0	130	0	124	0	0	2	0	2	190	0	238	142	198	0	247	132	180	0	204	157	192	0	216	166	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	451	0	450	0	477	0	475	0	320	2	320	2	27	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
200	471	0	469	0	486	0	484	0	320	2	320	2	20	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
300	486	0	484	0	496	0	494	0	320	2	320	2	23	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
400	490	0	488	0	496	0	494	0	320	2	320	2	22	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
500	492	0	492	0	501	0	501	0	320	2	320	2	14	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
600	502	0	502	0	510	0	508	0	320	2	320	2	11	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
700	510	0	510	0	528	0	524	0	320	2	320	2	18	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
800	544	0	544	0	546	0	544	0	320	2	320	2	5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
900	556	0	555	0	556	0	556	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1000	553	0	551	0	558	0	555	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1100	551	0	551	0	564	0	558	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1200	562	0	564	0	571	0	565	0	320	2	320	2	5	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1300	545	0	543	0	541	0	536	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1400	583	0	581	0	568	0	563	0	320	2	320	2	-16	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
1500	633	0	630	0	626	0	617	0	320	2	320	2	-9	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1600	644	0	642	0	637	0	628	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1700	664	0	662	0	646	0	640	0	320	2	320	2	-16	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1800	666	0	664	0	653	0	648	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1900	637	0	637	0	637	0	631	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2000	619	0	619	0	626	0	621	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2100	604	0	603	0	612	0	608	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2200	603	0	603	0	610	0	606	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2300	606	0	606	0	617	0	613	0	320	2	320	2	13	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
2400	613	0	612	0	615	0	613	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	38	0	83	0	148	0	134	0	0	2	0	2	213	0	262	159	217	0	260	163	195	0	213	156	209	0	231	175	0	2	0	0	0	2
200	94	0	88	0	147	0	135	0	0	2	0	2	215	0	264	113	221	0	268	156	198	0	222	168	212	0	244	181	0	2	0	0	0	2
300	80	0	78	0	130	0	124	0	0	2	0	2	216	0	264	178	221	0	268	181	199	0	233	170	212	0	239	182	0	2	0	0	0	2
400	51	0	57	0	108	0	102	0	0	2	0	2	198	0	242	146	200	0	246	157	187	0	224	169	202	0	230	182	0	2	0	0	0	2
500	54	0	61	0	136	0	124	0	0	2	0	2	187	0	251	131	190	0	250	156	183	0	196	164	196	0	206	186	0	2	0	0	0	2
600	57	0	60	0	142	0	131	0	0	2	0	2	189	0	228	147	191	0	233	124	183	0	192	171	196	0	203	186	0	2	0	0	0	2
700	58	0	63	0	140	0	136	0	0	2	0	2	193	0	247	141	195	0	236	124	182	0	194	166	195	0	208	181	0	2	0	0	0	2
800	48	0	53	0	107	0	102	0	0	2	0	2	185	0	258	105	187	0	235	91	178	0	202	155	194	0	212	169	0	2	0	0	0	2
900	52	0	54	0	75	0	74	0	0	2	0	2	199	0	259	131	203	0	257	127	181	0	212	134	194	0	219	148	0	2	0	0	0	2
1000	39	0	43	0	59	0	61	0	0	2	0	2	211	0	268	90	213	0	269	95	188	0	235	151	200	0	263	138	0	2	0	0	0	2
1100	55	0	54	0	67	0	64	0	0	2	0	2	237	0	275	189	243	0	271	198	215	0	241	172	229	0	259	198	0	2	0	0	0	2
1200	60	0	72	0	83	0	90	0	0	2	0	2	153	0	231	107	157	0	234	99	146	0	196	110	160	0	208	116	0	2	0	0	0	2
1300	58	0	64	0	104	0	106	0	0	2	0	2	178	0	269	97	182	0	256	112	165	0	255	121	175	0	245	110	0	2	0	0	0	2
1400	56	0	63	0	99	0	102	0	0	2	0	2	183	0	261	91	180	0	269	100	170	0	228	120	185	0	241	140	0	2	0	0	0	2
1500	64	0	70	0	110	0	110	0	0	2	0	2	182	0	267	111	186	0	262	117	171	0	217	133	187	0	238	121	0	2	0	0	0	2
1600	109	0	113	0	186	0	178	0	0	2	0	2	187	0	268	137	186	0	262	115	171	0	214	135	184	0	216	158	0	2	0	0	0	2
1700	90	0	92	0	165	0	156	0	0	2	0	2	186	0	264	117	187	0	261	109	175	0	214	141	187	0	229	146	0	2	0	0	0	2
1800	72	0	83	0	146	0	150	0	0	2	0	2	169	0	255	99	171	0	245	110	157	0	190	120	173	0	205	139	0	2	0	0	0	2
1900	70	0	73	0	142	0	134	0	0	2	0	2	201	0	269	116	201	0	268	130	179	0	205	160	193	0	223	166	0	2	0	0	0	2
2000	55	0	57	0	120	0	117	0	0	2	0	2	178	0	237	126	179	0	233	112	169	0	185	155	182	0	200	166	0	2	0	0	0	2
2100	69	0	77	0	145	0	136	0	0	2	0	2	161	0	222	128	162	0	200	116	159	0	176	144	172	0	183	159	0	2	0	0	0	2
2200	84	0	88	0	182	0	173	0	0	2	0	2	182	0	241	122	183	0	242	101	171	0	186	146	185	0	201	163	0	2	0	0	0	2
2300	271	0	258	0	418	0	403	0	0	2	0	2	252	0	286	195	255	0	289	199	232	0	251	169	246	0	264	178	0	2	0	0	0	2
2400	138	0	121	0	228	0	201	0	0	2	0	2	234	0	266	191	239	0	271	195	222	0	248	196	236	0	254	216	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	619	0	617	0	624	0	621	0	320	2	320	2	7	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
200	628	0	626	0	631	0	628	0	320	2	320	2	5	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
300	628	0	626	0	628	0	626	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
400	608	0	606	0	617	0	615	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
500	588	0	586	0	606	0	603	0	320	2	320	2	20	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
600	576	0	574	0	599	0	595	0	320	2	320	2	25	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
700	567	0	567	0	583	0	579	0	320	2	320	2	16	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
800	597	0	595	0	588	0	585	0	320	2	320	2	-9	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
900	646	0	642	0	633	0	626	0	320	2	320	2	-14	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1000	694	0	693	0	675	0	669	0	320	2	320	2	-22	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1100	711	0	705	0	698	0	689	0	320	2	320	2	-13	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1200	750	0	747	0	727	0	721	0	320	2	320	2	-23	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1300	792	0	788	0	756	0	750	0	320	2	320	2	-36	0	-36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1400	817	0	813	0	781	0	777	0	320	2	320	2	-34	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1500	820	0	819	0	792	0	786	0	320	2	320	2	-31	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1600	804	0	822	0	804	0	797	0	320	2	320	2	-23	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1700	835	0	831	0	815	0	811	0	320	2	320	2	-20	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1800	808	0	806	0	802	0	797	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
1900	788	0	786	0	784	0	779	0	320	2	320	2	-2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2000	752	0	750	0	759	0	754	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2100	730	0	729	0	738	0	734	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2200	720	0	718	0	723	0	720	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2300	630	0	624	0	642	0	635	0	320	2	320	2	16	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
2400	533	0	523	0	531	0	527	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0

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

REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	101	0	92	0	167	0	154	0	0	2	0	2	225	0	283	183	227	0	277	191	219	0	247	198	206	0	230	178	206	2	230	178	0	2
200	121	0	123	0	176	0	181	0	0	2	0	2	262	0	286	230	267	0	293	231	259	0	274	250	244	0	257	236	244	2	257	236	0	2
300	45	0	50	0	120	0	115	0	0	2	0	2	195	0	247	110	200	0	248	106	194	0	211	181	182	0	195	167	182	2	195	167	0	2
400	81	0	87	0	157	0	168	0	0	2	0	2	163	0	210	105	167	0	217	94	175	0	199	151	163	0	185	143	163	2	185	143	0	2
500	74	0	78	0	151	0	152	0	0	2	0	2	176	0	251	90	177	0	242	91	180	0	210	152	167	0	197	142	167	2	197	142	0	2
600	95	0	102	0	134	0	140	0	0	2	0	2	20	0	67	344	31	0	69	3	25	0	53	0	359	0	24	335	359	2	24	335	0	2
700	173	0	174	0	222	0	233	0	0	2	0	2	16	0	49	336	24	0	69	340	12	0	41	334	348	0	14	319	348	2	14	319	0	2
800	176	0	183	0	249	0	241	0	0	2	0	2	11	0	54	323	19	0	68	339	6	0	33	338	345	0	3	300	345	2	3	300	0	2
900	195	0	203	0	271	0	274	0	0	2	0	2	15	0	59	306	26	0	60	325	10	0	46	312	347	0	27	278	347	2	27	278	0	2
1000	236	0	247	0	321	0	317	0	0	2	0	2	10	0	53	313	22	0	71	307	7	0	32	323	344	0	13	292	344	2	13	292	0	2
1100	220	0	223	0	332	0	339	0	0	2	0	2	5	0	43	317	19	0	60	299	1	0	33	316	339	0	12	289	339	2	12	289	0	2
1200	225	0	235	0	331	0	344	0	0	2	0	2	10	0	51	318	19	0	60	319	355	0	28	315	333	0	1	307	333	2	1	307	0	2
1300	268	0	272	0	411	0	339	0	0	2	0	2	5	0	50	317	18	0	72	314	358	0	37	327	335	0	11	311	335	2	11	311	0	2
1400	261	0	265	0	388	0	355	0	0	2	0	2	7	0	48	326	20	0	67	325	357	0	20	314	336	0	7	282	336	2	7	282	0	2
1500	191	0	204	0	337	0	273	0	0	2	0	2	359	0	63	295	10	0	77	321	353	0	28	302	333	0	27	284	333	2	27	284	0	2
1600	238	0	226	0	369	0	369	0	0	2	0	2	3	0	73	307	13	0	74	333	358	0	33	317	334	0	7	278	334	2	7	278	0	2
1700	234	0	236	0	353	0	357	0	0	2	0	2	9	0	66	323	22	0	74	330	0	0	28	329	339	0	357	312	339	2	357	312	0	2
1800	248	0	250	0	358	0	361	0	0	2	0	2	8	0	49	312	21	0	60	305	1	0	30	317	340	0	1	322	340	2	1	322	0	2
1900	244	0	246	0	336	0	348	0	0	2	0	2	8	0	42	326	22	0	61	333	3	0	41	333	342	0	11	310	342	2	11	310	0	2
2000	234	0	231	0	334	0	340	0	0	2	0	2	11	0	55	328	22	0	56	343	4	0	34	327	345	0	31	323	345	2	31	323	0	2
2100	224	0	221	0	324	0	334	0	0	2	0	2	15	0	62	328	24	0	61	344	7	0	42	345	346	0	9	323	346	2	9	323	0	2
2200	246	0	251	0	309	0	317	0	0	2	0	2	24	0	56	351	32	0	58	357	15	0	52	318	356	0	20	321	356	2	20	321	0	2
2300	170	0	175	0	237	0	243	0	0	2	0	2	22	0	48	356	28	0	72	0	13	0	46	347	351	0	14	328	351	2	14	328	0	2
2400	139	0	142	0	202	0	211	0	0	2	0	2	16	0	45	347	24	0	73	346	8	0	36	336	348	0	13	318	348	2	13	318	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	597	0	599	0	615	0	612	0	320	2	320	2	18	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	183	0
200	570	0	568	0	597	0	594	0	320	2	320	2	29	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	184	0
300	574	0	574	0	586	0	583	0	320	2	320	2	14	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	184	0
400	585	0	583	0	583	0	579	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	195	0
500	583	0	581	0	581	0	577	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	207	0
600	401	0	399	0	397	0	396	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	213	0
700	381	0	381	0	374	0	372	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	218	0
800	387	0	387	0	379	0	378	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	221	0
900	388	0	387	0	381	0	379	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	246	0
1000	387	0	385	0	379	0	378	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	258	0
1100	390	0	392	0	388	0	381	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	277	0
1200	388	0	388	0	383	0	379	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1300	388	0	387	0	381	0	381	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1400	392	0	392	0	383	0	381	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	104	0
1500	396	0	394	0	385	0	381	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	107	0
1600	405	0	401	0	388	0	388	0	320	2	320	2	-14	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1700	421	0	419	0	417	0	410	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1800	426	0	426	0	424	0	417	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1900	430	0	432	0	432	0	421	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2000	432	0	430	0	428	0	423	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2100	430	0	428	0	423	0	421	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2200	435	0	439	0	444	0	426	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2300	423	0	423	0	417	0	415	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2400	406	0	408	0	410	0	403	0	320	2	320	2	-2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	105	0	106	0	182	0	188	0	0	2	0	2	10	0	62	339	14	0	85	333	0	0	25	341	340	0	356	322	340	2	356	322	0	2
200	113	0	119	0	200	0	217	0	0	2	0	2	9	0	75	309	13	0	95	311	351	0	25	297	334	0	5	306	334	2	5	306	0	2
300	89	0	95	0	160	0	169	0	0	2	0	2	8	0	67	316	8	0	64	298	353	0	36	313	334	0	4	303	334	2	4	303	0	2
400	99	0	99	0	175	0	179	0	0	2	0	2	354	0	81	298	358	0	75	288	349	0	28	294	333	0	8	291	333	2	8	291	0	2
500	81	0	83	0	149	0	152	0	0	2	0	2	6	0	99	276	14	0	120	319	352	0	16	317	332	0	359	305	332	2	359	305	0	2
600	92	0	96	0	166	0	175	0	0	2	0	2	10	0	70	314	15	0	103	288	354	0	41	312	337	0	26	306	337	2	26	306	0	2
700	98	0	105	0	183	0	194	0	0	2	0	2	6	0	60	308	10	0	62	325	353	0	31	321	336	0	19	309	336	2	19	309	0	2
800	102	0	109	0	167	0	179	0	0	2	0	2	12	0	90	301	19	0	72	333	355	0	28	317	336	0	11	306	336	2	11	306	0	2
900	101	0	108	0	145	0	153	0	0	2	0	2	13	0	52	340	18	0	67	336	2	0	36	323	344	0	15	306	344	2	15	306	0	2
1000	76	0	81	0	124	0	133	0	0	2	0	2	358	0	71	296	4	0	107	295	352	0	37	291	334	0	23	288	334	2	23	288	0	2
1100	89	0	103	0	140	0	148	0	0	2	0	2	12	0	63	308	15	0	73	311	0	0	44	295	342	0	25	300	342	2	25	300	0	2
1200	75	0	85	0	122	0	132	0	0	2	0	2	5	0	69	302	14	0	113	288	1	0	48	311	342	0	18	283	342	2	18	283	0	2
1300	94	0	105	0	142	0	151	0	0	2	0	2	340	0	38	290	340	0	56	299	339	0	24	312	320	0	343	304	320	2	343	304	0	2
1400	93	0	105	0	122	0	132	0	0	2	0	2	336	0	34	285	337	0	20	298	344	0	45	280	328	0	6	278	328	2	6	278	0	2
1500	64	0	65	0	100	0	104	0	0	2	0	2	343	0	67	294	356	0	118	270	350	0	44	297	331	0	63	285	331	2	63	285	0	2
1600	79	0	09	0	128	0	136	0	0	2	0	2	353	0	51	284	1	0	55	289	357	0	47	315	337	0	34	292	337	2	34	292	0	2
1700	75	0	79	0	105	0	114	0	0	2	0	2	347	0	49	287	352	0	55	277	349	0	25	306	332	0	9	289	332	2	9	289	0	2
1800	107	0	114	0	152	0	156	0	0	2	0	2	19	0	51	335	22	0	57	326	8	0	38	341	347	0	14	307	347	2	14	307	0	2
1900	83	0	88	0	124	0	133	0	0	2	0	2	18	0	52	331	18	0	69	338	3	0	44	325	343	0	21	311	343	2	21	311	0	2
2000	101	0	106	0	162	0	166	0	0	2	0	2	26	0	54	358	32	0	61	6	19	0	36	359	356	0	16	325	356	2	16	325	0	2
2100	65	0	74	0	111	0	120	0	0	2	0	2	13	0	47	319	20	0	61	330	11	0	41	340	350	0	20	314	350	2	20	314	0	2
2200	49	0	60	0	98	0	105	0	0	2	0	2	36	0	72	13	42	0	87	7	32	0	54	15	7	0	24	346	7	2	24	346	0	2
2300	68	0	79	0	112	0	133	0	0	2	0	2	66	0	99	21	76	0	102	39	54	0	81	319	29	0	54	13	29	2	54	13	0	2
2400	64	0	69	0	107	0	111	0	0	2	0	2	92	0	101	86	101	0	112	96	78	0	86	293	52	0	67	44	52	2	67	44	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	394	0	392	0	390	0	390	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
200	394	0	392	0	390	0	390	0	320	2	320	2	-2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
300	388	0	387	0	385	0	385	0	320	2	320	2	-4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
400	388	0	387	0	385	0	385	0	320	2	320	2	-4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
500	385	0	383	0	383	0	381	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
600	387	0	385	0	385	0	385	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
700	392	0	392	0	397	0	392	0	320	2	320	2	0	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
800	408	0	408	0	401	0	408	0	320	2	320	2	-7	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
900	410	0	412	0	403	0	415	0	320	2	320	2	-11	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1000	415	0	415	0	403	0	415	0	320	2	320	2	-14	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1100	421	0	424	0	410	0	415	0	320	2	320	2	-16	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1200	424	0	426	0	410	0	417	0	320	2	320	2	-16	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1300	419	0	419	0	397	0	405	0	320	2	320	2	-22	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1400	430	0	433	0	423	0	417	0	320	2	320	2	-13	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1500	444	0	444	0	439	0	433	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1600	437	0	437	0	435	0	433	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1700	432	0	432	0	433	0	432	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1800	437	0	435	0	446	0	446	0	320	2	320	2	11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1900	423	0	421	0	426	0	423	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2000	430	0	428	0	439	0	437	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2100	423	0	421	0	423	0	423	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2200	424	0	421	0	435	0	435	0	320	2	320	2	13	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2300	421	0	419	0	451	0	448	0	320	2	320	2	31	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2400	417	0	415	0	478	0	475	0	320	2	320	2	61	0	61	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	85	0	88	0	135	0	140	0	0	2	0	2	110	0	115	106	121	0	127	113	117	0	122	114	88	0	92	84	88	2	92	84	0	2
200	83	0	87	0	148	0	153	0	0	2	0	2	117	0	126	109	128	0	141	119	125	0	129	120	96	0	100	92	96	2	100	92	0	2
300	40	0	48	0	92	0	102	0	0	2	0	2	142	0	167	128	143	0	167	120	130	0	138	122	98	0	107	93	98	2	107	93	0	2
400	19	0	30	0	68	0	77	0	0	2	0	2	168	0	236	133	165	0	224	137	126	0	131	122	95	0	101	91	95	2	101	91	0	2
500	28	0	36	0	70	0	78	0	0	2	0	2	126	0	142	121	127	0	141	121	116	0	122	114	86	0	91	84	86	2	91	84	0	2
600	0	4	14	0	34	0	41	0	0	2	0	2	171	5	203	133	172	5	206	137	122	0	132	115	91	0	103	85	91	2	103	85	0	2
700	15	0	23	0	51	0	57	0	0	2	0	2	109	5	116	96	109	0	118	101	112	0	114	111	81	0	83	79	81	2	83	79	0	2
800	15	0	15	0	13	0	25	0	0	2	0	2	48	3	175	297	44	3	97	277	58	3	85	301	35	3	71	305	35	2	71	305	0	2
900	38	0	49	0	36	0	46	0	0	2	0	2	111	0	144	64	120	0	166	68	110	0	152	75	83	0	116	46	83	2	116	46	0	2
1000	12	0	21	0	12	0	22	0	0	2	0	2	286	3	354	222	288	3	358	192	21	3	173	287	358	3	147	273	358	2	147	273	0	2
1100	20	0	38	0	20	0	31	0	0	2	0	2	333	3	43	270	332	0	42	270	13	0	70	312	350	3	41	297	350	2	41	297	0	2
1200	50	0	64	0	64	0	77	0	0	2	0	2	340	0	45	299	341	0	23	283	351	0	9	302	330	0	357	289	330	2	357	289	0	2
1300	44	0	58	0	60	0	73	0	0	2	0	2	353	0	97	285	357	0	73	287	1	0	50	303	338	0	23	291	338	2	23	291	0	2
1400	43	0	59	0	58	0	70	0	0	2	0	2	346	0	47	273	347	0	50	274	358	0	42	278	339	0	16	293	339	2	16	293	0	2
1500	49	0	62	0	77	0	86	0	0	2	0	2	349	0	48	302	352	0	57	308	358	0	46	305	339	0	21	300	339	2	21	300	0	2
1600	53	0	65	0	92	0	100	0	0	2	0	2	351	0	65	290	351	0	51	288	1	0	33	315	341	0	13	297	341	2	13	297	0	2
1700	55	0	66	0	94	0	106	0	0	2	0	2	7	0	55	305	10	0	67	312	359	0	23	325	339	0	3	306	339	2	3	306	0	2
1800	55	0	64	0	83	0	92	0	0	2	0	2	21	0	56	344	26	0	79	350	12	0	58	321	351	0	16	315	351	2	16	315	0	2
1900	57	0	70	0	89	0	103	0	0	2	0	2	36	0	63	9	44	0	75	15	38	0	50	16	13	0	22	351	13	2	22	351	0	2
2000	32	0	49	0	62	0	83	0	0	2	0	2	42	0	71	13	50	0	80	23	43	0	49	30	16	0	31	6	16	2	31	6	0	2
2100	48	0	63	0	81	0	104	0	0	2	0	2	64	0	82	52	73	0	93	62	54	0	61	48	25	0	34	20	25	2	34	20	0	2
2200	55	0	69	0	94	0	120	0	0	2	0	2	65	0	73	58	74	0	85	66	58	0	66	295	35	0	49	29	35	2	49	29	0	2
2300	52	0	62	0	86	0	95	0	0	2	0	2	82	0	102	69	93	0	116	82	116	0	252	100	78	0	94	69	78	2	94	69	0	2
2400	60	0	73	0	87	0	98	0	0	2	0	2	91	0	103	80	101	0	116	93	124	0	127	121	93	0	95	91	93	2	95	91	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	410	0	408	0	469	0	471	0	320	2	320	2	61	0	65	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
200	430	0	428	0	487	0	487	0	320	2	320	2	59	0	59	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
300	414	0	414	0	473	0	471	0	320	2	320	2	59	0	59	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
400	417	0	415	0	462	0	462	0	320	2	320	2	45	0	49	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
500	406	0	405	0	464	0	466	0	320	2	320	2	58	0	61	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
600	406	0	405	0	455	0	459	0	320	2	320	2	49	0	54	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
700	397	0	397	0	464	0	473	0	320	2	320	2	65	0	76	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
800	457	0	457	0	466	0	496	0	320	2	320	2	7	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
900	487	0	486	0	484	0	511	0	320	2	320	2	-4	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1000	498	0	495	0	496	0	534	0	320	2	320	2	-2	0	43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1100	534	0	532	0	522	0	545	0	320	2	320	2	-13	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1200	500	0	500	0	498	0	513	0	320	2	320	2	0	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1300	523	0	523	0	513	0	522	0	320	2	320	2	-11	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1400	541	0	543	0	534	0	536	0	320	2	320	2	-7	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1500	527	0	529	0	534	0	529	0	320	2	320	2	5	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	108	0
1600	518	0	520	0	531	0	522	0	320	2	320	2	9	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1700	520	0	520	0	543	0	541	0	320	2	320	2	25	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1800	513	0	511	0	532	0	527	0	320	2	320	2	18	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1900	498	0	496	0	504	0	504	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
2000	484	0	484	0	496	0	496	0	320	2	320	2	13	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
2100	473	0	471	0	493	0	491	0	320	2	320	2	22	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2200	464	0	464	0	504	0	498	0	320	2	320	2	36	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2300	460	0	460	0	503	0	502	0	320	2	320	2	41	0	45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2400	454	0	462	0	502	0	500	0	320	2	320	2	40	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION. TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	64	0	81	0	123	0	131	0	0	2	0	2	121	0	142	112	134	0	149	123	138	0	142	134	106	0	112	102	106	2	112	102	0	2
200	73	0	90	0	141	0	146	0	0	2	0	2	121	0	130	111	135	0	148	126	135	0	138	105	104	0	106	86	104	2	106	86	0	2
300	86	0	106	0	155	0	162	0	0	2	0	2	121	0	133	112	135	0	149	124	135	0	139	130	104	0	107	98	104	2	107	98	0	2
400	70	0	109	0	139	0	156	0	0	2	0	2	122	0	134	111	135	0	147	125	130	0	135	124	99	0	104	96	99	2	104	96	0	2
500	92	0	110	0	150	0	163	0	0	2	0	2	117	0	130	103	129	0	145	117	127	0	131	122	96	0	102	92	96	2	102	92	0	2
600	91	0	106	0	134	0	154	0	0	2	0	2	116	0	128	106	130	0	141	113	132	0	138	122	102	0	107	96	102	2	107	96	0	2
700	94	0	113	0	129	0	149	0	0	2	0	2	121	0	144	98	133	0	154	105	133	0	231	118	102	0	120	91	102	2	120	91	0	2
800	104	0	132	0	147	0	163	0	0	2	0	2	131	0	155	100	136	0	164	108	135	0	233	114	103	0	125	92	103	2	125	92	0	2
900	94	0	122	0	128	0	140	0	0	2	0	2	133	0	169	118	137	0	163	119	138	0	153	122	106	0	126	92	106	2	126	92	0	2
1000	74	0	93	0	103	0	116	0	0	2	0	2	128	0	160	98	133	0	167	100	135	0	151	109	104	0	123	79	104	2	123	79	0	2
1100	54	0	68	0	60	0	73	0	0	2	0	2	123	0	167	90	127	0	173	52	131	0	247	93	115	0	152	86	115	2	152	86	0	2
1200	30	0	44	0	27	0	39	0	0	2	0	2	305	0	357	251	307	0	353	255	306	0	350	283	291	0	337	251	291	2	337	251	0	2
1300	38	0	52	0	55	0	70	0	0	2	0	2	320	0	29	275	321	0	357	234	323	0	1	291	308	0	332	264	308	2	332	264	0	2
1400	35	0	51	0	59	0	71	0	0	2	0	2	332	0	42	278	333	0	11	274	335	0	1	320	318	0	334	307	318	2	334	307	0	2
1500	29	0	44	0	56	0	68	0	0	2	0	2	327	3	40	284	328	0	41	278	333	0	5	316	316	0	336	306	316	2	336	306	0	2
1600	33	0	47	0	52	0	64	0	0	2	0	2	330	0	17	273	331	0	19	271	336	0	5	312	320	0	338	304	320	2	338	304	0	2
1700	29	0	43	0	45	0	56	0	0	2	0	2	350	3	55	275	355	0	47	292	357	0	50	293	338	0	20	280	338	2	20	280	0	2
1800	36	0	48	0	62	0	73	0	0	2	0	2	7	0	58	301	13	0	112	304	356	0	50	320	335	0	357	299	335	2	357	299	0	2
1900	25	0	41	0	67	0	74	0	0	2	0	2	47	3	100	8	54	0	96	10	26	0	50	11	3	0	30	351	3	2	30	351	0	2
2000	47	0	58	0	53	0	67	0	0	2	0	2	86	0	106	73	96	0	108	79	65	0	72	52	36	0	43	21	36	2	43	21	0	2
2100	54	0	64	0	71	0	79	0	0	2	0	2	91	0	98	82	101	0	110	94	79	0	81	76	50	0	52	47	50	2	52	47	0	2
2200	53	0	64	0	75	0	84	0	0	2	0	2	98	0	103	89	108	0	115	96	84	0	87	80	54	0	58	51	54	2	58	51	0	2
2300	63	0	74	0	86	0	98	0	0	2	0	2	102	0	108	98	113	0	118	109	92	0	94	91	62	0	64	61	62	2	64	61	0	2
2400	73	0	83	0	123	0	129	0	0	2	0	2	114	0	125	107	125	0	135	118	104	0	110	98	74	0	80	69	74	2	80	69	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	451	0	450	0	491	0	489	0	320	2	320	2	40	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
200	450	0	446	0	473	0	471	0	320	2	320	2	25	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
300	442	0	441	0	464	0	462	0	320	2	320	2	23	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
400	435	0	435	0	446	0	444	0	320	2	320	2	13	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
500	423	0	421	0	428	0	424	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
600	406	0	405	0	412	0	408	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
700	403	0	401	0	399	0	401	0	320	2	320	2	-4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
800	421	0	423	0	412	0	419	0	320	2	320	2	-11	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
900	450	0	448	0	439	0	453	0	320	2	320	2	-11	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1000	491	0	489	0	477	0	491	0	320	2	320	2	-14	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1100	541	0	543	0	527	0	540	0	320	2	320	2	-18	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1200	545	0	541	0	536	0	549	0	320	2	320	2	-9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1300	541	0	540	0	520	0	525	0	320	2	320	2	-22	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1400	559	0	559	0	534	0	534	0	320	2	320	2	-23	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1500	577	0	574	0	556	0	552	0	320	2	320	2	-20	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1600	576	0	574	0	568	0	565	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1700	577	0	577	0	590	0	586	0	320	2	320	2	14	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1800	550	0	550	0	565	0	563	0	320	2	320	2	14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1900	525	0	523	0	541	0	541	0	320	2	320	2	18	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
2000	520	0	518	0	547	0	547	0	320	2	320	2	29	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
2100	516	0	514	0	556	0	554	0	320	2	320	2	41	0	43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
2200	518	0	516	0	558	0	556	0	320	2	320	2	41	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
2300	520	0	520	0	563	0	561	0	320	2	320	2	43	0	45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
2400	520	0	518	0	563	0	563	0	320	2	320	2	45	0	49	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	67	0	77	0	115	0	123	0	0	2	0	2	110	0	115	106	122	0	124	118	121	0	125	119	90	0	94	87	90	2	94	87	0	2
200	79	0	93	0	126	0	146	0	0	2	0	2	126	0	135	115	136	0	142	128	130	0	133	127	99	0	102	96	99	2	102	96	0	2
300	74	0	88	0	128	0	139	0	0	2	0	2	123	0	132	112	135	0	162	124	135	0	238	131	103	0	127	101	103	2	127	101	0	2
400	56	0	74	0	123	0	133	0	0	2	0	2	127	0	141	113	141	0	153	124	139	0	141	137	108	0	111	106	108	2	111	106	0	2
500	31	0	46	0	89	0	102	0	0	2	0	2	146	0	195	118	150	0	189	120	149	0	153	144	117	0	122	114	117	2	122	114	0	2
600	40	0	52	0	41	0	46	0	0	2	0	2	161	0	319	138	166	0	316	145	189	0	268	165	177	0	262	153	177	2	262	153	0	2
700	49	0	60	0	91	0	100	0	0	2	0	2	25	0	54	339	32	0	75	356	7	0	25	337	346	0	359	335	346	2	359	335	0	2
800	74	0	85	0	112	0	124	0	0	2	0	2	13	0	167	296	16	0	64	289	3	0	62	320	341	0	25	294	341	2	25	294	0	2
900	107	0	114	0	143	0	151	0	0	2	0	2	15	0	63	325	19	0	54	317	9	0	39	342	348	0	18	333	348	2	18	333	0	2
1000	116	0	128	0	146	0	153	0	0	2	0	2	21	0	52	346	27	0	61	1	9	0	32	316	348	0	10	314	348	2	10	314	0	2
1100	95	0	108	0	128	0	142	0	0	2	0	2	18	0	52	323	22	0	58	334	2	0	35	322	341	0	20	290	341	2	20	290	0	2
1200	79	0	89	0	118	0	130	0	0	2	0	2	12	0	106	298	17	0	170	307	353	0	37	305	334	0	10	285	334	2	10	285	0	2
1300	70	0	82	0	121	0	133	0	0	2	0	2	11	0	80	306	14	0	57	298	355	0	55	314	336	0	9	301	336	2	9	301	0	2
1400	62	0	74	0	121	0	133	0	0	2	0	2	1	0	134	272	11	0	71	296	356	0	47	309	337	0	20	279	337	2	20	279	0	2
1500	84	0	95	0	147	0	159	0	0	2	0	2	6	0	77	301	15	0	148	302	355	0	50	303	336	0	43	280	336	2	43	280	0	2
1600	68	0	85	0	109	0	121	0	0	2	0	2	16	0	118	280	17	0	71	327	358	0	78	286	337	0	24	277	337	2	24	277	0	2
1700	106	0	118	0	141	0	154	0	0	2	0	2	21	0	60	324	25	0	67	328	2	0	41	316	341	0	4	290	341	2	4	290	0	2
1800	130	0	140	0	156	0	166	0	0	2	0	2	24	0	61	352	28	0	68	345	11	0	39	346	348	0	14	319	348	2	14	319	0	2
1900	112	0	124	0	155	0	165	0	0	2	0	2	18	0	63	331	24	0	68	329	9	0	40	337	347	0	11	303	347	2	11	303	0	2
2000	118	0	130	0	151	0	160	0	0	2	0	2	28	0	58	351	34	0	62	359	14	0	48	335	351	0	20	314	351	2	20	314	0	2
2100	143	0	154	0	175	0	186	0	0	2	0	2	28	0	53	350	34	0	61	1	25	0	54	1	2	0	34	341	2	2	34	341	0	2
2200	126	0	137	0	168	0	178	0	0	2	0	2	25	0	71	1	30	0	62	359	21	0	45	353	357	0	15	335	357	2	15	335	0	2
2300	98	0	109	0	131	0	141	0	0	2	0	2	27	0	78	346	32	0	79	350	23	0	63	346	359	0	26	338	359	2	26	338	0	2
2400	86	0	103	0	118	0	137	0	0	2	0	2	45	0	78	2	53	0	95	1	45	0	71	22	17	0	39	354	17	2	39	354	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	DT 1 180A	S	DT 2 180B	S	DT 3	S	DT 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	507	0	505	0	552	0	552	0	320	2	320	2	47	0	49	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
200	502	0	500	0	529	0	527	0	320	2	320	2	29	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
300	493	0	493	0	525	0	522	0	320	2	320	2	31	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
400	480	0	478	0	516	0	514	0	320	2	320	2	38	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
500	473	0	471	0	505	0	504	0	320	2	320	2	36	0	36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
600	482	0	480	0	525	0	523	0	320	2	320	2	45	0	47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
700	455	0	451	0	477	0	478	0	320	2	320	2	22	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
800	432	0	432	0	417	0	415	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
900	397	0	397	0	388	0	388	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1000	397	0	396	0	388	0	390	0	320	2	320	2	-7	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1100	399	0	397	0	390	0	390	0	320	2	320	2	-7	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1200	397	0	397	0	387	0	387	0	320	2	320	2	-9	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1300	397	0	397	0	385	0	385	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1400	394	0	394	0	379	0	379	0	320	2	320	2	-13	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1500	387	0	385	0	376	0	374	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1600	388	0	388	0	379	0	379	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1700	379	0	379	0	370	0	369	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1800	376	0	374	0	367	0	365	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1900	376	0	376	0	367	0	365	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2000	379	0	376	0	370	0	367	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2100	383	0	381	0	376	0	372	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2200	385	0	383	0	376	0	374	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2300	390	0	387	0	383	0	381	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2400	415	0	414	0	414	0	412	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	61	0	78	0	99	0	122	0	0	2	0	2	49	0	96	19	56	0	90	20	46	0	72	21	20	0	42	358	20	2	42	358	0	2
200	53	0	66	0	100	0	110	0	0	2	0	2	28	0	55	355	30	0	62	2	33	0	52	18	9	0	19	349	9	2	19	349	0	2
300	52	0	74	0	100	0	122	0	0	2	0	2	46	0	70	24	53	0	70	23	53	0	62	45	24	0	35	19	24	2	35	19	0	2
400	65	0	88	0	113	0	145	0	0	2	0	2	52	0	77	34	60	0	84	42	61	0	69	54	32	0	42	23	32	2	42	23	0	2
500	51	0	64	0	76	0	97	0	0	2	0	2	34	0	59	3	41	0	73	7	44	0	67	26	18	0	32	359	18	2	32	359	0	2
600	57	0	74	0	90	0	115	0	0	2	0	2	44	0	77	19	51	0	88	19	49	0	70	27	23	0	40	5	23	2	40	5	0	2
700	42	0	59	0	69	0	91	0	0	2	0	2	46	0	80	19	54	0	101	7	50	0	68	321	25	0	48	357	25	2	48	357	0	2
800	56	0	69	0	69	0	81	0	0	2	0	2	28	0	64	359	35	0	84	12	36	0	81	337	10	0	44	336	10	2	44	336	0	2
900	29	0	41	0	43	0	56	0	0	2	0	2	19	3	74	279	29	0	86	289	17	0	79	321	356	0	79	299	356	2	79	299	0	2
1000	37	0	46	0	49	0	61	0	0	2	0	2	6	0	118	282	12	0	90	281	10	0	56	293	350	0	36	295	350	2	36	295	0	2
1100	84	0	99	0	113	0	125	0	0	2	0	2	20	0	58	313	26	0	61	336	14	0	43	339	354	0	22	332	354	2	22	332	0	2
1200	96	0	113	0	139	0	150	0	0	2	0	2	16	0	56	315	21	0	70	344	12	0	42	336	350	0	18	304	350	2	18	304	0	2
1300	115	0	129	0	150	0	155	0	0	2	0	2	17	0	47	338	22	0	59	345	16	0	55	349	353	0	25	325	353	2	25	325	0	2
1400	80	0	94	0	135	0	148	0	0	2	0	2	14	0	62	306	17	0	66	313	0	0	56	307	340	0	14	294	340	2	14	294	0	2
1500	108	0	122	0	141	0	153	0	0	2	0	2	23	0	64	324	28	0	63	321	3	0	38	309	341	0	20	294	341	2	20	294	0	2
1600	142	0	150	0	186	0	194	0	0	2	0	2	14	0	52	346	20	0	51	332	9	0	46	343	348	0	29	328	348	2	29	328	0	2
1700	102	0	114	0	137	0	149	0	0	2	0	2	18	0	74	343	22	0	77	328	5	0	31	316	344	0	31	301	344	2	31	301	0	2
1800	127	0	135	0	156	0	165	0	0	2	0	2	19	0	48	332	23	0	64	349	10	0	34	335	348	0	23	319	348	2	23	319	0	2
1900	105	0	115	0	155	0	161	0	0	2	0	2	22	0	52	352	27	0	72	332	14	0	46	351	353	0	15	332	353	2	15	332	0	2
2000	110	0	121	0	148	0	159	0	0	2	0	2	28	0	63	350	33	0	73	346	23	0	52	355	359	0	23	339	359	2	23	339	0	2
2100	111	0	124	0	156	0	167	0	0	2	0	2	34	0	58	11	41	0	71	11	30	0	51	353	5	0	24	343	5	2	24	343	0	2
2200	63	0	83	0	102	0	132	0	0	2	0	2	45	0	62	26	53	0	73	32	48	0	56	39	20	0	26	13	20	2	26	13	0	2
2300	57	0	73	0	117	0	146	0	0	2	0	2	41	0	80	13	47	0	97	12	53	0	65	33	25	0	41	11	25	2	41	11	0	2
2400	70	0	92	0	132	0	167	0	0	2	0	2	55	0	85	36	62	0	86	45	58	0	67	48	30	0	38	20	30	2	38	20	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	426	0	424	0	430	0	428	0	320	2	320	2	5	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
200	421	0	419	0	432	0	428	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
300	435	0	433	0	451	0	446	0	320	2	320	2	16	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
400	446	0	444	0	468	0	464	0	320	2	320	2	22	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	460	0	459	0	462	0	460	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
700	444	0	442	0	453	0	448	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
800	439	0	437	0	437	0	437	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
900	462	0	464	0	453	0	462	0	320	2	320	2	-9	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1000	471	0	475	0	466	0	475	0	320	2	320	2	-9	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1100	426	0	428	0	428	0	421	0	320	2	320	2	-2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1200	437	0	437	0	433	0	437	0	320	2	320	2	-4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1300	455	0	455	0	451	0	457	0	320	2	320	2	-2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1400	433	0	433	0	423	0	423	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1500	417	0	417	0	412	0	412	0	320	2	320	2	-4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1600	406	0	406	0	403	0	399	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1700	403	0	403	0	403	0	397	0	320	2	320	2	-2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1800	397	0	396	0	394	0	392	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1900	399	0	397	0	396	0	392	0	320	2	320	2	-2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2000	406	0	403	0	403	0	399	0	320	2	320	2	-2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2100	423	0	421	0	424	0	423	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2200	435	0	433	0	464	0	462	0	320	2	320	2	31	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2300	448	0	444	0	504	0	502	0	320	2	320	2	56	0	58	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2400	497	0	453	0	498	0	495	0	320	2	320	2	41	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	90	0	105	0	134	0	157	0	0	2	0	2	68	0	95	43	74	0	112	49	64	0	84	46	37	0	55	17	37	2	55	17	0	2
200	86	0	98	0	135	0	143	0	0	2	0	2	71	0	94	43	80	0	99	55	71	0	83	60	43	0	53	26	43	2	53	26	0	2
300	98	0	105	0	146	0	153	0	0	2	0	2	80	0	104	60	90	0	125	65	81	0	88	73	53	0	58	43	53	2	58	43	0	2
400	69	0	85	0	115	0	132	0	0	2	0	2	63	0	79	44	71	0	90	46	67	0	80	55	39	0	52	25	39	2	52	25	0	2
500	79	0	98	0	112	0	139	0	0	2	0	2	62	0	92	30	70	0	103	46	62	0	79	51	35	0	48	7	35	2	48	7	0	2
600	93	0	102	0	134	0	141	0	0	2	0	2	76	0	114	48	84	0	112	64	75	0	92	58	47	0	63	33	47	2	63	33	0	2
700	68	0	91	0	100	0	126	0	0	2	0	2	61	0	85	36	68	0	102	39	59	0	72	296	33	0	49	20	33	2	49	20	0	2
800	73	0	91	0	87	0	103	0	0	2	0	2	65	0	99	23	74	0	101	38	64	0	86	295	38	0	64	19	38	2	64	19	0	2
900	66	0	86	0	70	0	91	0	0	2	0	2	58	0	91	24	68	0	98	29	58	0	74	347	31	0	56	15	31	2	56	15	0	2
1000	36	0	50	0	53	0	64	0	0	2	0	2	347	0	34	284	347	0	58	283	7	0	47	312	347	0	34	314	347	2	34	314	0	2
1100	81	0	102	0	108	0	124	0	0	2	0	2	22	0	78	323	29	0	97	339	1	0	38	319	343	0	17	279	343	2	17	279	0	2
1200	80	0	95	0	112	0	125	0	0	2	0	2	17	0	74	315	22	0	82	325	359	0	29	298	338	0	11	290	338	2	11	290	0	2
1300	66	0	86	0	90	0	105	0	0	2	0	2	16	0	162	295	14	0	72	310	356	0	61	275	336	0	42	274	336	2	42	274	0	2
1400	94	0	109	0	138	0	156	0	0	2	0	2	10	0	63	305	16	0	85	326	359	0	45	321	338	0	16	296	338	2	16	296	0	2
1500	81	0	96	0	118	0	130	0	0	2	0	2	15	0	101	315	21	0	92	308	357	0	35	308	335	0	15	284	335	2	15	284	0	2
1600	87	0	102	0	133	0	145	0	0	2	0	2	14	0	66	323	22	0	64	327	357	0	34	317	337	0	2	285	337	2	2	285	0	2
1700	93	0	106	0	122	0	132	0	0	2	0	2	18	0	93	288	22	0	88	327	1	0	33	321	341	0	20	291	341	2	20	291	0	2
1800	74	0	85	0	106	0	116	0	0	2	0	2	18	0	61	339	23	0	62	324	14	0	58	327	352	0	25	317	352	2	25	317	0	2
1900	63	0	75	0	91	0	101	0	0	2	0	2	25	0	58	353	33	0	79	335	19	0	41	335	356	0	18	323	356	2	18	323	0	2
2000	59	0	72	0	107	0	117	0	0	2	0	2	19	0	82	327	22	0	95	337	6	0	32	337	345	0	29	322	345	2	29	322	0	2
2100	32	0	44	0	67	0	76	0	0	2	0	2	20	0	69	340	19	0	58	338	14	0	37	337	352	0	11	328	352	2	11	328	0	2
2200	30	0	43	0	60	0	70	0	0	2	0	2	13	3	54	342	15	0	49	353	12	0	25	355	350	0	0	334	350	2	0	334	0	2
2300	25	0	41	0	54	0	64	0	0	2	0	2	340	0	9	324	341	0	17	321	24	0	36	8	0	0	11	343	0	2	11	343	0	2
2400	12	0	12	0	31	0	47	0	0	2	0	2	315	0	20	273	317	3	19	280	51	0	58	46	22	0	27	19	22	2	27	19	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	473	0	471	0	482	0	480	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
200	464	0	462	0	469	0	468	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
300	453	0	451	0	464	0	460	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
400	437	0	435	0	446	0	442	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
500	428	0	426	0	433	0	430	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
600	419	0	417	0	419	0	415	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
700	419	0	417	0	419	0	421	0	320	2	320	2	0	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
800	444	0	444	0	435	0	450	0	320	2	320	2	-11	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
900	478	0	478	0	466	0	487	0	320	2	320	2	-11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1000	468	0	469	0	462	0	480	0	320	2	320	2	-5	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1100	439	0	442	0	430	0	439	0	320	2	320	2	-13	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1200	444	0	448	0	437	0	441	0	320	2	320	2	-11	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1300	451	0	462	0	451	0	444	0	320	2	320	2	-11	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1400	453	0	455	0	444	0	442	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1500	450	0	451	0	448	0	442	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1600	428	0	428	0	426	0	423	0	320	2	320	2	0	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1700	414	0	414	0	419	0	417	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1800	415	0	415	0	424	0	423	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
1900	410	0	408	0	414	0	412	0	320	2	320	2	4	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2000	394	0	392	0	392	0	390	0	320	2	320	2	-2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2100	392	0	388	0	394	0	394	0	320	2	320	2	4	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2200	388	0	387	0	394	0	392	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2300	390	0	388	0	423	0	423	0	320	2	320	2	32	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
2400	381	0	379	0	453	0	453	0	320	2	320	2	74	0	76	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	41	0	58	0	28	0	38	0	0	2	0	2	268	0	293	245	269	0	290	251	282	0	348	253	269	0	349	247	269	2	349	247	0	2
200	37	0	53	0	41	0	56	0	0	2	0	2	294	0	316	262	296	0	317	269	280	0	298	259	265	0	285	243	265	2	285	243	0	2
300	19	0	35	0	24	0	36	0	0	2	0	2	291	0	315	274	293	0	309	270	263	0	277	244	248	0	262	225	248	2	262	225	0	2
400	21	0	35	0	26	0	40	0	0	2	0	2	302	0	328	252	304	0	321	269	277	0	298	253	262	0	282	244	262	2	282	244	0	2
500	36	0	52	0	43	0	57	0	0	2	0	2	300	0	319	288	303	0	322	282	298	0	309	288	282	0	293	271	282	2	293	271	0	2
600	45	0	60	0	63	0	77	0	0	2	0	2	298	0	308	291	300	0	322	283	304	0	310	297	288	0	301	283	288	2	301	283	0	2
700	9	0	22	0	64	0	75	0	0	2	0	2	10	3	61	332	14	3	63	328	355	0	1	351	333	0	339	331	333	2	339	331	0	2
800	14	0	14	0	17	0	26	0	0	2	0	2	353	3	121	273	359	3	169	279	347	3	50	289	329	3	43	272	329	2	43	272	0	2
900	15	0	15	0	13	0	13	0	0	2	0	2	272	0	331	232	272	3	349	200	194	0	250	141	179	0	244	119	179	2	244	119	0	2
1000	28	0	42	0	39	0	44	0	0	2	0	2	253	0	294	190	257	0	292	210	227	0	248	189	212	0	243	180	212	2	243	180	0	2
1100	47	0	64	0	49	0	57	0	0	2	0	2	263	0	294	225	265	0	303	224	242	0	258	217	226	0	249	189	226	2	249	189	0	2
1200	64	0	73	0	81	0	86	0	0	2	0	2	251	0	297	219	256	0	304	226	246	0	257	224	230	0	251	214	230	2	251	214	0	2
1300	61	0	66	0	80	0	87	0	0	2	0	2	241	0	271	203	242	0	282	203	239	0	253	219	222	0	248	209	222	2	248	209	0	2
1400	66	0	71	0	65	0	69	0	0	2	0	2	243	0	294	210	246	0	282	211	235	0	259	207	217	0	254	180	217	2	254	180	0	2
1500	61	0	65	0	84	0	85	0	0	2	0	2	244	0	276	221	245	0	288	204	248	0	259	225	231	0	244	218	231	2	244	218	0	2
1600	49	0	57	0	60	0	66	0	0	2	0	2	246	0	300	213	249	0	283	212	246	0	271	232	231	0	262	214	231	2	262	214	0	2
1700	72	0	68	0	93	0	90	0	0	2	0	2	238	0	291	201	238	0	268	207	231	0	264	204	215	0	241	192	215	2	241	192	0	2
1800	52	0	54	0	82	0	83	0	0	2	0	2	228	0	268	157	234	0	275	192	222	0	243	193	205	0	230	177	205	2	230	177	0	2
1900	23	0	38	0	71	0	74	0	0	2	0	2	187	0	240	146	188	0	229	128	189	0	202	172	175	0	187	155	175	2	187	155	0	2
2000	39	0	53	0	104	0	104	0	0	2	0	2	181	0	235	128	183	0	224	123	184	0	198	171	169	0	180	154	169	2	180	154	0	2
2100	44	0	55	0	111	0	110	0	0	2	0	2	187	0	263	118	193	0	251	128	191	0	221	172	176	0	194	163	176	2	194	163	0	2
2200	143	0	153	0	180	0	179	0	0	2	0	2	272	0	311	239	272	0	305	237	271	0	335	240	255	0	281	222	255	2	281	222	0	2
2300	53	0	70	0	84	0	97	0	0	2	0	2	288	0	337	237	290	0	341	227	302	0	334	254	285	0	315	259	285	2	315	259	0	2
2400	38	0	52	0	83	0	92	0	0	2	0	2	352	0	35	311	354	0	48	296	12	0	28	352	345	0	1	335	345	2	1	335	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	394	0	394	0	435	0	435	0	320	2	320	2	41	0	43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
200	383	0	383	0	394	0	392	0	320	2	320	2	11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
300	383	0	383	0	417	0	423	0	320	2	320	2	34	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
400	381	0	379	0	406	0	406	0	320	2	320	2	25	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
500	387	0	385	0	397	0	397	0	320	2	320	2	13	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
600	390	0	390	0	421	0	419	0	320	2	320	2	29	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
700	403	0	401	0	437	0	444	0	320	2	320	2	34	0	45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
800	455	0	455	0	455	0	473	0	320	2	320	2	0	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	111	0
900	505	0	504	0	504	0	549	0	320	2	320	2	2	0	47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1000	487	0	487	0	487	0	507	0	320	2	320	2	2	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1100	505	0	502	0	491	0	504	0	320	2	320	2	-14	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	110	0
1200	531	0	531	0	532	0	529	0	320	2	320	2	-4	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1300	585	0	579	0	558	0	561	0	320	2	320	2	-27	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1400	610	0	604	0	597	0	594	0	320	2	320	2	-13	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1500	622	0	619	0	613	0	604	0	320	2	320	2	-11	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1600	649	0	646	0	648	0	640	0	320	2	320	2	-2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1700	660	0	657	0	655	0	646	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1800	649	0	648	0	644	0	642	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
1700	644	0	642	0	648	0	644	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
2000	630	0	628	0	635	0	631	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
2100	621	0	619	0	626	0	622	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
2200	594	0	590	0	581	0	574	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
2300	507	0	505	0	502	0	500	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
2400	480	0	478	0	480	0	468	0	320	2	320	2	2	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	37	0	50	0	49	0	61	0	0	2	0	2	302	0	351	275	301	0	325	262	294	0	316	267	277	0	304	255	277	2	304	255	0	2
200	123	0	139	0	178	0	197	0	0	2	0	2	286	0	317	237	285	0	312	245	286	0	317	256	268	0	299	238	268	2	299	238	0	2
300	67	0	79	0	99	0	114	0	0	2	0	2	253	0	284	215	257	0	295	212	259	0	278	226	242	0	270	205	242	2	270	205	0	2
400	127	0	140	0	195	0	227	0	0	2	0	2	262	0	296	190	265	0	298	237	263	0	283	244	245	0	263	227	245	2	263	227	0	2
500	138	0	151	0	188	0	200	0	0	2	0	2	312	0	351	278	313	0	344	274	315	0	338	287	297	0	312	268	297	2	312	268	0	2
600	126	0	136	0	170	0	187	0	0	2	0	2	333	0	24	291	332	0	6	280	331	0	356	307	312	0	330	296	312	2	330	296	0	2
700	138	0	153	0	204	0	223	0	0	2	0	2	332	0	14	289	334	0	14	291	331	0	358	317	311	0	334	301	311	2	334	301	0	2
800	120	0	142	0	163	0	189	0	0	2	0	2	331	0	7	274	333	0	4	285	324	0	342	288	304	0	329	266	304	2	329	266	0	2
900	98	0	112	0	148	0	156	0	0	2	0	2	349	0	106	292	349	0	135	292	344	0	39	299	323	0	4	279	323	2	4	279	0	2
1000	96	0	110	0	159	0	168	0	0	2	0	2	352	0	75	296	351	0	82	275	348	0	48	312	327	0	356	291	327	2	356	291	0	2
1100	89	0	99	0	133	0	144	0	0	2	0	2	355	0	64	279	2	0	60	277	349	0	58	320	329	0	11	293	329	2	11	293	0	2
1200	100	0	113	0	148	0	156	0	0	2	0	2	347	0	62	297	348	0	55	294	348	0	63	282	327	0	15	284	327	2	15	284	0	2
1300	100	0	108	0	142	0	154	0	0	2	0	2	344	0	70	291	345	0	88	281	346	0	52	302	327	0	26	280	327	2	26	280	0	2
1400	59	0	73	0	89	0	97	0	0	2	0	2	4	0	75	270	12	0	87	304	1	0	126	297	334	0	18	291	334	2	18	291	0	2
1500	64	0	80	0	90	0	99	0	0	2	0	2	17	0	114	294	22	0	100	283	0	0	53	280	342	0	67	295	342	2	67	295	0	2
1600	57	0	72	0	69	0	79	0	0	2	0	2	23	0	86	329	28	0	86	335	10	0	72	313	349	0	26	310	349	2	26	310	0	2
1700	33	0	45	0	36	0	44	0	0	2	0	2	355	0	137	276	2	0	171	307	7	0	135	270	342	0	87	281	342	2	87	281	0	2
1800	32	0	47	0	46	0	60	0	0	2	0	2	43	0	88	345	49	0	100	7	39	0	77	354	12	0	65	330	12	2	65	330	0	2
1900	40	0	58	0	49	0	65	0	0	2	0	2	47	0	88	9	55	0	96	17	52	0	86	15	23	0	49	355	23	2	49	355	0	2
2000	48	0	62	0	58	0	68	0	0	2	0	2	75	0	94	47	82	0	112	55	70	0	86	50	40	0	57	15	40	2	57	15	0	2
2100	32	0	47	0	42	0	52	0	0	2	0	2	77	0	129	34	86	0	147	47	78	0	96	56	48	0	68	17	48	2	68	17	0	2
2200	26	0	40	0	31	0	42	0	0	2	0	2	76	3	94	55	83	0	104	51	75	0	103	51	46	0	61	28	46	2	61	28	0	2
2300	17	0	30	0	21	0	31	0	0	2	0	2	90	3	119	59	97	3	131	78	88	0	127	60	58	3	96	32	58	2	96	32	0	2
2400	16	0	32	0	26	0	37	0	0	2	0	2	132	0	163	112	137	0	157	107	131	0	146	114	97	3	110	83	97	2	110	83	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	450	0	448	0	444	0	442	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	112	0
200	453	0	451	0	448	0	444	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	116	0
300	446	0	444	0	444	0	441	0	320	2	320	2	0	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
400	441	0	441	0	448	0	442	0	320	2	320	2	9	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
500	397	0	396	0	387	0	385	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
600	383	0	381	0	376	0	374	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
700	394	0	392	0	387	0	387	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
800	387	0	385	0	379	0	381	0	320	2	320	2	-5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
900	387	0	387	0	379	0	385	0	320	2	320	2	-7	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1000	388	0	388	0	383	0	379	0	320	2	320	2	-9	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1100	385	0	387	0	376	0	378	0	320	2	320	2	-9	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1200	390	0	390	0	376	0	383	0	320	2	320	2	-14	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1300	397	0	399	0	387	0	383	0	320	2	320	2	-16	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1400	406	0	408	0	401	0	396	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1500	399	0	403	0	406	0	392	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1600	394	0	396	0	405	0	397	0	320	2	320	2	9	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1700	397	0	397	0	388	0	383	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1800	383	0	383	0	374	0	372	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1900	379	0	378	0	370	0	369	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
2000	374	0	374	0	367	0	363	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
2100	372	0	370	0	365	0	361	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
2200	370	0	369	0	363	0	361	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
2300	369	0	367	0	361	0	360	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
2400	369	0	367	0	361	0	360	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	17	0	17	0	9	0	20	0	0	2	0	2	125	0	159	96	126	0	167	96	119	0	144	80	84	3	110	57	84	2	110	57	0	2
200	27	0	27	0	29	0	29	0	0	2	0	2	243	0	357	181	248	0	353	184	275	0	355	202	261	0	343	183	261	2	343	183	0	2
300	85	0	99	0	119	0	134	0	0	2	0	2	331	0	2	290	332	0	12	273	327	0	347	292	310	0	331	281	310	2	331	281	0	2
400	132	0	148	0	181	0	197	0	0	2	0	2	335	0	0	302	333	0	5	283	334	0	4	302	316	0	338	283	316	2	338	283	0	2
500	100	0	111	0	144	0	157	0	0	2	0	2	341	0	11	302	342	0	22	290	340	0	0	321	321	0	349	293	321	2	349	293	0	2
600	87	0	100	0	139	0	152	0	0	2	0	2	357	0	72	298	356	0	64	305	348	0	24	281	328	0	16	290	328	2	16	290	0	2
700	139	0	151	0	192	0	205	0	0	2	0	2	337	0	16	290	338	0	32	296	336	0	5	311	318	0	353	295	318	2	353	295	0	2
800	118	0	138	0	166	0	187	0	0	2	0	2	335	0	9	292	334	0	8	294	330	0	4	293	311	0	335	274	311	2	335	274	0	2
900	117	0	135	0	175	0	190	0	0	2	0	2	323	0	20	272	327	0	24	290	325	0	352	298	307	0	333	273	307	2	333	273	0	2
1000	123	0	136	0	166	0	187	0	0	2	0	2	328	0	2	278	328	0	13	290	326	0	349	302	309	0	332	286	309	2	332	286	0	2
1100	119	0	128	0	168	0	180	0	0	2	0	2	309	0	352	260	313	0	25	270	315	0	350	292	298	0	328	271	298	2	328	271	0	2
1200	138	0	154	0	178	0	191	0	0	2	0	2	309	0	336	274	309	0	332	266	311	0	345	297	294	0	319	275	294	2	319	275	0	2
1300	95	0	106	0	137	0	142	0	0	2	0	2	303	0	341	267	305	0	346	275	305	0	343	290	291	0	329	266	291	2	329	266	0	2
1400	64	0	76	0	91	0	104	0	0	2	0	2	307	0	39	277	303	0	350	247	304	0	344	286	287	0	315	257	287	2	315	257	0	2
1500	67	0	83	0	85	0	98	0	0	2	0	2	334	0	10	279	336	0	17	300	337	0	5	312	319	0	340	297	319	2	340	297	0	2
1600	65	0	77	0	79	0	91	0	0	2	0	2	336	0	50	275	336	0	37	277	339	0	5	300	322	0	4	287	322	2	4	287	0	2
1700	46	0	57	0	66	0	77	0	0	2	0	2	19	0	77	299	22	0	69	296	2	0	45	324	342	0	4	322	342	2	4	322	0	2
1800	39	0	53	0	58	0	68	0	0	2	0	2	346	0	67	280	345	0	57	270	342	0	32	293	323	0	5	287	323	2	5	287	0	2
1900	35	0	44	0	51	0	56	0	0	2	0	2	26	0	66	313	29	0	73	293	7	0	53	320	348	0	34	303	348	2	34	303	0	2
2000	19	0	32	0	32	0	43	0	0	2	0	2	6	3	55	306	8	0	72	316	0	0	46	320	340	0	16	309	340	2	16	309	0	2
2100	22	0	37	0	33	0	44	0	0	2	0	2	342	3	48	294	341	0	19	271	342	0	359	318	324	0	349	295	324	2	349	295	0	2
2200	43	0	57	0	62	0	73	0	0	2	0	2	299	0	334	269	302	0	328	277	302	0	320	280	286	0	302	269	286	2	302	269	0	2
2300	76	0	88	0	97	0	114	0	0	2	0	2	294	0	330	258	294	0	320	226	290	0	314	264	276	0	299	256	276	2	299	256	0	2
2400	91	0	106	0	105	0	125	0	0	2	0	2	288	0	319	246	290	0	350	257	285	0	334	248	268	0	310	238	268	2	310	238	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	363	0	363	0	358	0	358	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
200	365	0	363	0	363	0	363	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
300	370	0	369	0	361	0	360	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
400	327	0	325	0	315	0	312	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	119	0
500	338	0	336	0	333	0	333	0	320	2	320	2	-4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
600	336	0	334	0	331	0	331	0	320	2	320	2	-5	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
700	336	0	336	0	329	0	327	0	320	2	320	2	-7	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
800	342	0	342	0	336	0	338	0	320	2	320	2	-7	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
900	349	0	347	0	342	0	349	0	320	2	320	2	-11	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1000	351	0	349	0	338	0	347	0	320	2	320	2	-11	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1100	365	0	363	0	345	0	351	0	320	2	320	2	-20	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1200	361	0	360	0	338	0	343	0	320	2	320	2	-22	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1300	387	0	385	0	360	0	349	0	320	2	320	2	-32	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1400	388	0	385	0	361	0	356	0	320	2	320	2	-27	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1500	372	0	372	0	363	0	356	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1600	360	0	358	0	347	0	345	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1700	356	0	356	0	343	0	342	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1800	367	0	365	0	372	0	370	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1900	358	0	358	0	356	0	347	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2000	356	0	354	0	351	0	349	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2100	363	0	361	0	358	0	354	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2200	367	0	365	0	360	0	358	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2300	372	0	369	0	363	0	360	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2400	372	0	372	0	367	0	367	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WI DIR6	S
100	96	0	109	0	120	0	142	0	0	2	0	2	279	0	336	217	279	0	314	232	279	0	315	234	263	0	301	225	263	2	301	225	0	2
200	108	0	124	0	128	0	149	0	0	2	0	2	280	0	343	219	282	0	325	219	278	0	314	241	263	0	292	221	263	2	292	221	0	2
300	115	0	126	0	167	0	176	0	0	2	0	2	302	0	340	267	302	0	334	259	306	0	325	291	290	0	310	275	290	2	310	275	0	2
400	107	0	119	0	150	0	165	0	0	2	0	2	301	0	333	263	301	0	328	262	298	0	307	285	283	0	292	268	283	2	292	268	0	2
500	128	0	131	0	163	0	184	0	0	2	0	2	293	0	320	273	293	0	317	265	293	0	302	285	277	0	287	265	277	2	287	265	0	2
600	138	0	139	0	171	0	192	0	0	2	0	2	292	0	313	265	293	0	327	264	291	0	300	284	276	0	285	267	276	2	285	267	0	2
700	112	0	123	0	158	0	170	0	0	2	0	2	296	0	335	255	298	0	322	270	299	0	309	290	284	0	294	275	284	2	294	275	0	2
800	115	0	127	0	149	0	163	0	0	2	0	2	300	0	323	271	300	0	333	266	300	0	313	291	284	0	296	271	284	2	296	271	0	2
900	99	0	113	0	135	0	148	0	0	2	0	2	299	0	329	258	300	0	322	260	301	0	310	294	286	0	293	276	286	2	293	276	0	2
1000	68	0	83	0	90	0	100	0	0	2	0	2	304	0	353	259	305	0	350	252	308	0	328	287	294	0	321	271	294	2	321	271	0	2
1100	67	0	77	0	88	0	104	0	0	2	0	2	297	0	329	257	297	0	356	263	297	0	307	287	280	0	294	269	280	2	294	269	0	2
1200	61	0	75	0	66	0	83	0	0	2	0	2	298	0	318	279	297	0	321	249	286	0	300	258	272	0	285	248	272	2	285	248	0	2
1300	56	0	67	0	65	0	78	0	0	2	0	2	262	0	302	204	262	0	299	228	268	0	294	226	253	0	308	222	253	2	308	222	0	2
1400	60	0	74	0	63	0	72	0	0	2	0	2	267	0	308	230	265	0	326	219	252	0	279	219	236	0	276	208	236	2	276	208	0	2
1500	41	0	54	0	44	0	56	0	0	2	0	2	254	0	290	198	256	0	283	226	253	0	278	223	238	0	255	206	238	2	255	206	0	2
1600	38	0	48	0	44	0	53	0	0	2	0	2	250	0	296	214	252	0	286	215	250	0	270	227	235	0	269	207	235	2	269	207	0	2
1700	25	0	34	0	30	0	37	0	0	2	0	2	245	0	286	201	253	0	307	205	242	0	278	212	226	0	250	197	226	2	250	197	0	2
1800	45	0	49	0	56	0	59	0	0	2	0	2	238	0	305	207	237	0	265	178	230	0	264	197	216	0	246	193	216	2	246	193	0	2
1900	26	0	34	0	47	0	53	0	0	2	0	2	217	0	254	179	218	0	244	175	219	0	239	201	203	0	222	187	203	2	222	187	0	2
2000	30	0	42	0	75	0	76	0	0	2	0	2	193	0	235	165	196	0	229	167	200	0	204	192	184	0	192	177	184	2	192	177	0	2
2100	65	0	70	0	127	0	125	0	0	2	0	2	207	0	237	184	212	0	243	186	213	0	222	203	197	0	206	186	197	2	206	186	0	2
2200	91	0	87	0	150	0	140	0	0	2	0	2	228	0	257	195	232	0	266	189	227	0	239	201	211	0	236	184	211	2	236	184	0	2
2300	116	0	105	0	183	0	171	0	0	2	0	2	230	0	263	200	235	0	272	202	229	0	251	210	212	0	238	194	212	2	238	194	0	2
2400	111	0	102	0	179	0	165	0	0	2	0	2	234	0	258	191	237	0	262	204	229	0	243	215	213	0	231	185	213	2	231	185	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	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	369	0	367	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
200	385	0	383	0	376	0	374	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
300	392	0	390	0	383	0	381	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
400	396	0	394	0	387	0	385	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
500	401	0	399	0	392	0	390	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
600	394	0	392	0	388	0	385	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
700	399	0	397	0	392	0	392	0	320	2	320	2	-7	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
800	403	0	399	0	392	0	397	0	320	2	320	2	-9	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
900	414	0	412	0	396	0	408	0	320	2	320	2	-16	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1000	423	0	421	0	405	0	419	0	320	2	320	2	-16	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1100	441	0	437	0	406	0	419	0	320	2	320	2	-34	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1200	460	0	457	0	426	0	435	0	320	2	320	2	-32	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1300	468	0	460	0	439	0	442	0	320	2	320	2	-27	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1400	471	0	468	0	464	0	455	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1500	504	0	500	0	500	0	491	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1600	518	0	514	0	513	0	507	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1700	536	0	534	0	541	0	540	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1800	547	0	545	0	554	0	550	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
1900	534	0	532	0	540	0	538	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
2000	514	0	514	0	536	0	534	0	320	2	320	2	25	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
2100	514	0	514	0	543	0	540	0	320	2	320	2	31	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2200	529	0	529	0	538	0	534	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2300	531	0	531	0	536	0	534	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2400	522	0	522	0	529	0	527	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	103	0	97	0	169	0	158	0	0	2	0	2	231	0	265	190	235	0	261	192	227	0	249	206	212	0	228	187	212	2	228	187	0	2
200	97	0	94	0	169	0	164	0	0	2	0	2	232	0	269	191	231	0	266	191	226	0	244	205	210	0	228	191	210	2	228	191	0	2
300	104	0	98	0	185	0	175	0	0	2	0	2	231	0	275	185	232	0	269	179	225	0	243	200	208	0	225	183	208	2	225	183	0	2
400	106	0	106	0	173	0	165	0	0	2	0	2	232	0	272	190	235	0	275	184	224	0	254	178	208	0	227	175	208	2	227	175	0	2
500	117	0	104	0	182	0	175	0	0	2	0	2	234	0	289	192	234	0	284	194	226	0	244	202	210	0	239	181	210	2	239	181	0	2
600	121	0	112	0	184	0	178	0	0	2	0	2	232	0	274	197	237	0	283	203	226	0	251	198	210	0	234	158	210	2	234	158	0	2
700	139	0	129	0	208	0	196	0	0	2	0	2	233	0	279	188	234	0	271	191	225	0	250	192	208	0	236	180	208	2	236	180	0	2
800	135	0	122	0	201	0	190	0	0	2	0	2	234	0	276	189	237	0	275	195	225	0	251	196	208	0	245	183	208	2	245	183	0	2
900	144	0	133	0	212	0	195	0	0	2	0	2	233	0	284	191	238	0	283	195	227	0	253	202	211	0	233	179	211	2	233	179	0	2
1000	141	0	134	0	211	0	194	0	0	2	0	2	239	0	274	203	241	0	280	189	231	0	256	210	214	0	232	196	214	2	232	196	0	2
1100	164	0	149	0	237	0	219	0	0	2	0	2	238	0	280	207	240	0	294	204	229	0	258	204	213	0	239	189	213	2	239	189	0	2
1200	166	0	150	0	228	0	218	0	0	2	0	2	239	0	280	200	242	0	309	199	235	0	258	211	219	0	245	187	219	2	245	187	0	2
1300	145	0	130	0	243	0	229	0	0	2	0	2	240	0	276	187	239	0	284	202	234	0	255	196	217	0	236	184	217	2	236	184	0	2
1400	168	0	155	0	249	0	228	0	0	2	0	2	239	0	283	200	241	0	280	188	232	0	250	205	216	0	234	202	216	2	234	202	0	2
1500	177	0	163	0	280	0	264	0	0	2	0	2	241	0	276	203	243	0	283	202	234	0	250	213	217	0	238	193	217	2	238	193	0	2
1600	185	0	168	0	309	0	300	0	0	2	0	2	239	0	268	197	241	0	275	204	238	0	262	213	222	0	237	202	222	2	237	202	0	2
1700	187	0	176	0	324	0	314	0	0	2	0	2	250	0	285	207	250	0	294	202	247	0	257	240	230	0	237	222	230	2	237	222	0	2
1800	188	0	183	0	278	0	287	0	0	2	0	2	253	0	281	201	253	0	282	210	248	0	267	221	231	0	252	203	231	2	252	203	0	2
1900	160	0	161	0	280	0	286	0	0	2	0	2	18	0	59	321	13	0	68	295	359	0	46	293	335	0	22	287	335	2	22	287	0	2
2000	180	0	190	0	228	0	242	0	0	2	0	2	24	0	60	334	26	0	57	347	12	0	39	340	346	0	14	321	346	2	14	321	0	2
2100	178	0	184	0	250	0	256	0	0	2	0	2	21	0	54	342	23	0	58	338	11	0	44	327	345	0	14	321	345	2	14	321	0	2
2200	190	0	189	0	198	0	206	0	0	2	0	2	25	0	76	342	30	0	74	344	13	0	48	344	348	0	20	323	348	2	20	323	0	2
2300	155	0	166	0	213	0	222	0	0	2	0	2	25	0	55	351	28	0	77	346	13	0	38	337	349	0	18	326	349	2	18	326	0	2
2400	152	0	158	0	204	0	215	0	0	2	0	2	24	0	54	343	24	0	67	340	10	0	44	325	347	0	10	320	347	2	10	320	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	520	0	520	0	525	0	523	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
200	507	0	507	0	514	0	513	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
300	493	0	493	0	496	0	495	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
400	489	0	489	0	489	0	489	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
500	482	0	482	0	482	0	480	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
600	475	0	475	0	477	0	475	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
700	486	0	484	0	484	0	486	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
800	505	0	504	0	502	0	507	0	320	2	320	2	-2	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
900	531	0	529	0	523	0	532	0	320	2	320	2	-7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1000	545	0	545	0	545	0	552	0	320	2	320	2	2	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1100	579	0	577	0	574	0	577	0	320	2	320	2	-7	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1200	597	0	594	0	594	0	597	0	320	2	320	2	2	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1300	599	0	595	0	606	0	608	0	320	2	320	2	9	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1400	622	0	619	0	624	0	619	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1500	624	0	622	0	640	0	635	0	320	2	320	2	16	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1600	615	0	612	0	637	0	631	0	320	2	320	2	23	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1700	577	0	576	0	613	0	608	0	320	2	320	2	36	0	36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1800	559	0	558	0	561	0	558	0	320	2	320	2	4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
1900	459	0	455	0	444	0	435	0	320	2	320	2	-13	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	127	0
2000	446	0	444	0	439	0	433	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	127	0
2100	426	0	424	0	419	0	415	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
2200	415	0	414	0	410	0	406	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
2300	410	0	408	0	403	0	399	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
2400	405	0	401	0	396	0	394	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	148	0	154	0	199	0	206	0	0	2	0	2	28	0	62	359	27	0	94	344	14	0	40	346	350	0	9	327	350	2	9	327	0	2
200	136	0	140	0	187	0	194	0	0	2	0	2	22	0	53	329	23	0	63	313	5	0	39	324	343	0	8	309	343	2	8	309	0	2
300	105	0	116	0	155	0	160	0	0	2	0	2	21	0	69	347	24	0	59	340	6	0	39	324	342	0	15	315	342	2	15	315	0	2
400	128	0	140	0	203	0	213	0	0	2	0	2	20	0	57	337	23	0	63	347	4	0	36	317	342	0	11	306	342	2	11	306	0	2
500	130	0	141	0	201	0	214	0	0	2	0	2	17	0	65	326	20	0	76	326	1	0	40	334	341	0	7	310	341	2	9	310	0	2
600	117	0	127	0	175	0	184	0	0	2	0	2	14	0	50	307	16	0	91	279	357	0	28	314	337	0	3	288	337	2	3	288	0	2
700	107	0	118	0	164	0	180	0	0	2	0	2	4	0	60	315	7	0	81	318	353	0	35	328	335	0	11	301	335	2	14	301	0	2
800	79	0	94	0	132	0	145	0	0	2	0	2	1	0	75	296	3	0	59	287	351	0	44	304	329	0	26	278	329	2	26	278	0	2
900	131	0	149	0	183	0	197	0	0	2	0	2	342	0	17	297	344	0	32	299	343	0	47	316	323	0	343	305	323	2	343	305	0	2
1000	139	0	151	0	182	0	193	0	0	2	0	2	344	0	37	305	348	0	44	304	345	0	29	302	327	0	357	297	327	2	357	297	0	2
1100	133	0	143	0	177	0	182	0	0	2	0	2	339	0	30	287	340	0	13	307	345	0	28	283	328	0	6	303	328	2	6	303	0	2
1200	120	0	133	0	162	0	175	0	0	2	0	2	345	0	72	278	348	0	86	308	347	0	41	304	327	0	19	290	327	2	19	290	0	2
1300	116	0	130	0	155	0	170	0	0	2	0	2	341	0	36	291	342	0	53	296	343	0	16	309	324	0	4	294	324	2	4	294	0	2
1400	71	0	85	0	95	0	107	0	0	2	0	2	343	0	86	291	341	0	55	295	343	0	26	304	322	0	13	291	322	2	13	291	0	2
1500	56	0	65	0	78	0	88	0	0	2	0	2	302	0	353	261	300	0	353	263	305	0	355	266	290	0	337	253	290	2	337	253	0	2
1600	42	0	50	0	52	0	61	0	0	2	0	2	295	0	348	240	294	0	343	228	287	0	325	227	271	0	312	220	271	2	312	220	0	2
1700	33	0	44	0	39	0	48	0	0	2	0	2	280	0	353	208	280	0	349	218	281	0	327	220	263	0	309	199	263	2	309	199	0	2
1800	16	0	26	0	19	0	28	0	0	2	0	2	314	0	354	244	311	3	358	249	311	0	335	279	297	0	326	268	297	2	326	268	0	2
1900	8	0	20	0	9	0	17	0	0	2	0	2	267	0	334	228	269	3	349	232	271	0	354	218	254	0	340	204	254	2	340	204	0	2
2000	10	0	23	0	14	0	25	0	0	2	0	2	105	5	121	84	113	0	130	96	123	0	133	107	90	3	102	72	90	2	102	72	0	2
2100	41	0	51	0	41	0	49	0	0	2	0	2	75	0	89	65	81	0	96	71	87	0	103	74	58	0	73	48	58	2	73	48	0	2
2200	42	0	52	0	46	0	55	0	0	2	0	2	95	0	111	80	102	0	121	79	101	0	118	84	71	0	90	55	71	2	90	55	0	2
2300	14	0	29	0	10	0	10	0	0	2	0	2	189	0	214	171	192	0	226	174	281	3	358	181	272	3	347	181	272	2	347	181	0	2
2400	32	0	41	0	57	0	68	0	0	2	0	2	339	0	22	293	338	0	28	299	326	0	347	310	311	0	328	296	311	2	328	296	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	392	0	390	0	385	0	383	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
200	379	0	378	0	372	0	370	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
300	374	0	372	0	367	0	365	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
400	365	0	361	0	358	0	356	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
500	356	0	354	0	351	0	349	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
600	352	0	351	0	347	0	345	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
700	354	0	358	0	358	0	349	0	320	2	320	2	-5	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
800	361	0	360	0	351	0	358	0	320	2	320	2	-9	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
900	360	0	360	0	351	0	358	0	320	2	320	2	-11	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1000	356	0	356	0	351	0	356	0	320	2	320	2	-9	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1100	365	0	367	0	358	0	358	0	320	2	320	2	-14	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1200	363	0	365	0	351	0	354	0	320	2	320	2	-14	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1300	363	0	363	0	343	0	347	0	320	2	320	2	-18	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1400	374	0	376	0	360	0	354	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1500	392	0	388	0	372	0	361	0	320	2	320	2	-22	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1600	392	0	388	0	385	0	379	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1700	392	0	388	0	394	0	388	0	320	2	320	2	4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1800	406	0	403	0	419	0	415	0	320	2	320	2	14	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1900	387	0	385	0	403	0	403	0	320	2	320	2	16	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
2000	345	0	343	0	367	0	372	0	320	2	320	2	22	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
2100	356	0	354	0	370	0	372	0	320	2	320	2	14	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
2200	347	0	345	0	369	0	370	0	320	2	320	2	23	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
2300	363	0	363	0	367	0	379	0	320	2	320	2	5	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
2400	378	0	376	0	388	0	390	0	320	2	320	2	11	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	40	0	48	0	65	0	70	0	0	2	0	2	29	0	53	350	29	0	56	347	6	0	35	345	347	0	17	325	347	2	17	325	0	2
200	24	0	34	0	32	0	43	0	0	2	0	2	95	3	120	73	102	0	123	79	48	0	65	21	23	0	39	2	23	2	39	2	0	2
300	22	0	34	0	11	0	19	0	0	2	0	2	162	0	181	137	166	0	185	138	125	0	171	64	112	0	164	23	112	2	164	23	0	2
400	11	0	11	0	10	0	10	0	0	2	0	2	115	0	146	93	120	5	157	97	103	5	137	89	91	0	125	77	91	2	125	77	0	2
500	13	0	23	0	34	0	44	0	0	2	0	2	348	3	49	297	346	3	58	278	330	0	355	289	315	0	341	290	315	2	341	290	0	2
600	20	0	29	0	41	0	50	0	0	2	0	2	348	3	45	312	351	3	43	314	327	0	348	304	313	0	332	286	313	2	332	286	0	2
700	30	0	42	0	59	0	67	0	0	2	0	2	10	3	39	339	11	0	37	327	350	0	11	324	332	0	355	305	332	2	355	305	0	2
800	54	0	66	0	75	0	85	0	0	2	0	2	22	0	82	318	24	0	66	311	1	0	60	308	346	0	17	288	346	2	17	288	0	2
900	61	0	75	0	94	0	106	0	0	2	0	2	13	0	155	282	15	0	77	305	355	0	45	296	339	0	32	285	339	2	32	285	0	2
1000	123	0	136	0	158	0	170	0	0	2	0	2	336	0	16	298	337	0	22	300	335	0	24	293	317	0	349	293	317	2	349	293	0	2
1100	139	0	146	0	174	0	184	0	0	2	0	2	336	0	14	277	337	0	19	305	335	0	4	293	318	0	352	262	318	2	352	262	0	2
1200	135	0	141	0	172	0	185	0	0	2	0	2	340	0	25	282	337	0	6	299	333	0	7	300	317	0	339	290	317	2	339	290	0	2
1300	124	0	138	0	166	0	182	0	0	2	0	2	329	0	6	272	328	0	16	274	326	0	359	284	311	0	334	280	311	2	334	280	0	2
1400	92	0	102	0	113	0	121	0	0	2	0	2	338	0	23	276	336	0	25	274	336	0	359	314	321	0	340	300	321	2	340	300	0	2
1500	77	0	89	0	85	0	96	0	0	2	0	2	334	0	14	292	331	0	0	280	333	0	11	311	318	0	346	299	318	2	346	299	0	2
1600	51	0	56	0	51	0	61	0	0	2	0	2	290	0	339	220	290	0	336	246	295	0	315	257	283	0	316	253	283	2	316	253	0	2
1700	29	0	37	0	33	0	43	0	0	2	0	2	311	0	347	237	309	0	344	257	288	0	321	249	276	0	309	238	276	2	309	238	0	2
1800	37	0	47	0	41	0	50	0	0	2	0	2	253	0	277	233	252	0	292	230	257	0	282	230	241	0	262	220	241	2	262	220	0	2
1900	39	0	42	0	60	0	63	0	0	2	0	2	228	0	264	194	230	0	270	201	222	0	241	200	210	0	238	179	210	2	238	179	0	2
2000	48	0	52	0	86	0	83	0	0	2	0	2	211	0	240	171	212	0	243	175	209	0	220	201	197	0	205	184	197	2	205	184	0	2
2100	36	0	43	0	107	0	97	0	0	2	0	2	196	0	236	152	198	0	237	168	199	0	210	192	186	0	200	177	186	2	200	177	0	2
2200	53	0	63	0	126	0	117	0	0	2	0	2	195	0	228	151	198	0	242	158	207	0	226	193	194	0	209	183	194	2	209	183	0	2
2300	103	0	94	0	155	0	148	0	0	2	0	2	231	0	263	199	234	0	264	198	229	0	251	214	214	0	238	178	214	2	238	178	0	2
2400	82	0	77	0	126	0	122	0	0	2	0	2	236	0	263	206	237	0	272	216	233	0	248	212	218	0	238	205	218	2	238	205	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	372	0	370	0	383	0	383	0	320	2	320	2	11	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
200	351	0	349	0	369	0	374	0	320	2	320	2	20	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
300	360	0	360	0	378	0	367	0	320	2	320	2	2	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
400	345	0	343	0	349	0	363	0	320	2	320	2	5	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
500	327	0	327	0	360	0	367	0	320	2	320	2	34	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
600	343	0	342	0	361	0	365	0	320	2	320	2	18	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
700	369	0	367	0	369	0	378	0	320	2	320	2	2	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
800	392	0	396	0	392	0	397	0	320	2	320	2	-9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
900	394	0	376	0	383	0	397	0	320	2	320	2	-14	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1000	383	0	383	0	374	0	385	0	320	2	320	2	-11	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1100	381	0	385	0	376	0	376	0	320	2	320	2	-13	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1200	378	0	379	0	365	0	369	0	320	2	320	2	-14	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1300	387	0	387	0	367	0	370	0	320	2	320	2	-20	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1400	392	0	394	0	381	0	374	0	320	2	320	2	-13	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1500	399	0	399	0	396	0	385	0	320	2	320	2	-7	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1600	408	0	405	0	412	0	397	0	320	2	320	2	-2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1700	426	0	424	0	442	0	428	0	320	2	320	2	9	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1800	435	0	433	0	444	0	441	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1900	412	0	412	0	415	0	415	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
2000	405	0	405	0	417	0	415	0	320	2	320	2	14	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
2100	396	0	396	0	426	0	423	0	320	2	320	2	31	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
2200	394	0	392	0	430	0	426	0	320	2	320	2	36	0	36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
2300	430	0	428	0	435	0	433	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
2400	426	0	426	0	435	0	433	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	100	0	95	0	144	0	137	0	0	2	0	2	240	0	270	196	239	0	275	205	233	0	249	202	219	0	250	200	219	2	250	200	0	2
200	90	0	87	0	141	0	131	0	0	2	0	2	240	0	281	184	241	0	290	189	230	0	248	203	216	0	239	184	216	2	239	184	0	2
300	116	0	106	0	182	0	148	2	0	2	0	2	240	0	277	201	241	0	269	204	232	0	254	199	217	0	236	191	217	2	236	191	0	2
400	131	0	121	0	188	0	177	0	0	2	0	2	241	0	269	203	242	0	274	192	235	0	258	214	219	0	240	178	219	2	240	178	0	2
500	128	0	121	0	199	0	186	0	0	2	0	2	243	0	271	195	240	0	281	201	235	0	260	215	219	0	236	202	219	2	236	202	0	2
600	126	0	118	0	188	0	177	0	0	2	0	2	239	0	302	197	244	0	282	205	231	0	250	205	217	0	236	193	217	2	236	193	0	2
700	118	0	109	0	189	0	174	0	0	2	0	2	237	0	287	199	239	0	299	186	228	0	265	206	214	0	247	183	214	2	247	183	0	2
800	134	0	131	0	188	0	182	0	0	2	0	2	237	0	283	192	241	0	300	200	227	0	255	197	210	0	239	171	210	2	239	171	0	2
900	125	0	119	0	180	0	168	0	0	2	0	2	239	0	280	200	241	0	295	191	227	0	246	200	213	0	239	187	213	2	239	187	0	2
1000	187	0	169	0	273	0	257	0	0	2	0	2	245	0	307	195	248	0	292	204	238	0	258	214	222	0	254	203	222	2	254	203	0	2
1100	104	0	109	0	189	0	181	0	0	2	0	2	256	0	296	210	258	0	304	218	249	0	277	236	234	0	252	216	234	2	252	216	0	2
1200	114	0	120	0	193	0	186	0	0	2	0	2	258	0	301	221	258	0	300	219	251	0	266	235	235	0	250	219	235	2	250	219	0	2
1300	177	0	161	0	250	0	240	0	0	2	0	2	242	0	274	200	244	0	283	200	236	0	256	208	220	0	234	196	220	2	234	196	0	2
1400	97	0	91	0	151	0	140	0	0	2	0	2	238	0	274	191	241	0	277	193	232	0	248	209	217	0	231	194	217	2	231	194	0	2
1500	104	0	103	0	152	0	131	0	0	2	0	2	245	0	274	213	247	0	279	219	237	0	257	223	221	0	250	207	221	2	250	207	0	2
1600	70	0	71	0	94	0	97	0	0	2	0	2	245	0	276	209	246	0	281	206	243	0	254	230	227	0	238	212	227	2	238	212	0	2
1700	53	0	66	0	71	0	83	0	0	2	0	2	295	0	322	262	294	0	327	259	290	0	306	249	273	0	288	239	273	2	288	239	0	2
1800	90	0	101	0	124	0	131	0	0	2	0	2	312	0	338	275	310	0	342	281	314	0	341	304	299	0	324	288	299	2	324	288	0	2
1900	78	0	85	0	117	0	123	0	0	2	0	2	354	0	48	302	354	0	54	305	350	0	28	294	331	0	8	293	331	2	8	293	0	2
2000	92	0	99	0	116	0	124	0	0	2	0	2	31	0	56	7	31	0	67	4	19	0	47	332	356	0	17	322	356	2	17	322	0	2
2100	62	0	71	0	88	0	95	0	0	2	0	2	36	0	60	0	37	0	62	359	28	0	48	0	4	0	19	341	4	2	19	341	0	2
2200	53	0	67	0	81	0	87	0	0	2	0	2	48	0	67	37	50	0	68	34	32	0	46	22	9	0	17	358	9	2	17	358	0	2
2300	71	0	79	0	104	0	112	0	0	2	0	2	22	0	49	346	24	0	62	336	14	0	28	0	350	0	0	334	350	2	0	334	0	2
2400	70	0	81	0	92	0	100	0	0	2	0	2	29	0	57	358	33	0	64	6	24	0	57	1	0	0	20	342	0	2	20	342	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	433	0	435	0	437	0	433	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
200	435	0	433	0	435	0	433	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
300	441	0	439	0	439	0	437	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
400	444	0	442	0	442	0	441	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
500	446	0	444	0	442	0	441	0	320	2	320	2	-2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
600	448	0	446	0	444	0	442	0	320	2	320	2	-2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
700	453	0	451	0	448	0	448	0	320	2	320	2	-4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
800	469	0	471	0	468	0	460	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
900	483	0	485	0	481	0	482	0	320	2	320	2	-7	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1000	493	0	495	0	493	0	484	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1100	484	0	486	0	487	0	484	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1200	487	0	489	0	489	0	484	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	128	0
1300	464	0	464	0	446	0	448	0	320	2	320	2	-14	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	129	0
1400	441	0	439	0	428	0	424	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1500	441	0	442	0	428	0	424	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1600	437	0	437	0	428	0	424	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1700	446	0	444	0	437	0	433	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1800	446	0	444	0	437	0	435	0	320	2	320	2	-7	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1900	426	0	426	0	426	0	419	0	320	2	320	2	-4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2000	406	0	405	0	401	0	399	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2100	401	0	397	0	396	0	399	0	320	2	320	2	-4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2200	379	0	378	0	388	0	390	0	320	2	320	2	11	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2300	392	0	388	0	396	0	394	0	320	2	320	2	4	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2400	385	0	383	0	381	0	381	0	320	2	320	2	-4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	75	0	86	0	105	0	116	0	0	2	0	2	24	0	51	341	27	0	61	345	9	0	35	340	348	0	19	318	348	2	19	318	0	2
200	67	0	77	0	97	0	105	0	0	2	0	2	21	0	45	346	24	0	60	350	7	0	26	342	346	0	12	309	346	2	12	309	0	2
300	51	0	64	0	77	0	86	0	0	2	0	2	27	0	61	350	30	0	64	349	10	0	39	343	349	0	19	324	349	2	19	324	0	2
400	51	0	62	0	77	0	86	0	0	2	0	2	29	0	61	4	31	0	56	8	20	0	36	5	358	0	16	345	358	2	16	345	0	2
500	31	0	43	0	55	0	63	0	0	2	0	2	35	0	61	12	38	0	71	1	23	0	42	355	0	0	22	341	0	2	22	341	0	2
600	40	0	50	0	62	0	70	0	0	2	0	2	33	0	50	22	35	0	66	21	20	0	31	343	358	0	15	350	358	2	15	350	0	2
700	25	0	36	0	41	0	49	0	0	2	0	2	32	3	59	352	37	0	68	1	16	0	46	349	355	0	17	333	355	2	17	333	0	2
800	20	0	33	0	26	0	40	0	0	2	0	2	73	3	139	26	75	0	104	15	44	0	69	332	21	3	53	292	21	2	53	292	0	2
900	14	0	24	0	26	0	34	0	0	2	0	2	6	3	89	284	11	3	84	291	352	0	77	285	334	3	33	271	334	2	33	271	0	2
1000	19	0	33	0	28	0	38	0	0	2	0	2	317	0	357	254	318	0	22	274	308	0	351	274	296	0	334	259	296	2	334	259	0	2
1100	24	0	36	0	32	0	41	0	0	2	0	2	300	0	352	235	301	0	354	222	300	0	358	259	290	0	326	256	290	2	326	256	0	2
1200	36	0	47	0	48	0	59	0	0	2	0	2	300	0	338	220	302	0	346	234	290	0	314	238	276	0	308	219	276	2	308	219	0	2
1300	46	0	58	0	53	0	63	0	0	2	0	2	265	0	300	233	264	0	296	224	254	0	274	202	242	0	265	222	242	2	265	222	0	2
1400	39	0	43	0	36	0	44	0	0	2	0	2	243	0	284	211	244	0	309	188	250	0	301	224	234	0	283	191	234	2	283	191	0	2
1500	44	0	56	0	57	0	66	0	0	2	0	2	326	0	14	274	319	0	358	238	324	0	348	281	310	0	348	272	310	2	348	272	0	2
1600	48	0	58	0	59	0	68	0	0	2	0	2	308	0	338	287	304	0	336	277	306	0	329	286	294	0	316	271	294	2	316	271	0	2
1700	51	0	62	0	64	0	73	0	0	2	0	2	342	0	33	292	341	0	24	287	345	0	24	318	329	0	11	298	329	2	11	298	0	2
1800	25	0	36	0	45	0	53	0	0	2	0	2	9	3	141	304	11	0	86	287	348	0	25	271	334	0	14	280	334	2	14	280	0	2
1900	29	0	40	0	40	0	50	0	0	2	0	2	340	3	11	291	341	0	24	294	338	0	15	308	321	0	347	281	321	2	347	281	0	2
2000	37	0	48	0	58	0	65	0	0	2	0	2	41	0	62	18	43	0	63	17	29	0	43	21	7	0	18	356	7	2	18	356	0	2
2100	24	0	40	0	46	0	64	0	0	2	0	2	56	3	87	33	60	0	90	39	47	0	64	39	22	0	39	17	22	2	39	17	0	2
2200	51	0	61	0	87	0	92	0	0	2	0	2	81	0	121	61	85	0	105	63	73	0	81	67	47	0	55	41	47	2	55	41	0	2
2300	42	0	52	0	73	0	82	0	0	2	0	2	90	0	128	44	95	0	121	71	80	0	97	58	54	0	67	39	54	2	67	39	0	2
2400	41	0	51	0	74	0	82	0	0	2	0	2	81	0	106	60	88	0	107	68	75	0	97	66	49	0	56	39	49	2	56	39	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	392	0	388	0	394	0	392	0	320	2	320	2	2	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
200	381	0	379	0	379	0	379	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
300	370	0	369	0	369	0	367	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
400	361	0	358	0	363	0	365	0	320	2	320	2	4	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
500	351	0	349	0	356	0	356	0	320	2	320	2	5	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
600	349	0	345	0	356	0	356	0	320	2	320	2	9	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
700	365	0	363	0	363	0	369	0	320	2	320	2	2	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
800	381	0	379	0	383	0	406	0	320	2	320	2	2	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
900	387	0	385	0	379	0	379	0	320	2	320	2	-7	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1000	390	0	392	0	392	0	379	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1100	415	0	415	0	415	0	410	0	320	2	320	2	-7	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1200	414	0	412	0	403	0	396	0	320	2	320	2	-14	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1300	417	0	415	0	408	0	405	0	320	2	320	2	-11	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1400	433	0	433	0	437	0	423	0	320	2	320	2	-7	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1500	419	0	417	0	405	0	399	0	320	2	320	2	-14	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1600	419	0	419	0	410	0	399	0	320	2	320	2	-14	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1700	419	0	423	0	421	0	405	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1800	417	0	417	0	410	0	405	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1900	405	0	403	0	399	0	397	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2000	390	0	388	0	390	0	392	0	320	2	320	2	2	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2100	374	0	374	0	390	0	388	0	320	2	320	2	16	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2200	383	0	381	0	390	0	388	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2300	383	0	381	0	383	0	381	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2400	383	0	381	0	385	0	383	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	62	0	71	0	95	0	103	0	0	2	0	2	82	0	109	58	87	0	118	66	76	0	91	63	50	0	71	36	50	2	71	36	0	2
200	59	0	69	0	101	0	106	0	0	2	0	2	86	0	112	55	91	0	127	68	79	0	103	68	54	0	75	41	54	2	75	41	0	2
300	34	0	49	0	64	0	75	0	0	2	0	2	63	0	88	39	68	0	89	37	71	0	81	60	45	0	56	29	45	2	56	29	0	2
400	60	0	76	0	92	0	108	0	0	2	0	2	65	0	105	40	70	0	102	34	64	0	86	44	39	0	56	21	39	2	56	21	0	2
500	89	0	96	0	136	0	142	0	0	2	0	2	98	0	121	73	103	0	130	76	95	0	108	77	69	0	83	51	69	2	83	51	0	2
600	125	0	133	0	167	0	175	0	0	2	0	2	88	0	122	61	93	0	119	68	88	0	111	72	62	0	77	46	62	2	77	46	0	2
700	105	0	113	0	151	0	158	0	0	2	0	2	101	0	123	72	105	0	140	72	100	0	123	82	73	0	89	51	73	2	89	51	0	2
800	106	0	115	0	145	0	151	0	0	2	0	2	106	0	140	77	114	0	149	81	104	0	121	83	78	0	94	57	78	2	94	57	0	2
900	99	0	106	0	117	0	127	0	0	2	0	2	100	0	143	71	106	0	143	71	97	0	119	64	71	0	100	34	71	2	100	34	0	2
1000	126	0	140	0	156	0	166	0	0	2	0	2	99	0	134	60	101	0	135	72	92	0	110	72	65	0	94	34	65	2	94	34	0	2
1100	143	0	149	0	170	0	179	0	0	2	0	2	110	0	140	78	111	0	152	69	107	0	135	85	79	0	98	55	79	2	98	55	0	2
1200	126	0	137	0	149	0	161	0	0	2	0	2	116	0	150	80	118	0	145	86	108	0	140	29	83	0	118	30	83	2	118	30	0	2
1300	109	0	116	0	134	0	146	0	0	2	0	2	116	0	146	78	118	0	155	77	118	0	252	91	84	0	111	59	84	2	111	59	0	2
1400	125	0	131	0	164	0	170	0	0	2	0	2	108	0	145	70	106	0	144	74	100	0	118	76	75	0	92	43	75	2	92	43	0	2
1500	154	0	157	0	179	0	188	0	0	2	0	2	106	0	132	77	108	0	137	59	103	0	123	75	77	0	104	53	77	2	104	53	0	2
1600	153	0	157	0	185	0	190	0	0	2	0	2	114	0	142	88	116	0	149	71	115	0	255	91	81	0	104	59	81	2	104	59	0	2
1700	186	0	190	0	227	0	236	0	0	2	0	2	120	0	159	85	124	0	156	85	114	0	140	87	87	0	106	66	87	2	106	66	0	2
1800	198	0	209	0	249	0	261	0	0	2	0	2	126	0	153	107	128	0	156	103	122	0	141	102	95	0	121	76	95	2	121	76	0	2
1900	237	0	245	0	295	0	315	0	0	2	0	2	123	0	161	98	126	0	172	106	121	0	143	103	93	0	112	74	93	2	112	74	0	2
2000	122	0	136	0	184	0	129	0	0	2	0	2	79	0	150	5	79	0	166	0	57	0	154	317	37	0	120	285	37	2	120	285	0	2
2100	165	0	175	0	208	0	222	0	0	2	0	2	119	0	144	101	124	0	150	93	123	0	254	107	92	0	109	73	92	2	109	73	0	2
2200	92	0	109	0	125	0	139	0	0	2	0	2	76	0	114	29	77	0	114	25	70	0	99	32	45	0	72	5	45	2	72	5	0	2
2300	148	0	153	0	194	0	200	0	0	2	0	2	105	0	129	78	110	0	132	72	103	0	118	81	75	0	86	62	75	2	86	62	0	2
2400	211	0	221	0	258	0	280	0	0	2	0	2	121	0	140	97	127	0	156	91	127	0	249	107	94	0	116	78	94	2	116	78	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	385	0	383	0	387	0	383	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
200	383	0	381	0	385	0	381	0	320	2	320	2	4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
300	379	0	378	0	385	0	381	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
400	383	0	381	0	379	0	378	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
500	385	0	383	0	379	0	376	0	320	2	320	2	-4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
600	390	0	390	0	387	0	383	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
700	396	0	394	0	390	0	388	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
800	410	0	410	0	408	0	403	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
900	428	0	426	0	423	0	421	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1000	450	0	451	0	451	0	442	0	320	2	320	2	-7	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1100	482	0	484	0	477	0	482	0	320	2	320	2	-5	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1200	502	0	504	0	504	0	502	0	320	2	320	2	-4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1300	509	0	509	0	507	0	500	0	320	2	320	2	-7	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1400	527	0	529	0	525	0	522	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1500	536	0	534	0	531	0	529	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1600	536	0	538	0	536	0	527	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1700	540	0	538	0	532	0	531	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1800	532	0	532	0	525	0	523	0	320	2	320	2	-7	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1700	511	0	511	0	477	0	469	0	320	2	320	2	-34	0	-38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2000	505	0	505	0	504	0	496	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	153	0
2100	495	0	495	0	491	0	486	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	153	0
2200	464	0	462	0	460	0	455	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	153	0
2300	451	0	450	0	446	0	442	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	153	0
2400	477	0	477	0	471	0	466	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	153	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	92	0	102	0	126	0	137	0	0	2	0	2	112	0	143	78	114	0	155	83	114	0	153	84	87	0	140	58	87	2	140	58	0	2
200	141	0	143	0	191	0	196	0	0	2	0	2	114	0	141	90	118	0	145	78	111	0	247	91	96	0	114	82	96	2	114	82	0	2
300	154	0	160	0	186	0	198	0	0	2	0	2	120	0	141	100	123	0	161	103	119	0	133	95	105	0	119	90	105	2	119	90	0	2
400	160	0	182	0	209	0	232	0	0	2	0	2	128	0	147	114	132	0	151	113	129	0	138	120	115	0	124	103	115	2	124	103	0	2
500	113	0	131	0	164	0	178	0	0	2	0	2	129	0	159	98	135	0	158	109	135	0	226	118	120	0	133	102	120	2	133	102	0	2
600	51	0	67	0	110	0	123	0	0	2	0	2	143	0	179	117	147	0	195	111	152	0	208	133	138	0	162	122	138	2	162	122	0	2
700	58	0	73	0	106	0	123	0	0	2	0	2	155	0	192	109	156	0	206	112	164	0	195	142	150	0	169	131	150	2	169	131	0	2
800	45	0	58	0	93	0	95	0	0	2	0	2	182	0	248	98	186	0	251	99	188	0	222	160	172	0	196	144	172	2	196	144	0	2
900	100	0	93	0	166	0	163	0	0	2	0	2	249	0	288	222	247	0	283	208	240	0	262	219	227	0	248	199	227	2	248	199	0	2
1000	206	0	213	0	326	0	319	0	0	2	0	2	263	0	296	237	263	0	296	233	254	0	269	238	240	0	257	224	240	2	257	224	0	2
1100	171	0	155	0	260	0	252	0	0	2	0	2	255	0	296	225	252	0	286	214	248	0	264	234	234	0	248	221	234	2	248	221	0	2
1200	183	0	191	0	283	0	284	0	0	2	0	2	261	0	302	224	260	0	290	227	253	0	268	231	238	0	249	220	238	2	249	220	0	2
1300	198	0	209	0	284	0	286	0	0	2	0	2	262	0	295	227	262	0	295	227	254	0	264	239	239	0	256	224	239	2	256	224	0	2
1400	240	0	263	0	283	0	319	0	0	2	0	2	269	0	286	245	268	0	286	241	262	0	281	254	247	0	259	240	247	2	259	240	0	2
1500	256	0	270	0	273	0	301	0	0	2	0	2	268	0	294	243	268	0	296	247	266	0	284	249	251	0	264	242	251	2	264	242	0	2
1600	141	0	157	0	163	0	187	0	0	2	0	2	285	0	327	239	285	0	320	235	281	0	315	236	266	0	304	216	266	2	304	216	0	2
1700	182	0	196	0	249	0	268	0	0	2	0	2	302	0	356	273	301	0	322	275	300	0	306	291	286	0	297	275	286	2	297	275	0	2
1800	184	0	194	0	238	0	249	0	0	2	0	2	306	0	328	273	305	0	330	263	303	0	315	293	288	0	299	280	288	2	299	280	0	2
1900	177	0	198	0	252	0	262	0	0	2	0	2	312	0	343	284	312	0	351	283	310	0	320	294	295	0	312	281	295	2	312	281	0	2
2000	147	0	154	0	215	0	223	0	0	2	0	2	314	0	344	240	313	0	348	272	315	0	343	287	299	0	317	278	299	2	317	278	0	2
2100	170	0	184	0	239	0	261	0	0	2	0	2	330	0	6	277	330	0	8	283	327	0	339	299	311	0	325	293	311	2	325	293	0	2
2200	164	0	182	0	232	0	253	0	0	2	0	2	336	0	7	289	337	0	19	293	331	0	0	307	313	0	327	293	313	2	327	293	0	2
2300	152	0	165	0	205	0	230	0	0	2	0	2	333	0	23	272	329	0	24	270	327	0	359	310	309	0	325	283	309	2	325	283	0	2
2400	146	0	162	0	203	0	222	0	0	2	0	2	335	0	24	298	333	0	17	284	331	0	0	315	313	0	329	298	313	2	329	298	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	442	0	439	0	432	0	415	0	320	2	320	2	-9	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	158	0
200	428	0	424	0	415	0	410	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
300	448	0	444	0	444	0	441	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
400	453	0	451	0	450	0	446	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
500	457	0	455	0	453	0	450	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
600	468	0	468	0	466	0	462	0	320	2	320	2	2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
700	477	0	475	0	471	0	469	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
800	504	0	502	0	498	0	500	0	320	2	320	2	-5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
900	529	0	525	0	523	0	525	0	320	2	320	2	-4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1000	482	0	480	0	475	0	473	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1100	475	0	473	0	468	0	466	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1200	459	0	457	0	448	0	446	0	320	2	320	2	-9	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1300	446	0	441	0	439	0	435	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1400	437	0	435	0	430	0	426	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1500	439	0	435	0	430	0	426	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1600	426	0	424	0	415	0	414	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1700	417	0	417	0	408	0	405	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1800	405	0	403	0	394	0	390	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1700	401	0	403	0	399	0	387	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2000	388	0	387	0	379	0	378	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2100	390	0	388	0	381	0	378	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2200	385	0	383	0	376	0	372	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2300	385	0	383	0	376	0	372	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2400	381	0	379	0	370	0	369	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	170	0	186	0	224	0	242	0	0	2	0	2	339	0	5	306	337	0	0	312	334	0	348	313	316	0	325	304	316	2	325	304	0	2
200	149	0	163	0	215	0	231	0	0	2	0	2	340	0	14	305	339	0	13	305	338	0	7	316	320	0	335	304	320	2	335	304	0	2
300	159	0	171	0	210	0	229	0	0	2	0	2	339	0	20	296	340	0	29	303	335	0	359	320	318	0	332	306	318	2	332	306	0	2
400	131	0	148	0	192	0	210	0	0	2	0	2	329	0	5	275	331	0	4	275	327	0	351	288	310	0	332	267	310	2	332	267	0	2
500	115	0	126	0	173	0	187	0	0	2	0	2	345	0	26	314	343	0	45	296	341	0	18	320	323	0	346	290	323	2	346	290	0	2
600	118	0	130	0	158	0	172	0	0	2	0	2	342	0	11	310	339	0	7	297	337	0	3	322	320	0	344	301	320	2	344	301	0	2
700	79	0	93	0	130	0	144	0	0	2	0	2	325	0	357	256	326	0	8	271	323	0	346	297	307	0	348	275	307	2	348	275	0	2
800	115	0	129	0	156	0	171	0	0	2	0	2	340	0	30	306	336	0	5	306	332	0	351	309	315	0	352	298	315	2	352	298	0	2
900	94	0	108	0	129	0	146	0	0	2	0	2	338	0	14	277	338	0	28	298	330	0	345	309	313	0	333	284	313	2	333	284	0	2
1000	90	0	106	0	126	0	140	0	0	2	0	2	334	0	22	272	334	0	1	271	331	0	348	308	313	0	338	297	313	2	338	297	0	2
1100	85	0	99	0	104	0	118	0	0	2	0	2	337	0	34	278	335	0	11	298	332	0	354	313	314	0	334	273	314	2	334	273	0	2
1200	59	0	70	0	83	0	97	0	0	2	0	2	325	0	113	282	326	0	38	272	319	0	353	279	304	0	340	253	304	2	340	253	0	2
1300	64	0	74	0	92	0	105	0	0	2	0	2	307	0	356	272	304	0	343	269	312	0	351	272	297	0	323	267	297	2	323	267	0	2
1400	59	0	71	0	87	0	100	0	0	2	0	2	310	0	355	260	306	0	338	253	311	0	330	279	296	0	314	265	296	2	314	265	0	2
1500	48	0	57	0	65	0	76	0	0	2	0	2	298	0	358	252	297	0	337	248	306	0	333	284	292	0	326	263	292	2	326	263	0	2
1600	48	0	59	0	58	0	72	0	0	2	0	2	298	0	333	243	295	0	336	257	294	0	310	280	281	0	306	265	281	2	306	265	0	2
1700	34	0	46	0	40	0	53	0	0	2	0	2	295	0	340	234	296	0	336	238	294	0	317	275	280	0	295	259	280	2	295	259	0	2
1800	16	0	27	0	19	0	29	0	0	2	0	2	294	0	346	236	292	3	350	226	310	0	349	247	297	0	327	232	297	2	327	232	0	2
1900	15	0	28	0	17	0	28	0	0	2	0	2	33	3	59	359	39	3	72	6	34	3	68	348	11	3	33	346	11	2	33	346	0	2
2000	9	0	25	0	10	0	22	0	0	2	0	2	338	0	354	326	337	0	352	319	335	0	355	318	317	0	332	298	317	2	332	298	0	2
2100	9	0	24	0	7	0	19	0	0	2	0	2	165	5	180	153	168	0	182	157	139	0	166	101	125	0	151	92	125	2	151	92	0	2
2200	39	0	54	0	33	0	45	0	0	2	0	2	171	0	204	141	174	0	197	149	152	0	205	142	137	0	149	128	137	2	149	128	0	2
2300	50	0	64	0	91	0	85	0	0	2	0	2	199	0	232	164	201	0	257	157	191	0	197	184	177	0	182	173	177	2	182	173	0	2
2400	38	0	53	0	92	0	85	0	0	2	0	2	186	0	221	157	187	0	221	149	185	0	189	181	171	0	173	168	171	2	173	168	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	383	0	381	0	372	0	370	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
200	383	0	381	0	374	0	372	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
300	383	0	381	0	374	0	370	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
400	387	0	385	0	378	0	376	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
500	385	0	383	0	376	0	374	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
600	381	0	379	0	372	0	370	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
700	379	0	379	0	374	0	374	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
800	392	0	390	0	385	0	390	0	320	2	320	2	-7	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
900	401	0	403	0	396	0	405	0	320	2	320	2	-11	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1000	408	0	406	0	396	0	408	0	320	2	320	2	-11	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1100	413	0	414	0	399	0	408	0	320	2	320	2	-14	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1200	435	0	433	0	408	0	417	0	320	2	320	2	-25	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1300	444	0	441	0	410	0	412	0	320	2	320	2	-34	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1400	450	0	446	0	424	0	417	0	320	2	320	2	-25	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1500	451	0	446	0	437	0	428	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1600	455	0	451	0	442	0	433	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1700	455	0	451	0	460	0	450	0	320	2	320	2	-5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1800	460	0	455	0	482	0	478	0	320	2	320	2	23	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1900	450	0	448	0	478	0	477	0	320	2	320	2	29	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2000	408	0	405	0	415	0	421	0	320	2	320	2	7	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2100	406	0	405	0	424	0	433	0	320	2	320	2	20	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2200	417	0	417	0	437	0	435	0	320	2	320	2	20	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2300	406	0	405	0	444	0	441	0	320	2	320	2	40	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2400	406	0	405	0	444	0	442	0	320	2	320	2	40	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	41	0	52	0	113	0	106	0	0	2	0	2	194	0	246	140	197	0	239	156	196	0	199	190	182	0	184	178	182	2	184	178	0	2
200	45	0	55	0	100	0	94	0	0	2	0	2	183	0	219	140	187	0	235	141	185	0	189	181	171	0	174	168	171	2	174	168	0	2
300	52	0	62	0	96	0	97	0	0	2	0	2	207	0	242	179	207	0	229	186	209	0	219	204	196	0	205	191	196	2	205	191	0	2
400	60	0	66	0	146	0	145	0	0	2	0	2	183	0	233	127	187	0	253	128	193	0	197	190	179	0	182	177	179	2	182	177	0	2
500	53	0	64	0	156	0	153	0	0	2	0	2	171	0	225	126	172	0	217	122	185	0	190	181	171	0	180	167	171	2	180	167	0	2
600	54	0	66	0	148	0	158	0	0	2	0	2	160	0	196	131	162	0	212	129	182	0	185	179	166	0	176	165	166	2	176	165	0	2
700	37	0	45	0	116	0	111	0	0	2	0	2	203	0	248	140	205	0	261	100	202	0	215	192	186	0	202	175	186	2	202	175	0	2
800	56	0	64	0	95	0	96	0	0	2	0	2	205	0	266	135	208	0	267	141	201	0	233	181	186	0	206	160	186	2	206	160	0	2
900	49	0	52	0	84	0	88	0	0	2	0	2	190	0	266	100	188	0	258	90	184	0	224	113	168	0	196	98	168	2	196	98	0	2
1000	58	0	68	0	101	0	104	0	0	2	0	2	182	0	257	91	185	0	247	91	187	0	226	133	171	0	222	106	171	2	222	106	0	2
1100	56	0	67	0	95	0	99	0	0	2	0	2	199	0	265	119	206	0	268	128	195	0	245	143	179	0	233	108	179	2	233	108	0	2
1200	44	0	54	0	82	0	90	0	0	2	0	2	199	0	269	101	200	0	267	96	184	0	254	117	168	0	223	100	168	2	223	100	0	2
1300	58	0	70	0	84	0	97	0	0	2	0	2	258	0	299	216	261	0	299	226	255	0	284	231	236	0	269	194	236	2	269	194	0	2
1400	63	0	75	0	82	0	89	0	0	2	0	2	259	0	294	220	261	0	311	232	238	0	274	216	222	0	256	193	222	2	256	193	0	2
1500	59	0	64	0	91	0	92	0	0	2	0	2	246	0	295	191	250	0	297	213	228	0	258	205	213	0	230	177	213	2	230	177	0	2
1600	66	0	72	0	93	0	94	0	0	2	0	2	245	0	268	217	247	0	271	220	231	0	253	211	214	0	235	191	214	2	235	191	0	2
1700	66	0	66	0	100	0	101	0	0	2	0	2	240	0	276	201	243	0	290	182	231	0	253	197	214	0	234	179	214	2	234	179	0	2
1800	68	0	69	0	112	0	109	0	0	2	0	2	229	0	295	183	229	0	271	185	215	0	264	176	200	0	250	172	200	2	250	172	0	2
1900	73	0	70	0	119	0	120	0	0	2	0	2	224	0	257	178	227	0	263	183	220	0	247	199	204	0	234	176	204	2	234	176	0	2
2000	41	0	49	0	103	0	105	0	0	2	0	2	192	0	239	125	195	0	258	136	192	0	210	174	176	0	192	162	176	2	192	162	0	2
2100	44	0	57	0	138	0	135	0	0	2	0	2	191	0	241	141	195	0	260	137	193	0	206	181	177	0	189	164	177	2	189	164	0	2
2200	56	0	68	0	157	0	150	0	0	2	0	2	193	0	240	139	199	0	257	127	195	0	221	175	179	0	195	160	179	2	195	160	0	2
2300	77	0	82	0	156	0	146	0	0	2	0	2	204	0	252	159	208	0	254	167	202	0	221	180	186	0	201	166	186	2	201	166	0	2
2400	71	0	75	0	132	0	128	0	0	2	0	2	208	0	245	135	216	0	260	147	214	0	236	186	197	0	222	175	197	2	222	175	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	396	0	394	0	450	0	446	0	320	2	320	2	54	0	54	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
200	399	0	397	0	466	0	464	0	320	2	320	2	67	0	67	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
300	408	0	408	0	464	0	462	0	320	2	320	2	58	0	56	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
400	394	0	392	0	480	0	478	0	320	2	320	2	86	0	86	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
500	381	0	381	0	480	0	477	0	320	2	320	2	99	0	97	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
600	385	0	383	0	478	0	477	0	320	2	320	2	95	0	95	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
700	415	0	414	0	444	0	446	0	320	2	320	2	31	0	36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
800	466	0	468	0	464	0	473	0	320	2	320	2	-5	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
900	518	0	518	0	504	0	518	0	320	2	320	2	-20	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1000	554	0	552	0	529	0	545	0	320	2	320	2	-25	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1100	568	0	565	0	547	0	550	0	320	2	320	2	-20	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1200	606	0	603	0	579	0	590	0	320	2	320	2	-27	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1300	583	0	577	0	568	0	565	0	320	2	320	2	-14	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1400	572	0	568	0	574	0	570	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1500	601	0	597	0	599	0	594	0	320	2	320	2	-5	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1600	597	0	594	0	594	0	588	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1700	597	0	594	0	603	0	597	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1800	628	0	624	0	630	0	628	0	320	2	320	2	5	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1900	603	0	603	0	608	0	606	0	320	2	320	2	5	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2000	585	0	585	0	592	0	590	0	320	2	320	2	9	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2100	558	0	556	0	572	0	568	0	320	2	320	2	14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2200	541	0	540	0	554	0	552	0	320	2	320	2	14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2300	540	0	538	0	549	0	547	0	320	2	320	2	13	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2400	550	0	550	0	565	0	563	0	320	2	320	2	14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	84	0	79	0	129	0	125	0	0	2	0	2	228	0	266	180	233	0	270	187	219	0	243	197	203	0	229	175	203	2	229	175	0	2
200	79	0	76	0	122	0	122	0	0	2	0	2	229	0	262	158	231	0	260	179	222	0	240	199	206	0	225	183	206	2	225	183	0	2
300	92	0	100	0	159	0	169	0	0	2	0	2	258	0	290	213	261	0	288	225	256	0	265	235	237	0	246	224	237	2	246	224	0	2
400	50	0	61	0	98	0	105	0	0	2	0	2	19	0	91	312	24	0	93	310	14	0	40	346	349	0	14	326	349	2	14	326	0	2
500	83	0	92	0	122	0	130	0	0	2	0	2	30	0	52	356	36	0	70	345	26	0	47	5	359	0	19	335	359	2	19	335	0	2
600	54	0	71	0	84	0	103	0	0	2	0	2	49	0	94	24	58	0	96	24	47	0	69	19	19	0	37	359	19	2	37	359	0	2
700	25	0	42	0	53	0	72	0	0	2	0	2	57	3	89	13	66	0	92	17	47	0	59	27	20	0	44	357	20	2	44	357	0	2
800	46	0	62	0	56	0	74	0	0	2	0	2	64	0	111	32	74	0	118	34	64	0	95	43	36	0	59	14	36	2	59	14	0	2
900	76	0	88	0	85	0	98	0	0	2	0	2	73	0	109	44	83	0	124	46	74	0	95	48	45	0	62	4	45	2	62	4	0	2
1000	60	0	70	0	71	0	83	0	0	2	0	2	83	0	121	31	100	0	138	43	89	0	115	50	85	0	132	50	85	2	132	50	0	2
1100	32	0	44	0	35	0	44	0	0	2	0	2	340	0	52	279	345	0	62	272	7	0	96	287	345	0	93	275	345	2	93	275	0	2
1200	66	0	78	0	76	0	86	0	0	2	0	2	18	0	54	339	24	0	67	348	12	0	35	333	351	0	13	312	351	2	13	312	0	2
1300	82	0	94	0	90	0	102	0	0	2	0	2	27	0	69	357	33	0	62	8	19	0	44	332	355	0	20	325	355	2	20	325	0	2
1400	85	0	95	0	89	0	97	0	0	2	0	2	25	0	50	342	31	0	63	354	15	0	40	318	359	0	21	338	359	2	21	338	0	2
1500	77	0	88	0	89	0	101	0	0	2	0	2	28	0	61	359	34	0	65	359	25	0	64	336	2	0	26	312	2	2	26	312	0	2
1600	50	0	64	0	54	0	74	0	0	2	0	2	45	0	81	24	51	0	89	16	52	0	75	315	26	0	49	7	26	2	49	7	0	2
1700	44	0	63	0	62	0	84	0	0	2	0	2	53	0	78	21	60	0	87	37	57	0	67	46	29	0	44	18	29	2	44	18	0	2
1800	82	0	92	0	146	0	151	0	0	2	0	2	73	0	91	50	80	0	96	62	77	0	88	69	49	0	60	43	49	2	60	43	0	2
1900	73	0	80	0	105	0	113	0	0	2	0	2	84	0	112	64	90	0	116	66	84	0	106	69	56	0	75	38	56	2	75	38	0	2
2000	88	0	95	0	118	0	128	0	0	2	0	2	87	0	110	71	94	0	114	81	92	0	98	86	63	0	68	59	63	2	68	59	0	2
2100	75	0	83	0	131	0	139	0	0	2	0	2	96	0	127	73	105	0	143	78	92	0	103	78	65	0	77	55	65	2	77	55	0	2
2200	121	0	121	0	164	0	171	0	0	2	0	2	109	0	141	72	118	0	150	89	107	0	122	87	78	0	97	57	78	2	97	57	0	2
2300	55	0	75	0	111	0	123	0	0	2	0	2	140	0	206	115	146	0	201	122	140	0	165	119	113	0	149	86	113	2	149	86	0	2
2400	176	0	164	0	256	0	247	0	0	2	0	2	249	0	291	220	252	0	288	221	247	0	261	238	233	0	245	220	233	2	245	220	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	556	0	554	0	554	0	550	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
200	540	0	540	0	543	0	541	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
300	496	0	496	0	507	0	505	0	320	2	320	2	13	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
400	450	0	446	0	469	0	468	0	320	2	320	2	20	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
500	469	0	468	0	464	0	464	0	320	2	320	2	-4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
600	442	0	439	0	441	0	439	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
700	448	0	446	0	451	0	451	0	320	2	320	2	5	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
800	468	0	468	0	462	0	471	0	320	2	320	2	-5	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
900	493	0	493	0	489	0	491	0	320	2	320	2	-5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1000	523	0	525	0	522	0	525	0	320	2	320	2	-5	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1100	532	0	534	0	531	0	534	0	320	2	320	2	-2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1200	520	0	522	0	523	0	527	0	320	2	320	2	4	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1300	504	0	505	0	507	0	507	0	320	2	320	2	4	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1400	518	0	523	0	529	0	523	0	320	2	320	2	5	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1500	502	0	502	0	504	0	500	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1600	507	0	507	0	505	0	505	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1700	538	0	538	0	536	0	534	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1800	531	0	529	0	567	0	563	0	320	2	320	2	36	0	36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1900	572	0	570	0	570	0	565	0	320	2	320	2	-2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2000	532	0	531	0	545	0	538	0	320	2	320	2	16	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	104	0
2100	505	0	504	0	514	0	484	0	320	2	320	2	11	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	112	0
2200	502	0	500	0	495	0	491	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	116	0
2300	500	0	498	0	487	0	482	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	126	0
2400	450	0	448	0	437	0	433	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	WIND DIR2 MIN	MAX	WIND DIR2 30 B	S	WIND DIR3 MIN	MAX	WIND DIR3 150A	S	WIND DIR4 MIN	MAX	WIND DIR4 150B	S	WIND DIR5 MIN	MAX	WIND DIR5	S	WIND DIR6	S
100	157	0	158	0	238	0	228	0	0	2	0	2	255	0	295	208	256	0	294	207	250	0	283	226	237	0	271	200	237	2	271	200	0	2
200	190	0	183	0	283	0	269	0	0	2	0	2	252	0	283	214	255	0	317	222	250	0	283	230	236	0	264	217	236	2	264	217	0	2
300	175	0	162	0	248	0	245	0	0	2	0	2	247	0	283	214	250	0	284	215	243	0	259	224	229	0	242	208	229	2	242	208	0	2
400	155	0	143	0	208	0	200	0	0	2	0	2	239	0	283	202	243	0	303	194	233	0	258	200	218	0	238	186	218	2	238	186	0	2
500	111	0	104	0	159	0	147	0	0	2	0	2	219	0	266	174	221	0	263	180	211	0	234	181	197	0	222	167	197	2	222	167	0	2
600	160	0	146	0	241	0	231	0	0	2	0	2	236	0	270	180	243	0	284	185	233	0	264	195	218	0	243	168	218	2	243	168	0	2
700	170	0	150	0	248	0	230	0	0	2	0	2	240	0	281	202	244	0	297	204	230	0	252	203	216	0	244	193	216	2	244	193	0	2
800	237	0	227	0	345	0	333	0	0	2	0	2	248	0	278	218	252	0	294	197	244	0	264	219	228	0	241	212	228	2	241	212	0	2
900	209	0	212	0	309	0	293	0	0	2	0	2	256	0	293	187	258	0	296	219	250	0	266	221	233	0	253	216	233	2	253	216	0	2
1000	216	0	211	0	329	0	305	0	0	2	0	2	254	0	302	223	256	0	293	225	249	0	275	231	233	0	249	221	233	2	249	221	0	2
1100	211	0	219	0	291	0	289	0	0	2	0	2	258	0	286	224	261	0	292	233	252	0	269	230	235	0	248	220	235	2	248	220	0	2
1200	283	0	307	0	305	0	344	0	0	2	0	2	263	0	285	227	266	0	293	241	261	0	274	252	240	0	249	233	240	2	249	233	0	2
1300	216	0	233	0	264	0	281	0	0	2	0	2	261	0	293	228	265	0	295	228	259	0	276	249	237	0	250	226	237	2	250	226	0	2
1400	207	0	219	0	235	0	261	0	0	2	0	2	260	0	288	232	267	0	293	235	262	0	283	252	240	0	266	219	240	2	266	219	0	2
1500	193	0	199	0	254	0	278	0	0	2	0	2	292	0	312	250	296	0	321	265	293	0	298	284	272	0	279	263	272	2	279	263	0	2
1600	222	0	231	0	274	0	294	0	0	2	0	2	298	0	314	263	301	0	325	278	300	0	313	294	279	0	291	272	279	2	291	272	0	2
1700	219	0	227	0	268	0	279	0	0	2	0	2	303	0	330	264	305	0	329	267	304	0	313	295	284	0	296	276	284	2	296	276	0	2
1800	236	0	242	0	311	0	322	0	0	2	0	2	305	0	342	272	307	0	339	266	310	0	325	298	290	0	301	280	290	2	301	280	0	2
1900	235	0	246	0	329	0	356	0	0	2	0	2	312	0	349	250	315	0	359	284	316	0	331	305	297	0	309	277	297	2	309	277	0	2
2000	203	0	226	0	306	0	331	0	0	2	0	2	308	0	350	254	316	0	2	281	315	0	337	282	297	0	313	278	297	2	313	278	0	2
2100	207	0	230	0	299	0	327	0	0	2	0	2	322	0	356	280	327	0	8	286	323	0	338	297	303	0	322	282	303	2	322	282	0	2
2200	212	0	226	0	311	0	330	0	0	2	0	2	340	0	9	306	342	0	22	311	338	0	2	322	316	0	340	288	316	2	340	288	0	2
2300	216	0	221	0	308	0	323	0	0	2	0	2	340	0	56	278	345	0	55	286	342	0	17	315	320	0	348	303	320	2	348	303	0	2
2400	220	0	234	0	305	0	326	0	0	2	0	2	335	0	14	289	337	0	31	299	337	0	358	304	316	0	329	287	316	2	329	287	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	432	0	430	0	423	0	424	0	320	2	320	2	-7	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
200	424	0	423	0	421	0	415	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
300	423	0	423	0	419	0	414	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
400	419	0	417	0	412	0	410	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
500	412	0	410	0	406	0	403	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
600	414	0	412	0	406	0	405	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
700	401	0	399	0	392	0	390	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
800	399	0	399	0	392	0	385	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
900	383	0	383	0	369	0	365	0	320	2	320	2	-14	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
1000	388	0	387	0	372	0	372	0	320	2	320	2	-14	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
1100	381	0	379	0	365	0	363	0	320	2	320	2	-14	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
1200	369	0	367	0	354	0	351	0	320	2	320	2	-13	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	142	0
1300	376	0	374	0	363	0	361	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	144	0
1400	383	0	383	0	372	0	369	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	145	0
1500	378	0	376	0	360	0	358	0	320	2	320	2	-18	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	146	0
1600	378	0	376	0	361	0	360	0	320	2	320	2	-14	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	147	0
1700	387	0	385	0	372	0	369	0	320	2	320	2	-13	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	147	0
1800	388	0	387	0	374	0	370	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1900	379	0	376	0	363	0	361	0	320	2	320	2	-13	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
2000	376	0	374	0	363	0	360	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
2100	369	0	367	0	354	0	351	0	320	2	320	2	-13	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
2200	376	0	376	0	365	0	361	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2300	378	0	376	0	363	0	361	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	378	0	376	0	363	0	360	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	224	0	240	0	313	0	336	0	0	2	0	2	330	0	1	289	332	0	12	277	329	0	350	310	311	0	352	268	311	2	352	268	0	2
200	189	0	189	0	277	0	228	0	0	2	0	2	323	0	1	272	326	0	11	292	325	0	339	307	307	0	325	292	307	2	325	292	0	2
300	199	0	213	0	275	0	279	0	0	2	0	2	306	0	338	277	308	0	350	283	311	0	329	301	295	0	311	286	295	2	311	286	0	2
400	177	0	180	0	240	0	241	0	0	2	0	2	306	0	353	263	308	0	333	269	310	0	322	296	293	0	304	286	293	2	304	286	0	2
500	170	0	193	0	251	0	253	0	0	2	0	2	307	0	331	264	309	0	330	287	306	0	315	293	290	0	299	281	290	2	299	281	0	2
600	158	0	170	0	247	0	256	0	0	2	0	2	309	0	344	266	310	0	359	263	313	0	331	296	297	0	308	283	297	2	308	283	0	2
700	144	0	160	0	239	0	261	0	0	2	0	2	316	0	357	245	318	0	17	276	318	0	342	286	301	0	319	275	301	2	319	275	0	2
800	123	0	133	0	198	0	217	0	0	2	0	2	322	0	26	275	327	0	38	287	324	0	350	288	306	0	322	275	306	2	322	275	0	2
900	122	0	134	0	163	0	176	0	0	2	0	2	337	0	24	282	342	0	58	293	336	0	1	303	316	0	335	287	316	2	335	287	0	2
1000	141	0	149	0	182	0	196	0	0	2	0	2	338	0	26	279	341	0	31	304	341	0	27	313	321	0	356	302	321	2	356	302	0	2
1100	133	0	138	0	169	0	180	0	0	2	0	2	336	0	18	299	338	0	31	307	336	0	4	305	317	0	342	289	317	2	342	289	0	2
1200	120	0	131	0	163	0	174	0	0	2	0	2	336	0	9	299	337	0	23	299	337	0	4	300	317	0	339	292	317	2	339	292	0	2
1300	143	0	156	0	190	0	206	0	0	2	0	2	334	0	28	295	338	0	20	290	335	0	9	309	317	0	351	279	317	2	351	279	0	2
1400	141	0	155	0	202	0	215	0	0	2	0	2	335	0	15	296	339	0	16	307	334	0	358	314	317	0	334	298	317	2	334	298	0	2
1500	118	0	127	0	145	0	159	0	0	2	0	2	333	0	3	302	334	0	9	297	332	0	1	312	314	0	339	286	314	2	339	286	0	2
1600	84	0	97	0	118	0	132	0	0	2	0	2	337	0	18	281	338	0	48	281	341	0	14	310	323	0	353	289	323	2	353	289	0	2
1700	71	0	87	0	99	0	107	0	0	2	0	2	339	0	30	302	336	0	34	275	340	0	27	299	323	0	1	302	323	2	1	302	0	2
1800	55	0	65	0	77	0	89	0	0	2	0	2	334	0	30	291	333	0	30	298	341	0	14	312	324	0	352	286	324	2	352	286	0	2
1900	60	0	73	0	93	0	105	0	0	2	0	2	339	0	35	292	343	0	51	295	338	0	28	299	323	0	359	287	323	2	359	287	0	2
2000	41	0	53	0	56	0	69	0	0	2	0	2	312	0	357	275	315	0	1	274	318	0	340	290	302	0	323	275	302	2	323	275	0	2
2100	42	0	58	0	78	0	91	0	0	2	0	2	320	0	34	280	322	0	6	270	322	0	352	294	306	0	334	284	306	2	334	284	0	2
2200	56	0	65	0	98	0	107	0	0	2	0	2	296	0	340	246	299	0	353	245	300	0	326	281	286	0	313	269	286	2	313	269	0	2
2300	69	0	76	0	114	0	127	0	0	2	0	2	295	0	341	241	297	0	339	241	299	0	314	279	284	0	302	248	284	2	302	248	0	2
2400	81	0	91	0	130	0	135	0	0	2	0	2	301	0	336	263	300	0	343	251	303	0	324	283	290	0	312	271	290	2	312	271	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	383	0	381	0	370	0	369	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
200	390	0	390	0	383	0	378	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
300	399	0	397	0	396	0	387	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
400	399	0	397	0	390	0	387	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
500	401	0	401	0	394	0	390	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
600	412	0	410	0	405	0	401	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
700	412	0	412	0	405	0	401	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
800	412	0	414	0	410	0	406	0	320	2	320	2	-7	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
900	424	0	424	0	415	0	423	0	320	2	320	2	-9	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1000	419	0	421	0	414	0	419	0	320	2	320	2	-9	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1100	419	0	419	0	406	0	412	0	320	2	320	2	-13	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1200	424	0	426	0	412	0	414	0	320	2	320	2	-14	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1300	432	0	433	0	417	0	419	0	320	2	320	2	-14	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
1400	444	0	448	0	437	0	432	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	147	0
1500	450	0	448	0	448	0	441	0	320	2	320	2	2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	147	0
1600	473	0	477	0	473	0	464	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	147	0
1700	464	0	464	0	468	0	464	0	320	2	320	2	5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	147	0
1800	459	0	459	0	466	0	464	0	320	2	320	2	7	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	147	0
1900	455	0	453	0	457	0	455	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
2000	430	0	428	0	428	0	428	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0
2100	426	0	424	0	428	0	426	0	320	2	320	2	0	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2200	428	0	426	0	428	0	426	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2300	423	0	421	0	423	0	421	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2400	430	0	428	0	428	0	426	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	148	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION .
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	72	0	77	0	137	0	146	0	0	2	0	2	311	0	353	273	309	0	3	270	312	0	350	285	300	0	321	261	300	2	321	261	0	2
200	66	0	74	0	130	0	146	0	0	2	0	2	323	0	359	239	325	0	21	273	320	0	356	289	306	0	327	288	306	2	327	288	0	2
300	98	0	109	0	149	0	163	0	0	2	0	2	335	0	10	273	335	0	12	286	329	0	353	309	315	0	327	291	315	2	327	291	0	2
400	73	0	80	0	121	0	131	0	0	2	0	2	341	0	22	298	340	0	18	301	333	0	354	317	319	0	342	303	319	2	342	303	0	2
500	71	0	81	0	115	0	126	0	0	2	0	2	340	0	14	306	342	0	23	294	333	0	42	300	318	0	11	290	318	2	11	290	0	2
600	75	0	79	0	132	0	140	0	0	2	0	2	341	0	25	307	340	0	23	303	335	0	7	315	320	0	348	296	320	2	348	296	0	2
700	77	0	87	0	129	0	138	0	0	2	0	2	337	0	19	302	337	0	17	285	333	0	356	315	317	0	337	305	317	2	337	305	0	2
800	57	0	77	0	118	0	138	0	0	2	0	2	326	0	76	270	331	0	34	277	325	0	354	291	310	0	345	280	310	2	345	280	0	2
900	61	0	75	0	109	0	126	0	0	2	0	2	321	0	22	272	325	0	30	272	324	0	11	272	309	0	348	253	309	2	348	253	0	2
1000	74	0	89	0	103	0	112	0	0	2	0	2	297	0	350	249	298	0	337	255	307	0	333	280	291	0	307	272	291	2	307	272	0	2
1100	106	0	117	0	159	0	169	0	0	2	0	2	301	0	335	267	302	0	344	268	309	0	332	287	297	0	316	279	297	2	316	279	0	2
1200	91	0	104	0	147	0	157	0	0	2	0	2	299	0	328	256	303	0	354	272	306	0	323	287	292	0	315	256	292	2	315	256	0	2
1300	96	0	109	0	154	0	166	0	0	2	0	2	303	0	341	269	301	0	337	226	312	0	330	291	297	0	310	270	297	2	310	270	0	2
1400	112	0	129	0	186	0	192	0	0	2	0	2	299	0	333	262	302	0	328	269	307	0	331	294	293	0	309	278	293	2	309	278	0	2
1500	105	0	118	0	159	0	170	0	0	2	0	2	301	0	340	268	302	0	330	248	309	0	324	285	294	0	313	267	294	2	313	267	0	2
1600	81	0	96	0	164	0	181	0	0	2	0	2	322	0	14	272	326	0	25	280	328	0	351	290	312	0	329	251	312	2	329	251	0	2
1700	115	0	130	0	176	0	186	0	0	2	0	2	341	0	23	292	342	0	19	305	341	0	8	310	326	0	347	295	326	2	347	295	0	2
1800	90	0	101	0	151	0	166	0	0	2	0	2	341	0	21	276	339	0	27	294	340	0	8	306	324	0	344	304	324	2	344	304	0	2
1900	62	0	70	0	106	0	114	0	0	2	0	2	16	0	76	295	22	0	79	305	356	0	61	276	338	0	44	294	338	2	44	294	0	2
2000	65	0	75	0	122	0	130	0	0	2	0	2	4	0	57	320	6	0	77	326	3	0	24	343	343	0	0	314	343	2	0	314	0	2
2100	69	0	83	0	111	0	123	0	0	2	0	2	341	0	14	315	341	0	11	309	351	0	5	334	334	0	358	317	334	2	358	317	0	2
2200	75	0	90	0	108	0	120	0	0	2	0	2	337	0	12	293	339	0	7	308	343	0	359	325	328	0	343	310	328	2	343	310	0	2
2300	43	0	53	0	76	0	85	0	0	2	0	2	351	0	29	306	353	0	67	314	356	0	23	324	338	0	354	314	338	2	354	314	0	2
2400	37	0	50	0	67	0	76	0	0	2	0	2	353	0	35	308	356	0	37	315	4	0	34	335	346	0	14	316	346	2	14	316	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	428	0	426	0	426	0	426	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
200	424	0	423	0	423	0	423	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
300	426	0	424	0	424	0	423	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
400	428	0	424	0	426	0	424	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
500	428	0	426	0	426	0	426	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
600	433	0	432	0	433	0	433	0	320	2	320	2	0	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
700	446	0	444	0	439	0	444	0	320	2	320	2	-7	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
800	451	0	450	0	441	0	450	0	320	2	320	2	-9	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
900	466	0	466	0	453	0	468	0	320	2	320	2	-13	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1000	473	0	473	0	448	0	462	0	320	2	320	2	-23	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1100	475	0	477	0	453	0	455	0	320	2	320	2	-25	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1200	486	0	486	0	453	0	455	0	320	2	320	2	-34	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1300	511	0	509	0	475	0	477	0	320	2	320	2	-36	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1400	516	0	514	0	482	0	480	0	320	2	320	2	-34	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1500	504	0	500	0	473	0	468	0	320	2	320	2	-29	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1600	500	0	502	0	487	0	480	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1700	491	0	491	0	493	0	489	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1800	487	0	487	0	493	0	489	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1900	491	0	489	0	495	0	493	0	320	2	320	2	4	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2000	455	0	451	0	459	0	457	0	320	2	320	2	5	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2100	446	0	444	0	451	0	450	0	320	2	320	2	5	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2200	448	0	446	0	446	0	444	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2300	441	0	439	0	441	0	439	0	320	2	320	2	0	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2400	442	0	441	0	446	0	444	0	320	2	320	2	4	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	43	0	56	0	60	0	71	0	0	2	0	2	312	0	356	282	313	0	347	272	321	0	0	291	308	0	343	279	308	2	343	279	0	2
200	46	0	55	0	59	0	66	0	0	2	0	2	304	0	331	270	305	0	327	270	308	0	329	292	297	0	314	280	297	2	314	280	0	2
300	38	0	48	0	49	0	59	0	0	2	0	2	319	0	341	290	320	0	354	289	324	0	350	298	311	0	337	287	311	2	337	287	0	2
400	25	0	34	0	79	0	85	0	0	2	0	2	356	3	28	325	356	0	35	326	7	0	13	354	351	0	357	340	351	2	357	340	0	2
500	20	0	31	0	18	0	26	0	0	2	0	2	280	0	323	247	278	0	317	248	312	0	26	272	295	0	356	259	295	2	356	259	0	2
600	26	0	35	0	23	0	30	0	0	2	0	2	305	0	330	276	303	0	327	277	291	0	320	268	282	0	308	266	282	2	308	266	0	2
700	19	0	29	0	26	0	34	0	0	2	0	2	318	0	24	276	316	3	40	284	328	0	25	293	317	0	1	286	317	2	1	286	0	2
800	18	0	30	0	11	0	19	0	0	2	0	2	300	0	341	258	294	0	332	247	317	3	56	271	300	0	350	249	300	2	350	249	0	2
900	33	0	44	0	25	0	34	0	0	2	0	2	276	0	316	233	274	0	314	237	296	0	357	233	291	0	359	236	291	2	359	236	0	2
1000	37	0	46	0	41	0	49	0	0	2	0	2	304	0	347	255	296	0	356	236	320	0	351	269	307	0	333	266	307	2	333	266	0	2
1100	51	0	59	0	49	0	57	0	0	2	0	2	300	0	346	243	294	0	337	241	297	0	334	276	287	0	307	261	287	2	307	261	0	2
1200	52	0	58	0	56	0	64	0	0	2	0	2	301	0	345	247	299	0	335	261	304	0	336	281	293	0	319	272	293	2	319	272	0	2
1300	54	0	62	0	50	0	60	0	0	2	0	2	299	0	339	263	293	0	332	257	289	0	358	251	280	0	344	251	280	2	344	251	0	2
1400	53	0	63	0	45	0	56	0	0	2	0	2	298	0	329	264	296	0	327	264	271	0	293	245	261	0	277	239	261	2	277	239	0	2
1500	34	0	42	0	51	0	59	0	0	2	0	2	312	0	359	257	304	0	341	250	332	0	358	296	321	0	355	256	321	2	355	256	0	2
1600	28	0	36	0	43	0	48	0	0	2	0	2	304	3	352	212	299	0	350	233	349	0	96	295	335	0	25	282	335	2	25	282	0	2
1700	37	0	47	0	61	0	68	0	0	2	0	2	314	0	358	246	304	0	357	227	332	0	359	292	320	0	349	280	320	2	349	280	0	2
1800	32	0	42	0	60	0	70	0	0	2	0	2	336	0	58	276	332	0	25	277	349	0	11	301	336	0	358	298	336	2	358	298	0	2
1900	32	0	41	0	53	0	60	0	0	2	0	2	39	0	74	347	41	0	80	354	28	0	83	349	10	0	35	341	10	2	35	341	0	2
2000	37	0	49	0	59	0	79	0	0	2	0	2	66	0	80	49	71	0	84	58	50	0	59	42	30	0	37	24	30	2	37	24	0	2
2100	58	0	65	0	68	0	87	0	0	2	0	2	79	0	81	75	84	0	86	80	55	0	59	49	34	0	37	30	34	2	37	30	0	2
2200	31	0	49	0	58	0	80	0	0	2	0	2	59	0	68	51	61	0	72	53	49	0	55	45	29	0	33	24	29	2	33	24	0	2
2300	16	0	27	0	44	0	51	0	0	2	0	2	322	0	20	290	319	3	9	291	19	0	34	1	2	0	15	336	2	2	15	336	0	2
2400	42	0	53	0	56	0	66	0	0	2	0	2	320	0	3	302	316	0	356	301	340	0	25	304	327	0	2	297	327	2	2	297	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	433	0	432	0	433	0	433	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
200	423	0	423	0	423	0	423	0	320	2	320	2	0	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
300	417	0	415	0	419	0	421	0	320	2	320	2	4	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
400	421	0	417	0	473	0	475	0	320	2	320	2	54	0	58	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
500	401	0	399	0	415	0	421	0	320	2	320	2	16	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
600	401	0	399	0	419	0	430	0	320	2	320	2	18	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
700	435	0	433	0	430	0	439	0	320	2	320	2	-5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
800	468	0	466	0	477	0	502	0	320	2	320	2	9	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
900	480	0	478	0	484	0	518	0	320	2	320	2	4	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1000	471	0	468	0	468	0	487	0	320	2	320	2	-4	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1100	482	0	480	0	473	0	480	0	320	2	320	2	-13	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1200	487	0	486	0	475	0	478	0	320	2	320	2	-16	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1300	511	0	507	0	498	0	502	0	320	2	320	2	-11	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1400	520	0	516	0	509	0	502	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1500	529	0	523	0	529	0	518	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1600	527	0	522	0	543	0	536	0	320	2	320	2	18	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1700	523	0	518	0	532	0	525	0	320	2	320	2	11	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1800	516	0	514	0	532	0	531	0	320	2	320	2	18	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1900	511	0	509	0	529	0	531	0	320	2	320	2	20	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2000	482	0	480	0	505	0	507	0	320	2	320	2	25	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2100	498	0	496	0	525	0	527	0	320	2	320	2	29	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2200	478	0	478	0	511	0	513	0	320	2	320	2	34	0	36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2300	462	0	460	0	504	0	507	0	320	2	320	2	41	0	47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2400	457	0	455	0	498	0	500	0	320	2	320	2	43	0	45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0

STATUS CODE(S) DEFINITIONS; 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	54	0	64	0	77	0	89	0	0	2	0	2	328	0	14	292	327	0	356	301	328	0	335	318	317	0	323	310	317	2	323	310	0	2
200	51	0	59	0	93	0	101	0	0	2	0	2	353	0	57	320	351	0	43	314	346	0	10	333	333	0	348	320	333	2	348	320	0	2
300	60	0	69	0	87	0	95	0	0	2	0	2	348	0	14	321	345	0	8	324	347	0	0	338	335	0	351	328	335	2	351	328	0	2
400	60	0	73	0	79	0	89	0	0	2	0	2	332	0	353	299	331	0	7	301	329	0	338	316	318	0	325	313	318	2	325	313	0	2
500	38	0	47	0	66	0	73	0	0	2	0	2	353	0	67	308	350	0	35	303	350	0	28	337	336	0	17	320	336	2	17	320	0	2
600	33	0	42	0	55	0	61	0	0	2	0	2	359	0	41	297	352	0	52	305	350	0	13	326	337	0	352	312	337	2	352	312	0	2
700	10	0	20	0	28	0	34	0	0	2	0	2	25	3	98	295	22	3	91	279	27	0	66	336	10	3	39	337	10	2	39	337	0	2
800	23	0	31	0	21	0	26	0	0	2	0	2	345	3	149	274	342	0	145	274	30	3	149	285	8	3	99	292	8	2	99	292	0	2
900	35	0	44	0	44	0	52	0	0	2	0	2	304	0	344	219	302	0	345	252	308	0	332	244	299	0	328	244	299	2	328	244	0	2
1000	41	0	50	0	37	0	45	0	0	2	0	2	305	0	350	264	302	0	333	263	315	0	348	282	306	0	327	279	306	2	327	279	0	2
1100	63	0	73	0	59	0	71	0	0	2	0	2	298	0	333	270	295	0	328	270	290	0	308	257	278	0	298	241	278	2	298	241	0	2
1200	32	0	44	0	52	0	61	0	0	2	0	2	329	0	25	271	326	0	28	272	352	0	47	320	337	0	10	298	337	2	10	298	0	2
1300	42	0	54	0	72	0	81	0	0	2	0	2	339	0	24	278	338	0	31	276	353	0	41	299	338	0	8	287	338	2	8	287	0	2
1400	67	0	79	0	109	0	117	0	0	2	0	2	346	0	31	282	344	0	24	283	352	0	14	323	335	0	353	304	335	2	353	304	0	2
1500	50	0	59	0	87	0	98	0	0	2	0	2	7	0	82	274	11	0	74	276	1	0	47	307	346	0	42	286	346	2	42	286	0	2
1600	62	0	71	0	75	0	88	0	0	2	0	2	308	0	12	278	301	0	342	255	319	0	22	295	305	0	332	282	305	2	332	282	0	2
1700	70	0	82	0	116	0	125	0	0	2	0	2	17	0	56	292	16	0	81	281	8	0	51	319	349	0	21	303	349	2	21	303	0	2
1800	108	0	119	0	144	0	152	0	0	2	0	2	35	0	66	7	36	0	85	0	28	0	68	1	7	0	41	342	7	2	41	342	0	2
1900	114	0	124	0	146	0	158	0	0	2	0	2	38	0	62	8	42	0	75	14	32	0	60	355	13	0	43	349	13	2	43	349	0	2
2000	81	0	97	0	125	0	140	0	0	2	0	2	49	0	73	28	54	0	86	24	39	0	63	15	18	0	37	1	18	2	37	1	0	2
2100	90	0	111	0	130	0	159	0	0	2	0	2	56	0	87	37	62	0	96	33	48	0	66	31	25	0	41	9	25	2	41	9	0	2
2200	65	0	79	0	115	0	143	0	0	2	0	2	67	0	90	44	73	0	91	59	58	0	68	49	34	0	42	23	34	2	42	23	0	2
2300	82	0	89	0	159	0	163	0	0	2	0	2	83	0	100	74	87	0	102	75	74	0	78	71	51	0	56	48	51	2	56	48	0	2
2400	91	0	96	0	169	0	173	0	0	2	0	2	93	0	105	83	99	0	114	88	81	0	84	78	57	0	60	54	57	2	60	54	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	444	0	442	0	450	0	450	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
200	435	0	433	0	446	0	446	0	320	2	320	2	13	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
300	441	0	437	0	446	0	448	0	320	2	320	2	7	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
400	439	0	437	0	437	0	439	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
500	430	0	426	0	433	0	433	0	320	2	320	2	4	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
600	428	0	426	0	433	0	435	0	320	2	320	2	4	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
700	455	0	453	0	451	0	464	0	320	2	320	2	-4	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
800	487	0	487	0	487	0	513	0	320	2	320	2	0	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
900	489	0	486	0	477	0	502	0	320	2	320	2	-11	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1000	500	0	496	0	507	0	531	0	320	2	320	2	9	0	36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1100	496	0	493	0	471	0	480	0	320	2	320	2	-23	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1200	523	0	522	0	529	0	538	0	320	2	320	2	5	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1300	563	0	561	0	547	0	549	0	320	2	320	2	-13	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1400	568	0	568	0	570	0	565	0	320	2	320	2	4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1500	577	0	577	0	581	0	576	0	320	2	320	2	5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1600	532	0	529	0	527	0	518	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1700	525	0	525	0	532	0	529	0	320	2	320	2	9	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1800	576	0	576	0	586	0	585	0	320	2	320	2	11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1900	583	0	581	0	590	0	588	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2000	554	0	552	0	558	0	558	0	320	2	320	2	4	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2100	554	0	552	0	567	0	565	0	320	2	320	2	13	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2200	536	0	534	0	547	0	565	0	320	2	320	2	31	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2300	532	0	531	0	577	0	576	0	320	2	320	2	47	0	47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2400	538	0	536	0	590	0	586	0	320	2	320	2	52	0	54	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	93	0	99	0	165	0	170	0	0	2	0	2	98	0	108	87	104	0	120	91	89	0	92	86	65	0	69	63	65	2	69	63	0	2
200	91	0	98	0	168	0	173	0	0	2	0	2	97	0	113	85	101	0	118	85	85	0	88	81	60	0	64	57	60	2	64	57	0	2
300	89	0	96	0	162	0	164	0	0	2	0	2	105	0	111	96	111	0	119	105	97	0	97	95	73	0	75	72	73	2	75	72	0	2
400	90	0	96	0	145	0	152	0	0	2	0	2	108	0	119	95	114	0	124	102	114	0	123	108	89	0	97	84	89	2	97	84	0	2
500	76	0	83	0	133	0	141	0	0	2	0	2	120	0	129	114	127	0	133	123	126	0	131	120	101	0	105	97	101	2	105	97	0	2
600	86	0	98	0	164	0	165	0	0	2	0	2	134	0	143	125	139	0	146	134	136	0	140	133	112	0	115	109	112	2	115	109	0	2
700	70	0	87	0	141	0	147	0	0	2	0	2	135	0	166	118	138	0	161	124	139	0	148	127	114	0	120	106	114	2	120	106	0	2
800	72	0	90	0	111	0	124	0	0	2	0	2	135	0	160	112	140	0	178	106	151	0	234	124	131	0	145	110	131	2	145	110	0	2
900	62	0	74	0	88	0	96	0	0	2	0	2	144	0	196	113	148	0	179	114	143	0	162	119	130	0	144	109	130	2	144	109	0	2
1000	75	0	82	0	85	0	97	0	0	2	0	2	124	0	166	92	125	0	166	87	126	0	158	94	114	0	141	81	114	2	141	81	0	2
1100	59	0	70	0	77	0	89	0	0	2	0	2	132	0	176	80	140	0	185	97	138	0	169	110	124	0	144	93	124	2	144	93	0	2
1200	48	0	58	0	66	0	75	0	0	2	0	2	125	0	178	71	125	0	179	8	134	0	178	51	119	0	175	51	119	2	175	51	0	2
1300	55	0	70	0	75	0	83	0	0	2	0	2	344	0	79	271	342	0	61	270	335	0	40	283	317	0	25	272	317	2	25	272	0	2
1400	63	0	70	0	87	0	100	0	0	2	0	2	321	0	356	261	317	0	358	242	325	0	6	282	311	0	338	277	311	2	338	277	0	2
1500	83	0	93	0	121	0	128	0	0	2	0	2	350	0	30	294	348	0	34	303	348	0	10	326	331	0	357	318	331	2	357	318	0	2
1600	85	0	92	0	107	0	116	0	0	2	0	2	24	0	80	349	24	0	62	350	359	0	46	304	343	0	27	311	343	2	27	311	0	2
1700	79	0	88	0	104	0	116	0	0	2	0	2	23	0	73	348	23	0	70	332	1	0	33	316	346	0	20	314	346	2	20	314	0	2
1800	73	0	82	0	97	0	104	0	0	2	0	2	29	0	65	350	29	0	67	354	16	0	43	317	358	0	30	329	358	2	30	329	0	2
1900	83	0	92	0	119	0	126	0	0	2	0	2	40	0	67	12	44	0	77	17	28	0	48	1	8	0	22	344	8	2	22	344	0	2
2000	76	0	93	0	116	0	142	0	0	2	0	2	53	0	78	28	57	0	93	24	48	0	77	32	24	0	41	3	24	2	41	3	0	2
2100	70	0	87	0	108	0	135	0	0	2	0	2	65	0	89	35	70	0	90	49	60	0	75	46	36	0	51	24	36	2	51	24	0	2
2200	83	0	90	0	148	0	157	0	0	2	0	2	80	0	102	63	84	0	111	67	70	0	80	62	46	0	54	38	46	2	54	38	0	2
2300	92	0	98	0	158	0	163	0	0	2	0	2	93	0	111	78	99	0	122	86	81	0	85	77	57	0	61	53	57	2	61	53	0	2
2400	99	0	102	0	173	0	176	0	0	2	0	2	102	0	115	82	111	0	127	93	102	0	108	95	79	0	84	73	79	2	84	73	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	540	0	538	0	581	0	579	0	320	2	320	2	43	0	43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
200	538	0	536	0	590	0	588	0	320	2	320	2	54	0	54	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
300	534	0	532	0	585	0	583	0	320	2	320	2	52	0	52	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
400	514	0	514	0	556	0	558	0	320	2	320	2	41	0	47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
500	505	0	504	0	552	0	552	0	320	2	320	2	49	0	50	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
600	509	0	507	0	561	0	559	0	320	2	320	2	52	0	54	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
700	516	0	514	0	531	0	532	0	320	2	320	2	16	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
800	563	0	567	0	559	0	565	0	320	2	320	2	-11	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
900	624	0	624	0	598	0	619	0	320	2	320	2	-25	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1000	644	0	642	0	628	0	646	0	320	2	320	2	-14	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1100	682	0	682	0	655	0	667	0	320	2	320	2	-29	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1200	700	0	698	0	676	0	685	0	320	2	320	2	-22	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1300	682	0	682	0	658	0	660	0	320	2	320	2	-23	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1400	642	0	640	0	648	0	633	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1500	640	0	640	0	651	0	644	0	320	2	320	2	11	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1600	633	0	633	0	642	0	639	0	320	2	320	2	11	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1700	628	0	628	0	642	0	639	0	320	2	320	2	14	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1800	630	0	630	0	644	0	642	0	320	2	320	2	14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1900	610	0	608	0	613	0	612	0	320	2	320	2	4	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2000	579	0	579	0	586	0	585	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2100	568	0	567	0	581	0	577	0	320	2	320	2	13	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2200	565	0	563	0	590	0	588	0	320	2	320	2	27	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2300	556	0	554	0	597	0	594	0	320	2	320	2	41	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2400	549	0	547	0	579	0	579	0	320	2	320	2	32	0	34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	101	0	104	0	154	0	160	0	0	2	0	2	102	0	130	85	111	0	140	92	113	0	120	108	89	0	96	84	89	2	96	84	0	2
200	110	0	114	0	163	0	174	0	0	2	0	2	117	0	130	104	125	0	135	112	126	0	132	120	102	0	107	98	102	2	107	98	0	2
300	112	0	124	0	175	0	190	0	0	2	0	2	121	0	130	109	130	0	141	118	128	0	132	123	104	0	109	98	104	2	109	98	0	2
400	97	0	108	0	155	0	174	0	0	2	0	2	119	0	129	110	129	0	142	113	129	0	135	124	105	0	114	101	105	2	114	101	0	2
500	75	0	83	0	126	0	134	0	0	2	0	2	113	0	124	98	123	0	136	103	121	0	130	114	99	0	106	92	99	2	106	92	0	2
600	88	0	91	0	132	0	138	0	0	2	0	2	103	0	122	80	111	0	135	90	112	0	118	105	89	0	95	84	89	2	95	84	0	2
700	100	0	100	0	142	0	148	0	0	2	0	2	107	0	126	81	116	0	150	92	109	0	129	97	86	0	97	76	86	2	97	76	0	2
800	114	0	114	0	120	0	132	0	0	2	0	2	111	0	135	82	119	0	141	88	123	0	249	90	92	0	119	71	92	2	119	71	0	2
900	89	0	97	0	106	0	116	0	0	2	0	2	108	0	137	69	119	0	151	69	122	0	256	90	87	0	113	66	87	2	113	66	0	2
1000	112	0	118	0	123	0	131	0	0	2	0	2	110	0	143	83	120	0	172	88	120	0	269	94	89	0	117	68	89	2	117	68	0	2
1100	101	0	117	0	125	0	138	0	0	2	0	2	130	0	176	95	131	0	170	90	129	0	251	99	98	0	126	73	98	2	126	73	0	2
1200	105	0	113	0	126	0	139	0	0	2	0	2	124	0	170	75	124	0	172	66	121	0	154	63	95	0	124	42	95	2	124	42	0	2
1300	122	0	130	0	151	0	160	0	0	2	0	2	118	0	162	88	119	0	166	81	111	0	152	89	86	0	121	62	86	2	121	62	0	2
1400	124	0	132	0	147	0	158	0	0	2	0	2	122	0	155	64	122	0	162	67	122	0	267	90	90	0	130	65	90	2	130	65	0	2
1500	132	0	139	0	151	0	162	0	0	2	0	2	119	0	144	79	118	0	148	73	111	0	140	72	85	0	116	44	85	2	116	44	0	2
1600	131	0	136	0	163	0	167	0	0	2	0	2	106	0	155	51	105	0	145	55	101	0	131	62	75	0	105	31	75	2	105	31	0	2
1700	79	0	89	0	104	0	115	0	0	2	0	2	116	0	138	79	115	0	152	82	112	0	144	78	86	0	119	55	86	2	119	55	0	2
1800	119	0	124	0	145	0	150	0	0	2	0	2	105	0	139	70	104	0	136	66	96	0	140	69	71	0	94	53	71	2	94	53	0	2
1900	93	0	97	0	117	0	122	0	0	2	0	2	106	0	132	75	104	0	145	65	96	0	123	68	73	0	95	52	73	2	95	52	0	2
2000	67	0	75	0	107	0	114	0	0	2	0	2	114	0	133	83	115	0	148	92	108	0	116	95	82	0	94	71	82	2	94	71	0	2
2100	64	0	74	0	115	0	121	0	0	2	0	2	97	0	120	75	97	0	117	77	97	0	103	90	72	0	77	65	72	2	77	65	0	2
2200	59	0	69	0	89	0	96	0	0	2	0	2	83	0	98	71	83	0	102	72	85	0	95	72	62	0	77	52	62	2	77	52	0	2
2300	65	0	73	0	111	0	119	0	0	2	0	2	85	0	98	69	87	0	104	72	89	0	92	85	65	0	69	61	65	2	69	61	0	2
2400	60	0	68	0	104	0	112	0	0	2	0	2	112	0	125	98	115	0	126	103	113	0	118	108	88	0	104	82	88	2	104	82	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	534	0	532	0	565	0	565	0	320	2	320	2	32	0	34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
200	529	0	529	0	549	0	547	0	320	2	320	2	22	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
300	520	0	518	0	538	0	536	0	320	2	320	2	20	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
400	505	0	504	0	523	0	522	0	320	2	320	2	18	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
500	493	0	491	0	504	0	501	0	320	2	320	2	13	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
600	480	0	478	0	491	0	493	0	320	2	320	2	13	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
700	495	0	493	0	496	0	495	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
800	538	0	540	0	540	0	543	0	320	2	320	2	-7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
900	576	0	579	0	576	0	583	0	320	2	320	2	-9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1000	599	0	601	0	599	0	604	0	320	2	320	2	-7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1100	621	0	621	0	613	0	617	0	320	2	320	2	-11	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1200	640	0	640	0	628	0	631	0	320	2	320	2	-14	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1300	657	0	657	0	642	0	644	0	320	2	320	2	-13	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1400	653	0	651	0	649	0	642	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1500	642	0	640	0	642	0	637	0	320	2	320	2	-2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1600	642	0	640	0	648	0	640	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1700	635	0	634	0	639	0	637	0	320	2	320	2	5	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1800	626	0	626	0	628	0	626	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1900	612	0	610	0	610	0	608	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2000	579	0	577	0	577	0	577	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2100	556	0	552	0	568	0	567	0	320	2	320	2	14	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2200	534	0	534	0	547	0	540	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2300	520	0	520	0	541	0	538	0	320	2	320	2	22	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2400	500	0	498	0	520	0	520	0	320	2	320	2	20	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	57	0	71	0	114	0	121	0	0	2	0	2	127	0	139	117	130	0	139	120	135	0	140	129	109	0	113	104	109	2	113	104	0	2
200	79	0	82	0	110	0	124	0	0	2	0	2	119	0	131	104	123	0	134	112	128	0	136	122	102	0	107	94	102	2	107	94	0	2
300	62	0	70	0	101	0	110	0	0	2	0	2	103	0	116	84	105	0	120	95	114	0	119	109	89	0	95	85	89	2	95	85	0	2
400	79	0	87	0	133	0	138	0	0	2	0	2	100	0	115	86	101	0	119	78	106	0	110	99	81	0	86	76	81	2	86	76	0	2
500	85	0	94	0	142	0	148	0	0	2	0	2	88	0	104	69	90	0	108	70	89	0	92	84	65	0	68	60	65	2	68	60	0	2
600	84	0	90	0	142	0	147	0	0	2	0	2	77	0	110	54	78	0	95	61	78	0	84	70	55	0	60	47	55	2	60	47	0	2
700	66	0	84	0	92	0	121	0	0	2	0	2	67	0	99	44	69	0	98	43	58	0	77	333	35	0	59	15	35	2	59	15	0	2
800	84	0	98	0	95	0	112	0	0	2	0	2	73	0	101	46	76	0	111	45	59	0	82	297	38	0	61	14	38	2	61	14	0	2
900	95	0	110	0	117	0	131	0	0	2	0	2	74	0	116	11	77	0	136	22	68	0	96	32	44	0	71	12	44	2	71	12	0	2
1000	77	0	98	0	102	0	123	0	0	2	0	2	56	0	113	15	61	0	114	8	60	0	102	11	36	0	64	348	36	2	64	348	0	2
1100	66	0	80	0	87	0	96	0	0	2	0	2	16	0	64	297	19	0	75	313	11	0	67	307	355	0	85	285	355	2	85	285	0	2
1200	134	0	144	0	180	0	188	0	0	2	0	2	16	0	59	336	19	0	67	325	7	0	46	333	349	0	27	326	349	2	27	326	0	2
1300	99	0	111	0	145	0	155	0	0	2	0	2	20	0	70	309	24	0	72	316	2	0	44	318	343	0	29	305	343	2	29	305	0	2
1400	141	0	152	0	175	0	182	0	0	2	0	2	19	0	81	347	22	0	87	333	5	0	28	328	347	0	10	308	347	2	10	308	0	2
1500	135	0	141	0	170	0	179	0	0	2	0	2	18	0	75	340	21	0	59	340	8	0	44	332	351	0	51	303	351	2	51	303	0	2
1600	138	0	146	0	179	0	184	0	0	2	0	2	21	0	54	326	23	0	56	333	10	0	39	337	353	0	23	330	353	2	23	330	0	2
1700	129	0	136	0	171	0	177	0	0	2	0	2	18	0	53	326	21	0	66	337	8	0	55	326	352	0	26	296	352	2	26	296	0	2
1800	117	0	125	0	159	0	167	0	0	2	0	2	27	0	58	353	32	0	79	349	15	0	42	333	358	0	25	311	358	2	25	311	0	2
1900	97	0	105	0	139	0	145	0	0	2	0	2	24	0	58	347	27	0	68	345	13	0	51	345	357	0	23	322	357	2	23	322	0	2
2000	78	0	88	0	134	0	142	0	0	2	0	2	19	0	68	327	22	0	56	323	6	0	26	343	350	0	10	326	350	2	10	326	0	2
2100	59	0	69	0	120	0	131	0	0	2	0	2	359	0	40	309	0	0	62	319	2	0	25	342	345	0	1	315	345	2	1	315	0	2
2200	78	0	92	0	136	0	145	0	0	2	0	2	14	0	45	338	17	0	63	344	6	0	39	333	349	0	3	328	349	2	3	328	0	2
2300	79	0	85	0	137	0	146	0	0	2	0	2	21	0	56	332	26	0	62	348	8	0	25	340	352	0	11	328	352	2	11	328	0	2
2400	88	0	97	0	152	0	159	0	0	2	0	2	24	0	45	3	26	0	52	356	15	0	29	356	358	0	14	346	358	2	14	346	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	493	0	491	0	507	0	505	0	320	2	320	2	16	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
200	477	0	475	0	495	0	493	0	320	2	320	2	20	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
300	459	0	457	0	482	0	482	0	320	2	320	2	23	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
400	451	0	448	0	473	0	473	0	320	2	320	2	22	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
500	441	0	437	0	464	0	460	0	320	2	320	2	23	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
600	435	0	433	0	471	0	469	0	320	2	320	2	36	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
700	473	0	471	0	473	0	473	0	320	2	320	2	0	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
800	516	0	516	0	511	0	523	0	320	2	320	2	-9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
900	548	0	549	0	534	0	554	0	320	2	320	2	-13	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1000	570	0	570	0	559	0	577	0	320	2	320	2	-11	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1100	567	0	570	0	556	0	559	0	320	2	320	2	-16	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1200	534	0	538	0	532	0	527	0	320	2	320	2	-11	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1300	536	0	538	0	525	0	522	0	320	2	320	2	-14	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1400	534	0	536	0	531	0	527	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1500	522	0	523	0	518	0	513	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1600	505	0	505	0	505	0	500	0	320	2	320	2	2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1700	505	0	505	0	511	0	509	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1800	514	0	514	0	522	0	520	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1900	491	0	489	0	493	0	493	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2000	475	0	473	0	475	0	473	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2100	475	0	473	0	480	0	478	0	320	2	320	2	5	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2200	478	0	477	0	497	0	486	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2300	480	0	477	0	486	0	484	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2400	477	0	475	0	486	0	484	0	320	2	320	2	11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	59	0	70	0	99	0	105	0	0	2	0	2	38	0	65	14	41	0	67	17	30	0	51	6	11	0	33	350	11	2	33	350	0	2
200	24	0	43	0	83	0	100	0	0	2	0	2	52	3	65	35	55	0	66	40	52	0	56	46	30	0	36	26	30	2	36	26	0	2
300	47	0	58	0	90	0	98	0	0	2	0	2	30	0	67	357	32	0	62	0	16	0	28	347	359	0	15	318	359	2	15	318	0	2
400	86	0	94	0	153	0	160	0	0	2	0	2	26	0	68	345	29	0	78	3	16	0	32	351	1	0	14	349	1	2	14	349	0	2
500	84	0	94	0	171	0	179	0	0	2	0	2	21	0	51	351	19	0	49	345	8	0	24	0	352	0	2	343	352	2	2	343	0	2
600	85	0	95	0	188	0	197	0	0	2	0	2	357	0	22	316	354	0	18	321	356	0	0	354	341	0	344	337	341	2	344	337	0	2
700	20	0	34	0	52	0	67	0	0	2	0	2	72	3	118	10	78	0	134	28	41	0	61	20	20	0	41	353	20	2	41	353	0	2
800	25	0	35	0	53	0	63	0	0	2	0	2	12	3	70	306	10	0	66	289	30	0	66	317	12	0	37	348	12	2	37	348	0	2
900	18	0	31	0	43	0	56	0	0	2	0	2	345	3	54	275	351	0	74	277	29	0	54	1	8	0	26	343	8	2	26	343	0	2
1000	40	0	56	0	71	0	81	0	0	2	0	2	324	0	5	289	324	0	352	281	358	0	25	308	343	0	14	299	343	2	14	299	0	2
1100	57	0	68	0	85	0	96	0	0	2	0	2	306	0	354	252	304	0	344	267	322	0	1	292	307	0	346	280	307	2	346	280	0	2
1200	60	0	72	0	81	0	94	0	0	2	0	2	307	0	354	253	308	0	353	260	318	0	345	279	304	0	335	272	304	2	335	272	0	2
1300	76	0	85	0	71	0	87	0	0	2	0	2	294	0	319	276	292	0	326	264	291	0	306	277	278	0	292	263	278	2	292	263	0	2
1400	58	0	73	0	81	0	95	0	0	2	0	2	311	0	353	274	307	0	330	257	313	0	332	294	299	0	313	281	299	2	313	281	0	2
1500	60	0	78	0	88	0	99	0	0	2	0	2	323	0	359	275	323	0	5	270	334	0	9	299	318	0	340	282	318	2	340	282	0	2
1600	57	0	71	0	90	0	102	0	0	2	0	2	345	0	52	284	344	0	51	290	344	0	42	271	329	0	7	274	329	2	7	274	0	2
1700	48	0	60	0	65	0	77	0	0	2	0	2	294	0	326	265	293	0	331	261	310	0	335	277	297	0	313	270	297	2	313	270	0	2
1800	42	0	52	0	70	0	83	0	0	2	0	2	292	0	348	249	290	0	320	224	318	0	334	283	304	0	321	279	304	2	321	279	0	2
1900	48	0	64	0	69	0	85	0	0	2	0	2	276	0	321	240	278	0	326	243	280	0	304	229	267	0	292	225	267	2	292	225	0	2
2000	52	0	67	0	60	0	75	0	0	2	0	2	269	0	293	247	270	0	302	236	280	0	319	253	266	0	298	242	266	2	298	242	0	2
2100	56	0	72	0	75	0	91	0	0	2	0	2	276	0	306	253	275	0	298	259	310	0	332	270	294	0	318	261	294	2	318	261	0	2
2200	39	0	52	0	95	0	106	0	0	2	0	2	354	0	48	310	354	0	49	308	358	0	14	321	340	0	356	327	340	2	356	327	0	2
2300	57	0	68	0	110	0	120	0	0	2	0	2	351	0	27	313	351	0	27	302	357	0	18	339	339	0	7	323	339	2	7	323	0	2
2400	85	0	92	0	133	0	140	0	0	2	0	2	19	0	70	352	24	0	63	354	10	0	36	352	351	0	18	328	351	2	18	328	0	2

HOUR	AMB TEM1 30 A	S	AMB TEM2 30 B	S	AMB TEM3 100A	S	AMB TEM4 180B	S	AMB TEM5	S	AMB TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	469	0	468	0	471	0	469	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
200	442	0	442	0	495	0	493	0	320	2	320	2	52	0	52	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
300	450	0	446	0	457	0	455	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
400	462	0	459	0	484	0	482	0	320	2	320	2	23	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
500	469	0	468	0	514	0	514	0	320	2	320	2	47	0	49	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
600	471	0	469	0	532	0	532	0	320	2	320	2	63	0	67	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
700	484	0	482	0	486	0	487	0	320	2	320	2	4	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
800	529	0	529	0	538	0	554	0	320	2	320	2	4	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
900	545	0	543	0	558	0	581	0	320	2	320	2	13	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1000	525	0	525	0	540	0	552	0	320	2	320	2	14	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1100	516	0	513	0	500	0	507	0	320	2	320	2	-14	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1200	514	0	511	0	484	0	486	0	320	2	320	2	-31	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1300	520	0	516	0	491	0	484	0	320	2	320	2	-32	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1400	511	0	507	0	480	0	468	0	320	2	320	2	-32	0	-38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1500	513	0	513	0	509	0	498	0	320	2	320	2	-5	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1600	541	0	543	0	540	0	529	0	320	2	320	2	-5	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1700	540	0	536	0	532	0	523	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1800	527	0	523	0	531	0	527	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1900	496	0	495	0	500	0	495	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2000	473	0	473	0	482	0	482	0	320	2	320	2	11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2100	477	0	475	0	498	0	500	0	320	2	320	2	25	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2200	518	0	516	0	525	0	523	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2300	502	0	502	0	511	0	502	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	[illegible]97	0	486	0	486	0	484	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	61	0	68	0	109	0	118	0	0	2	0	2	19	0	65	320	23	0	78	329	12	0	42	344	354	0	21	330	354	2	21	330	0	2
200	62	0	77	0	128	0	138	0	0	2	0	2	343	0	37	286	343	0	51	302	357	0	22	342	339	0	3	320	339	2	3	320	0	2
300	61	0	69	0	142	0	151	0	0	2	0	2	13	0	58	318	17	0	58	302	8	0	26	347	351	0	7	335	351	2	7	335	0	2
400	93	0	101	0	182	0	190	0	0	2	0	2	39	0	67	19	44	0	83	11	33	0	49	19	12	0	23	357	12	2	23	357	0	2
500	86	0	94	0	147	0	155	0	0	2	0	2	12	0	46	320	16	0	53	321	16	0	35	350	355	0	38	326	355	2	38	326	0	2
600	83	0	91	0	155	0	161	0	0	2	0	2	28	0	48	14	33	0	60	12	22	0	33	358	2	0	11	355	2	2	11	355	0	2
700	36	0	53	0	95	0	105	0	0	2	0	2	46	0	78	14	51	0	81	16	32	0	46	12	11	0	23	357	11	2	23	357	0	2
800	62	0	74	0	92	0	104	0	0	2	0	2	28	0	84	324	29	0	90	322	19	0	48	342	357	0	72	293	357	2	72	293	0	2
900	35	0	47	0	65	0	77	0	0	2	0	2	19	0	98	311	20	0	89	322	11	0	75	318	353	0	34	280	353	2	34	280	0	2
1000	39	0	49	0	65	0	77	0	0	2	0	2	297	0	351	244	297	0	351	247	332	0	11	274	316	0	359	275	316	2	359	275	0	2
1100	48	0	61	0	52	0	65	0	0	2	0	2	291	0	334	266	294	0	350	261	314	0	347	286	300	0	334	278	300	2	334	278	0	2
1200	51	0	60	0	70	0	83	0	0	2	0	2	301	0	5	271	296	0	344	244	301	0	315	281	288	0	307	269	288	2	307	269	0	2
1300	38	0	52	0	62	0	78	0	0	2	0	2	298	0	343	210	299	0	344	253	320	0	347	286	306	0	334	261	306	2	334	261	0	2
1400	49	0	56	0	74	0	86	0	0	2	0	2	299	0	344	234	299	0	358	251	310	0	335	287	297	0	317	274	297	2	317	274	0	2
1500	48	0	59	0	68	0	79	0	0	2	0	2	299	0	334	267	301	0	334	255	312	0	330	289	298	0	318	277	298	2	318	277	0	2
1600	43	0	54	0	68	0	79	0	0	2	0	2	312	0	351	203	314	0	355	235	334	0	29	286	317	0	21	282	317	2	21	282	0	2
1700	45	0	62	0	79	0	96	0	0	2	0	2	319	0	158	284	320	0	17	281	329	0	359	293	315	0	344	285	315	2	344	285	0	2
1800	46	0	62	0	88	0	99	0	0	2	0	2	329	0	15	289	329	0	33	273	339	0	12	308	325	0	359	290	325	2	359	290	0	2
1900	51	0	63	0	86	0	96	0	0	2	0	2	26	0	57	359	28	0	61	351	11	0	44	336	350	0	20	315	350	2	20	315	0	2
2000	57	0	68	0	106	0	114	0	0	2	0	2	34	0	58	11	40	0	68	8	26	0	54	348	6	0	29	344	6	2	29	344	0	2
2100	50	0	61	0	80	0	102	0	0	2	0	2	70	0	85	58	79	0	99	63	56	0	73	44	31	0	47	21	31	2	47	21	0	2
2200	57	0	66	0	84	0	110	0	0	2	0	2	76	0	90	57	85	0	101	73	56	0	65	44	32	0	41	24	32	2	41	24	0	2
2300	49	0	59	0	75	0	97	0	0	2	0	2	91	0	104	75	101	0	116	82	56	0	67	46	32	0	46	23	32	2	46	23	0	2
2400	57	2	0	4	20	0	33	0	0	2	0	2	79	0	146	12	74	3	107	17	40	0	51	32	17	3	30	6	17	2	30	6	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	480	0	478	0	486	0	484	0	320	2	320	2	5	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
200	482	0	480	0	507	0	505	0	320	2	320	2	27	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
300	486	0	484	0	511	0	507	0	320	2	320	2	27	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
400	527	0	525	0	574	0	574	0	320	2	320	2	49	0	52	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
500	505	0	504	0	527	0	525	0	320	2	320	2	22	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
600	507	0	504	0	570	0	568	0	320	2	320	2	65	0	68	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
700	549	0	547	0	561	0	563	0	320	2	320	2	14	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
800	565	0	563	0	556	0	574	0	320	2	320	2	-7	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
900	597	0	599	0	586	0	604	0	320	2	320	2	-14	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1000	541	0	540	0	543	0	550	0	320	2	320	2	-4	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1100	552	0	547	0	540	0	545	0	320	2	320	2	-13	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1200	547	0	541	0	507	0	511	0	320	2	320	2	-38	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1300	552	0	545	0	534	0	534	0	320	2	320	2	-16	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1400	550	0	547	0	541	0	525	0	320	2	320	2	-14	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1500	545	0	541	0	527	0	513	0	320	2	320	2	-20	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1600	556	0	552	0	558	0	543	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1700	543	0	541	0	545	0	536	0	320	2	320	2	2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1800	541	0	541	0	550	0	547	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1900	534	0	532	0	545	0	543	0	320	2	320	2	11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2000	522	0	520	0	531	0	529	0	320	2	320	2	9	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2100	511	0	509	0	538	0	536	0	320	2	320	2	29	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2200	507	0	505	0	536	0	534	0	320	2	320	2	31	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2300	522	0	520	0	572	0	570	0	320	2	320	2	52	0	54	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2400	496	0	496	0	554	0	559	0	320	2	320	2	59	0	67	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	14	0	26	0	32	0	41	0	0	2	0	2	142	5	227	113	145	0	225	117	89	0	109	61	63	0	85	40	63	2	85	40	0	2
200	51	0	62	0	82	0	92	0	0	2	0	2	124	0	130	119	129	0	136	123	90	0	94	86	64	0	71	60	64	2	71	60	0	2
300	89	0	98	0	121	0	127	0	0	2	0	2	115	0	120	113	120	0	125	117	106	0	114	102	79	0	87	75	79	2	87	75	0	2
400	35	0	46	0	36	0	46	0	0	2	0	2	268	0	304	180	271	0	331	210	207	0	267	126	208	0	266	118	208	2	266	118	0	2
500	27	0	41	0	10	0	17	0	0	2	0	2	332	0	1	294	333	0	11	296	273	0	355	181	270	0	343	188	270	2	343	188	0	2
600	56	0	65	0	72	0	82	0	0	2	0	2	101	0	110	82	114	0	126	93	121	0	134	105	109	0	121	93	109	2	121	93	0	2
700	66	0	87	0	180	0	193	0	0	2	0	2	136	0	161	118	141	0	164	123	149	0	229	140	132	0	138	127	132	2	138	127	0	2
800	81	0	93	0	143	0	157	0	0	2	0	2	147	0	184	109	155	0	207	105	158	0	183	143	142	0	161	127	142	2	161	127	0	2
900	92	0	114	0	161	0	176	0	0	2	0	2	141	0	183	91	148	0	198	112	151	0	174	134	135	0	154	116	135	2	154	116	0	2
1000	37	0	53	0	80	0	91	0	0	2	0	2	166	0	269	101	168	0	263	94	169	0	218	123	152	0	198	95	152	2	198	95	0	2
1100	66	0	76	0	106	0	111	0	0	2	0	2	183	0	261	111	187	0	257	123	180	0	253	137	166	0	212	143	166	2	212	143	0	2
1200	93	0	66	0	64	0	69	0	0	2	0	2	260	0	286	230	264	0	311	228	244	0	264	227	227	0	250	192	227	2	250	192	0	2
1300	26	0	36	0	34	0	48	0	0	2	0	2	287	0	329	240	290	0	338	225	284	0	309	262	269	0	289	252	269	2	289	252	0	2
1400	23	0	34	0	32	0	44	0	0	2	0	2	295	0	353	233	297	0	358	225	306	0	348	265	293	0	329	267	293	2	329	267	0	2
1500	25	0	38	0	39	0	48	0	0	2	0	2	340	3	35	271	344	0	68	273	341	0	18	297	323	0	11	275	323	2	11	275	0	2
1600	23	0	35	0	26	0	38	0	0	2	0	2	41	3	120	11	46	0	119	15	30	0	99	342	10	3	82	328	10	2	82	328	0	2
1700	50	0	60	0	60	0	74	0	0	2	0	2	86	0	146	24	92	0	141	29	80	0	115	29	57	0	96	12	57	2	96	12	0	2
1800	36	0	49	0	67	0	77	0	0	2	0	2	164	0	255	99	163	0	240	100	172	0	218	128	157	0	210	111	157	2	210	111	0	2
1900	58	0	73	0	121	0	128	0	0	2	0	2	182	0	260	101	183	0	243	109	181	0	216	138	166	0	201	144	166	2	201	144	0	2
2000	60	0	73	0	138	0	151	0	0	2	0	2	161	0	213	113	164	0	229	112	166	0	179	143	152	0	163	130	152	2	163	130	0	2
2100	63	0	76	0	151	0	164	0	0	2	0	2	148	0	205	115	151	0	183	117	158	0	173	147	143	0	162	129	143	2	162	129	0	2
2200	70	0	84	0	163	0	176	0	0	2	0	2	149	0	181	103	156	0	210	123	157	0	165	144	143	0	172	130	143	2	172	130	0	2
2300	71	0	86	0	165	0	182	0	0	2	0	2	160	0	238	112	166	0	223	122	167	0	191	145	153	0	177	130	153	2	177	130	0	2
2400	66	0	81	0	151	0	165	0	0	2	0	2	165	0	211	116	167	0	212	109	171	0	198	156	157	0	176	141	157	2	176	141	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	507	0	505	0	563	0	563	0	320	2	320	2	58	0	61	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
200	478	0	477	0	567	0	563	0	320	2	320	2	90	0	90	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
300	496	0	495	0	568	0	570	0	320	2	320	2	74	0	79	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
400	475	0	495	0	543	0	541	0	320	2	320	2	50	0	49	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
500	486	0	486	0	538	0	540	0	320	2	320	2	54	0	58	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
600	466	0	464	0	531	0	531	0	320	2	320	2	67	0	68	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
700	513	0	513	0	563	0	561	0	320	2	320	2	49	0	52	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
800	617	0	615	0	603	0	613	0	320	2	320	2	-14	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
900	658	0	657	0	637	0	644	0	320	2	320	2	-18	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1000	707	0	703	0	685	0	696	0	320	2	320	2	-20	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1100	747	0	743	0	716	0	723	0	320	2	320	2	-29	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1200	745	0	741	0	734	0	734	0	320	2	320	2	-11	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1300	752	0	745	0	745	0	745	0	320	2	320	2	-4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1400	792	0	786	0	777	0	768	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1500	795	0	793	0	786	0	781	0	320	2	320	2	-7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1600	801	0	802	0	802	0	799	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1700	804	0	804	0	813	0	811	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1800	808	0	804	0	810	0	808	0	320	2	320	2	2	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1900	775	0	774	0	775	0	772	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2000	743	0	739	0	748	0	743	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2100	711	0	709	0	723	0	720	0	320	2	320	2	14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2200	693	0	691	0	707	0	703	0	320	2	320	2	16	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2300	696	0	694	0	702	0	698	0	320	2	320	2	7	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2400	676	0	675	0	682	0	678	0	320	2	320	2	7	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	70	0	86	0	160	0	175	0	0	2	0	2	161	0	200	111	166	0	206	113	173	0	191	154	158	0	172	136	158	2	172	136	0	2
200	73	0	84	0	173	0	185	0	0	2	0	2	161	0	212	100	162	0	204	110	174	0	198	153	159	0	190	130	159	2	190	130	0	2
300	76	0	85	0	169	0	184	0	0	2	0	2	149	0	206	111	154	0	199	123	164	0	176	145	150	0	162	128	150	2	162	128	0	2
400	83	0	94	0	176	0	194	0	0	2	0	2	159	0	213	109	161	0	200	130	170	0	181	155	156	0	175	132	156	2	175	132	0	2
500	86	0	100	0	183	0	195	0	0	2	0	2	157	0	208	111	160	0	206	108	167	0	191	147	153	0	171	133	153	2	171	133	0	2
600	89	0	100	0	184	0	199	0	0	2	0	2	160	0	197	122	162	0	214	124	169	0	193	153	156	0	183	130	156	2	183	130	0	2
700	82	0	92	0	163	0	180	0	0	2	0	2	153	0	225	115	155	0	217	116	162	0	176	139	147	0	164	129	147	2	164	129	0	2
800	85	0	93	0	168	0	172	0	0	2	0	2	170	0	235	99	176	0	240	105	178	0	200	133	165	0	190	135	165	2	190	135	0	2
900	74	0	87	0	158	0	166	0	0	2	0	2	162	0	249	101	170	0	267	112	169	0	217	136	155	0	203	125	155	2	203	125	0	2
1000	81	0	98	0	147	0	161	0	0	2	0	2	161	0	257	90	162	0	240	97	167	0	198	138	151	0	180	108	151	2	180	108	0	2
1100	78	0	82	0	139	0	140	0	0	2	0	2	190	0	261	98	197	0	261	126	189	0	223	139	175	0	218	124	175	2	218	124	0	2
1200	141	0	133	0	249	0	231	0	0	2	0	2	204	0	269	134	210	0	265	129	193	0	230	157	179	0	206	150	179	2	206	150	0	2
1300	138	0	138	0	256	0	239	0	0	2	0	2	192	0	259	98	192	0	265	109	189	0	232	157	175	0	207	137	175	2	207	137	0	2
1400	109	0	116	0	224	0	219	0	0	2	0	2	194	0	253	102	196	0	263	112	188	0	239	103	171	0	208	91	171	2	208	91	0	2
1500	108	0	116	0	229	0	232	0	0	2	0	2	180	0	269	115	174	0	243	95	182	0	235	143	168	0	206	128	168	2	206	128	0	2
1600	157	0	158	0	277	0	264	0	0	2	0	2	191	0	249	94	195	0	250	91	189	0	220	158	172	0	207	135	172	2	207	135	0	2
1700	150	0	141	0	286	0	258	0	0	2	0	2	210	0	267	127	211	0	269	128	198	0	221	155	183	0	206	137	183	2	206	137	0	2
1800	143	0	154	0	290	0	293	0	0	2	0	2	179	0	258	91	181	0	255	95	180	0	233	149	166	0	219	134	166	2	219	134	0	2
1900	124	0	136	0	242	0	255	0	0	2	0	2	167	0	245	93	172	0	236	90	176	0	210	140	161	0	196	125	161	2	196	125	0	2
2000	152	0	162	0	268	0	286	0	0	2	0	2	162	0	233	111	169	0	209	109	171	0	209	148	153	0	182	116	153	2	182	116	0	2
2100	223	0	221	0	318	0	328	0	0	2	0	2	249	0	308	182	248	0	289	180	242	0	262	163	226	0	246	153	226	2	246	153	0	2
2200	110	0	107	0	184	0	168	0	0	2	0	2	239	0	275	198	237	0	291	191	236	0	249	218	220	0	236	192	220	2	236	192	0	2
2300	39	0	53	0	101	0	107	0	0	2	0	2	177	0	261	105	183	0	258	128	181	0	203	153	166	0	186	136	166	2	186	136	0	2
2400	87	0	96	0	170	0	185	0	0	2	0	2	156	0	219	110	162	0	240	116	166	0	183	146	151	0	171	136	151	2	171	136	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	660	0	658	0	667	0	664	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
200	646	0	644	0	655	0	651	0	320	2	320	2	11	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
300	628	0	626	0	639	0	635	0	320	2	320	2	13	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
400	630	0	628	0	635	0	631	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
500	630	0	628	0	633	0	630	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
600	635	0	633	0	635	0	633	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
700	639	0	637	0	639	0	635	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
800	666	0	664	0	664	0	662	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
900	662	0	660	0	655	0	653	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1000	714	0	711	0	691	0	700	0	320	2	320	2	-20	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1100	784	0	781	0	757	0	765	0	320	2	320	2	-25	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1200	813	0	810	0	786	0	786	0	320	2	320	2	-27	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1300	829	0	826	0	806	0	797	0	320	2	320	2	-27	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1400	847	0	844	0	826	0	819	0	320	2	320	2	-22	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1500	838	0	835	0	815	0	810	0	320	2	320	2	-22	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1600	799	0	797	0	784	0	781	0	320	2	320	2	-13	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1700	772	0	768	0	759	0	756	0	320	2	320	2	-13	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1800	707	0	705	0	694	0	693	0	320	2	320	2	-11	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
1900	680	0	678	0	676	0	671	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2000	678	0	680	0	680	0	671	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	149	0
2100	572	0	570	0	552	0	549	0	320	2	320	2	-18	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	150	0
2200	532	0	532	0	532	0	529	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	154	0
2300	543	0	541	0	540	0	536	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	156	0
2400	547	0	545	0	547	0	538	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	157	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION. TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	90	0	103	0	179	0	193	0	0	2	0	2	167	0	219	120	168	0	226	106	173	0	209	144	158	0	186	130	158	2	186	130	0	2
200	80	0	87	0	162	0	172	0	0	2	0	2	168	0	229	91	175	0	253	106	176	0	202	147	161	0	182	133	161	2	182	133	0	2
300	80	0	86	0	175	0	173	0	0	2	0	2	174	0	243	103	180	0	242	107	178	0	211	155	164	0	205	133	164	2	205	133	0	2
400	72	0	77	0	156	0	149	0	0	2	0	2	195	0	254	102	198	0	266	108	191	0	219	146	175	0	220	153	175	2	220	153	0	2
500	60	0	74	0	143	0	139	0	0	2	0	2	186	0	248	113	182	0	264	112	184	0	211	165	169	0	203	149	169	2	203	149	0	2
600	69	0	79	0	153	0	162	0	0	2	0	2	173	0	250	98	176	0	241	103	179	0	217	149	164	0	194	134	164	2	194	134	0	2
700	126	0	141	0	225	0	240	0	0	2	0	2	159	0	211	96	160	0	209	103	168	0	217	144	152	0	184	130	152	2	184	130	0	2
800	105	0	105	0	201	0	199	0	0	2	0	2	195	0	266	109	190	0	258	114	187	0	227	142	172	0	206	122	172	2	206	122	0	2
900	81	0	86	0	168	0	159	0	0	2	0	2	189	0	262	93	193	0	263	94	189	0	228	154	174	0	215	122	174	2	215	122	0	2
1000	103	0	97	0	164	0	154	0	0	2	0	2	219	0	300	180	216	0	269	128	202	0	231	159	187	0	234	155	187	2	234	155	0	2
1100	98	0	96	0	135	0	126	0	0	2	0	2	243	0	348	184	245	0	337	194	228	0	267	170	210	0	247	137	210	2	247	137	0	2
1200	181	0	156	0	265	0	257	0	0	2	0	2	247	0	292	210	247	0	275	209	242	0	253	220	226	0	240	207	226	2	240	207	0	2
1300	185	0	175	0	293	0	291	0	0	2	0	2	247	0	279	211	250	0	283	222	243	0	254	232	228	0	237	218	228	2	237	218	0	2
1400	207	0	189	0	311	0	312	0	0	2	0	2	248	0	278	207	250	0	289	223	243	0	262	233	228	0	238	219	228	2	238	219	0	2
1500	157	0	150	0	253	0	234	0	0	2	0	2	245	0	281	191	245	0	275	212	232	0	252	186	219	0	243	191	219	2	243	191	0	2
1600	169	0	149	0	247	0	221	0	0	2	0	2	238	0	285	196	237	0	309	205	226	0	250	197	211	0	237	175	211	2	237	175	0	2
1700	202	0	171	0	300	0	279	0	0	2	0	2	246	0	289	210	245	0	286	217	236	0	252	219	222	0	240	204	222	2	240	204	0	2
1800	225	0	203	0	344	0	341	0	0	2	0	2	250	0	279	206	247	0	281	207	243	0	254	237	228	0	235	210	228	2	235	210	0	2
1900	181	0	178	0	329	0	303	0	0	2	0	2	258	0	288	228	257	0	287	223	251	0	268	236	235	0	248	206	235	2	248	206	0	2
2000	277	0	286	0	346	0	371	0	0	2	0	2	271	0	300	248	268	0	301	252	267	0	280	250	252	0	275	239	252	2	275	239	0	2
2100	224	0	229	0	381	0	387	0	0	2	0	2	263	0	294	226	262	0	289	225	255	0	265	244	240	0	248	225	240	2	248	225	0	2
2200	211	0	204	0	355	0	323	0	0	2	0	2	254	0	292	210	252	0	293	204	250	0	259	234	236	0	249	220	236	2	249	220	0	2
2300	172	0	163	0	287	0	280	0	0	2	0	2	253	0	279	222	251	0	284	225	247	0	253	239	232	0	241	221	232	2	241	221	0	2
2400	180	0	158	0	280	0	283	0	0	2	0	2	249	0	286	212	247	0	281	215	243	0	249	233	228	0	235	213	228	2	235	213	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	550	0	549	0	549	0	545	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	157	0
200	550	0	549	0	549	0	547	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	157	0
300	543	0	543	0	545	0	541	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	157	0
400	541	0	540	0	543	0	541	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	158	0
500	540	0	538	0	543	0	540	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	158	0
600	543	0	543	0	545	0	543	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	158	0
700	568	0	568	0	559	0	559	0	320	2	320	2	-11	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	158	0
800	579	0	577	0	572	0	570	0	320	2	320	2	-7	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	158	0
900	567	0	565	0	556	0	550	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	159	0
1000	597	0	597	0	592	0	590	0	320	2	320	2	-7	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	159	0
1100	615	0	613	0	590	0	581	0	320	2	320	2	-25	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	159	0
1200	556	0	554	0	565	0	556	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	159	0
1300	563	0	561	0	568	0	561	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	160	0
1400	552	0	550	0	556	0	550	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	160	0
1500	549	0	549	0	549	0	545	0	320	2	320	2	-4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	160	0
1600	552	0	552	0	549	0	545	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	160	0
1700	534	0	534	0	527	0	523	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	165	0
1800	540	0	540	0	538	0	538	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	167	0
1900	534	0	534	0	545	0	541	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	167	0
2000	529	0	527	0	536	0	532	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	167	0
2100	538	0	536	0	550	0	549	0	320	2	320	2	14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	168	0
2200	532	0	532	0	559	0	558	0	320	2	320	2	27	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	168	0
2300	540	0	538	0	559	0	558	0	320	2	320	2	20	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	534	0	534	0	550	0	549	0	320	2	320	2	16	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	175	0	159	0	292	0	304	0	0	2	0	2	249	0	300	220	249	0	275	219	245	0	254	242	231	0	239	221	231	2	239	221	0	2
200	169	0	154	0	284	0	290	0	0	2	0	2	249	0	289	199	247	0	290	209	243	0	256	234	228	0	241	219	228	2	241	219	0	2
300	176	0	163	0	271	0	251	0	0	2	0	2	252	0	283	206	249	0	286	218	248	0	254	242	233	0	240	226	233	2	240	226	0	2
400	137	0	128	0	230	0	204	0	0	2	0	2	251	0	283	215	251	0	288	223	251	0	257	239	237	0	245	228	237	2	245	228	0	2
500	129	0	122	0	222	0	202	0	0	2	0	2	249	0	276	212	247	0	274	208	249	0	262	244	235	0	241	222	235	2	241	222	0	2
600	111	0	108	0	191	0	177	0	0	2	0	2	255	0	295	223	252	0	290	215	252	0	261	244	238	0	245	229	238	2	245	229	0	2
700	44	0	48	0	71	0	79	0	0	2	0	2	264	0	333	232	263	0	330	236	266	0	318	220	252	0	281	218	252	2	281	218	0	2
800	41	0	46	0	62	0	66	0	0	2	0	2	248	0	274	216	247	0	270	219	259	0	297	234	242	0	259	222	242	2	259	222	0	2
900	35	0	47	0	66	0	76	0	0	2	0	2	272	0	318	231	272	0	317	237	288	0	319	256	274	0	298	238	274	2	298	238	0	2
1000	30	0	40	0	44	0	51	0	0	2	0	2	265	0	315	232	264	0	314	226	280	0	315	237	265	0	298	230	265	2	298	230	0	2
1100	51	0	61	0	83	0	94	0	0	2	0	2	299	0	332	252	296	0	341	256	305	0	335	287	289	0	311	271	289	2	311	271	0	2
1200	61	0	70	0	112	0	122	0	0	2	0	2	294	0	331	243	291	0	322	261	303	0	317	292	288	0	299	264	288	2	299	264	0	2
1300	73	0	89	0	137	0	152	0	0	2	0	2	308	0	5	270	303	0	349	246	315	0	352	293	299	0	325	269	299	2	325	269	0	2
1400	54	0	62	0	71	0	79	0	0	2	0	2	340	0	45	292	338	0	18	285	343	0	27	304	326	0	5	292	326	2	5	292	0	2
1500	43	0	47	0	58	0	64	0	0	2	0	2	334	0	26	281	330	0	25	285	334	0	4	271	318	0	352	259	318	2	352	259	0	2
1600	19	0	30	0	33	0	42	0	0	2	0	2	316	0	16	270	317	3	23	270	338	0	31	272	322	0	13	274	322	2	13	274	0	2
1700	21	0	32	0	47	0	57	0	0	2	0	2	341	3	178	270	339	0	117	274	2	0	49	297	342	0	39	281	342	2	39	281	0	2
1800	23	0	34	0	39	0	48	0	0	2	0	2	301	0	356	271	300	0	333	265	328	0	15	282	311	0	352	255	311	2	352	255	0	2
1900	25	0	37	0	63	0	74	0	0	2	0	2	309	0	348	265	306	0	342	263	342	0	356	320	326	0	336	304	326	2	336	304	0	2
2000	43	0	55	0	45	0	58	0	0	2	0	2	259	0	283	237	259	0	287	235	283	0	294	263	271	0	285	255	271	2	285	255	0	2
2100	25	0	30	0	31	0	43	0	0	2	0	2	236	0	259	212	236	0	259	214	279	0	292	260	265	0	276	249	265	2	276	249	0	2
2200	49	0	60	0	63	0	74	0	0	2	0	2	254	0	275	232	255	0	271	240	271	0	275	266	258	0	261	253	258	2	261	253	0	2
2300	15	0	26	0	45	0	58	0	0	2	0	2	273	0	343	235	273	0	332	235	292	0	300	279	279	0	287	263	279	2	287	263	0	2
2400	64	0	71	0	109	0	115	0	0	2	0	2	20	0	56	349	23	0	60	355	11	0	29	355	351	0	8	330	351	2	8	330	0	2

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 180A	S	D T 2 180B	S	D T 3	S	D T 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	543	0	541	0	567	0	565	0	320	2	320	2	25	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	168	0
200	538	0	538	0	556	0	554	0	320	2	320	2	18	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	168	0
300	532	0	532	0	545	0	543	0	320	2	320	2	14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	168	0
400	522	0	522	0	532	0	531	0	320	2	320	2	13	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	168	0
500	520	0	520	0	531	0	529	0	320	2	320	2	13	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	168	0
600	514	0	513	0	523	0	520	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	168	0
700	484	0	484	0	486	0	480	0	320	2	320	2	-2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	168	0
800	486	0	486	0	475	0	471	0	320	2	320	2	-11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	170	0
900	498	0	498	0	502	0	500	0	320	2	320	2	4	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1000	486	0	484	0	477	0	469	0	320	2	320	2	-13	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1100	478	0	477	0	466	0	462	0	320	2	320	2	-13	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1200	491	0	489	0	484	0	482	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1300	486	0	484	0	482	0	480	0	320	2	320	2	-2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1400	484	0	484	0	482	0	475	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1500	486	0	486	0	487	0	473	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1600	484	0	484	0	475	0	473	0	320	2	320	2	-11	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1700	525	0	523	0	532	0	529	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1800	520	0	516	0	527	0	525	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1900	489	0	487	0	511	0	511	0	320	2	320	2	23	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2000	453	0	451	0	478	0	478	0	320	2	320	2	25	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2100	453	0	453	0	500	0	500	0	320	2	320	2	45	0	49	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2200	464	0	464	0	514	0	514	0	320	2	320	2	52	0	52	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2300	464	0	464	0	520	0	522	0	320	2	320	2	56	0	59	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2400	464	0	462	0	469	0	468	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	64	0	74	0	101	0	110	0	0	2	0	2	351	0	31	315	351	0	24	316	353	0	30	339	336	0	352	326	336	2	352	326	0	2
200	56	0	72	0	96	0	122	0	0	2	0	2	51	0	72	27	56	0	90	34	47	0	53	39	24	0	33	15	24	2	33	15	0	2
300	50	0	65	0	93	0	114	0	0	2	0	2	62	0	83	34	68	0	87	44	57	0	66	45	32	0	42	22	32	2	42	22	0	2
400	80	0	87	0	137	0	143	0	0	2	0	2	80	0	115	54	85	0	123	56	71	0	86	57	48	0	58	35	48	2	58	35	0	2
500	78	0	82	0	141	0	145	0	0	2	0	2	88	0	113	74	93	0	119	82	80	0	83	77	58	0	61	54	58	2	61	54	0	2
600	59	0	64	0	111	0	115	0	0	2	0	2	90	0	104	72	96	0	114	84	85	0	96	79	62	0	69	57	62	2	69	57	0	2
700	31	0	42	0	59	0	66	0	0	2	0	2	89	0	112	61	95	0	121	68	89	0	145	58	66	0	106	48	66	2	106	48	0	2
800	58	0	66	0	63	0	71	0	0	2	0	2	106	0	140	58	115	0	154	65	112	0	151	77	86	0	118	59	86	2	118	59	0	2
900	42	0	53	0	51	0	59	0	0	2	0	2	120	0	158	74	124	0	159	86	125	0	252	92	107	0	144	81	107	2	144	81	0	2
1000	44	0	51	0	48	0	59	0	0	2	0	2	296	0	334	263	294	0	338	251	293	0	307	271	280	0	297	263	280	2	297	263	0	2
1100	45	0	51	0	54	0	60	0	0	2	0	2	304	0	343	241	303	0	350	256	310	0	341	272	298	0	330	254	298	2	330	254	0	2
1200	56	0	67	0	73	0	82	0	0	2	0	2	332	0	15	279	330	0	13	271	327	0	0	273	314	0	348	261	314	2	348	261	0	2
1300	32	0	41	0	31	0	38	0	0	2	0	2	301	0	338	236	303	0	354	248	308	0	342	284	297	0	335	264	297	2	335	264	0	2
1400	21	0	30	0	22	0	27	0	0	2	0	2	289	0	354	233	286	3	347	228	235	0	292	187	221	0	256	162	221	2	256	162	0	2
1500	25	0	29	0	26	0	33	0	0	2	0	2	286	0	351	218	287	3	356	223	319	0	349	288	309	0	336	281	309	2	336	281	0	2
1600	23	0	32	0	33	0	39	0	0	2	0	2	303	3	355	231	307	0	350	235	316	0	3	279	303	0	345	255	303	2	345	255	0	2
1700	19	0	25	0	19	0	23	0	0	2	0	2	285	0	354	190	279	3	357	225	285	0	348	229	277	0	332	204	277	2	332	204	0	2
1800	13	0	18	0	13	0	19	0	0	2	0	2	282	0	358	183	285	3	353	204	300	0	349	198	292	0	357	213	292	2	357	213	0	2
1900	15	0	24	0	19	0	24	0	0	2	0	2	186	0	255	141	188	0	268	133	180	0	220	154	170	0	219	149	170	2	219	149	0	2
2000	45	0	52	0	51	0	55	0	0	2	0	2	134	0	144	127	136	0	144	131	136	0	141	131	123	0	128	120	123	2	128	120	0	2
2100	48	0	61	0	108	0	114	0	0	2	0	2	140	0	169	116	142	0	176	108	145	0	148	141	132	0	135	128	132	2	135	128	0	2
2200	57	0	69	0	154	0	163	0	0	2	0	2	146	0	181	106	147	0	176	105	151	0	153	147	137	0	139	134	137	2	139	134	0	2
2300	54	0	62	0	153	0	163	0	0	2	0	2	149	0	193	96	153	0	186	117	162	0	169	154	149	0	155	135	149	2	155	135	0	2
2400	48	0	53	0	144	0	155	0	0	2	0	2	148	0	190	108	150	0	195	112	163	0	167	158	151	0	155	143	151	2	155	143	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	464	0	462	0	466	0	464	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
200	446	0	444	0	462	0	462	0	320	2	320	2	16	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
300	439	0	437	0	455	0	453	0	320	2	320	2	18	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
400	441	0	439	0	457	0	453	0	320	2	320	2	16	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
500	435	0	435	0	468	0	466	0	320	2	320	2	32	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
600	433	0	432	0	459	0	460	0	320	2	320	2	25	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
700	460	0	459	0	469	0	469	0	320	2	320	2	2	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
800	482	0	482	0	475	0	498	0	320	2	320	2	-7	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
900	527	0	527	0	516	0	538	0	320	2	320	2	-13	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1000	513	0	509	0	498	0	509	0	320	2	320	2	-18	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1100	516	0	513	0	498	0	504	0	320	2	320	2	-22	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1200	516	0	516	0	493	0	493	0	320	2	320	2	-25	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1300	561	0	556	0	543	0	520	0	320	2	320	2	-16	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1400	599	0	594	0	628	0	604	0	320	2	320	2	31	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1500	631	0	626	0	649	0	622	0	320	2	320	2	14	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1600	651	0	646	0	657	0	640	0	320	2	320	2	4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1700	675	0	669	0	693	0	691	0	320	2	320	2	20	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1800	682	0	680	0	709	0	711	0	320	2	320	2	29	0	34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
1900	675	0	673	0	691	0	694	0	320	2	320	2	18	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2000	637	0	635	0	651	0	649	0	320	2	320	2	14	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2100	613	0	612	0	646	0	642	0	320	2	320	2	32	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2200	599	0	597	0	644	0	642	0	320	2	320	2	45	0	45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2300	595	0	594	0	635	0	631	0	320	2	320	2	41	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0
2400	585	0	585	0	622	0	621	0	320	2	320	2	38	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	173	0

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

REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	68	0	76	0	162	0	173	0	0	2	0	2	157	0	193	124	157	0	192	123	167	0	176	156	153	0	163	140	153	2	163	140	0	2
200	79	0	75	0	171	0	185	0	0	2	0	2	153	0	191	114	154	0	203	104	163	0	172	153	149	0	164	141	149	2	164	141	0	2
300	96	0	105	0	162	0	171	0	0	2	0	2	344	0	40	277	337	0	37	280	342	0	35	280	324	0	11	271	324	2	11	271	0	2
400	59	0	86	0	112	0	135	0	0	2	0	2	61	0	84	27	66	0	94	32	51	0	67	37	26	0	41	18	26	2	41	18	0	2
500	43	0	50	0	65	0	82	0	0	2	0	2	78	0	104	59	84	0	103	63	60	0	77	52	36	0	47	27	36	2	47	27	0	2
600	44	0	50	0	67	0	73	0	0	2	0	2	108	0	133	78	114	0	134	95	72	0	86	63	49	0	60	40	49	2	60	40	0	2
700	53	0	64	0	79	0	86	0	0	2	0	2	181	0	228	135	179	0	221	139	151	0	160	138	123	0	135	110	123	2	135	110	0	2
800	61	0	66	0	126	0	115	0	0	2	0	2	205	0	243	138	205	0	247	144	195	0	243	165	183	0	231	149	183	2	231	149	0	2
900	53	0	65	0	126	0	135	0	0	2	0	2	170	0	268	95	168	0	224	107	173	0	193	156	159	0	177	136	159	2	177	136	0	2
1000	67	0	77	0	106	0	109	0	0	2	0	2	140	0	170	117	140	0	167	103	156	0	224	128	136	0	157	114	136	2	157	114	0	2
1100	42	0	52	0	81	0	85	0	0	2	0	2	143	0	181	101	146	0	208	99	157	0	206	126	143	0	167	118	143	2	167	118	0	2
1200	54	0	63	0	97	0	104	0	0	2	0	2	167	0	260	92	166	0	253	98	174	0	235	112	159	0	213	98	159	2	213	98	0	2
1300	62	0	66	0	106	0	106	0	0	2	0	2	183	0	266	90	188	0	264	92	184	0	239	95	172	0	250	114	172	2	250	114	0	2
1400	69	0	75	0	88	0	93	0	0	2	0	2	263	0	300	214	263	0	292	239	250	0	272	216	235	0	250	216	235	2	250	216	0	2
1500	55	0	59	0	63	0	66	0	0	2	0	2	296	0	333	258	292	0	326	239	277	0	300	233	262	0	286	224	262	2	286	224	0	2
1600	41	0	47	0	59	0	63	0	0	2	0	2	278	0	332	228	275	0	329	234	274	0	311	224	263	0	301	215	263	2	301	215	0	2
1700	32	0	42	0	61	0	67	0	0	2	0	2	306	0	342	245	304	0	358	236	307	0	325	282	294	0	322	275	294	2	322	275	0	2
1800	9	0	18	0	12	0	18	0	0	2	0	2	31	3	90	310	32	3	105	309	10	3	115	294	351	3	55	287	351	2	55	287	0	2
1900	13	0	24	0	22	0	29	0	0	2	0	2	170	0	222	124	172	3	223	133	176	0	212	145	163	0	220	134	163	2	220	134	0	2
2000	39	0	49	0	48	0	55	0	0	2	0	2	164	0	219	130	167	0	234	139	176	0	195	160	162	0	185	148	162	2	185	148	0	2
2100	42	0	51	0	91	0	89	0	0	2	0	2	176	0	226	136	180	0	232	149	185	0	198	175	171	0	185	162	171	2	185	162	0	2
2200	58	0	64	0	176	0	169	0	0	2	0	2	196	0	268	108	195	0	262	131	191	0	202	180	178	0	189	162	178	2	189	162	0	2
2300	58	0	62	0	133	0	125	0	0	2	0	2	203	0	249	148	207	0	242	159	208	0	223	193	195	0	209	175	195	2	209	175	0	2
2400	90	0	84	0	161	0	153	0	0	2	0	2	219	0	262	149	220	0	259	150	213	0	244	187	199	0	229	168	199	2	229	168	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	595	0	594	0	619	0	617	0	320	2	320	2	25	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
200	601	0	599	0	622	0	619	0	320	2	320	2	23	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
300	574	0	572	0	570	0	565	0	320	2	320	2	-2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	171	0
400	579	0	579	0	588	0	585	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
500	572	0	572	0	588	0	586	0	320	2	320	2	16	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
600	558	0	556	0	608	0	608	0	320	2	320	2	52	0	56	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
700	563	0	561	0	610	0	608	0	320	2	320	2	49	0	49	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
800	559	0	559	0	577	0	574	0	320	2	320	2	18	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	172	0
900	576	0	574	0	570	0	572	0	320	2	320	2	-7	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
1000	590	0	594	0	604	0	586	0	320	2	320	2	-4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
1100	630	0	630	0	626	0	626	0	320	2	320	2	-5	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1200	727	0	725	0	698	0	700	0	320	2	320	2	-29	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1300	756	0	752	0	723	0	716	0	320	2	320	2	-32	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1400	750	0	745	0	736	0	721	0	320	2	320	2	-14	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1500	751	0	756	0	745	0	723	0	320	2	320	2	-20	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1600	743	0	738	0	738	0	729	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1700	736	0	732	0	736	0	730	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1800	747	0	747	0	756	0	761	0	320	2	320	2	11	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1900	752	0	748	0	761	0	763	0	320	2	320	2	11	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
2000	711	0	711	0	727	0	725	0	320	2	320	2	18	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
2100	694	0	693	0	730	0	729	0	320	2	320	2	38	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
2200	678	0	678	0	732	0	727	0	320	2	320	2	54	0	52	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
2300	685	0	684	0	712	0	709	0	320	2	320	2	29	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
2400	709	0	707	0	716	0	712	0	320	2	320	2	9	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	138	0	121	0	206	0	189	0	0	2	0	2	227	0	262	184	226	0	258	179	216	0	259	184	203	0	231	184	203	2	231	184	0	2
200	143	0	132	0	222	0	207	0	0	2	0	2	229	0	285	180	225	0	265	90	218	0	253	198	205	0	235	177	205	2	235	177	0	2
300	132	0	118	0	211	0	193	0	0	2	0	2	236	0	282	198	237	0	282	203	225	0	252	196	210	0	228	185	210	2	228	185	0	2
400	163	0	148	0	279	0	257	0	0	2	0	2	242	0	277	181	241	0	302	197	231	0	250	196	217	0	230	184	217	2	230	184	0	2
500	124	0	134	0	209	0	223	0	0	2	0	2	348	0	88	281	347	0	67	282	340	0	36	295	322	0	9	284	322	2	9	284	0	2
600	139	0	143	0	183	0	188	0	0	2	0	2	32	0	61	7	34	0	75	354	24	0	62	347	3	0	21	340	3	2	21	340	0	2
700	152	0	156	0	198	0	204	0	0	2	0	2	31	0	65	359	31	0	64	358	18	0	42	320	359	0	45	325	359	2	45	325	0	2
800	120	0	128	0	172	0	180	0	0	2	0	2	30	0	75	342	28	0	71	344	13	0	49	332	354	0	22	323	354	2	22	323	0	2
900	122	0	141	0	169	0	165	0	0	2	0	2	37	0	75	3	40	0	83	13	16	0	55	336	1	0	28	322	1	2	28	322	0	2
1000	150	0	151	0	190	0	198	0	0	2	0	2	26	0	63	0	23	0	57	347	12	0	47	317	355	0	39	331	355	2	39	331	0	2
1100	134	0	146	0	185	0	186	0	0	2	0	2	24	0	68	328	23	0	66	305	4	0	39	312	350	0	23	314	350	2	23	314	0	2
1200	85	0	91	0	137	0	144	0	0	2	0	2	20	0	110	302	22	0	79	274	3	0	60	307	345	0	33	306	345	2	33	306	0	2
1300	114	0	121	0	153	0	163	0	0	2	0	2	27	0	96	283	27	0	80	321	4	0	52	305	350	0	30	304	350	2	30	304	0	2
1400	92	0	104	0	143	0	147	0	0	2	0	2	21	0	80	304	19	0	73	292	8	0	56	311	351	0	28	318	351	2	28	318	0	2
1500	78	0	89	0	117	0	130	0	0	2	0	2	21	0	77	310	21	0	68	311	3	0	43	324	347	0	34	296	347	2	34	296	0	2
1600	85	0	98	0	119	0	124	0	0	2	0	2	31	0	72	333	31	0	86	316	14	0	54	337	357	0	45	312	357	2	45	312	0	2
1700	108	0	120	0	145	0	153	0	0	2	0	2	27	0	75	346	26	0	76	318	6	0	56	327	348	0	29	307	348	2	29	307	0	2
1800	103	0	107	0	134	0	141	0	0	2	0	2	24	0	60	344	24	0	64	330	7	0	46	320	351	0	21	314	351	2	21	314	0	2
1900	90	0	102	0	129	0	135	0	0	2	0	2	30	0	62	352	30	0	71	349	14	0	41	345	357	0	22	322	357	2	22	322	0	2
2000	43	0	56	0	69	0	84	0	0	2	0	2	68	0	114	16	71	0	129	20	55	0	87	27	33	0	60	10	33	2	60	10	0	2
2100	61	0	75	0	117	0	124	0	0	2	0	2	45	0	84	25	49	0	71	28	36	0	47	18	17	0	25	9	17	2	25	9	0	2
2200	46	0	64	0	98	0	116	0	0	2	0	2	56	0	81	37	60	0	89	45	43	0	51	34	22	0	31	16	22	2	31	16	0	2
2300	54	0	79	0	118	0	138	0	0	2	0	2	56	0	66	44	60	0	68	50	43	0	47	39	22	0	26	19	22	2	26	19	0	2
2400	65	0	76	0	114	0	139	0	0	2	0	2	71	0	89	53	75	0	89	57	56	0	63	45	32	0	41	26	32	2	41	26	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	709	0	709	0	711	0	707	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
200	711	0	709	0	709	0	705	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
300	689	0	687	0	691	0	687	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
400	673	0	671	0	684	0	680	0	320	2	320	2	13	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
500	568	0	567	0	570	0	565	0	320	2	320	2	4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
600	543	0	541	0	536	0	534	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
700	509	0	509	0	502	0	500	0	320	2	320	2	-7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
800	491	0	491	0	482	0	484	0	320	2	320	2	-9	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
900	487	0	495	0	487	0	491	0	320	2	320	2	-9	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
1000	487	0	489	0	475	0	486	0	320	2	320	2	-14	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
1100	486	0	489	0	473	0	477	0	320	2	320	2	-16	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
1200	491	0	495	0	469	0	473	0	320	2	320	2	-23	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
1300	486	0	489	0	469	0	471	0	320	2	320	2	-18	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
1400	491	0	495	0	478	0	471	0	320	2	320	2	-14	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
1500	473	0	493	0	487	0	478	0	320	2	320	2	-7	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
1600	480	0	482	0	486	0	480	0	320	2	320	2	5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1700	475	0	477	0	478	0	475	0	320	2	320	2	5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1800	473	0	473	0	482	0	480	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
1900	469	0	469	0	477	0	477	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
2000	460	0	457	0	464	0	462	0	320	2	320	2	4	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	176	0
2100	457	0	453	0	473	0	477	0	320	2	320	2	20	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	176	0
2200	455	0	453	0	484	0	484	0	320	2	320	2	29	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	176	0
2300	464	0	462	0	504	0	504	0	320	2	320	2	41	0	45	0	[illegible]		0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	459	0	457	0	502	0	500	0	320	2	320	2	43	0	45	0	[illegible]		0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	74	0	86	0	127	0	156	0	0	2	0	2	73	0	106	55	76	0	98	53	61	0	73	47	38	0	53	26	38	2	53	26	0	2
200	73	0	84	0	125	0	145	0	0	2	0	2	71	0	85	61	75	0	89	62	66	0	73	61	43	0	50	37	43	2	50	37	0	2
300	76	0	83	0	156	0	158	0	0	2	0	2	79	0	106	64	83	0	104	71	73	0	78	68	50	0	54	47	50	2	54	47	0	2
400	90	0	96	0	156	0	160	0	0	2	0	2	89	0	112	69	92	0	110	71	89	0	92	86	64	0	67	61	64	2	67	61	0	2
500	88	0	93	0	185	0	186	0	0	2	0	2	105	0	120	86	110	0	132	88	101	0	105	98	77	0	79	73	77	2	79	73	0	2
600	96	0	100	0	199	0	197	0	0	2	0	2	106	0	122	85	112	0	140	89	101	0	104	99	77	0	81	75	77	2	81	75	0	2
700	97	0	102	0	138	0	146	0	0	2	0	2	115	0	131	94	121	0	147	99	120	0	141	110	94	0	106	83	94	2	106	83	0	2
800	99	0	117	0	127	0	141	0	0	2	0	2	127	0	155	93	130	0	163	106	131	0	147	115	104	0	121	92	104	2	121	92	0	2
900	86	0	102	0	114	0	131	0	0	2	0	2	125	0	166	90	126	0	150	96	133	0	162	108	106	0	131	85	106	2	131	85	0	2
1000	88	0	99	0	126	0	140	0	0	2	0	2	132	0	208	93	137	0	191	96	139	0	167	104	125	0	156	98	125	2	156	98	0	2
1100	76	0	93	0	117	0	128	0	0	2	0	2	138	0	203	98	143	0	219	105	142	0	168	114	128	0	159	107	128	2	159	107	0	2
1200	74	0	88	0	99	0	110	0	0	2	0	2	123	0	166	67	126	0	162	87	126	0	163	95	112	0	150	77	112	2	150	77	0	2
1300	53	0	68	0	79	0	90	0	0	2	0	2	133	0	168	68	134	0	176	66	136	0	175	95	122	0	146	82	122	2	146	82	0	2
1400	59	0	71	0	85	0	99	0	0	2	0	2	135	0	227	99	137	0	209	100	141	0	189	103	127	0	169	35	127	2	169	35	0	2
1500	59	0	75	0	103	0	112	0	0	2	0	2	144	0	256	100	146	0	226	100	153	0	226	104	139	0	220	110	139	2	220	110	0	2
1600	73	0	90	0	133	0	145	0	0	2	0	2	149	0	250	95	151	0	240	100	152	0	199	117	138	0	205	110	138	2	205	110	0	2
1700	73	0	88	0	131	0	145	0	0	2	0	2	155	0	221	108	160	0	215	99	156	0	198	132	143	0	174	115	143	2	174	115	0	2
1800	68	0	84	0	125	0	136	0	0	2	0	2	149	0	211	93	149	0	223	108	155	0	186	124	141	0	183	105	141	2	183	105	0	2
1900	37	0	52	0	78	0	89	0	0	2	0	2	140	0	190	99	140	0	191	109	146	0	170	130	131	0	155	109	131	2	155	109	0	2
2000	38	0	49	0	73	0	82	0	0	2	0	2	104	0	131	81	104	0	129	76	117	0	131	102	103	0	115	90	103	2	115	90	0	2
2100	109	0	119	0	165	0	182	0	0	2	0	2	123	0	146	103	126	0	142	105	125	0	136	110	110	0	124	93	110	2	124	93	0	2
2200	101	0	117	0	181	0	193	0	0	2	0	2	132	0	167	106	137	0	166	111	139	0	153	125	124	0	138	110	124	2	138	110	0	2
2300	117	0	136	0	220	0	229	0	0	2	0	2	139	0	192	100	143	0	185	99	146	0	161	132	130	0	158	116	130	2	158	116	0	2
2400	121	0	132	0	216	0	231	0	0	2	0	2	143	0	196	108	145	0	186	95	153	0	165	137	137	0	155	118	137	2	155	118	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	457	0	455	0	496	0	495	0	320	2	320	2	40	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	176	0
200	450	0	448	0	486	0	484	0	320	2	320	2	36	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	176	0
300	448	0	446	0	486	0	484	0	320	2	320	2	38	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	176	0
400	442	0	441	0	482	0	480	0	320	2	320	2	40	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	176	0
500	433	0	432	0	495	0	495	0	320	2	320	2	61	0	65	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	176	0
600	430	0	428	0	486	0	487	0	320	2	320	2	56	0	59	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	176	0
700	469	0	468	0	478	0	486	0	320	2	320	2	11	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	176	0
800	532	0	532	0	523	0	538	0	320	2	320	2	-9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	176	0
900	588	0	588	0	576	0	590	0	320	2	320	2	-13	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
1000	637	0	635	0	615	0	628	0	320	2	320	2	-20	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1100	669	0	667	0	646	0	655	0	320	2	320	2	-22	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1200	694	0	693	0	673	0	673	0	320	2	320	2	-20	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1300	725	0	723	0	698	0	685	0	320	2	320	2	-25	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1400	743	0	739	0	723	0	712	0	320	2	320	2	-16	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1500	759	0	757	0	745	0	734	0	320	2	320	2	-13	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1600	765	0	761	0	754	0	750	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1700	770	0	768	0	765	0	765	0	320	2	320	2	-4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1800	768	0	765	0	768	0	768	0	320	2	320	2	2	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1900	741	0	738	0	739	0	736	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
2000	718	0	716	0	727	0	723	0	320	2	320	2	11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
2100	685	0	684	0	694	0	691	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
2200	676	0	675	0	676	0	673	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
2300	667	0	666	0	666	0	662	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	175	0
2400	639	0	635	0	637	0	633	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	102	0	120	0	201	0	217	0	0	2	0	2	148	0	196	112	151	0	201	123	160	0	186	144	145	0	161	129	145	2	161	129	0	2
200	105	0	124	0	206	0	225	0	0	2	0	2	152	0	213	109	151	0	194	104	161	0	179	141	146	0	161	116	146	2	161	116	0	2
300	104	0	118	0	223	0	241	0	0	2	0	2	159	0	209	96	161	0	212	96	170	0	197	152	155	0	175	137	155	2	175	137	0	2
400	83	0	89	0	188	0	181	0	0	2	0	2	177	0	239	108	176	0	235	112	185	0	204	139	170	0	202	145	170	2	202	145	0	2
500	63	0	71	0	168	0	158	0	0	2	0	2	187	0	256	102	188	0	264	98	190	0	218	167	176	0	196	150	176	2	196	150	0	2
600	55	0	63	0	148	0	140	0	0	2	0	2	196	0	261	97	192	0	248	113	198	0	223	174	182	0	204	157	182	2	204	157	0	2
700	84	0	81	0	135	0	130	0	0	2	0	2	223	0	269	160	224	0	269	162	211	0	249	182	195	0	222	172	195	2	222	172	0	2
800	65	0	68	0	120	0	115	0	0	2	0	2	214	0	267	124	228	0	333	180	207	0	255	171	191	0	244	151	191	2	244	151	0	2
900	96	0	100	0	144	0	145	0	0	2	0	2	255	0	296	198	256	0	291	217	246	0	270	222	231	0	268	201	231	2	268	201	0	2
1000	148	0	133	0	216	0	201	0	0	2	0	2	234	0	272	183	234	0	282	192	225	0	256	194	210	0	238	186	210	2	238	186	0	2
1100	150	0	162	0	236	0	262	0	0	2	0	2	260	0	294	197	261	0	288	217	261	0	271	233	245	0	255	225	245	2	255	225	0	2
1200	110	0	118	0	163	0	177	0	0	2	0	2	281	0	359	237	281	0	344	233	280	0	315	217	263	0	301	202	263	2	301	202	0	2
1300	64	0	74	0	118	0	133	0	0	2	0	2	280	0	321	222	279	0	326	232	282	0	311	257	264	0	288	238	264	2	288	238	0	2
1400	161	0	161	0	244	0	269	0	0	2	0	2	299	0	354	256	300	0	340	266	291	0	302	264	277	0	287	252	277	2	287	252	0	2
1500	84	0	93	0	132	0	145	0	0	2	0	2	272	0	306	221	271	0	308	232	274	0	305	243	259	0	279	231	259	2	279	231	0	2
1600	39	0	48	0	80	0	94	0	0	2	0	2	249	0	282	202	249	0	280	208	272	0	291	251	258	0	273	238	258	2	273	238	0	2
1700	60	0	59	0	111	0	98	0	0	2	0	2	236	0	277	192	235	0	268	171	231	0	261	202	217	0	237	194	217	2	237	194	0	2
1800	58	0	56	0	96	0	98	0	0	2	0	2	239	0	271	203	236	0	272	199	246	0	272	221	232	0	257	214	232	2	257	214	0	2
1900	37	0	48	0	84	0	90	0	0	2	0	2	155	0	189	112	159	0	200	113	175	0	206	162	160	0	173	148	160	2	173	148	0	2
2000	38	0	46	0	99	0	95	0	0	2	0	2	180	0	223	131	184	0	238	124	206	0	230	187	192	0	209	174	192	2	209	174	0	2
2100	63	0	66	0	136	0	136	0	0	2	0	2	211	0	256	153	209	0	262	144	217	0	232	202	202	0	215	186	202	2	215	186	0	2
2200	100	0	95	0	171	0	163	0	0	2	0	2	225	0	265	161	225	0	270	186	221	0	238	202	208	0	230	184	208	2	230	184	0	2
2300	129	0	116	0	204	0	188	0	0	2	0	2	239	0	273	200	241	0	288	198	230	0	259	207	215	0	234	190	215	2	234	190	0	2
2400	118	0	123	0	200	0	222	0	0	2	0	2	270	0	304	233	268	0	308	236	279	0	302	243	264	0	293	237	264	2	293	237	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	624	0	622	0	622	0	621	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
200	612	0	610	0	612	0	608	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
300	615	0	613	0	617	0	615	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
400	622	0	621	0	626	0	624	0	320	2	320	2	7	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
500	639	0	637	0	648	0	644	0	320	2	320	2	11	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
600	657	0	655	0	664	0	662	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
700	691	0	689	0	693	0	691	0	320	2	320	2	4	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
800	723	0	721	0	720	0	720	0	320	2	320	2	-4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
900	649	0	646	0	639	0	633	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1000	743	0	739	0	738	0	734	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1100	720	0	716	0	732	0	730	0	320	2	320	2	34	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1200	682	0	680	0	691	0	687	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1300	709	0	703	0	693	0	691	0	320	2	320	2	-14	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	174	0
1400	673	0	671	0	691	0	676	0	320	2	320	2	20	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	178	0
1500	673	0	671	0	700	0	693	0	320	2	320	2	25	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	178	0
1600	657	0	653	0	673	0	669	0	320	2	320	2	18	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	178	0
1700	376	0	374	0	379	0	376	0	320	2	320	2	4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1800	397	0	395	0	610	0	615	0	320	2	320	2	13	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1900	617	0	615	0	639	0	635	0	320	2	320	2	23	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2000	631	0	630	0	666	0	662	0	320	2	320	2	34	0	34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2100	648	0	648	0	685	0	682	0	320	2	320	2	38	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2200	678	0	676	0	698	0	693	0	320	2	320	2	20	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2300	680	0	680	0	691	0	685	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0
2400	599	0	597	0	621	0	617	0	320	2	320	2	22	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0

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REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	32	0	38	0	50	0	60	0	0	2	0	2	251	0	324	199	252	0	304	196	274	0	307	235	257	0	289	216	257	2	289	216	0	2
200	36	0	46	0	104	0	114	0	0	2	0	2	3	0	61	294	358	0	64	287	349	0	24	302	332	0	8	305	332	2	8	305	0	2
300	31	0	43	0	95	0	106	0	0	2	0	2	352	0	40	304	351	0	38	314	352	0	13	317	332	0	354	311	332	2	354	311	0	2
400	23	0	34	0	49	0	59	0	0	2	0	2	308	0	355	248	308	0	350	256	333	0	10	286	314	0	345	272	314	2	345	272	0	2
500	49	0	60	0	82	0	96	0	0	2	0	2	285	0	325	248	283	0	337	246	291	0	310	257	275	0	255	227	275	2	296	227	0	2
600	54	0	64	0	108	0	120	0	0	2	0	2	340	0	41	285	334	0	25	290	327	0	4	288	310	0	327	277	310	2	329	277	0	2
700	84	0	95	0	155	0	165	0	0	2	0	2	311	0	355	258	307	0	354	260	313	0	334	297	297	0	317	283	297	2	317	283	0	2
800	84	0	93	0	167	0	173	0	0	2	0	2	307	0	343	265	307	0	348	252	313	0	334	298	300	0	315	284	300	2	315	284	0	2
900	104	0	111	0	163	0	174	0	0	2	0	2	298	0	339	268	296	0	328	253	301	0	312	292	286	0	300	276	286	2	300	276	0	2
1000	91	0	93	0	131	0	137	0	0	2	0	2	305	0	357	265	300	0	357	260	308	0	333	280	293	0	317	272	293	2	317	272	0	2
1100	73	0	73	0	113	0	118	0	0	2	0	2	359	0	90	291	0	0	89	278	354	0	61	307	336	0	41	298	336	2	41	298	0	2
1200	78	0	79	0	110	0	111	0	0	2	0	2	345	0	74	272	344	0	91	291	349	0	25	301	327	0	15	294	327	2	15	294	0	2
1300	108	0	113	0	140	0	151	0	0	2	0	2	342	0	33	279	341	0	42	283	343	0	45	306	325	0	0	280	325	2	0	280	0	2
1400	76	0	85	0	127	0	134	0	0	2	0	2	354	0	170	277	349	0	86	290	349	0	33	294	331	0	16	303	331	2	16	303	0	2
1500	82	0	84	0	134	0	139	0	0	2	0	2	358	0	158	277	357	0	96	270	353	0	44	293	337	0	29	287	337	2	29	287	0	2
1600	109	0	117	0	173	0	173	0	0	2	0	2	354	0	64	281	350	0	103	295	351	0	35	314	333	0	27	290	333	2	27	290	0	2
1700	98	0	109	0	171	0	166	0	0	2	0	2	351	0	67	283	344	0	38	291	349	0	24	313	331	0	355	303	331	2	355	303	0	2
1800	85	0	96	0	163	0	167	0	0	2	0	2	17	0	80	289	13	0	90	284	358	0	50	277	342	0	28	312	342	2	28	312	0	2
1900	124	0	133	0	202	0	211	0	0	2	0	2	14	0	83	291	13	0	67	306	1	0	28	334	343	0	2	320	343	2	2	320	0	2
2000	118	0	133	0	194	0	203	0	0	2	0	2	24	0	72	340	22	0	61	331	2	0	27	343	343	0	6	325	343	2	6	325	0	2
2100	140	0	146	0	201	0	206	0	0	2	0	2	27	0	83	335	25	0	56	349	9	0	34	334	350	0	22	324	350	2	22	324	0	2
2200	130	0	139	0	180	0	190	0	0	2	0	2	28	0	74	352	26	0	62	351	11	0	48	335	351	0	20	320	351	2	20	320	0	2
2300	124	0	133	0	163	0	167	0	0	2	0	2	34	0	65	5	33	0	73	1	18	0	45	339	0	0	23	331	0	2	23	331	0	2
2400	115	0	125	0	171	0	177	0	0	2	0	2	30	0	65	345	27	0	66	340	18	0	43	350	358	0	14	336	358	2	14	336	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	559	0	558	0	577	0	568	0	320	2	320	2	14	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	102	0
200	531	0	529	0	536	0	534	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	102	0
300	527	0	525	0	532	0	531	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	102	0
400	509	0	507	0	514	0	514	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	102	0
500	505	0	504	0	516	0	514	0	320	2	320	2	11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
600	491	0	491	0	500	0	498	0	320	2	320	2	5	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
700	502	0	502	0	507	0	511	0	320	2	320	2	4	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
800	516	0	516	0	516	0	518	0	320	2	320	2	-7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
900	522	0	520	0	504	0	516	0	320	2	320	2	-16	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
1000	522	0	520	0	504	0	511	0	320	2	320	2	-20	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
1100	534	0	534	0	520	0	520	0	320	2	320	2	-20	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
1200	518	0	518	0	498	0	498	0	320	2	320	2	-23	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
1300	475	0	475	0	462	0	459	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
1400	450	0	450	0	439	0	432	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
1500	453	0	453	0	450	0	435	0	320	2	320	2	-14	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
1600	442	0	442	0	435	0	426	0	320	2	320	2	-13	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
1700	451	0	453	0	455	0	442	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
1800	446	0	444	0	437	0	433	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
1900	448	0	448	0	446	0	442	0	320	2	320	2	-4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
2000	442	0	441	0	435	0	433	0	320	2	320	2	-7	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
2100	442	0	441	0	437	0	433	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
2200	448	0	446	0	442	0	441	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
2300	462	0	462	0	455	0	451	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0
2400	453	0	451	0	446	0	444	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	103	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	86	0	94	0	134	0	142	0	0	2	0	2	33	0	66	335	32	0	75	347	19	0	52	353	359	0	22	331	359	2	22	331	0	2
200	51	0	64	0	94	0	108	0	0	2	0	2	42	0	93	333	44	0	98	330	36	0	58	336	13	0	32	330	13	2	32	330	0	2
300	86	0	99	0	134	0	145	0	0	2	0	2	28	0	65	335	25	0	67	344	10	0	46	340	352	0	15	318	352	2	15	318	0	2
400	73	0	78	0	106	0	111	0	0	2	0	2	33	0	58	5	34	0	75	2	29	0	62	1	7	0	40	350	7	2	40	350	0	2
500	85	0	93	0	122	0	126	0	0	2	0	2	34	0	71	1	35	0	85	3	25	0	48	6	4	0	25	346	4	2	25	346	0	2
600	78	0	87	0	123	0	128	0	0	2	0	2	34	0	71	352	31	0	68	339	22	0	53	355	0	0	24	329	0	2	24	329	0	2
700	48	0	61	0	66	0	75	0	0	2	0	2	41	0	79	344	45	0	77	336	34	0	74	1	11	0	51	340	11	2	51	340	0	2
800	61	0	73	0	83	0	94	0	0	2	0	2	16	0	62	305	17	0	70	321	10	0	38	330	350	0	12	313	350	2	12	313	0	2
900	46	0	56	0	68	0	76	0	0	2	0	2	10	0	110	276	12	0	129	298	4	0	41	323	346	0	15	302	346	2	15	302	0	2
1000	42	0	50	0	78	0	88	0	0	2	0	2	17	0	133	294	20	0	167	311	356	0	62	303	341	0	60	294	341	2	60	294	0	2
1100	58	0	69	0	89	0	102	0	0	2	0	2	13	0	99	291	8	0	67	284	358	0	49	315	338	0	14	271	338	2	14	271	0	2
1200	59	0	67	0	95	0	105	0	0	2	0	2	353	0	139	287	350	0	46	276	356	0	50	308	338	0	17	289	338	2	17	289	0	2
1300	90	0	98	0	122	0	132	0	0	2	0	2	350	0	47	285	350	0	48	285	352	0	39	272	333	0	9	284	333	2	9	284	0	2
1400	76	0	93	0	114	0	123	0	0	2	0	2	349	0	56	270	347	0	50	276	348	0	22	305	329	0	345	296	329	2	345	296	0	2
1500	69	0	79	0	108	0	116	0	0	2	0	2	23	0	136	297	23	0	113	287	359	0	53	293	343	0	17	272	343	2	17	272	0	2
1600	96	0	103	0	132	0	145	0	0	2	0	2	25	0	73	324	25	0	71	326	5	0	33	327	346	0	34	301	346	2	34	301	0	2
1700	102	0	112	0	143	0	149	0	0	2	0	2	23	0	75	338	22	0	72	343	14	0	58	340	355	0	28	324	355	2	28	324	0	2
1800	97	0	107	0	125	0	134	0	0	2	0	2	32	0	71	344	33	0	80	355	14	0	39	333	356	0	20	318	356	2	20	318	0	2
1900	68	0	79	0	105	0	112	0	0	2	0	2	35	0	85	356	32	0	75	343	19	0	58	343	359	0	29	322	359	2	29	322	0	2
2000	85	0	94	0	120	0	126	0	0	2	0	2	29	0	75	333	30	0	83	324	21	0	45	352	1	0	37	336	1	2	37	336	0	2
2100	71	0	78	0	122	0	132	0	0	2	0	2	42	0	84	14	43	0	85	17	33	0	55	10	11	0	29	356	11	2	29	356	0	2
2200	46	0	56	0	83	0	106	0	0	2	0	2	84	0	118	58	87	0	117	55	58	0	66	43	32	0	43	24	32	2	43	24	0	2
2300	53	0	72	0	106	0	131	0	0	2	0	2	66	0	79	57	68	0	86	59	61	0	65	58	36	0	40	32	36	2	40	32	0	2
2400	70	0	79	0	172	0	174	0	0	2	0	2	83	0	100	71	86	0	104	75	72	0	79	68	47	0	54	44	47	2	54	44	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	469	0	468	0	462	0	460	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
200	469	0	468	0	486	0	484	0	320	2	320	2	18	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
300	450	0	448	0	442	0	441	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
400	453	0	450	0	451	0	450	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
500	457	0	453	0	450	0	448	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
600	464	0	462	0	457	0	457	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
700	489	0	487	0	487	0	496	0	320	2	320	2	2	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
800	507	0	509	0	491	0	509	0	320	2	320	2	-14	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	104	0
900	523	0	527	0	507	0	523	0	320	2	320	2	-20	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1000	523	0	525	0	502	0	518	0	320	2	320	2	-22	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1100	525	0	527	0	507	0	518	0	320	2	320	2	-18	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1200	522	0	522	0	498	0	502	0	320	2	320	2	-23	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1300	525	0	525	0	504	0	493	0	320	2	320	2	-22	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1400	525	0	525	0	507	0	493	0	320	2	320	2	-16	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1500	513	0	514	0	507	0	495	0	320	2	320	2	-13	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1600	495	0	495	0	489	0	486	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1700	496	0	496	0	500	0	498	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1800	500	0	500	0	507	0	505	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1900	493	0	495	0	498	0	496	0	320	2	320	2	4	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2000	477	0	475	0	473	0	473	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2100	482	0	480	0	486	0	486	0	320	2	320	2	5	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2200	478	0	478	0	500	0	498	0	320	2	320	2	22	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2300	477	0	477	0	532	0	531	0	320	2	320	2	56	0	58	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	482	0	480	0	554	0	554	0	320	2	320	2	76	0	77	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	81	0	90	0	179	0	183	0	0	2	0	2	93	0	125	73	97	0	118	78	83	0	86	81	57	0	58	55	57	2	58	55	0	2
200	78	0	88	0	155	0	158	0	0	2	0	2	75	0	91	63	79	0	95	68	75	0	78	68	50	0	53	46	50	2	53	46	0	2
300	68	0	78	0	138	0	141	0	0	2	0	2	77	0	106	48	82	0	115	53	73	0	86	62	48	0	55	40	48	2	55	40	0	2
400	67	0	75	0	122	0	127	0	0	2	0	2	83	0	106	66	86	0	107	68	81	0	85	72	55	0	63	48	55	2	63	48	0	2
500	63	0	73	0	117	0	122	0	0	2	0	2	75	0	97	54	78	0	93	68	75	0	79	68	51	0	53	45	51	2	53	45	0	2
600	46	0	61	0	90	0	109	0	0	2	0	2	72	0	103	40	74	0	105	46	65	0	73	304	42	0	56	33	42	2	56	33	0	2
700	45	0	61	0	63	0	75	0	0	2	0	2	72	0	113	35	75	0	110	42	70	0	98	51	44	0	63	26	44	2	63	26	0	2
800	56	0	67	0	66	0	75	0	0	2	0	2	92	0	139	63	97	0	135	45	91	0	131	75	64	0	91	44	64	2	91	44	0	2
900	31	0	44	0	36	0	50	0	0	2	0	2	91	0	151	30	93	0	169	45	91	0	158	28	63	0	111	23	63	2	111	23	0	2
1000	22	0	27	0	38	0	45	0	0	2	0	2	190	3	267	97	197	3	268	94	60	0	171	296	34	0	155	286	34	2	155	286	0	2
1100	46	0	57	0	46	0	53	0	0	2	0	2	337	0	24	270	333	0	29	272	0	0	75	309	343	0	31	293	343	2	31	293	0	2
1200	59	0	71	0	87	0	90	0	0	2	0	2	344	0	41	280	341	0	73	286	1	0	66	328	341	0	13	310	341	2	13	310	0	2
1300	71	0	75	0	108	0	112	0	0	2	0	2	355	0	101	275	352	0	111	293	359	0	49	319	340	0	14	284	340	2	14	284	0	2
1400	111	0	120	0	132	0	142	0	0	2	0	2	26	0	62	288	26	0	81	316	4	0	34	319	343	0	12	299	343	2	12	299	0	2
1500	76	0	89	0	119	0	129	0	0	2	0	2	29	0	95	341	29	0	85	346	14	0	45	346	354	0	29	320	354	2	29	320	0	2
1600	103	0	109	0	143	0	149	0	0	2	0	2	28	0	76	341	29	0	79	341	12	0	48	339	355	0	23	328	355	2	23	328	0	2
1700	95	0	104	0	149	0	156	0	0	2	0	2	25	0	97	340	24	0	96	338	9	0	48	329	351	0	25	315	351	2	25	315	0	2
1800	128	0	134	0	167	0	175	0	0	2	0	2	30	0	60	3	29	0	68	349	22	0	50	355	0	0	19	341	0	2	19	341	0	2
1900	100	0	109	0	141	0	149	0	0	2	0	2	39	0	75	4	40	0	75	4	29	0	51	11	9	0	30	350	9	2	30	350	0	2
2000	99	0	114	0	150	0	160	0	0	2	0	2	42	0	72	14	41	0	86	5	29	0	53	8	8	0	36	350	8	2	36	350	0	2
2100	75	0	90	0	128	0	140	0	0	2	0	2	48	0	79	24	47	0	73	0	34	0	52	14	12	0	33	357	12	2	33	357	0	2
2200	71	0	86	0	122	0	134	0	0	2	0	2	47	0	77	14	51	0	73	358	39	0	63	16	15	0	27	352	15	2	27	352	0	2
2300	57	0	71	0	105	0	133	0	0	2	0	2	49	0	79	22	51	0	85	24	47	0	56	38	23	0	32	14	23	2	32	14	0	2
2400	38	0	50	0	118	0	129	0	0	2	0	2	72	0	81	63	75	0	85	68	71	0	82	61	45	0	55	38	45	2	55	38	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	484	0	484	0	561	0	559	0	320	2	320	2	77	0	77	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
200	496	0	496	0	556	0	554	0	320	2	320	2	59	0	59	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
300	486	0	484	0	509	0	507	0	320	2	320	2	23	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
400	475	0	473	0	493	0	491	0	320	2	320	2	18	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
500	459	0	457	0	486	0	484	0	320	2	320	2	29	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
600	459	0	459	0	478	0	480	0	320	2	320	2	20	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
700	496	0	495	0	489	0	504	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
800	529	0	529	0	514	0	538	0	320	2	320	2	-14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
900	581	0	582	0	568	0	597	0	320	2	320	2	-14	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1000	610	0	606	0	597	0	621	0	320	2	320	2	-13	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1100	621	0	621	0	606	0	613	0	320	2	320	2	-18	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1200	581	0	581	0	567	0	568	0	320	2	320	2	-14	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1300	585	0	586	0	563	0	549	0	320	2	320	2	-22	0	-36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1400	581	0	583	0	583	0	570	0	320	2	320	2	2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1500	622	0	624	0	619	0	606	0	320	2	320	2	-5	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1600	588	0	590	0	597	0	588	0	320	2	320	2	5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1700	574	0	574	0	576	0	572	0	320	2	320	2	4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1800	577	0	577	0	586	0	586	0	320	2	320	2	11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1900	585	0	583	0	592	0	592	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2000	543	0	541	0	541	0	541	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2100	525	0	523	0	534	0	534	0	320	2	320	2	11	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2200	529	0	527	0	541	0	541	0	320	2	320	2	14	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2300	543	0	541	0	586	0	586	0	320	2	320	2	45	0	49	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
2400	529	0	527	0	603	0	601	0	320	2	320	2	76	0	76	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	53	0	68	0	111	0	117	0	0	2	0	2	69	0	84	55	71	0	90	59	72	0	82	60	47	0	57	35	47	2	57	35	0	2
200	51	0	64	0	101	0	106	0	0	2	0	2	71	0	77	66	73	0	85	52	76	0	85	294	52	0	64	49	52	2	64	49	0	2
300	66	0	85	0	121	0	147	0	0	2	0	2	66	0	82	46	66	0	85	42	65	0	68	61	40	0	44	35	40	2	44	35	0	2
400	77	0	87	0	148	0	153	0	0	2	0	2	75	0	90	53	77	0	93	57	70	0	77	65	46	0	52	41	46	2	52	41	0	2
500	81	0	88	0	159	0	164	0	0	2	0	2	88	0	119	65	91	0	109	72	84	0	88	79	58	0	63	54	58	2	63	54	0	2
600	81	0	85	0	174	0	177	0	0	2	0	2	97	0	126	72	98	0	123	68	86	0	90	83	61	0	64	59	61	2	64	59	0	2
700	26	0	37	0	66	0	76	0	0	2	0	2	82	3	126	59	86	0	124	49	75	0	89	58	48	0	63	30	48	2	63	30	0	2
800	11	0	24	0	14	0	26	0	0	2	0	2	79	3	129	17	82	3	141	14	56	3	121	4	33	3	86	346	33	2	86	346	0	2
900	37	0	54	0	49	0	66	0	0	2	0	2	71	0	119	24	71	0	113	27	59	0	94	16	35	0	67	322	35	2	67	322	0	2
1000	41	0	53	0	50	0	61	0	0	2	0	2	88	0	169	38	90	0	146	27	66	0	104	10	41	0	82	338	41	2	82	338	0	2
1100	22	0	38	0	57	0	63	0	0	2	0	2	322	3	150	271	325	0	38	271	358	0	32	327	338	0	11	311	338	2	11	311	0	2
1200	76	0	87	0	120	0	131	0	0	2	0	2	335	0	25	278	333	0	42	280	333	0	343	316	318	0	332	301	318	2	332	301	0	2
1300	82	0	98	0	134	0	148	0	0	2	0	2	328	0	15	276	328	0	28	272	328	0	345	302	312	0	332	281	312	2	332	281	0	2
1400	92	0	99	0	151	0	159	0	0	2	0	2	341	0	23	283	342	0	25	291	344	0	9	322	325	0	345	296	325	2	345	296	0	2
1500	57	0	69	0	127	0	139	0	0	2	0	2	10	0	133	289	10	0	80	294	0	0	57	324	341	0	33	303	341	2	33	303	0	2
1600	70	0	82	0	109	0	117	0	0	2	0	2	27	0	94	316	28	0	90	333	3	0	48	279	345	0	21	296	345	2	21	296	0	2
1700	97	0	113	0	136	0	145	0	0	2	0	2	35	0	85	314	35	0	84	345	19	0	61	343	0	0	34	332	0	2	34	332	0	2
1800	81	0	94	0	119	0	132	0	0	2	0	2	46	0	77	351	46	0	85	336	34	0	60	344	14	0	37	341	14	2	37	341	0	2
1900	58	0	69	0	91	0	102	0	0	2	0	2	35	0	69	358	35	0	67	4	33	0	58	7	11	0	30	351	11	2	30	351	0	2
2000	48	0	58	0	86	0	110	0	0	2	0	2	77	0	114	17	78	0	118	14	58	0	73	33	33	0	61	12	33	2	61	12	0	2
2100	55	0	73	0	116	0	139	0	0	2	0	2	66	0	92	43	68	0	107	42	51	0	58	44	25	0	34	20	25	2	34	20	0	2
2200	42	0	54	0	71	0	77	0	0	2	0	2	351	0	57	282	350	0	52	270	9	0	46	276	351	0	48	280	351	2	48	280	0	2
2300	18	0	31	0	57	0	77	0	0	2	0	2	331	3	66	271	331	0	62	270	40	0	61	313	20	0	40	336	20	2	40	336	0	2
2400	32	0	45	0	67	0	76	0	0	2	0	2	342	0	57	287	337	0	34	283	345	0	4	323	329	0	347	309	329	2	347	309	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	529	0	529	0	599	0	597	0	320	2	320	2	72	0	72	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
200	525	0	525	0	604	0	601	0	320	2	320	2	79	0	79	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
300	518	0	516	0	574	0	572	0	320	2	320	2	58	0	58	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
400	507	0	505	0	561	0	559	0	320	2	320	2	56	0	54	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
500	509	0	507	0	574	0	572	0	320	2	320	2	67	0	67	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
600	504	0	502	0	574	0	574	0	320	2	320	2	72	0	74	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
700	541	0	540	0	559	0	572	0	320	2	320	2	18	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
800	606	0	606	0	597	0	639	0	320	2	320	2	-7	0	36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
900	653	0	653	0	630	0	658	0	320	2	320	2	-20	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1000	639	0	637	0	633	0	631	0	320	2	320	2	-9	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	103	0
1100	644	0	640	0	640	0	651	0	320	2	320	2	-4	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1200	588	0	586	0	585	0	577	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1300	579	0	577	0	558	0	543	0	320	2	320	2	-22	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1400	574	0	574	0	568	0	554	0	320	2	320	2	-5	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1500	621	0	622	0	613	0	601	0	320	2	320	2	-9	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1600	597	0	599	0	595	0	586	0	320	2	320	2	-4	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1700	612	0	613	0	622	0	619	0	320	2	320	2	9	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1800	626	0	626	0	631	0	628	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1900	619	0	617	0	628	0	626	0	320	2	320	2	11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2000	577	0	576	0	595	0	594	0	320	2	320	2	22	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2100	581	0	579	0	621	0	619	0	320	2	320	2	40	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2200	595	0	594	0	613	0	610	0	320	2	320	2	18	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2300	529	0	529	0	617	0	610	0	320	2	320	2	86	0	86	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2400	506	0	504	0	520	0	518	0	320	2	320	2	16	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0

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

REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIN DIR6	S
100	11	0	23	0	48	0	62	0	0	2	0	2	9	3	59	275	11	3	73	277	48	0	61	23	23	0	36	3	23	2	36	3	0	2
200	14	0	27	0	60	0	68	0	0	2	0	2	84	3	120	40	87	3	124	35	113	0	138	93	85	0	109	65	85	2	109	65	0	2
300	23	0	28	0	55	0	62	0	0	2	0	2	85	3	109	15	88	3	109	4	120	0	149	100	107	0	135	88	107	2	135	88	0	2
400	19	0	25	0	25	0	32	0	0	2	0	2	266	0	289	188	270	3	332	232	21	0	133	271	183	0	269	90	183	2	269	90	0	2
500	22	0	27	0	31	0	37	0	0	2	0	2	213	3	267	95	215	3	269	100	176	0	269	90	154	0	262	32	154	2	262	32	0	2
600	22	0	28	0	27	0	34	0	0	2	0	2	334	0	160	270	276	3	349	94	91	0	119	6	61	3	98	1	61	2	98	1	0	2
700	23	2	12	0	40	0	50	0	0	2	0	2	35	3	104	281	83	3	113	0	89	0	96	80	61	0	74	53	61	2	74	53	0	2
800	12	0	26	0	36	0	46	0	0	2	0	2	130	0	176	89	133	0	181	100	116	0	140	95	84	0	104	56	84	2	104	56	0	2
900	22	0	32	0	30	0	44	0	0	2	0	2	111	0	157	11	115	0	156	11	140	0	250	101	117	0	166	76	117	2	166	76	0	2
1000	22	0	37	0	19	0	32	0	0	2	0	2	287	0	321	229	290	0	353	243	270	0	297	228	253	0	284	208	253	2	284	208	0	2
1100	23	0	34	0	55	0	70	0	0	2	0	2	293	0	339	239	293	0	348	244	288	0	300	281	274	0	285	265	274	2	285	265	0	2
1200	38	0	55	0	73	0	84	0	0	2	0	2	310	0	358	245	314	0	27	271	315	0	340	299	300	0	318	282	300	2	318	282	0	2
1300	46	0	57	0	78	0	92	0	0	2	0	2	298	0	341	252	294	0	356	233	305	0	324	287	290	0	303	272	290	2	303	272	0	2
1400	59	0	73	0	104	0	120	0	0	2	0	2	331	0	22	272	331	0	19	281	325	0	342	296	309	0	351	281	309	2	351	281	0	2
1500	72	0	83	0	120	0	132	0	0	2	0	2	345	0	31	308	341	0	29	282	337	0	35	312	318	0	344	291	318	2	344	291	0	2
1600	37	0	49	0	73	0	83	0	0	2	0	2	8	0	98	274	14	0	145	281	1	0	116	292	339	0	27	281	339	2	27	281	0	2
1700	43	0	53	0	62	0	70	0	0	2	0	2	31	0	119	326	28	0	86	314	19	0	51	310	359	0	44	283	359	2	44	283	0	2
1800	33	0	47	0	45	0	54	0	0	2	0	2	29	0	71	332	30	0	95	0	39	0	92	11	13	0	56	335	13	2	56	335	0	2
1900	31	0	44	0	67	0	75	0	0	2	0	2	37	0	110	333	33	0	169	329	14	0	37	337	353	0	16	317	353	2	16	317	0	2
2000	24	0	38	0	69	0	88	0	0	2	0	2	66	3	113	9	70	0	120	3	48	0	61	36	22	0	28	7	22	2	28	7	0	2
2100	35	0	48	0	93	0	71	0	0	2	0	2	83	0	107	66	86	0	106	68	63	0	71	51	36	0	44	22	36	2	44	22	0	2
2200	45	0	54	0	83	0	93	0	0	2	0	2	86	0	106	69	90	0	117	68	74	0	85	61	47	0	57	34	47	2	57	34	0	2
2300	20	0	34	0	46	0	54	0	0	2	0	2	147	0	189	109	151	0	174	107	108	0	117	100	79	0	88	73	79	2	88	73	0	2
2400	14	0	28	0	33	0	43	0	0	2	0	2	143	0	185	123	145	0	168	123	125	0	134	121	96	0	105	93	96	2	105	93	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	518	0	516	0	570	0	568	0	320	2	320	2	54	0	54	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
200	509	0	507	0	604	0	603	0	320	2	320	2	95	0	97	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
300	520	0	518	0	597	0	595	0	320	2	320	2	79	0	79	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
400	520	0	520	0	554	0	549	0	320	2	320	2	36	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
500	513	0	513	0	549	0	545	0	320	2	320	2	34	0	36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
600	522	0	520	0	561	0	558	0	320	2	320	2	40	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
700	540	0	538	0	585	0	583	0	320	2	320	2	45	0	47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
800	572	0	570	0	581	0	579	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
900	619	0	619	0	615	0	615	0	320	2	320	2	-5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1000	673	0	667	0	671	0	693	0	320	2	320	2	-2	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1100	615	0	610	0	626	0	630	0	320	2	320	2	11	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1200	613	0	610	0	610	0	606	0	320	2	320	2	-4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1300	586	0	579	0	565	0	556	0	320	2	320	2	-22	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1400	624	0	624	0	610	0	595	0	320	2	320	2	-16	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1500	603	0	603	0	612	0	599	0	320	2	320	2	7	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1600	648	0	649	0	646	0	639	0	320	2	320	2	-4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1700	662	0	662	0	666	0	664	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1800	651	0	649	0	658	0	658	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1900	608	0	608	0	612	0	612	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2000	590	0	588	0	631	0	631	0	320	2	320	2	41	0	45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2100	592	0	590	0	635	0	635	0	320	2	320	2	47	0	49	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2200	588	0	586	0	653	0	649	0	320	2	320	2	65	0	67	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2300	595	0	594	0	649	0	649	0	320	2	320	2	56	0	58	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2400	604	0	603	0	658	0	655	0	320	2	320	2	54	0	56	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	28	0	40	0	51	0	59	0	0	2	0	2	117	0	123	111	120	0	127	113	107	0	118	103	79	0	89	74	79	2	89	74	0	2
200	21	0	30	0	41	0	51	0	0	2	0	2	314	3	356	238	321	3	135	274	339	0	18	325	323	0	356	309	323	2	356	309	0	2
300	19	0	33	0	46	0	54	0	0	2	0	2	64	3	106	28	64	0	117	17	31	0	41	21	9	0	18	0	9	2	18	0	0	2
400	30	0	60	0	74	0	80	0	0	2	0	2	102	0	119	85	107	0	131	88	79	0	88	73	53	0	61	47	53	2	61	47	0	2
500	39	0	49	0	68	0	78	0	0	2	0	2	83	0	110	65	86	0	111	62	70	0	76	62	44	0	51	36	44	2	51	36	0	2
600	39	0	53	0	67	0	74	0	0	2	0	2	73	0	92	54	74	0	96	62	73	0	83	65	47	0	55	40	47	2	55	40	0	2
700	32	0	42	0	56	0	62	0	0	2	0	2	111	0	132	80	115	0	136	85	101	0	110	86	74	0	91	60	74	2	91	60	0	2
800	12	0	26	0	17	0	26	0	0	2	0	2	110	0	175	24	120	3	176	52	131	0	170	57	117	3	158	55	117	2	158	55	0	2
900	27	0	41	0	34	0	42	0	0	2	0	2	270	0	293	234	267	0	293	238	255	0	277	230	241	0	259	218	241	2	259	218	0	2
1000	23	0	36	0	43	0	52	0	0	2	0	2	315	0	359	261	315	0	7	271	346	0	4	321	327	0	343	312	327	2	343	312	0	2
1100	54	0	63	0	88	0	106	0	0	2	0	2	304	0	343	260	301	0	347	261	284	0	295	275	271	0	283	262	271	2	283	262	0	2
1200	44	0	54	0	72	0	81	0	0	2	0	2	308	0	346	266	303	0	341	267	307	0	328	289	292	0	312	270	292	2	312	270	0	2
1300	36	0	50	0	69	0	78	0	0	2	0	2	327	0	123	282	322	0	84	270	334	0	25	294	318	0	339	281	318	2	339	281	0	2
1400	75	0	92	0	104	0	118	0	0	2	0	2	330	0	16	293	325	0	3	278	332	0	354	314	315	0	333	298	315	2	333	298	0	2
1500	30	0	40	0	65	0	77	0	0	2	0	2	9	3	161	283	4	0	175	279	2	0	55	308	345	0	25	275	345	2	25	275	0	2
1600	45	0	59	0	71	0	80	0	0	2	0	2	36	0	75	355	34	0	88	0	16	0	58	339	354	0	17	320	354	2	17	320	0	2
1700	71	0	85	0	104	0	115	0	0	2	0	2	44	0	87	349	42	0	106	3	35	0	73	344	12	0	40	352	12	2	40	352	0	2
1800	29	0	40	0	35	0	46	0	0	2	0	2	38	3	109	1	33	0	97	337	37	0	91	350	13	0	58	319	13	2	58	319	0	2
1900	25	0	39	0	35	0	47	0	0	2	0	2	42	3	82	348	38	0	77	343	42	0	67	1	17	0	52	349	17	2	52	349	0	2
2000	20	0	32	0	39	0	56	0	0	2	0	2	25	3	58	6	23	0	53	349	44	0	51	37	19	0	26	14	19	2	26	14	0	2
2100	34	0	46	0	94	0	102	0	0	2	0	2	40	0	64	5	39	0	59	10	40	0	42	36	17	0	19	13	17	2	19	13	0	2
2200	52	0	69	0	115	0	141	0	0	2	0	2	58	0	97	27	57	0	79	34	55	0	59	46	27	0	32	23	27	2	32	23	0	2
2300	60	0	69	0	141	0	154	0	0	2	0	2	79	0	93	68	81	0	93	69	68	0	72	59	42	0	46	34	42	2	46	34	0	2
2400	85	0	93	0	175	0	181	0	0	2	0	2	97	0	121	67	100	0	121	83	89	0	91	88	62	0	64	61	62	2	64	61	0	2

HOUR	AMB TEM1 30 A	S	AMB TEM2 30 B	S	AMB TEM3 120A	S	AMB TEM4 180B	S	AMB TEM5	S	AMB TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	599	0	597	0	653	0	651	0	320	2	320	2	54	0	56	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
200	585	0	583	0	610	0	604	0	320	2	320	2	25	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
300	552	0	550	0	594	0	595	0	320	2	320	2	43	0	47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
400	556	0	554	0	613	0	610	0	320	2	320	2	58	0	58	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
500	565	0	563	0	604	0	603	0	320	2	320	2	41	0	43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
600	577	0	576	0	617	0	615	0	320	2	320	2	41	0	43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
700	590	0	588	0	631	0	628	0	320	2	320	2	38	0	45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
800	664	0	662	0	651	0	687	0	320	2	320	2	-11	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
900	678	0	675	0	671	0	696	0	320	2	320	2	-7	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1000	685	0	682	0	689	0	707	0	320	2	320	2	5	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1100	651	0	648	0	622	0	633	0	320	2	320	2	-27	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1200	669	0	667	0	637	0	642	0	320	2	320	2	-29	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1300	669	0	666	0	649	0	635	0	320	2	320	2	-16	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1400	630	0	628	0	608	0	586	0	320	2	320	2	-22	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1500	675	0	676	0	698	0	642	0	320	2	320	2	-14	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1600	705	0	707	0	703	0	698	0	320	2	320	2	0	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1700	700	0	700	0	703	0	703	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1800	714	0	714	0	730	0	732	0	320	2	320	2	18	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1900	720	0	718	0	718	0	718	0	320	2	320	2	0	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2000	666	0	662	0	691	0	689	0	320	2	320	2	27	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2100	615	0	612	0	680	0	678	0	320	2	320	2	67	0	68	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2200	610	0	608	0	687	0	684	0	320	2	320	2	77	0	77	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
2300	610	0	608	0	682	0	680	0	320	2	320	2	74	0	74	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
24[illegible]	22	0	621	0	698	0	694	0	320	2	320	2	77	0	77	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	70	0	76	0	155	0	157	0	0	2	0	2	103	0	124	86	106	0	130	89	98	0	101	97	72	0	74	69	72	2	74	69	0	2
200	64	0	73	0	129	0	135	0	0	2	0	2	105	0	122	87	107	0	130	91	109	0	114	106	81	0	87	77	81	2	87	77	0	2
300	69	0	76	0	138	0	146	0	0	2	0	2	110	0	138	93	111	0	135	81	118	0	122	112	89	0	94	86	89	2	94	86	0	2
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
800	91	0	98	0	123	0	129	0	0	2	0	2	116	0	157	78	116	0	153	70	112	0	126	89	85	0	99	73	85	2	99	73	0	2
900	79	0	89	0	102	0	112	0	0	2	0	2	120	0	167	85	121	0	164	81	119	0	145	85	93	0	120	57	93	2	120	57	0	2
1000	100	0	114	0	128	0	138	0	0	2	0	2	124	0	165	87	126	0	167	90	119	0	140	76	92	0	109	65	92	2	109	65	0	2
1100	116	0	120	0	147	0	156	0	0	2	0	2	112	0	153	67	118	0	160	71	119	0	250	90	88	0	125	58	88	2	125	58	0	2
1200	82	0	93	0	105	0	117	0	0	2	0	2	119	0	171	56	120	0	144	73	118	0	160	53	99	0	140	56	99	2	140	56	0	2
1300	49	0	60	0	62	0	69	0	0	2	0	2	111	0	175	35	113	0	165	22	96	0	154	6	82	0	163	0	82	2	163	0	0	2
1400	32	0	45	0	46	0	57	0	0	2	0	2	98	0	178	293	115	0	173	3	121	0	174	43	106	0	173	13	106	2	173	13	0	2
1500	50	0	62	0	68	0	76	0	0	2	0	2	28	0	104	339	26	0	67	353	22	0	48	338	359	0	27	323	359	2	27	323	0	2
1600	107	0	116	0	154	0	157	0	0	2	0	2	29	0	77	2	29	0	93	1	24	0	42	338	2	0	23	344	2	2	23	344	0	2
1700	100	0	108	0	140	0	151	0	0	2	0	2	41	0	80	8	37	0	73	348	33	0	73	359	9	0	34	347	9	2	34	347	0	2
1800	78	0	87	0	120	0	136	0	0	2	0	2	48	0	96	14	48	0	95	17	39	0	65	315	16	0	41	352	16	2	41	352	0	2
1900	65	0	78	0	100	0	126	0	0	2	0	2	56	0	106	27	53	0	105	24	47	0	63	299	25	0	42	8	25	2	42	8	0	2
2000	64	0	73	0	123	0	147	0	0	2	0	2	75	0	103	17	74	0	104	37	64	0	74	48	38	0	49	23	38	2	49	23	0	2
2100	74	0	102	0	159	0	164	0	0	2	0	2	81	0	110	57	82	0	112	61	71	0	86	61	45	0	65	34	45	2	65	34	0	2
2200	86	0	92	0	133	0	139	0	0	2	0	2	88	0	117	59	90	0	130	67	78	0	102	65	52	0	66	36	52	2	66	36	0	2
2300	91	0	96	0	132	0	138	0	0	2	0	2	95	0	117	75	97	0	124	69	89	0	106	76	62	0	74	53	62	2	74	53	0	2
2400	77	0	82	0	131	0	135	0	0	2	0	2	111	0	135	81	112	0	142	84	104	0	117	89	75	0	86	61	75	2	86	61	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 TEM6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	619	0	617	0	687	0	685	0	320	2	320	2	68	0	70	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
200	624	0	621	0	673	0	671	0	320	2	320	2	50	0	52	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
300	619	0	617	0	664	0	662	0	320	2	320	2	45	0	47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	700	0	698	0	694	0	707	0	320	2	320	2	-5	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
900	747	0	745	0	738	0	750	0	320	2	320	2	-7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	102	0
1000	775	0	774	0	766	0	775	0	320	2	320	2	-7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1100	802	0	801	0	793	0	793	0	320	2	320	2	-11	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1200	828	0	824	0	815	0	817	0	320	2	320	2	-11	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1300	851	0	849	0	840	0	837	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1400	871	0	869	0	855	0	849	0	320	2	320	2	-13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1500	833	0	833	0	826	0	822	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1600	790	0	790	0	793	0	788	0	320	2	320	2	5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1700	721	0	721	0	720	0	718	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1800	729	0	727	0	727	0	725	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
1900	734	0	732	0	747	0	739	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2000	736	0	732	0	756	0	750	0	320	2	320	2	20	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2100	748	0	747	0	761	0	756	0	320	2	320	2	13	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2200	747	0	743	0	748	0	745	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2300	747	0	745	0	747	0	743	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	101	0
2400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	66	0	73	0	116	0	121	0	0	2	0	2	103	0	121	78	103	0	127	85	99	0	106	93	72	0	81	64	72	2	81	64	0	2
200	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
300	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
400	36	0	49	0	88	0	97	0	0	2	0	2	127	0	178	82	131	0	168	83	134	0	154	108	106	0	123	83	106	2	123	83	0	2
500	19	0	31	0	39	0	49	0	0	2	0	2	116	0	136	83	118	0	144	89	123	0	143	109	94	0	119	84	94	2	119	84	0	2
600	75	2	16	0	17	0	27	0	0	2	0	2	39	0	103	322	40	3	122	287	320	0	329	313	307	5	315	298	307	2	315	298	0	2
700	25	0	39	0	43	0	58	0	0	2	0	2	77	3	102	43	80	0	111	42	62	0	77	46	36	0	51	19	36	2	51	19	0	2
800	37	0	49	0	65	0	75	0	0	2	0	2	85	0	128	57	87	0	134	54	76	0	111	50	49	0	88	31	49	2	88	31	0	2
900	71	0	81	0	121	0	127	0	0	2	0	2	88	0	113	57	94	0	133	28	81	0	96	61	54	0	72	35	54	2	72	35	0	2
1000	79	0	91	0	129	0	129	0	0	2	0	2	80	0	108	46	81	0	115	45	67	0	89	295	46	0	63	32	46	2	63	32	0	2
1100	79	0	88	0	116	0	121	0	0	2	0	2	92	0	127	61	94	0	128	51	84	0	108	63	57	0	72	35	57	2	72	35	0	2
1200	76	0	89	0	114	0	121	0	0	2	0	2	88	0	129	50	90	0	138	59	83	0	114	63	57	0	95	33	57	2	95	33	0	2
1300	100	0	111	0	148	0	157	0	0	2	0	2	86	0	125	45	86	0	124	16	69	0	94	272	48	0	69	23	48	2	69	23	0	2
1400	88	0	97	0	132	0	141	0	0	2	0	2	93	0	142	60	92	0	141	54	88	0	120	59	61	0	98	32	61	2	98	32	0	2
1500	93	0	102	0	124	0	131	0	0	2	0	2	114	0	176	53	115	0	157	55	106	0	131	60	76	0	98	44	76	2	98	44	0	2
1600	28	0	41	0	61	0	68	0	0	2	0	2	136	0	206	92	135	0	179	83	155	0	227	122	134	0	166	111	134	2	166	111	0	2
1700	47	0	61	0	69	0	81	0	0	2	0	2	287	0	340	221	288	0	342	240	294	0	316	265	280	0	302	235	280	2	302	235	0	2
1800	26	0	36	0	45	0	55	0	0	2	0	2	320	3	45	270	321	0	57	270	312	0	337	292	297	0	321	277	297	2	321	277	0	2
1900	35	0	37	0	60	0	64	0	0	2	0	2	238	0	277	206	236	0	281	203	241	0	256	199	227	0	242	182	227	2	242	182	0	2
2000	93	0	101	0	166	0	173	0	0	2	0	2	15	0	54	329	15	0	62	319	1	0	17	343	341	0	0	323	341	2	0	323	0	2
2100	36	0	74	0	85	0	105	0	0	2	0	2	55	0	94	19	57	0	102	24	50	0	78	313	25	0	50	5	25	2	50	5	0	2
2200	44	0	54	0	78	0	85	0	0	2	0	2	88	0	118	67	91	0	121	63	84	0	93	72	57	0	66	48	57	2	66	48	0	2
2300	24	0	38	0	56	0	64	0	0	2	0	2	74	3	114	41	76	0	114	33	84	0	96	66	57	0	69	39	57	2	69	39	0	2
2400	38	0	46	0	64	0	74	0	0	2	0	2	92	0	176	8	89	0	179	29	85	0	135	38	59	0	107	21	59	2	107	21	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	678	0	676	0	693	0	689	0	320	2	320	2	16	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	104	0
500	669	0	667	0	676	0	675	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	104	0
600	667	0	666	0	678	0	673	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	104	0
700	655	0	653	0	673	0	671	0	320	2	320	2	18	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	104	0
800	664	0	662	0	666	0	660	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	104	0
900	649	0	646	0	648	0	642	0	320	2	320	2	0	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	104	0
1000	635	0	635	0	642	0	637	0	320	2	320	2	7	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	107	0
1100	640	0	639	0	639	0	639	0	320	2	320	2	0	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	106	0
1200	657	0	655	0	651	0	649	0	320	2	320	2	-4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	106	0
1300	673	0	673	0	669	0	666	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	106	0
1400	702	0	702	0	698	0	696	0	320	2	320	2	-5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	108	0
1500	727	0	725	0	721	0	720	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	106	0
1600	684	0	680	0	684	0	669	0	320	2	320	2	-9	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	106	0
1700	657	0	653	0	653	0	649	0	320	2	320	2	-2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	106	0
1800	626	0	624	0	633	0	648	0	320	2	320	2	23	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	107	0
1900	613	0	613	0	612	0	612	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	117	0
2000	622	0	621	0	648	0	628	0	320	2	320	2	27	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	119	0
2100	631	0	630	0	635	0	631	0	320	2	320	2	4	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	119	0
2200	633	0	631	0	633	0	631	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	119	0
2300	621	0	619	0	628	0	626	0	320	2	320	2	9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	608	0	606	0	603	0	599	0	320	2	320	2	-4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	31	0	43	0	50	0	61	0	0	2	0	2	31	0	72	1	30	0	69	337	42	0	74	7	20	0	51	358	20	2	51	358	0	2
200	38	0	46	0	70	0	83	0	0	2	0	2	99	0	130	51	103	0	139	51	76	0	93	62	50	0	64	35	50	2	64	35	0	2
300	35	0	45	0	84	0	91	0	0	2	0	2	94	0	122	67	96	0	144	51	91	0	109	81	65	0	81	55	65	2	81	55	0	2
400	41	0	58	0	79	0	89	0	0	2	0	2	131	0	181	98	133	0	171	105	134	0	155	115	105	0	126	84	105	2	126	84	0	2
500	61	0	69	0	99	0	106	0	0	2	0	2	114	0	136	91	115	0	141	75	111	0	124	103	83	0	93	76	83	2	93	76	0	2
600	51	0	64	0	90	0	99	0	0	2	0	2	123	0	137	104	127	0	150	81	123	0	249	116	92	0	99	87	92	2	99	87	0	2
700	20	0	34	0	39	0	48	0	0	2	0	2	19	3	64	315	19	0	56	304	26	0	71	314	8	0	44	328	8	2	44	328	0	2
800	40	0	57	0	71	0	83	0	0	2	0	2	7	0	88	295	6	0	112	298	15	0	66	336	351	0	33	316	351	2	33	316	0	2
900	36	0	51	0	59	0	72	0	0	2	0	2	15	0	77	289	13	0	100	276	8	0	73	276	351	0	48	293	351	2	48	293	0	2
1000	85	0	101	0	132	0	145	0	0	2	0	2	24	0	106	295	25	0	101	326	12	0	43	333	351	0	14	322	351	2	14	322	0	2
1100	105	0	120	0	151	0	160	0	0	2	0	2	26	0	82	336	26	0	107	317	7	0	31	341	346	0	16	318	346	2	16	318	0	2
1200	89	0	99	0	136	0	147	0	0	2	0	2	22	0	77	320	25	0	89	324	8	0	117	324	347	0	59	298	347	2	59	298	0	2
1300	93	0	105	0	148	0	154	0	0	2	0	2	24	0	105	308	24	0	102	318	356	0	45	306	338	0	16	298	338	2	16	298	0	2
1400	109	0	128	0	161	0	169	0	0	2	0	2	25	0	84	321	29	0	68	330	6	0	39	331	347	0	24	305	347	2	24	305	0	2
1500	142	0	153	0	221	0	233	0	0	2	0	2	21	0	75	337	22	0	75	330	8	0	46	334	347	0	12	316	347	2	12	316	0	2
1600	198	0	208	0	283	0	288	0	0	2	0	2	30	0	79	349	30	0	72	329	10	0	34	339	350	0	14	322	350	2	14	322	0	2
1700	204	0	208	0	289	0	291	0	0	2	0	2	27	0	66	340	27	0	65	350	10	0	43	343	351	0	11	315	351	2	11	315	0	2
1800	180	0	186	0	264	0	267	0	0	2	0	2	29	0	69	334	28	0	63	329	10	0	47	329	351	0	12	319	351	2	12	319	0	2
1900	190	0	194	0	263	0	284	0	0	2	0	2	13	0	319	60	30	0	85	1	345	0	316	19	14	0	39	355	0	2	0	0	0	2
2000	201	0	0	2	286	0	0	2	0	2	0	2	20	0	335	68	0	2	0	0	350	0	325	13	0	2	0	0	0	2	0	0	0	2
2100	184	0	0	2	257	0	0	2	0	2	0	2	29	0	350	73	0	2	0	0	352	0	327	20	0	2	0	0	0	2	0	0	0	2
2200	155	0	0	2	232	0	0	2	0	2	0	2	24	0	348	59	0	2	0	0	358	0	334	19	0	2	0	0	0	2	0	0	0	2
2300	148	0	0	2	196	0	0	2	0	2	0	2	30	0	346	66	0	2	0	0	357	0	334	32	0	2	0	0	0	2	0	0	0	2
2400	142	0	0	2	215	0	0	2	0	2	0	2	39	0	356	69	0	2	0	0	4	0	338	33	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	601	0	599	0	604	0	599	0	320	2	320	2	-4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
200	599	0	597	0	621	0	612	0	320	2	320	2	22	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
300	599	0	597	0	608	0	603	0	320	2	320	2	9	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
400	601	0	599	0	597	0	595	0	320	2	320	2	-2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
500	574	0	572	0	579	0	576	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
600	567	0	565	0	576	0	572	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	574	0	572	0	588	0	581	0	320	2	320	2	9	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	576	0	576	0	572	0	568	0	320	2	320	2	-7	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
900	606	0	606	0	597	0	613	0	320	2	320	2	-13	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1000	576	0	576	0	565	0	572	0	320	2	320	2	-11	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1100	561	0	561	0	549	0	550	0	320	2	320	2	-13	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1200	568	0	568	0	554	0	558	0	320	2	320	2	-13	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1300	565	0	567	0	549	0	541	0	320	2	320	2	-18	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1400	552	0	554	0	547	0	534	0	320	2	320	2	-13	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1500	534	0	534	0	525	0	522	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1600	523	0	525	0	523	0	516	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1700	507	0	507	0	507	0	504	0	320	2	320	2	0	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1800	507	0	507	0	509	0	505	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	521	0	484	0	484	0	484	0	320	2	320	2	-17	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	531	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	524	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	551	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	510	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	517	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	101	0	0	2	178	0	0	2	0	2	0	2	52	0	19	76	0	2	0	0	19	0	358	53	0	2	0	0	0	2	0	0	0	2
200	86	0	0	2	144	0	0	2	0	2	0	2	52	0	12	101	0	2	0	0	17	0	355	44	0	2	0	0	0	2	0	0	0	2
300	63	0	0	2	123	0	0	2	0	2	0	2	56	0	16	100	0	2	0	0	32	0	6	62	0	2	0	0	0	2	0	0	0	2
400	69	0	0	2	132	0	0	2	0	2	0	2	51	0	14	84	0	2	0	0	22	0	359	47	0	2	0	0	0	2	0	0	0	2
500	69	0	0	2	142	0	0	2	0	2	0	2	60	0	19	96	0	2	0	0	24	0	8	55	0	2	0	0	0	2	0	0	0	2
600	65	0	0	2	111	0	0	2	0	2	0	2	59	0	22	93	0	2	0	0	24	0	6	41	0	2	0	0	0	2	0	0	0	2
700	42	0	0	2	103	0	0	2	0	2	0	2	41	0	21	78	0	2	0	0	28	0	5	44	0	2	0	0	0	2	0	0	0	2
800	63	0	0	2	103	0	0	2	0	2	0	2	43	0	6	85	0	2	0	0	20	0	349	56	0	2	0	0	0	2	0	0	0	2
900	80	0	0	2	132	0	0	2	0	2	0	2	35	0	352	77	0	2	0	0	359	0	329	31	0	2	0	0	0	2	0	0	0	2
1000	65	0	0	2	130	0	0	2	0	2	0	2	37	0	338	82	0	2	0	0	356	0	316	29	0	2	0	0	0	2	0	0	0	2
1100	57	0	0	2	92	0	0	2	0	2	0	2	350	0	290	44	0	2	0	0	341	0	298	24	0	2	0	0	0	2	0	0	0	2
1200	78	0	0	2	94	0	0	2	0	2	0	2	338	0	289	30	0	2	0	0	318	0	290	343	0	2	0	0	0	2	0	0	0	2
1300	82	0	0	2	119	0	0	2	0	2	0	2	322	0	286	11	0	2	0	0	319	0	293	337	0	2	0	0	0	2	0	0	0	2
1400	82	0	0	2	126	0	0	2	0	2	0	2	340	0	281	26	0	2	0	0	318	0	302	337	0	2	0	0	0	2	0	0	0	2
1500	98	0	0	2	142	0	0	2	0	2	0	2	337	0	282	32	0	2	0	0	321	0	292	344	0	2	0	0	0	2	0	0	0	2
1600	78	0	0	2	138	0	0	2	0	2	0	2	339	0	263	29	0	2	0	0	322	0	295	355	0	2	0	0	0	2	0	0	0	2
1700	59	0	0	2	98	0	0	2	0	2	0	2	330	0	280	21	0	2	0	0	327	0	285	357	0	2	0	0	0	2	0	0	0	2
1800	57	0	0	2	115	0	0	2	0	2	0	2	349	0	294	37	0	2	0	0	329	0	303	5	0	2	0	0	0	2	0	0	0	2
1900	32	0	0	2	78	0	0	2	0	2	0	2	330	0	287	17	0	2	0	0	325	0	295	359	0	2	0	0	0	2	0	0	0	2
2000	42	0	0	2	46	0	0	2	0	2	0	2	335	0	293	10	0	2	0	0	319	0	283	346	0	2	0	0	0	2	0	0	0	2
2100	28	0	0	2	51	0	0	2	0	2	0	2	310	0	290	330	0	2	0	0	302	0	284	322	0	2	0	0	0	2	0	0	0	2
2200	48	0	0	2	34	0	0	2	0	2	0	2	223	0	209	241	0	2	0	0	244	0	227	257	0	2	0	0	0	2	0	0	0	2
2300	71	0	0	2	65	0	0	2	0	2	0	2	230	0	209	247	0	2	0	0	211	0	205	214	0	2	0	0	0	2	0	0	0	2
2400	53	0	0	2	48	0	0	2	0	2	0	2	224	0	211	241	0	2	0	0	219	0	200	229	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	500	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	507	0	0	2	0	2	0	2	0	2	0	2	11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	503	0	0	2	0	2	0	2	0	2	0	2	20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	510	0	0	2	0	2	0	2	0	2	0	2	15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	480	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	490	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	473	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	463	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	449	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	446	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	418	0	0	2	0	2	0	2	0	2	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	402	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	395	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	337	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	412	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	432	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	446	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	470	0	0	2	0	2	0	2	0	2	0	2	11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	453	0	0	2	0	2	0	2	0	2	0	2	15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	473	0	0	2	0	2	0	2	0	2	0	2	26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	463	0	0	2	0	2	0	2	0	2	0	2	39	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	470	0	0	2	0	2	0	2	0	2	0	2	38	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	480	0	0	2	0	2	0	2	0	2	0	2	64	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	497	0	0	2	0	2	0	2	0	2	0	2	44	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	55	0	0	2	55	0	0	2	0	2	0	2	244	0	223	277	0	2	0	0	235	0	226	241	0	2	0	0	0	2	0	0	0	2
200	40	0	0	2	90	0	0	2	0	2	0	2	220	0	196	246	0	2	0	0	220	0	206	227	0	2	0	0	0	2	0	0	0	2
300	78	0	0	2	76	0	0	2	0	2	0	2	227	0	210	259	0	2	0	0	213	0	205	224	0	2	0	0	0	2	0	0	0	2
400	61	0	0	2	111	0	0	2	0	2	0	2	219	0	194	247	0	2	0	0	223	0	210	236	0	2	0	0	0	2	0	0	0	2
500	90	0	0	2	151	0	0	2	0	2	0	2	229	0	193	256	0	2	0	0	221	0	211	229	0	2	0	0	0	2	0	0	0	2
600	78	0	0	2	151	0	0	2	0	2	0	2	226	0	194	263	0	2	0	0	222	0	210	236	0	2	0	0	0	2	0	0	0	2
700	82	0	0	2	142	0	0	2	0	2	0	2	233	0	212	266	0	2	0	0	228	0	214	241	0	2	0	0	0	2	0	0	0	2
800	103	0	0	2	163	0	0	2	0	2	0	2	233	0	201	269	0	2	0	0	228	0	210	244	0	2	0	0	0	2	0	0	0	2
900	111	0	0	2	151	0	0	2	0	2	0	2	235	0	202	268	0	2	0	0	223	0	206	246	0	2	0	0	0	2	0	0	0	2
1000	117	0	0	2	186	0	0	2	0	2	0	2	240	0	217	268	0	2	0	0	226	0	204	246	0	2	0	0	0	2	0	0	0	2
1100	121	0	0	2	215	0	0	2	0	2	0	2	245	0	211	282	0	2	0	0	230	0	214	253	0	2	0	0	0	2	0	0	0	2
1200	121	0	0	2	203	0	0	2	0	2	0	2	249	0	200	280	0	2	0	0	232	0	212	251	0	2	0	0	0	2	0	0	0	2
1300	121	0	75	0	215	0	108	0	0	2	0	2	240	0	210	277	256	0	305	192	244	0	224	272	249	0	284	216	0	2	0	0	0	2
1400	96	0	100	0	134	0	138	0	0	2	0	2	247	0	301	217	248	0	291	212	228	0	241	216	246	0	260	227	0	2	0	0	0	2
1500	100	0	93	0	140	0	149	0	0	2	0	2	245	0	306	223	245	0	283	215	225	0	243	212	243	0	260	229	0	2	0	0	0	2
1600	81	0	78	0	131	0	124	0	0	2	0	2	246	0	280	202	246	0	304	207	231	0	244	220	249	0	280	224	0	2	0	0	0	2
1700	52	0	56	0	95	0	111	0	0	2	0	2	253	0	289	217	254	0	297	208	240	0	272	190	258	0	294	234	0	2	0	0	0	2
1800	69	0	71	0	112	0	120	0	0	2	0	2	247	0	278	202	246	0	289	207	236	0	243	218	254	0	261	237	0	2	0	0	0	2
1900	58	0	60	0	111	0	109	0	0	2	0	2	240	0	281	200	236	0	282	183	219	0	238	190	236	0	261	205	0	2	0	0	0	2
2000	87	0	83	0	140	0	131	0	0	2	0	2	234	0	258	191	235	0	272	195	211	0	231	184	229	0	264	198	0	2	0	0	0	2
2100	81	0	81	0	153	0	148	0	0	2	0	2	228	0	260	186	228	0	258	193	205	0	236	185	221	0	245	199	0	2	0	0	0	2
2200	120	0	103	0	193	0	180	0	0	2	0	2	232	0	282	198	236	0	297	189	211	0	230	184	228	0	244	210	0	2	0	0	0	2
2300	121	0	115	0	206	0	188	0	0	2	0	2	238	0	273	203	236	0	280	181	216	0	244	194	233	0	252	208	0	2	0	0	0	2
2400	119	0	110	0	197	0	181	0	0	2	0	2	239	0	294	194	240	0	292	206	215	0	239	194	231	0	247	212	0	2	0	0	0	2

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 180A	S	D T 180B	S	D T 3	S	D T 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	480	0	0	2	0	2	0	2	0	2	0	2	79	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2			
200	507	0	0	2	0	2	0	2	0	2	0	2	36	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2			
300	514	0	0	2	0	2	0	2	0	2	0	2	13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2			
400	463	0	0	2	0	2	0	2	0	2	0	2	30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2			
500	459	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2			
600	453	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2			
700	456	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2			
800	480	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2			
900	483	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2			
1000	503	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2			
1100	503	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2			
1200	524	0	629	2	624	2	617	2	320	2	320	2	-20	0	2	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0			
1300	534	0	664	0	651	0	631	0	320	2	320	2	-1	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0			
1400	680	0	676	0	671	0	648	0	320	2	320	2	-13	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0			
1500	696	0	693	0	693	0	675	0	320	2	320	2	-4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0			
1600	714	0	709	0	711	0	700	0	320	2	320	2	-4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0			
1700	720	0	714	0	720	0	714	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	133	0			
1800	709	0	705	0	720	0	712	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0			
1900	709	0	705	0	727	0	721	0	320	2	320	2	20	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0			
2000	693	0	693	0	702	0	700	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0			
2100	696	0	696	0	712	0	711	0	320	2	320	2	18	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0			
2200	703	0	703	0	711	0	709	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0			
2300	685	0	684	0	689	0	687	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0			
2400	673	0	671	0	676	0	675	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0			

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION . TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	109	0	103	0	187	0	148	2	0	2	0	2	237	0	282	189	236	0	286	190	210	0	233	188	227	0	246	192	0	2	0	0	0	2
200	94	0	90	0	169	0	180	2	0	2	0	2	230	0	268	179	231	0	269	153	208	0	225	189	224	0	242	207	0	2	0	0	0	2
300	96	0	89	0	172	0	188	2	0	2	0	2	227	0	268	175	227	0	267	150	207	0	229	187	224	0	240	198	0	2	0	0	0	2
400	98	0	90	0	165	0	181	2	0	2	0	2	231	0	272	188	230	0	277	182	209	0	230	193	225	0	245	200	0	2	0	0	0	2
500	72	0	73	0	138	0	148	2	0	2	0	2	220	0	269	167	222	0	262	178	203	0	219	184	220	0	233	198	0	2	0	0	0	2
600	65	0	70	0	156	0	180	2	0	2	0	2	205	0	246	154	206	0	252	152	199	0	214	189	215	0	227	200	0	2	0	0	0	2
700	46	0	53	0	121	0	188	2	0	2	0	2	196	0	267	120	199	0	261	113	193	0	214	179	208	0	225	196	0	2	0	0	0	2
800	76	0	76	0	132	0	181	2	0	2	0	2	234	0	291	186	234	0	291	186	201	0	239	172	221	0	245	195	0	2	0	0	0	2
900	80	0	80	0	138	2	148	2	0	2	0	2	235	0	290	183	235	0	290	183	201	0	231	171	214	0	248	177	0	2	0	0	0	2
1000	78	0	78	0	156	2	180	2	0	2	0	2	239	0	287	188	239	0	287	188	208	0	246	182	225	0	252	195	0	2	0	0	0	2
1100	80	0	80	0	121	2	188	2	0	2	0	2	241	0	287	197	241	0	287	197	210	0	238	183	225	0	264	188	0	2	0	0	0	2
1200	84	0	84	0	132	2	181	2	0	2	0	2	244	0	292	195	244	0	292	195	221	0	231	209	240	0	248	229	0	2	0	0	0	2
1300	94	0	94	0	128	0	128	0	0	2	0	2	249	0	249	249	249	0	249	249	217	0	231	188	236	0	236	236	0	2	0	0	0	2
1400	86	0	86	0	112	0	112	0	0	2	0	2	259	0	259	257	259	0	259	257	224	0	253	204	243	0	244	237	0	2	0	0	0	2
1500	93	0	93	0	122	0	122	0	0	2	0	2	253	0	253	246	253	0	253	246	226	0	266	200	241	0	243	240	0	2	0	0	0	2
1600	75	0	75	0	112	0	112	0	0	2	0	2	242	0	247	242	242	0	247	242	220	0	253	209	234	0	236	234	0	2	0	0	0	2
1700	76	0	76	0	112	0	112	0	0	2	0	2	239	0	239	231	239	0	239	231	215	0	236	192	232	0	232	232	0	2	0	0	0	2
1800	66	0	66	0	111	0	111	0	0	2	0	2	231	0	231	227	231	0	231	227	211	0	245	189	226	0	226	223	0	2	0	0	0	2
1900	51	0	51	0	107	0	107	0	0	2	0	2	233	0	234	225	233	0	234	225	205	0	222	177	220	0	220	218	0	2	0	0	0	2
2000	36	0	36	0	91	0	91	0	0	2	0	2	194	0	195	186	194	0	195	186	196	0	207	184	201	0	201	199	0	2	0	0	0	2
2100	25	0	25	0	107	0	107	0	0	2	0	2	181	0	181	181	181	0	181	181	190	0	203	180	188	0	189	187	0	2	0	0	0	2
2200	38	0	38	0	137	0	137	0	0	2	0	2	184	0	191	184	184	0	191	184	181	0	190	172	181	0	183	181	0	2	0	0	0	2
2300	59	0	59	0	154	0	154	0	0	2	0	2	196	0	196	196	196	0	196	196	189	0	205	177	184	0	188	184	0	2	0	0	0	2
2400	62	0	62	0	145	0	145	0	0	2	0	2	197	0	200	197	197	0	200	197	194	0	212	176	192	0	195	191	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	660	0	658	0	666	0	666	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
200	649	0	648	0	657	0	655	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
300	631	0	630	0	639	0	637	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
400	631	0	630	0	637	0	635	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
500	606	0	604	0	618	0	617	0	320	2	320	2	14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
600	572	0	570	0	608	0	606	0	320	2	320	2	38	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	567	0	565	0	590	0	592	0	320	2	320	2	25	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	631	0	630	0	631	0	644	0	320	2	320	2	0	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
900	691	0	689	0	685	0	693	0	320	2	320	2	-9	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1000	700	0	696	0	687	0	694	0	320	2	320	2	-13	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	730	0	725	0	714	0	714	0	320	2	320	2	-16	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1200	738	0	732	0	723	0	720	0	320	2	320	2	-14	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1300	747	0	320	2	732	0	714	0	320	2	320	2	-14	0	-4	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1400	765	0	320	2	752	0	732	0	320	2	320	2	-11	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	759	0	320	2	752	0	732	0	320	2	320	2	-5	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1600	772	0	322	2	770	0	761	0	320	2	320	2	0	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1700	779	0	322	2	783	0	777	0	320	2	320	2	7	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1800	770	0	322	2	783	0	779	0	320	2	320	2	16	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	779	0	322	2	793	0	790	0	320	2	320	2	16	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	756	0	322	2	779	0	774	0	320	2	320	2	23	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	727	0	322	2	759	0	736	0	320	2	320	2	34	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2200	693	0	322	2	727	0	723	0	320	2	320	2	36	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2300	689	0	322	2	709	0	705	0	320	2	320	2	20	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2400	680	0	322	2	698	0	694	0	320	2	320	2	20	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	58	0	58	0	137	0	137	0	0	2	0	2	197	0	197	193	197	0	197	193	198	0	215	169	199	0	199	197	0	2	0	0	0	2
200	68	0	68	0	142	0	142	0	0	2	0	2	193	0	194	193	193	0	194	193	192	0	204	179	193	0	194	193	0	2	0	0	0	2
300	48	0	48	0	113	0	113	0	0	2	0	2	197	0	208	197	197	0	208	197	205	0	222	191	202	0	213	202	0	2	0	0	0	2
400	24	0	24	0	98	0	98	0	0	2	0	2	198	0	205	197	198	0	205	197	211	0	222	193	223	0	225	223	0	2	0	0	0	2
500	34	0	34	0	94	0	94	0	0	2	0	2	183	0	186	183	183	0	186	183	197	0	206	189	210	0	211	203	0	2	0	0	0	2
600	20	0	20	0	95	0	95	0	0	2	0	2	171	5	172	153	171	5	172	153	182	0	192	172	184	0	184	180	0	2	0	0	0	2
700	32	0	32	0	98	0	98	0	0	2	0	2	166	0	167	162	166	0	167	162	179	0	185	169	176	0	176	174	0	2	0	0	0	2
800	35	0	35	0	93	0	93	0	0	2	0	2	192	0	193	178	192	0	193	178	174	0	183	157	181	0	181	179	0	2	0	0	0	2
900	28	0	28	0	87	0	87	0	0	2	0	2	151	0	160	149	151	0	160	149	157	0	181	134	162	0	162	159	0	2	0	0	0	2
1000	61	0	61	0	92	0	92	0	0	2	0	2	176	0	177	173	176	0	177	173	163	0	222	113	163	0	170	163	0	2	0	0	0	2
1100	54	0	54	0	72	0	72	0	0	2	0	2	173	0	173	167	173	0	173	167	179	0	220	147	164	0	164	163	0	2	0	0	0	2
1200	66	0	66	0	81	0	81	0	0	2	0	2	196	0	196	195	196	0	196	195	216	0	240	196	182	0	183	182	0	2	0	0	0	2
1300	60	0	60	0	83	0	83	0	0	2	0	2	196	0	199	196	196	0	199	196	227	0	251	197	187	0	189	186	0	2	0	0	0	2
1400	53	0	53	0	71	0	71	0	0	2	0	2	251	0	254	251	251	0	254	251	239	0	256	218	252	0	253	246	0	2	0	0	0	2
1500	52	0	52	0	63	0	63	0	0	2	0	2	277	0	277	273	277	0	277	273	252	0	263	235	270	0	277	269	0	2	0	0	0	2
1600	57	0	57	0	62	0	62	0	0	2	0	2	269	0	276	268	269	0	276	268	255	0	264	250	278	0	279	278	0	2	0	0	0	2
1700	46	0	46	0	63	0	63	0	0	2	0	2	263	0	263	260	263	0	263	260	232	0	262	202	270	0	270	263	0	2	0	0	0	2
1800	45	0	45	0	63	0	63	0	0	2	0	2	242	0	243	242	242	0	243	242	217	0	246	199	247	0	247	247	0	2	0	0	0	2
1900	28	0	28	0	42	0	42	0	0	2	0	2	236	0	238	213	236	0	238	213	205	0	211	196	237	0	238	219	0	2	0	0	0	2
2000	13	0	13	0	55	0	55	0	0	2	0	2	152	5	153	135	152	5	153	135	167	0	172	162	170	0	171	160	0	2	0	0	0	2
2100	28	0	28	0	69	0	69	0	0	2	0	2	68	0	84	67	68	0	84	67	126	0	128	123	103	0	106	103	0	2	0	0	0	2
2200	17	0	17	0	77	0	77	0	0	2	0	2	131	5	132	122	131	5	132	122	139	0	144	135	122	0	125	122	0	2	0	0	0	2
2300	15	0	15	0	88	0	88	0	0	2	0	2	102	5	104	79	102	5	104	79	152	0	163	142	133	0	142	132	0	2	0	0	0	2
2400	30	0	30	0	115	0	115	0	0	2	0	2	177	0	187	176	177	0	187	176	181	0	189	175	171	0	178	170	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	689	0	322	2	694	0	691	0	320	2	320	2	7	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
200	662	0	322	2	680	0	675	0	320	2	320	2	20	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
300	662	0	322	2	671	0	669	0	320	2	320	2	11	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
400	655	0	322	2	658	0	657	0	320	2	320	2	7	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
500	635	0	322	2	648	0	644	0	320	2	320	2	14	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
600	617	0	322	2	653	0	649	0	320	2	320	2	38	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	612	0	322	2	666	0	664	0	320	2	320	2	56	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	615	0	322	2	626	0	622	0	320	2	320	2	13	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
900	635	0	322	2	631	0	630	0	320	2	320	2	-4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1000	725	0	322	2	705	0	723	0	320	2	320	2	-18	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	795	0	322	2	763	0	770	0	320	2	320	2	-32	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1200	784	0	322	2	766	0	765	0	320	2	320	2	-18	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1300	806	0	322	2	783	0	766	0	320	2	320	2	-22	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1400	817	0	322	2	795	0	772	0	320	2	320	2	-22	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	824	0	322	2	747	0	779	0	320	2	320	2	-27	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1600	824	0	322	2	808	0	804	0	320	2	320	2	-13	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1700	855	0	322	2	856	0	855	0	320	2	320	2	4	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1800	853	0	322	2	847	0	846	0	320	2	320	2	-4	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	811	0	322	2	817	0	815	0	320	2	320	2	9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	788	0	322	2	817	0	815	0	320	2	320	2	31	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	740	0	322	2	806	0	802	0	320	2	320	2	38	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2200	739	0	322	2	781	0	777	0	320	2	320	2	43	0	45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2300	712	0	322	2	768	0	765	0	320	2	320	2	58	0	45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2400	707	0	322	2	743	0	739	0	320	2	320	2	38	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	WIND DIR6	S
100	34	0	34	0	128	0	128	0	0	2	0	2	180	0	183	180	180	0	183	180	198	0	213	187	184	0	191	183	0	2	0	2
200	32	0	32	0	136	0	136	0	0	2	0	2	177	0	179	177	177	0	179	177	194	0	204	185	189	0	191	189	0	2	0	2
300	32	0	32	0	129	0	129	0	0	2	0	2	189	0	194	189	189	0	194	189	206	0	226	190	196	0	206	195	0	2	0	2
400	47	0	47	0	136	0	136	0	0	2	0	2	199	0	199	196	199	0	199	196	205	0	220	192	215	0	216	214	0	2	0	2
500	30	0	30	0	115	0	115	0	0	2	0	2	183	0	183	183	183	0	183	183	207	0	221	188	220	0	220	215	0	2	0	2
600	34	0	34	0	132	0	132	0	0	2	0	2	191	0	192	190	191	0	192	190	212	0	222	198	222	0	222	221	0	2	0	2
700	23	0	23	0	104	0	104	0	0	2	0	2	182	0	197	181	182	0	197	181	214	0	232	200	225	0	227	225	0	2	0	2
800	52	0	52	0	101	0	101	0	0	2	0	2	232	0	243	231	232	0	243	231	213	0	226	189	230	0	236	229	0	2	0	2
900	63	0	63	0	110	0	110	0	0	2	0	2	249	0	250	249	249	0	250	249	217	0	231	186	240	0	244	240	0	2	0	2
1000	70	0	70	0	93	0	93	0	0	2	0	2	244	0	251	243	244	0	251	243	213	0	233	193	250	0	250	248	0	2	0	2
1100	67	0	67	0	83	0	83	0	0	2	0	2	258	0	258	256	258	0	258	256	221	0	235	194	250	0	253	250	0	2	0	2
1200	54	0	54	0	73	0	73	0	0	2	0	2	262	0	276	261	262	0	276	261	231	0	244	205	256	0	260	256	0	2	0	2
1300	69	0	69	0	103	0	103	0	0	2	0	2	269	0	269	261	269	0	269	261	248	0	271	221	265	0	269	264	0	2	0	2
1400	52	0	52	0	76	0	76	0	0	2	0	2	300	0	333	298	300	0	333	298	271	0	297	248	299	0	304	299	0	2	0	2
1500	37	0	37	0	54	0	54	0	0	2	0	2	306	0	333	304	306	0	333	304	283	0	303	260	307	0	311	307	0	2	0	2
1600	44	0	44	0	53	0	53	0	0	2	0	2	313	0	355	311	313	0	355	311	291	0	339	251	311	0	337	309	0	2	0	2
1700	28	0	28	0	31	0	31	0	0	2	0	2	0	0	24	358	0	0	24	358	293	0	316	272	346	0	10	344	0	2	0	2
1800	24	0	24	0	29	0	29	0	0	2	0	2	61	0	72	60	61	0	72	60	155	0	257	99	48	3	102	45	0	2	0	2
1900	14	0	14	0	20	0	20	0	0	2	0	2	148	5	150	119	148	5	150	119	127	0	146	107	162	5	164	138	0	2	0	2
2000	10	0	10	0	22	0	22	0	0	2	0	2	87	5	93	86	87	5	93	86	136	0	140	130	126	0	127	117	0	2	0	2
2100	15	0	15	0	78	0	78	0	0	2	0	2	123	5	124	113	123	5	124	113	123	0	128	118	105	0	105	101	0	2	0	2
2200	18	0	18	0	107	0	107	0	0	2	0	2	130	5	141	129	130	5	141	129	134	0	140	131	111	0	118	111	0	2	0	2
2300	14	0	14	0	94	0	94	0	0	2	0	2	162	5	182	160	162	5	182	160	184	0	209	151	126	0	141	125	0	2	0	2
2400	42	0	42	0	121	0	121	0	0	2	0	2	201	0	201	194	201	0	201	194	198	0	212	183	205	0	205	205	0	2	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	687	0	322	2	750	0	747	0	320	2	320	2	65	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
200	675	0	322	2	723	0	720	0	320	2	320	2	50	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
300	687	0	322	2	718	0	716	0	320	2	320	2	32	0	45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
400	700	0	322	2	714	0	712	0	320	2	320	2	16	0	63	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
500	689	0	322	2	705	0	703	0	320	2	320	2	18	0	65	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
600	696	0	322	2	709	0	707	0	320	2	320	2	14	0	70	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	703	0	322	2	707	0	705	0	320	2	320	2	5	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	707	0	322	2	698	0	705	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
900	714	0	322	2	702	0	712	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1000	730	0	322	2	716	0	725	0	320	2	320	2	-13	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	761	0	322	2	747	0	750	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1200	790	0	322	2	774	0	774	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1300	815	0	322	2	795	0	783	0	320	2	320	2	-16	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1400	849	0	322	2	817	0	793	0	320	2	320	2	-32	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	849	0	322	2	826	0	804	0	320	2	320	2	-20	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1600	860	0	322	2	853	0	846	0	320	2	320	2	-4	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1700	873	0	322	2	865	0	860	0	320	2	320	2	-4	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1800	874	0	322	2	880	0	883	0	320	2	320	2	7	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	855	0	322	2	873	0	869	0	320	2	320	2	20	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	810	0	322	2	829	0	828	0	320	2	320	2	22	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	786	0	322	2	811	0	811	0	320	2	320	2	29	0	43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2200	763	0	322	2	810	0	806	0	320	2	320	2	50	0	61	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2300	743	0	322	2	795	0	793	0	320	2	320	2	56	0	59	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2400	750	0	322	2	766	0	763	0	320	2	320	2	16	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	62	0	62	0	146	0	146	0	0	2	0	2	213	0	214	213	213	0	214	213	204	0	220	188	212	0	213	212	0	2	0	0	0	2
200	67	0	67	0	145	0	145	0	0	2	0	2	222	0	222	220	222	0	222	220	204	0	225	180	218	0	218	216	0	2	0	0	0	2
300	68	0	68	0	158	0	158	0	0	2	0	2	230	0	230	229	230	0	230	229	209	0	229	194	223	0	223	223	0	2	0	0	0	2
400	63	0	63	0	155	0	155	0	0	2	0	2	230	0	231	230	230	0	231	230	214	0	228	186	225	0	227	225	0	2	0	0	0	2
500	49	0	49	0	129	0	129	0	0	2	0	2	230	0	235	230	230	0	235	230	213	0	227	196	226	0	227	226	0	2	0	0	0	2
600	41	0	41	0	120	0	120	0	0	2	0	2	237	0	237	231	237	0	237	231	217	0	224	203	232	0	232	230	0	2	0	0	0	2
700	68	2	68	2	158	2	158	2	0	2	0	2	168	0	195	127	168	0	195	127	208	0	231	189	216	0	217	212	0	2	0	0	0	2
800	36	0	36	0	71	0	71	0	0	2	0	2	217	0	225	216	217	0	225	216	207	0	223	189	220	0	220	219	0	2	0	0	0	2
900	49	0	49	0	75	0	75	0	0	2	0	2	243	0	244	243	243	0	244	243	210	0	229	193	236	0	241	236	0	2	0	0	0	2
1000	78	0	78	0	115	0	115	0	0	2	0	2	256	0	258	256	256	0	258	256	228	0	251	196	249	0	251	249	0	2	0	0	0	2
1100	78	0	78	0	98	0	98	0	0	2	0	2	265	0	273	265	265	0	273	265	231	0	259	198	259	0	262	259	0	2	0	0	0	2
1200	66	0	66	0	93	0	93	0	0	2	0	2	272	0	273	269	272	0	273	269	230	0	237	208	257	0	259	257	0	2	0	0	0	2
1300	59	0	59	0	84	0	84	0	0	2	0	2	283	0	284	269	283	0	284	269	244	0	276	219	266	0	266	262	0	2	0	0	0	2
1400	44	0	44	0	77	0	77	0	0	2	0	2	318	0	321	318	318	0	321	318	269	0	304	240	306	0	306	302	0	2	0	0	0	2
1500	52	0	52	0	72	0	72	0	0	2	0	2	321	0	337	320	321	0	337	320	273	0	301	247	301	0	312	300	0	2	0	0	0	2
1600	38	0	38	0	58	0	58	0	0	2	0	2	328	0	332	328	328	0	332	328	261	0	311	216	306	0	308	306	0	2	0	0	0	2
1700	34	0	34	0	43	0	43	0	0	2	0	2	195	0	239	191	195	0	239	191	215	0	265	151	205	0	236	201	0	2	0	0	0	2
1800	25	0	25	0	30	0	30	0	0	2	0	2	259	0	266	258	259	0	266	258	270	0	319	233	267	0	267	263	0	2	0	0	0	2
1900	14	0	14	0	12	0	12	0	0	2	0	2	12	5	22	11	12	5	22	11	118	0	133	96	343	5	7	341	0	2	0	0	0	2
2000	13	0	13	0	32	0	32	0	0	2	0	2	16	5	36	14	16	5	36	14	112	0	117	109	81	0	82	81	0	2	0	0	0	2
2100	14	0	14	0	56	0	56	0	0	2	0	2	94	5	94	94	94	5	94	94	118	0	129	113	100	0	100	100	0	2	0	0	0	2
2200	25	0	25	0	101	0	101	0	0	2	0	2	108	0	109	102	108	0	109	102	122	0	126	120	99	0	103	99	0	2	0	0	0	2
2300	21	0	21	0	116	0	116	0	0	2	0	2	100	0	118	98	100	0	118	98	129	0	132	128	105	0	110	104	0	2	0	0	0	2
2400	15	0	15	0	89	0	89	0	0	2	0	2	145	5	184	142	145	5	184	142	157	0	163	150	124	0	141	123	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	752	0	322	2	761	0	759	0	320	2	320	2	11	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
200	741	0	322	2	750	0	749	0	320	2	320	2	13	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
300	727	0	322	2	736	0	734	0	320	2	320	2	9	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
400	727	0	322	2	741	0	739	0	320	2	320	2	16	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
500	718	0	322	2	730	0	729	0	320	2	320	2	14	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
600	711	0	322	2	725	0	723	0	320	2	320	2	18	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	712	0	322	2	718	0	716	0	320	2	320	2	7	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	732	0	322	2	730	0	743	0	320	2	320	2	2	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
900	761	0	322	2	752	0	765	0	320	2	320	2	-7	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1000	763	0	322	2	750	0	759	0	320	2	320	2	-9	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	772	0	322	2	756	0	761	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1200	792	0	322	2	792	0	792	0	320	2	320	2	0	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1300	844	2	322	2	820	0	808	0	320	2	320	2	-20	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1400	874	0	322	2	849	0	822	0	320	2	320	2	-25	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	874	0	322	2	855	0	835	0	320	2	320	2	-18	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1600	887	0	322	2	882	0	876	0	320	2	320	2	-4	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1700	892	0	322	2	898	0	898	0	320	2	320	2	7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1800	883	0	322	2	883	0	885	0	320	2	320	2	2	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	865	0	322	2	898	0	894	0	320	2	320	2	36	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	799	0	322	2	837	0	838	0	320	2	320	2	38	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	781	0	322	2	822	0	824	0	320	2	320	2	45	0	38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2200	770	0	322	2	826	0	824	0	320	2	320	2	58	0	67	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2300	757	0	322	2	795	0	792	0	320	2	320	2	40	0	74	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2400	729	0	322	2	774	0	770	0	320	2	320	2	45	0	67	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	26	0	26	0	123	0	123	0	0	2	0	2	185	0	186	183	185	0	186	183	173	0	183	160	155	0	156	155	0	2	0	0	0	2
200	21	0	21	0	112	0	112	0	0	2	0	2	187	0	187	185	187	0	187	185	206	0	216	198	201	0	204	187	0	2	0	0	0	2
300	19	0	19	0	115	0	115	0	0	2	0	2	190	5	193	177	190	5	193	177	209	0	219	199	212	0	213	211	0	2	0	0	0	2
400	38	0	38	0	134	0	134	0	0	2	0	2	225	0	226	222	225	0	226	222	215	0	223	201	227	0	228	223	0	2	0	0	0	2
500	48	0	48	0	137	0	137	0	0	2	0	2	228	0	230	228	228	0	230	228	214	0	223	194	232	0	232	231	0	2	0	0	0	2
600	53	0	53	0	145	0	145	0	0	2	0	2	234	0	234	233	234	0	234	233	214	0	224	202	235	0	235	235	0	2	0	0	0	2
700	51	0	51	0	131	0	131	0	0	2	0	2	236	0	245	235	236	0	245	235	218	0	230	206	241	0	241	240	0	2	0	0	0	2
800	52	0	52	0	113	0	113	0	0	2	0	2	250	0	252	244	250	0	252	244	216	0	261	200	245	0	246	242	0	2	0	0	0	2
900	49	0	49	0	89	0	89	0	0	2	0	2	266	0	269	266	266	0	269	266	213	0	222	203	258	0	263	258	0	2	0	0	0	2
1000	50	0	50	0	64	0	64	0	0	2	0	2	263	0	263	263	263	0	263	263	213	0	225	201	265	0	268	265	0	2	0	0	0	2
1100	37	0	37	0	64	0	64	0	0	2	0	2	312	0	313	303	312	0	313	303	230	0	253	210	291	0	295	291	0	2	0	0	0	2
1200	39	0	39	0	57	0	57	0	0	2	0	2	320	0	324	320	320	0	324	320	258	0	281	232	312	0	312	306	0	2	0	0	0	2
1300	40	0	40	0	49	0	49	0	0	2	0	2	1	0	6	1	1	0	6	1	283	0	318	227	328	0	335	328	0	2	0	0	0	2
1400	47	0	47	0	71	0	71	0	0	2	0	2	352	0	353	352	352	0	353	352	275	0	304	234	338	0	339	338	0	2	0	0	0	2
1500	48	0	48	0	63	0	63	0	0	2	0	2	353	0	14	351	353	0	14	351	324	0	167	270	344	0	358	343	0	2	0	0	0	2
1600	43	0	43	0	56	0	56	0	0	2	0	2	354	0	356	354	354	0	356	354	279	0	315	241	338	0	344	337	0	2	0	0	0	2
1700	43	0	43	0	57	0	57	0	0	2	0	2	345	0	347	345	345	0	347	345	294	0	314	269	342	0	343	341	0	2	0	0	0	2
1800	34	0	34	0	53	0	53	0	0	2	0	2	359	0	4	359	359	0	4	359	295	0	307	280	344	0	346	343	0	2	0	0	0	2
1900	22	0	22	0	33	0	33	0	0	2	0	2	32	0	39	31	32	0	39	31	325	0	332	317	14	0	27	13	0	2	0	0	0	2
2000	16	0	16	0	36	0	36	0	0	2	0	2	57	5	59	38	57	5	59	38	324	0	330	318	42	0	45	42	0	2	0	0	0	2
2100	23	0	23	0	50	0	50	0	0	2	0	2	44	0	46	38	44	0	46	38	327	0	338	319	39	0	42	38	0	2	0	0	0	2
2200	21	0	21	0	45	0	45	0	0	2	0	2	170	0	177	169	170	0	177	169	8	0	19	353	94	0	99	71	0	2	0	0	0	2
2300	19	0	19	0	68	0	68	0	0	2	0	2	167	5	181	164	167	5	181	164	26	0	29	21	147	0	155	146	0	2	0	0	0	2
2400	17	0	17	0	78	0	78	0	0	2	0	2	165	5	165	165	165	5	165	165	153	0	167	33	155	0	155	154	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	721	0	322.2		790	0	786	0	320	2	320	2	70	0	58	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
200	747	0	322	2	779	0	777	0	320	2	320	2	32	0	88	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
300	736	0	322	2	750	0	748	0	320	2	320	2	16	0	77	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
400	718	0	322	2	729	0	727	0	320	2	320	2	13	0	34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
500	709	0	322	2	721	0	720	0	320	2	320	2	14	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
600	705	0	322	2	723	0	720	0	320	2	320	2	20	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	716	0	320	2	723	0	721	0	320	2	320	2	11	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	718	0	320	2	711	0	721	0	320	2	320	2	-5	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
900	723	0	320	2	718	0	729	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1000	729	0	320	2	718	0	729	0	320	2	320	2	-11	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	757	0	320	2	738	0	747	0	320	2	320	2	-18	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1200	774	0	320	2	750	0	750	0	320	2	320	2	-23	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1300	847	0	320	2	822	0	808	0	320	2	320	2	-23	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1400	858	0	320	2	837	0	815	0	320	2	320	2	-20	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	889	0	831	0	869	0	851	0	320	2	320	2	-18	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1600	871	0	851	0	867	0	858	0	320	2	320	2	-4	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1700	862	0	840	0	862	0	858	0	320	2	320	2	2	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1800	856	0	842	0	858	0	856	0	320	2	320	2	4	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	844	0	837	0	851	0	851	0	320	2	320	2	7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	749	0	815	0	828	0	826	0	320	2	320	2	32	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	774	0	797	0	824	0	822	0	320	2	320	2	32	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2200	777	0	796	0	806	0	804	0	320	2	320	2	31	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2300	766	0	730	0	810	0	806	0	320	2	320	2	45	0	72	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2400	761	0	711	0	819	0	815	0	320	2	320	2	58	0	104	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0

STATUS CODE(S) DEFINITIONS 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	22	0	22	0	102	0	102	0	0	2	0	2	86	0	87	86	86	0	87	86	171	0	177	169	169	0	170	169	0	2	0	0	0	2
200	11	0	11	0	90	0	90	0	0	2	0	2	101	5	110	100	101	5	110	100	176	0	181	171	185	0	186	180	0	2	0	0	0	2
300	23	0	23	0	87	0	87	0	0	2	0	2	262	0	268	261.	262	0	268	261	229	0	243	220	262	0	262	261	0	2	0	0	0	2
400	16	0	16	0	93	0	93	0	0	2	0	2	263	5	268	193	263	5	268	193	217	0	222	211	257	0	257	252	0	2	0	0	0	2
500	26	0	26	0	112	0	112	0	0	2	0	2	207	0	212	150	207	0	212	150	216	0	223	190	243	0	244	234	0	2	0	0	0	2
600	10	0	10	0	82	0	82	0	0	2	0	2	165	5	166	153	165	5	166	153	222	0	229	217	258	0	258	253	0	2	0	0	0	2
700	17	0	17	0	90	0	90	0	0	2	0	2	179	5	182	152	179	5	182	152	221	0	226	216	250	0	251	250	0	2	0	0	0	2
800	33	0	33	0	71	0	71	0	0	2	0	2	237	0	242	194	237	0	242	194	209	0	215	203	247	0	249	247	0	2	0	0	0	2
900	49	0	49	0	95	0	95	0	0	2	0	2	266	0	270	265	266	0	270	265	212	0	224	194	260	0	263	258	0	2	0	0	0	2
1000	44	0	44	0	79	0	79	0	0	2	0	2	276	0	285	273	276	0	285	273	234	0	262	203	282	0	285	281	0	2	0	0	0	2
1100	43	0	43	0	75	0	75	0	0	2	0	2	303	0	306	303	303	0	306	303	235	0	260	205	301	0	301	298	0	2	0	0	0	2
1200	43	0	43	0	64	0	64	0	0	2	0	2	303	0	306	287	303	0	306	287	251	0	279	217	301	0	302	299	0	2	0	0	0	2
1300	46	0	46	0	57	0	57	0	0	2	0	2	306	0	306	304	306	0	306	304	248	0	277	212	289	0	299	287	0	2	0	0	0	2
1400	49	0	49	0	63	0	63	0	0	2	0	2	6	0	9	5	6	0	9	5	274	0	291	256	338	0	338	337	0	2	0	0	0	2
1500	54	0	54	0	79	0	79	0	0	2	0	2	358	0	0	357	358	0	0	357	275	0	300	246	332	0	332	330	0	2	0	0	0	2
1600	50	0	50	0	76	0	76	0	0	2	0	2	350	0	0	349	350	0	0	349	288	0	329	245	337	0	344	337	0	2	0	0	0	2
1700	42	0	42	0	69	0	69	0	0	2	0	2	354	0	356	354	354	0	356	354	297	0	319	265	352	0	352	350	0	2	0	0	0	2
1800	31	0	31	0	55	0	55	0	0	2	0	2	354	0	354	347	354	0	354	347	298	0	322	255	350	0	352	350	0	2	0	0	0	2
1900	15	0	15	0	37	0	37	0	0	2	0	2	340	5	346	340	340	5	346	340	283	0	286	279	341	0	342	329	0	2	0	0	0	2
2000	8	0	8	0	37	0	37	0	0	2	0	2	287	5	289	268	287	5	289	268	290	0	294	288	350	0	351	343	0	2	0	0	0	2
2100	14	0	14	0	19	0	19	0	0	2	0	2	254	5	255	251	254	5	255	251	248	0	266	233	316	5	330	313	0	2	0	0	0	2
2200	17	0	17	0	29	0	29	0	0	2	0	2	259	5	259	254	259	5	259	254	230	0	241	225	278	0	279	267	0	2	0	0	0	2
2300	35	0	35	0	86	0	86	0	0	2	0	2	251	0	252	250	251	0	252	250	212	0	217	210	252	0	252	247	0	2	0	0	0	2
2400	86	0	0	2	82	0	0	2	0	2	0	2	245	0	196	283	0	2	0	0	226	0	218	230	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	743	0	653	0	817	0	813	0	320	2	320	2	76	0	151	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
200	721	0	646	0	801	0	797	0	320	2	320	2	81	0	153	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
300	682	0	651	0	712	0	711	0	320	2	320	2	31	0	94	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
400	707	0	675	0	738	0	736	0	320	2	320	2	32	0	47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
500	712	0	664	0	738	0	736	0	320	2	320	2	27	0	63	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
600	702	0	619	0	738	0	738	0	320	2	320	2	40	0	104	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	723	0	633	0	741	0	741	0	320	2	320	2	20	0	97	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	738	0	734	0	747	0	763	0	320	2	320	2	11	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
900	738	0	757	0	734	0	747	0	320	2	320	2	-5	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1000	745	0	768	0	738	0	752	0	320	2	320	2	-7	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	772	0	772	0	747	0	754	0	320	2	320	2	-27	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1200	772	0	781	0	756	0	761	0	320	2	320	2	-14	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1300	802	0	786	0	775	0	763	0	320	2	320	2	-25	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1400	846	0	824	0	826	0	802	0	320	2	320	2	-22	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	864	0	833	0	855	0	829	0	320	2	320	2	-13	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1600	860	0	840	0	871	1	847	0	320	2	320	2	0	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1700	871	0	837	0	871	0	862	0	320	2	320	2	2	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1800	860	0	840	0	867	0	864	0	320	2	320	2	9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	829	0	833	0	856	0	855	0	320	2	320	2	27	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	795	0	795	0	824	0	824	0	320	2	320	2	31	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	781	0	766	0	813	0	817	0	320	2	320	2	36	0	54	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
2200	770	0	734	0	817	0	817	0	320	2	320	2	50	0	83	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2300	768	0	738	0	795	0	793	0	320	2	320	2	31	0	70	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2400	765	0	0	2	0	2	0	2	0	2	0	2	22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	82	0	0	2	107	0	0	2	0	2	0	2	247	0	208	273	0	2	0	0	229	0	222	238	0	2	0	0	0	2	0	0	0	2
200	73	0	0	2	111	0	0	2	0	2	0	2	71	0	25	111	0	2	0	0	233	0	224	245	0	2	0	0	0	2	0	0	0	2
300	90	0	0	2	115	0	0	2	0	2	0	2	98	0	57	140	0	2	0	0	55	0	52	85	0	2	0	0	0	2	0	0	0	2
400	123	0	0	2	155	0	0	2	0	2	0	2	102	0	47	133	0	2	0	0	100	0	80	118	0	2	0	0	0	2	0	0	0	2
500	136	0	0	2	167	0	0	2	0	2	0	2	124	0	84	164	0	2	0	0	101	0	82	122	0	2	0	0	0	2	0	0	0	2
600	153	0	0	2	178	0	0	2	0	2	0	2	115	0	77	151	0	2	0	0	119	0	106	133	0	2	0	0	0	2	0	0	0	2
700	173	0	0	2	198	0	0	2	0	2	0	2	131	0	97	166	0	2	0	0	105	0	70	120	0	2	0	0	0	2	0	0	0	2
800	109	0	0	2	221	0	0	2	0	2	0	2	150	0	93	206	0	2	0	0	118	0	107	134	0	2	0	0	0	2	0	0	0	2
900	73	0	0	2	165	0	0	2	0	2	0	2	113	0	64	152	0	2	0	0	138	0	122	151	0	2	0	0	0	2	0	0	0	2
1000	86	0	0	2	101	0	0	2	0	2	0	2	95	0	49	142	0	2	0	0	103	0	79	119	0	2	0	0	0	2	0	0	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1200	100	0	100	0	151	0	151	0	0	2	0	2	79	0	79	78	79	0	79	78	77	0	77	77	77	0	77	77	0	2	0	0	0	2
1300	121	0	121	0	215	0	215	0	0	2	0	2	87	0	88	86	87	0	88	86	81	0	81	80	81	0	81	80	0	2	0	0	0	2
1400	62	0	62	0	99	0	99	0	0	2	0	2	102	0	109	101	102	0	109	101	92	0	100	91	92	0	100	91	0	2	0	0	0	2
1500	79	0	79	0	115	0	115	0	0	2	0	2	95	0	97	83	95	0	97	83	88	0	90	77	88	0	90	77	0	2	0	0	0	2
1600	89	0	89	0	142	0	142	0	0	2	0	2	88	0	89	81	88	0	89	81	80	0	81	75	80	0	81	75	0	2	0	0	0	2
1700	88	0	88	0	142	0	142	0	0	2	0	2	90	0	90	84	90	0	90	84	82	0	82	79	82	0	82	79	0	2	0	0	0	2
1800	71	0	71	0	111	0	111	0	0	2	0	2	78	0	80	78	78	0	80	78	75	0	75	73	75	0	75	73	0	2	0	0	0	2
1900	66	0	66	0	106	0	106	0	0	2	0	2	85	0	86	79	85	0	86	79	80	0	82	70	80	0	82	70	0	2	0	0	0	2
2000	46	0	46	0	81	0	81	0	0	2	0	2	61	0	62	53	61	0	62	53	59	0	59	57	59	0	59	57	0	2	0	0	0	2
2100	36	0	36	0	145	0	145	0	0	2	0	2	18	0	19	18	18	0	19	18	6	0	8	6	6	0	8	6	0	2	0	0	0	2
2200	80	0	80	0	136	0	136	0	0	2	0	2	17	0	17	14	17	0	17	14	5	0	6	3	5	0	6	3	0	2	0	0	0	2
2300	58	0	58	0	133	0	133	0	0	2	0	2	15	0	15	11	15	0	15	11	4	0	6	4	4	0	6	4	0	2	0	0	0	2
2400	43	0	43	0	93	0	93	0	0	2	0	2	6	0	14	5	6	0	14	5	6	0	16	5	6	0	16	5	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	762	0	0	2	0	2	0	2	0	2	0	2	31	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	742	0	0	2	0	2	0	2	0	2	0	2	44	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	711	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	670	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	633	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	599	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	602	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	595	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	643	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	657	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	680	0	0	2	0	2	0	2	0	2	0	2	-31	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	601	0	606	0	594	0	588	0	320	2	320	2	-9	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1300	594	0	588	0	583	0	581	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1400	631	0	613	0	622	0	612	0	320	2	320	2	-9	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	624	0	622	0	612	0	612	0	320	2	320	2	-11	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1600	597	0	599	0	585	0	583	0	320	2	320	2	-13	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1700	597	0	586	0	594	0	594	0	320	2	320	2	-2	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1800	595	0	594	0	588	0	586	0	320	2	320	2	-7	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	612	0	603	0	608	0	610	0	320	2	320	2	-2	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	579	0	597	0	568	0	565	0	320	2	320	2	-9	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	532	0	532	0	527	0	525	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2200	536	0	538	0	532	0	531	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2[illegible]	536	0	534	0	531	0	529	0	320	2	320	2	-4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]34	0
2[illegible]	504	0	518	0	505	0	505	0	320	2	320	2	4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]5	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	30	0	30	0	91	0	91	0	0	2	0	2	34	0	34	34	34	0	34	34	37	0	37	36	37	0	37	36	0	2	0	0	0	2
200	57	0	57	0	115	0	115	0	0	2	0	2	55	0	55	55	55	0	55	55	47	0	51	47	47	0	51	47	0	2	0	0	0	2
300	44	0	44	0	104	0	104	0	0	2	0	2	53	0	64	53	53	0	64	53	51	0	56	51	51	0	56	51	0	2	0	0	0	2
400	49	0	49	0	124	0	124	0	0	2	0	2	51	0	52	50	51	0	52	50	45	0	47	45	45	0	47	45	0	2	0	0	0	2
500	21	0	21	0	100	0	100	0	0	2	0	2	25	0	36	24	25	0	36	24	37	0	38	36	37	0	38	36	0	2	0	0	0	2
600	39	0	39	0	114	0	114	0	0	2	0	2	54	0	54	53	54	0	54	53	45	0	45	44	45	0	45	44	0	2	0	0	0	2
700	44	0	44	0	100	0	100	0	0	2	0	2	51	0	51	50	51	0	51	50	42	0	43	42	42	0	43	42	0	2	0	0	0	2
800	87	0	87	0	127	0	127	0	0	2	0	2	50	0	52	49	50	0	52	49	44	0	45	43	44	0	45	43	0	2	0	0	0	2
900	121	0	121	0	165	0	165	0	0	2	0	2	51	0	59	50	51	0	59	50	45	0	50	45	45	0	50	45	0	2	0	0	0	2
1000	126	0	126	0	166	0	166	0	0	2	0	2	45	0	49	9	45	0	49	9	36	0	39	4	36	0	39	4	0	2	0	0	0	2
1100	74	0	74	0	120	0	120	0	0	2	0	2	359	0	5	358	359	0	5	358	352	0	354	351	352	0	354	351	0	2	0	0	0	2
1200	85	0	85	0	140	0	140	0	0	2	0	2	355	0	6	352	355	0	6	352	342	0	346	341	342	0	346	341	0	2	0	0	0	2
1300	88	0	88	0	142	0	142	0	0	2	0	2	357	0	357	356	357	0	357	356	347	0	347	346	347	0	347	346	0	2	0	0	0	2
1400	108	0	108	0	180	0	180	0	0	2	0	2	0	2	0	0	0	2	0	0	346	0	346	345	346	0	346	345	0	2	0	0	0	2
1500	89	0	89	0	144	0	144	0	0	2	0	2	3	2	4	0	3	2	4	0	349	0	350	349	349	0	350	349	0	2	0	0	0	2
1600	93	0	93	0	156	0	156	0	0	2	0	2	0	2	0	0	0	2	0	0	348	0	351	347	348	0	351	347	0	2	0	0	0	2
1700	96	0	96	0	151	0	151	0	0	2	0	2	0	2	0	0	0	2	0	0	352	0	353	349	352	0	353	349	0	2	0	0	0	2
1800	70	0	70	0	120	0	120	0	0	2	0	2	3	0	3	2	3	0	3	2	355	0	355	353	355	0	355	353	0	2	0	0	0	2
1900	86	0	86	0	142	0	142	0	0	2	0	2	8	0	9	8	8	0	9	8	359	0	3	359	359	0	3	359	0	2	0	0	0	2
2000	67	0	67	0	120	0	120	0	0	2	0	2	10	0	10	8	10	0	10	8	0	0	0	0	0	0	0	0	0	2	0	0	0	2
2100	54	0	54	0	126	0	126	0	0	2	0	2	6	0	11	6	6	0	11	6	358	0	0	357	358	0	0	357	0	2	0	0	0	2
2200	27	0	27	0	69	0	69	0	0	2	0	2	44	0	45	25	44	0	45	25	25	0	25	23	25	0	25	23	0	2	0	0	0	2
2300	12	0	12	0	64	0	64	0	0	2	0	2	20	5	22	354	20	5	22	354	37	0	38	37	37	0	38	37	0	2	0	0	0	2
2400	28	0	28	0	107	0	107	0	0	2	0	2	112	0	119	111	112	0	119	111	80	0	85	79	80	0	85	79	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	471	0	511	0	514	0	513	0	320	2	320	2	23	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
200	496	0	502	0	500	0	496	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
300	480	0	484	0	496	0	484	0	320	2	320	2	9	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
400	464	0	469	0	478	0	477	0	320	2	320	2	16	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
500	448	0	459	0	473	0	471	0	320	2	320	2	25	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
600	464	0	460	0	480	0	480	0	320	2	320	2	18	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
700	493	0	477	0	493	0	493	0	320	2	320	2	0	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
800	563	0	532	0	549	0	568	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
900	604	0	577	0	588	0	603	0	320	2	320	2	-20	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1000	585	0	604	0	570	0	583	0	320	2	320	2	-16	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1100	583	0	603	0	565	0	572	0	320	2	320	2	-20	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1200	577	0	579	0	550	0	554	0	320	2	320	2	-27	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1300	595	0	586	0	574	0	561	0	320	2	320	2	-23	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1400	570	0	579	0	577	0	554	0	320	2	320	2	-20	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1500	586	0	588	0	574	0	563	0	320	2	320	2	-13	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1600	601	0	586	0	586	0	576	0	320	2	320	2	-18	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1700	570	0	577	0	572	0	570	0	320	2	320	2	2	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1800	567	0	579	0	570	0	570	0	320	2	320	2	5	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1900	567	0	570	0	574	0	574	0	320	2	320	2	7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2000	545	0	559	0	545	0	543	0	320	2	320	2	2	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2100	536	0	538	0	538	0	538	0	320	2	320	2	4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2200	530	0	532	0	541	0	541	0	320	2	320	2	25	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2300	514	0	523	0	541	0	540	0	320	2	320	2	29	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2400	514	0	504	0	613	0	619	0	320	2	320	2	101	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	21	0	21	0	113	0	113	0	0	2	0	2	110	0	111	80	110	0	111	80	92	0	126	91	92	0	126	91	0	2	0	0	0	2
200	12	0	12	0	135	0	135	0	0	2	0	2	128	5	131	128	128	5	131	128	98	0	100	98	98	0	100	98	0	2	0	0	0	2
300	16	0	16	0	112	0	112	0	0	2	0	2	102	5	103	86	102	5	103	86	104	0	104	104	104	0	104	104	0	2	0	0	0	2
400	9	0	9	0	60	0	60	0	0	2	0	2	253	5	276	251	253	5	276	251	112	0	120	111	112	0	120	111	0	2	0	0	0	2
500	15	0	15	0	28	0	28	0	0	2	0	2	274	5	276	274	274	5	276	274	131	0	131	130	131	0	131	130	0	2	0	0	0	2
600	7	0	7	0	14	0	14	0	0	2	0	2	275	5	172	283	275	5	172	283	287	5	297	286	287	5	297	286	0	2	0	0	0	2
700	8	0	8	0	8	0	8	0	0	2	0	2	108	5	132	106	108	5	132	106	349	5	351	324	349	5	351	324	0	2	0	0	0	2
800	12	0	12	0	10	0	10	0	0	2	0	2	300	3	144	313	300	3	144	313	17	3	115	7	17	3	115	7	0	2	0	0	0	2
900	29	0	29	0	32	0	32	0	0	2	0	2	323	0	337	319	323	0	337	319	312	0	326	308	312	0	326	308	0	2	0	0	0	2
1000	34	0	34	0	47	0	47	0	0	2	0	2	309	0	311	303	309	0	311	303	292	0	294	292	292	0	294	292	0	2	0	0	0	2
1100	41	0	41	0	57	0	57	0	0	2	0	2	312	0	312	310	312	0	312	310	298	0	299	291	298	0	299	291	0	2	0	0	0	2
1200	53	0	53	0	71	0	71	0	0	2	0	2	292	0	299	291	292	0	299	291	294	0	297	293	294	0	297	293	0	2	0	0	0	2
1300	56	0	56	0	76	0	76	0	0	2	0	2	286	0	286	284	286	0	286	284	297	0	297	296	297	0	297	296	0	2	0	0	0	2
1400	58	0	58	0	88	0	88	0	0	2	0	2	298	0	302	297	298	0	302	297	293	0	296	293	293	0	296	293	0	2	0	0	0	2
1500	49	0	49	0	84	0	84	0	0	2	0	2	290	0	295	290	290	0	295	290	295	0	295	295	295	0	295	295	0	2	0	0	0	2
1600	55	0	55	0	84	0	84	0	0	2	0	2	293	0	293	289	293	0	293	289	292	0	292	292	292	0	292	292	0	2	0	0	0	2
1700	41	0	41	0	60	0	60	0	0	2	0	2	283	0	306	281	283	0	306	281	280	0	292	279	280	0	292	279	0	2	0	0	0	2
1800	40	0	40	0	47	0	47	0	0	2	0	2	274	0	292	272	274	0	292	272	269	0	276	268	269	0	276	268	0	2	0	0	0	2
1900	23	0	23	0	23	0	23	0	0	2	0	2	225	0	226	224	225	0	226	224	219	0	225	219	219	0	225	219	0	2	0	0	0	2
2000	13	0	13	0	25	0	25	0	0	2	0	2	218	5	218	218	218	5	218	218	185	0	185	185	185	0	185	185	0	2	0	0	0	2
2100	18	0	18	0	46	0	46	0	0	2	0	2	244	5	248	218	244	5	248	218	195	0	196	184	195	0	196	184	0	2	0	0	0	2
2200	23	0	23	0	79	0	79	0	0	2	0	2	182	0	183	172	182	0	183	172	180	0	181	180	180	0	181	180	0	2	0	0	0	2
2300	13	0	13	0	95	0	95	0	0	2	0	2	225	5	228	198	225	5	228	198	190	0	193	190	190	0	193	190	0	2	0	0	0	2
2400	25	0	25	0	114	0	114	0	0	2	0	2	227	0	229	212	227	0	229	212	200	0	210	199	200	0	210	199	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	518	0	489	0	606	0	610	0	320	2	320	2	92	0	119	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
200	540	0	478	0	606	0	606	0	320	2	320	2	67	0	122	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
300	543	0	475	0	606	0	608	0	320	2	320	2	67	0	126	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
400	558	0	478	0	595	0	594	0	320	2	320	2	38	0	121	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
500	527	0	475	0	581	0	581	0	320	2	320	2	56	0	88	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
600	514	0	460	0	558	0	568	0	320	2	320	2	45	0	88	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
700	543	0	489	0	576	0	586	0	320	2	320	2	32	0	59	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
800	599	0	570	0	588	0	642	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
900	595	0	601	0	579	0	604	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1000	621	0	612	0	594	0	613	0	320	2	320	2	-25	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1100	637	0	631	0	601	0	612	0	320	2	320	2	-36	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1200	646	0	640	0	606	0	610	0	320	2	320	2	-40	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1300	660	0	655	0	624	0	610	0	320	2	320	2	-34	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1400	666	0	667	0	639	0	617	0	320	2	320	2	-25	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1500	687	0	678	0	662	0	640	0	320	2	320	2	-23	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1600	700	0	680	0	676	0	671	0	320	2	320	2	-22	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1700	685	0	694	0	678	0	676	0	320	2	320	2	-5	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1800	700	0	682	0	700	0	703	0	320	2	320	2	2	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1900	694	0	685	0	703	0	707	0	320	2	320	2	11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2000	657	0	671	0	678	0	678	0	320	2	320	2	23	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2100	639	0	628	0	669	0	669	0	320	2	320	2	31	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2200	633	0	612	0	671	0	669	0	320	2	320	2	38	0	52	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2300	624	0	579	0	676	0	675	0	320	2	320	2	54	0	79	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2400	607	0	583	0	676	0	676	0	320	2	320	2	41	0	81	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	34	0	34	0	125	0	125	0	0	2	0	2	205	0	207	204	205	0	207	204	218	0	220	218	218	0	220	218	0	2	0	0	0	2
200	33	0	33	0	142	0	143	0	0	2	0	2	195	0	204	194	195	0	204	194	219	0	220	219	219	0	220	219	0	2	0	0	0	2
300	56	0	56	0	165	0	165	0	0	2	0	2	228	0	234	228	228	0	234	228	226	0	227	226	226	0	227	226	0	2	0	0	0	2
400	69	0	69	0	173	0	173	0	0	2	0	2	241	0	246	241	241	0	246	241	231	0	233	231	231	0	233	231	0	2	0	0	0	2
500	67	0	67	0	161	0	161	0	0	2	0	2	244	0	244	239	244	0	244	239	238	0	239	238	238	0	239	238	0	2	0	0	0	2
600	66	0	66	0	156	0	156	0	0	2	0	2	239	0	239	237	239	0	239	237	237	0	237	236	237	0	237	236	0	2	0	0	0	2
700	78	0	78	0	168	0	168	0	0	2	0	2	241	0	244	241	241	0	244	241	240	0	241	240	240	0	241	240	0	2	0	0	0	2
800	84	0	84	0	162	0	162	0	0	2	0	2	251	0	252	251	251	0	252	251	246	0	250	246	246	0	250	246	0	2	0	0	0	2
900	84	0	84	0	140	0	140	0	0	2	0	2	261	0	264	261	261	0	264	261	257	0	260	257	257	0	260	257	0	2	0	0	0	2
1000	78	0	78	0	129	0	129	0	0	2	0	2	270	0	271	265	270	0	271	265	267	0	267	267	267	0	267	267	0	2	0	0	0	2
1100	79	0	79	0	127	0	127	0	0	2	0	2	269	0	270	268	269	0	270	268	267	0	267	267	267	0	267	267	0	2	0	0	0	2
1200	78	0	78	0	127	0	127	0	0	2	0	2	270	0	272	267	270	0	272	267	275	0	276	271	275	0	276	271	0	2	0	0	0	2
1300	71	0	71	0	126	0	126	0	0	2	0	2	278	0	278	278	278	0	278	278	281	0	283	281	281	0	283	281	0	2	0	0	0	2
1400	62	0	62	0	119	0	119	0	0	2	0	2	299	0	299	298	299	0	299	298	291	0	292	291	291	0	292	291	0	2	0	0	0	2
1500	53	0	53	0	102	0	102	0	0	2	0	2	292	0	292	290	292	0	292	290	289	0	290	289	289	0	290	289	0	2	0	0	0	2
1600	49	0	49	0	85	0	85	0	0	2	0	2	295	0	297	271	295	0	297	271	286	0	286	283	286	0	286	283	0	2	0	0	0	2
1700	55	0	55	0	78	0	78	0	0	2	0	2	270	0	270	266	270	0	270	266	270	0	270	268	270	0	270	268	0	2	0	0	0	2
1800	54	0	54	0	72	0	72	0	0	2	0	2	269	0	271	269	269	0	271	269	262	0	262	261	262	0	262	261	0	2	0	0	0	2
1900	30	0	30	0	38	0	38	0	0	2	0	2	253	0	269	251	253	0	269	251	264	0	278	263	264	0	278	263	0	2	0	0	0	2
2000	34	0	34	0	87	0	87	0	0	2	0	2	227	0	228	219	227	0	228	219	239	0	239	236	239	0	239	236	0	2	0	0	0	2
2100	22	0	22	0	98	0	98	0	0	2	0	2	233	0	235	226	233	0	235	226	241	0	242	240	241	0	242	240	0	2	0	0	0	2
2200	24	0	24	0	104	0	104	0	0	2	0	2	237	0	238	230	237	0	238	230	243	0	244	243	243	0	244	243	0	2	0	0	0	2
2300	39	0	39	0	137	0	137	0	0	2	0	2	243	0	243	242	243	0	243	242	243	0	245	242	243	0	245	242	0	2	0	0	0	2
2400	46	0	46	0	128	0	128	0	0	2	0	2	242	0	242	241	242	0	242	241	246	0	246	244	246	0	246	244	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	630	0	577	0	658	0	658	0	320	2	320	2	29	0	79	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
200	631	0	576	0	649	0	649	0	320	2	320	2	18	0	67	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
300	621	0	624	0	633	0	631	0	320	2	320	2	14	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
400	599	0	621	0	612	0	612	0	320	2	320	2	14	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
500	585	0	597	0	599	0	597	0	320	2	320	2	16	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
600	588	0	592	0	608	0	606	0	320	2	320	2	20	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
700	599	0	617	0	613	0	613	0	320	2	320	2	14	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
800	619	0	637	0	621	0	633	0	320	2	320	2	4	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
900	635	0	653	0	630	0	644	0	320	2	320	2	-2	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
1000	644	0	664	0	639	0	639	0	320	2	320	2	-13	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	658	0	669	0	646	0	651	0	320	2	320	2	-11	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
1200	680	0	691	0	666	0	667	0	320	2	320	2	-14	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
1300	711	0	738	0	684	0	675	0	320	2	320	2	-25	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
1400	734	0	752	0	720	0	703	0	320	2	320	2	-13	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	765	0	766	0	757	0	741	0	320	2	320	2	-5	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
1600	766	0	788	0	770	0	765	0	320	2	320	2	4	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
1700	792	0	786	0	797	0	795	0	320	2	320	2	7	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	133	0
1800	790	0	793	0	793	0	793	0	320	2	320	2	5	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	784	0	784	0	802	0	806	0	320	2	320	2	20	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	734	0	748	0	759	0	757	0	320	2	320	2	27	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	725	0	718	0	761	0	761	0	320	2	320	2	36	0	34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
2200	721	0	712	0	766	0	765	0	320	2	320	2	43	0	49	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
2300	732	0	716	0	759	0	757	0	320	2	320	2	29	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0
2400	727	0	730	0	748	0	747	0	320	2	320	2	23	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	134	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	53	0	53	0	127	0	127	0	0	2	0	2	244	0	244	242	244	0	244	242	247	0	248	247	247	0	248	247	0	2	0	0	0	2
200	47	0	47	0	137	0	137	0	0	2	0	2	273	0	275	263	273	0	275	263	278	0	281	266	278	0	281	266	0	2	0	0	0	2
300	59	0	59	0	148	0	148	0	0	2	0	2	287	0	287	287	287	0	287	287	287	0	287	286	287	0	287	286	0	2	0	0	0	2
400	43	0	43	0	145	0	145	0	0	2	0	2	273	0	279	272	273	0	279	272	275	0	278	275	275	0	278	275	0	2	0	0	0	2
500	52	0	52	0	141	0	141	0	0	2	0	2	288	0	288	286	288	0	288	286	285	0	285	283	285	0	285	283	0	2	0	0	0	2
600	38	0	38	0	133	0	133	0	0	2	0	2	276	0	280	275	276	0	280	275	283	0	284	283	283	0	286	283	0	2	0	0	0	2
700	41	0	41	0	132	0	132	0	0	2	0	2	300	0	301	294	300	0	301	294	296	0	296	293	296	0	296	293	0	2	0	0	0	2
800	40	0	40	0	96	0	96	0	0	2	0	2	284	0	284	284	284	0	284	284	283	0	283	283	283	0	283	283	0	2	0	0	0	2
700	43	0	43	0	96	0	96	0	0	2	0	2	297	0	299	296	297	0	299	296	293	0	295	292	293	0	295	292	0	2	0	0	0	2
1000	48	0	48	0	75	0	75	0	0	2	0	2	286	0	286	281	286	0	286	281	284	0	284	278	284	0	284	278	0	2	0	0	0	2
1100	43	0	43	0	59	0	59	0	0	2	0	2	303	0	314	302	303	0	314	302	285	0	289	285	285	0	289	285	0	2	0	0	0	2
1200	44	0	44	0	59	0	59	0	0	2	0	2	299	0	304	258	299	0	304	258	284	0	286	267	284	0	286	267	0	2	0	0	0	2
1300	52	0	52	0	74	0	74	0	0	2	0	2	270	0	270	266	270	0	270	266	271	0	275	271	271	0	275	271	0	2	0	0	0	2
1400	57	0	57	0	83	0	83	0	0	2	0	2	264	0	271	263	264	0	271	263	274	0	275	272	274	0	275	272	0	2	0	0	0	2
1500	54	0	54	0	76	0	76	0	0	2	0	2	278	0	305	275	278	0	305	275	283	0	294	282	283	0	294	282	0	2	0	0	0	2
1600	42	0	42	0	58	0	58	0	0	2	0	2	288	0	289	288	288	0	289	288	288	0	289	282	288	0	289	282	0	2	0	0	0	2
1700	50	0	50	0	63	0	63	0	0	2	0	2	270	0	272	252	270	0	272	252	267	0	268	260	267	0	268	260	0	2	0	0	0	2
1800	54	0	54	0	58	0	58	0	0	2	0	2	242	0	243	227	242	0	243	227	239	0	241	239	239	0	241	239	0	2	0	0	0	2
1900	33	0	33	0	46	0	46	0	0	2	0	2	245	0	247	231	245	0	247	231	228	0	229	223	228	0	229	223	0	2	0	0	0	2
2000	29	0	29	0	83	0	83	0	0	2	0	2	228	0	233	228	228	0	233	228	215	0	218	214	215	0	218	214	0	2	0	0	0	2
2100	24	0	24	0	91	0	91	0	0	2	0	2	227	0	229	227	227	0	229	227	221	0	222	219	221	0	222	219	0	2	0	0	0	2
2200	36	0	36	0	108	0	108	0	0	2	0	2	229	0	229	228	229	0	229	228	231	0	232	231	231	0	232	231	0	2	0	0	0	2
2300	33	0	33	0	118	0	118	0	0	2	0	2	235	0	238	234	235	0	238	234	237	0	238	237	237	0	238	237	0	2	0	0	0	2
2400	47	0	47	0	129	0	129	0	0	2	0	2	239	0	244	238	239	0	244	238	253	0	258	252	253	0	258	252	0	2	0	0	0	2

HOUR	AMB TEM1 30 A	S	AMB TEM2 30 B	S	AMB TEM3 130A	S	AMB TEM4 180B	S	AMB TEM5	S	AMB TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	705	0	727	0	725	0	723	0	320	2	320	2	23	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
200	676	0	711	0	689	0	687	0	320	2	320	2	14	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
300	666	0	689	0	684	0	682	0	320	2	320	2	22	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
400	658	0	664	0	673	0	669	0	320	2	320	2	14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
500	695	0	669	0	669	0	667	0	320	2	320	2	16	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
600	653	0	658	0	671	0	669	0	320	2	320	2	18	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	675	0	682	0	684	0	682	0	320	2	320	2	7	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	678	0	682	0	678	0	693	0	320	2	320	2	2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
900	702	0	707	0	689	0	707	0	320	2	320	2	-13	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1000	703	0	725	0	682	0	696	0	320	2	320	2	-20	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	720	0	723	0	698	0	709	0	320	2	320	2	-20	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1200	725	0	738	0	702	0	702	0	320	2	320	2	-25	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1300	761	0	761	0	732	0	721	0	320	2	320	2	-27	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1400	792	0	797	0	779	0	763	0	320	2	320	2	-13	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	844	0	811	0	815	0	797	0	320	2	320	2	-27	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1600	851	0	831	0	838	0	831	0	320	2	320	2	-11	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1700	844	0	835	0	847	0	847	0	320	2	320	2	5	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1800	838	0	833	0	844	0	846	0	320	2	320	2	5	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	820	0	824	0	831	0	829	0	320	2	320	2	9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	790	0	801	0	810	0	810	0	320	2	320	2	22	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	779	0	772	0	802	0	802	0	320	2	320	2	25	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2200	779	0	763	0	801	0	801	0	320	2	320	2	22	0	34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2300	768	0	752	0	799	0	799	0	320	2	320	2	32	0	36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2400	743	0	757	0	779	0	777	0	320	2	320	2	38	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	53	0	53	0	138	0	138	0	0	2	0	2	268	0	273	267	268	0	273	267	273	0	278	272	273	0	278	272	0	2	0	0	0	2
200	43	0	43	0	111	0	111	0	0	2	0	2	256	0	256	251	256	0	256	251	261	0	261	257	261	0	261	257	0	2	0	0	0	2
300	60	0	60	0	142	0	142	0	0	2	0	2	250	0	250	246	250	0	250	246	252	0	253	252	252	0	253	252	0	2	0	0	0	2
400	55	0	55	0	134	0	134	0	0	2	0	2	252	0	256	252	252	0	256	252	256	0	258	256	256	0	258	256	0	2	0	0	0	2
500	70	0	70	0	150	0	150	0	0	2	0	2	265	0	265	265	265	0	265	265	267	0	267	267	267	0	267	267	0	2	0	0	0	2
600	62	0	62	0	154	0	154	0	0	2	0	2	262	0	265	262	262	0	265	262	263	0	267	262	263	0	267	262	0	2	0	0	0	2
700	62	0	62	0	154	0	154	0	0	2	0	2	272	0	273	266	272	0	273	266	275	0	276	271	275	0	276	271	0	2	0	0	0	2
800	63	0	63	0	129	0	129	0	0	2	0	2	270	0	277	269	270	0	277	269	277	0	280	277	277	0	280	277	0	2	0	0	0	2
900	65	0	65	0	119	0	119	0	0	2	0	2	273	0	274	270	273	0	274	270	277	0	278	272	277	0	278	272	0	2	0	0	0	2
1000	74	0	74	0	131	0	131	0	0	2	0	2	274	0	275	273	274	0	275	273	276	0	276	274	276	0	276	274	0	2	0	0	0	2
1100	61	0	61	0	111	0	111	0	0	2	0	2	280	0	283	279	280	0	283	279	279	0	287	277	279	0	287	277	0	2	0	0	0	2
1200	78	0	78	0	107	0	107	0	0	2	0	2	262	0	263	262	262	0	263	262	265	0	266	265	265	0	266	265	0	2	0	0	0	2
1300	67	0	67	0	91	0	91	0	0	2	0	2	262	0	268	261	262	0	268	261	276	0	278	269	276	0	278	269	0	2	0	0	0	2
1400	66	0	66	0	98	0	98	0	0	2	0	2	274	0	278	272	274	0	278	272	283	0	17	279	283	0	17	279	0	2	0	0	0	2
1500	52	0	52	0	82	0	82	0	0	2	0	2	289	0	309	286	289	0	309	286	291	0	296	289	291	0	296	289	0	2	0	0	0	2
1600	44	0	44	0	69	0	69	0	0	2	0	2	301	0	303	285	301	0	303	285	289	0	289	287	289	0	289	287	0	2	0	0	0	2
1700	40	0	40	0	55	0	55	0	0	2	0	2	293	0	293	293	293	0	293	293	282	0	283	277	282	0	283	277	0	2	0	0	0	2
1800	30	0	30	0	34	0	34	0	0	2	0	2	275	0	276	269	275	0	276	269	274	0	276	265	274	0	276	265	0	2	0	0	0	2
1900	13	0	13	0	10	0	10	0	0	2	0	2	352	5	2	350	352	5	2	350	346	5	15	342	346	5	15	342	0	2	0	0	0	2
2000	10	0	10	0	18	0	18	0	0	2	0	2	213	5	230	211	213	5	230	211	191	5	192	184	191	5	192	184	0	2	0	0	0	2
2100	19	0	19	0	50	0	50	0	0	2	0	2	227	5	230	216	227	5	230	216	203	0	205	196	203	0	205	196	0	2	0	0	0	2
2200	12	0	12	0	44	0	44	0	0	2	0	2	194	5	194	193	194	5	194	193	180	0	184	180	180	0	184	180	0	2	0	0	0	2
2300	14	0	14	0	58	0	58	0	0	2	0	2	181	5	181	178	181	5	181	178	197	0	197	194	197	0	197	194	0	2	0	0	0	2
2400	10	0	10	0	68	0	68	0	0	2	0	2	157	5	157	154	157	5	157	154	199	0	199	196	199	0	199	196	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	721	0	739	0	738	0	734	0	320	2	320	2	16	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
200	700	0	712	0	705	0	703	0	320	2	320	2	5	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
300	678	0	687	0	700	0	698	0	320	2	320	2	23	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
400	685	0	687	0	700	0	698	0	320	2	320	2	14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
500	669	0	703	0	687	0	685	0	320	2	320	2	20	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
600	660	0	684	0	678	0	676	0	320	2	320	2	20	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	662	0	689	0	669	0	673	0	320	2	320	2	-7	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	678	0	694	0	675	0	693	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
900	691	0	705	0	678	0	694	0	320	2	320	2	-13	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1000	711	0	721	0	700	0	711	0	320	2	320	2	-14	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	721	0	738	0	707	0	714	0	320	2	320	2	-14	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1200	748	0	743	0	720	0	723	0	320	2	320	2	-27	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1300	777	0	779	0	756	0	743	0	320	2	320	2	-23	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1400	813	0	810	0	797	0	783	0	320	2	320	2	-16	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	860	0	838	0	835	0	815	0	320	2	320	2	-25	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1600	871	0	851	0	862	0	855	0	320	2	320	2	-7	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1700	876	0	855	0	878	0	878	0	320	2	320	2	4	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1800	873	0	855	0	892	0	900	0	320	2	320	2	22	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	858	0	844	0	883	0	891	0	320	2	320	2	25	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	813	0	815	0	835	0	835	0	320	2	320	2	22	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	799	0	772	0	822	0	820	0	320	2	320	2	25	0	47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2200	801	0	727	0	822	0	820	0	320	2	320	2	23	0	92	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2300	792	0	707	0	822	0	820	0	320	2	320	2	32	0	108	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2400	777	0	675	0	819	0	819	0	320	2	320	2	43	0	135	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	28	0	28	0	76	0	76	0	0	2	0	2	204	0	206	191	204	0	206	191	220	0	230	219	220	0	230	219	0	2	0	0	0	2
200	39	0	39	0	126	0	126	0	0	2	0	2	65	0	65	62	65	0	65	62	71	0	79	70	71	0	79	70	0	2	0	0	0	2
300	40	0	40	0	118	0	118	0	0	2	0	2	91	0	91	91	91	0	91	91	99	0	104	99	99	0	104	99	0	2	0	0	0	2
400	27	0	27	0	80	0	80	0	0	2	0	2	104	0	107	91	104	0	107	91	117	0	118	111	117	0	118	111	0	2	0	0	0	2
500	29	0	29	0	106	0	106	0	0	2	0	2	107	0	114	105	107	0	114	105	115	0	118	114	115	0	113	114	0	2	0	0	0	2
600	36	0	36	0	106	0	106	0	0	2	0	2	114	0	117	114	114	0	117	114	118	0	118	117	118	0	113	117	0	2	0	0	0	2
700	49	0	49	0	101	0	101	0	0	2	0	2	129	0	130	126	129	0	130	126	127	0	128	125	127	0	128	125	0	2	0	0	0	2
800	50	0	50	0	94	0	94	0	0	2	0	2	135	0	136	134	135	0	136	134	130	0	132	129	130	0	132	129	0	2	0	0	0	2
900	42	0	42	0	74	0	74	0	0	2	0	2	146	0	149	132	146	0	149	132	141	0	143	128	141	0	143	128	0	2	0	0	0	2
1000	29	0	29	0	40	0	40	0	0	2	0	2	146	0	169	141	146	0	169	141	130	0	135	129	130	0	135	129	0	2	0	0	0	2
1100	28	0	28	0	30	0	30	0	0	2	0	2	302	0	333	295	302	0	333	295	307	0	330	303	307	0	330	303	0	2	0	0	0	2
1200	58	0	58	0	87	0	87	0	0	2	0	2	345	0	346	340	345	0	346	340	342	0	342	341	342	0	342	341	0	2	0	0	0	2
1300	83	0	83	0	108	0	108	0	0	2	0	2	54	0	54	51	54	0	54	51	42	0	42	41	42	0	42	41	0	2	0	0	0	2
1400	126	0	126	0	167	0	167	0	0	2	0	2	57	0	58	50	57	0	58	50	52	0	53	45	52	0	53	45	0	2	0	0	0	2
1500	116	0	116	0	157	0	157	0	0	2	0	2	47	0	49	47	47	0	49	47	40	0	42	40	40	0	42	40	0	2	0	0	0	2
1600	151	0	151	0	215	0	215	0	0	2	0	2	46	0	49	46	46	0	49	46	40	0	42	40	40	0	42	40	0	2	0	0	0	2
1700	177	0	177	0	258	0	258	0	0	2	0	2	57	0	58	55	57	0	58	55	50	0	51	48	50	0	51	48	0	2	0	0	0	2
1800	175	0	175	0	268	0	268	0	0	2	0	2	66	0	67	65	66	0	67	65	58	0	58	57	58	0	58	57	0	2	0	0	0	2
1900	143	0	143	0	216	0	216	0	0	2	0	2	59	0	61	59	59	0	61	59	51	0	55	51	51	0	55	51	0	2	0	0	0	2
2000	142	0	142	0	205	0	205	0	0	2	0	2	47	0	50	47	47	0	50	47	41	0	45	40	41	0	45	40	0	2	0	0	0	2
2100	142	0	142	0	212	0	212	0	0	2	0	2	52	0	59	51	52	0	59	51	46	0	52	45	46	0	52	45	0	2	0	0	0	2
2200	135	0	135	0	200	0	200	0	0	2	0	2	56	0	58	56	56	0	58	56	51	0	51	51	51	0	51	51	0	2	0	0	0	2
2300	115	0	115	0	172	0	172	0	0	2	0	2	60	0	60	55	60	0	60	55	51	0	52	45	51	0	52	45	0	2	0	0	0	2
2400	117	0	117	0	181	0	181	0	0	2	0	2	55	0	59	54	55	0	59	54	47	0	52	47	47	0	52	47	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	784	0	693	0	811	0	813	0	320	2	320	2	29	0	122	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
200	684	0	660	0	711	0	709	0	320	2	320	2	29	0	85	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
300	642	0	644	0	667	0	666	0	320	2	320	2	25	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
400	630	0	619	0	648	0	646	0	320	2	320	2	18	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
500	622	0	606	0	633	0	631	0	320	2	320	2	13	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
600	624	0	601	0	626	0	624	0	320	2	320	2	4	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	655	0	639	0	649	0	653	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	696	0	675	0	680	0	696	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
900	754	0	720	0	730	0	754	0	320	2	320	2	-22	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1000	795	0	756	0	772	0	797	0	320	2	320	2	-23	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	752	0	765	0	739	0	745	0	320	2	320	2	-11	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1200	799	0	754	0	768	0	774	0	320	2	320	2	-31	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1300	819	0	804	0	784	0	783	0	320	2	320	2	-34	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1400	813	0	783	0	781	0	777	0	320	2	320	2	-31	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1500	784	0	774	0	765	0	765	0	320	2	320	2	-20	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1600	736	0	745	0	720	0	718	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1700	705	0	711	0	694	0	693	0	320	2	320	2	-9	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1800	676	0	687	0	669	0	669	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	642	0	653	0	631	0	630	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	606	0	617	0	597	0	594	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	536	0	543	0	527	0	525	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2200	531	0	531	0	522	0	520	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
23[illegible]	527	0	529	0	518	0	514	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2[illegible]	496	0	509	0	493	0	491	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	95	0	95	0	158	0	158	0	0	2	0	2	53	0	56	53	53	0	56	53	48	0	50	48	48	0	50	48	0	2	0	0	0	2
200	76	0	76	0	132	0	132	0	0	2	0	2	49	0	49	47	49	0	49	47	43	0	43	42	43	0	43	42	0	2	0	0	0	2
300	55	0	55	0	113	0	113	0	0	2	0	2	51	0	52	46	51	0	52	46	43	0	43	38	43	0	43	38	0	2	0	0	0	2
400	53	0	53	0	119	0	119	0	0	2	0	2	46	0	46	41	46	0	46	41	37	0	37	36	37	0	37	36	0	2	0	0	0	2
500	47	0	47	0	115	0	115	0	0	2	0	2	32	0	32	31	32	0	32	31	28	0	28	27	28	0	28	27	0	2	0	0	0	2
600	56	0	56	0	120	0	120	0	0	2	0	2	36	0	42	35	36	0	42	35	29	0	33	29	29	0	33	29	0	2	0	0	0	2
700	98	0	98	0	151	0	151	0	0	2	0	2	56	0	61	56	56	0	61	56	47	0	51	46	47	0	51	46	0	2	0	0	0	2
800	110	0	110	0	159	0	159	0	0	2	0	2	64	0	64	62	64	0	64	62	57	0	58	56	57	0	58	56	0	2	0	0	0	2
900	113	0	113	0	156	0	156	0	0	2	0	2	61	0	62	60	61	0	62	60	56	0	56	55	56	0	56	55	0	2	0	0	0	2
1000	108	0	108	0	147	0	147	0	0	2	0	2	49	0	53	48	49	0	53	48	41	0	46	40	41	0	46	40	0	2	0	0	0	2
1100	98	2	98	2	151	2	151	2	0	2	0	2	56	2	61	56	56	2	61	56	47	2	51	46	47	2	51	46	0	2	0	0	0	2
1200	89	0	89	0	159	0	159	0	0	2	0	2	357	0	1	356	357	0	1	356	346	0	346	344	346	0	346	344	0	2	0	0	0	2
1300	127	0	127	0	195	0	195	0	0	2	0	2	3	0	7	2	3	0	7	2	346	0	346	344	346	0	346	344	0	2	0	0	0	2
1400	97	0	97	0	166	0	166	0	0	2	0	2	359	0	0	352	359	0	0	352	334	0	334	333	334	0	334	333	0	2	0	0	0	2
1500	119	0	119	0	213	0	213	0	0	2	0	2	0	0	0	357	0	0	0	357	340	0	342	340	340	0	342	340	0	2	0	0	0	2
1600	89	2	89	2	159	2	159	2	0	2	0	2	357	2	1	356	357	2	1	356	346	2	346	344	346	2	346	344	0	2	0	0	0	2
1700	110	0	110	0	188	0	188	0	0	2	0	2	1	0	1	0	1	0	1	0	347	0	347	346	347	0	347	346	0	2	0	0	0	2
1800	99	0	99	0	160	0	160	0	0	2	0	2	1	0	1	1	1	0	1	1	346	0	346	346	346	0	346	346	0	2	0	0	0	2
1900	92	0	92	0	146	0	146	0	0	2	0	2	9	0	9	7	9	0	9	7	352	0	356	352	352	0	356	352	0	2	0	0	0	2
2000	100	0	100	0	175	0	175	0	0	2	0	2	11	0	11	11	11	0	11	11	0	0	0	0	0	0	0	0	0	2	0	0	0	2
2100	63	0	63	0	137	0	137	0	0	2	0	2	7	0	12	6	7	0	12	6	1	0	3	1	1	0	3	1	0	2	0	0	0	2
2200	50	0	50	0	114	0	114	0	0	2	0	2	10	0	10	8	10	0	10	8	8	0	8	7	8	0	8	7	0	2	0	0	0	2
2300	72	0	72	0	139	0	139	0	0	2	0	2	22	0	22	22	22	0	22	22	13	0	16	12	13	0	16	12	0	2	0	0	0	2
2400	47	0	47	0	104	0	104	0	0	2	0	2	25	0	30	24	25	0	30	24	20	0	22	20	20	0	22	20	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	DT 1 180A	S	DT 2 180B	S	DT 3	S	DT 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	471	0	484	0	471	0	469	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
200	446	0	460	0	451	0	450	0	320	2	320	2	5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
300	430	0	448	0	442	0	441	0	320	2	320	2	14	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
400	433	0	442	0	457	0	457	0	320	2	320	2	23	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
500	442	0	450	0	455	0	457	0	320	2	320	2	13	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
600	459	0	457	0	466	0	466	0	320	2	320	2	7	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
700	489	0	473	0	484	0	491	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
800	525	0	507	0	511	0	531	0	320	2	320	2	-13	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
900	567	0	547	0	547	0	570	0	320	2	320	2	-20	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1000	601	0	570	0	572	0	590	0	320	2	320	2	-27	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1100	565	0	570	2	541	0	550	0	320	2	320	2	-22	0	121	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1200	572	0	567	0	543	0	549	0	320	2	320	2	-27	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1300	586	0	556	0	549	0	540	0	320	2	320	2	-38	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1400	558	0	563	0	532	0	527	0	320	2	320	2	-23	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1500	576	0	549	0	549	0	538	0	320	2	320	2	-27	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1600	558	0	550	2	545	0	540	0	320	2	320	2	-11	0	52	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1700	554	0	558	0	552	0	547	0	320	2	320	2	2	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1800	558	0	552	0	559	0	559	0	320	2	320	2	2	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1900	552	0	554	0	559	0	559	0	320	2	320	2	7	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2000	538	0	545	0	538	0	536	0	320	2	320	2	0	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2100	527	0	532	0	527	0	525	0	320	2	320	2	0	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2200	525	0	532	0	525	0	525	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2300	531	0	536	0	531	0	532	0	320	2	320	2	2	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2400	522	0	529	0	529	0	529	0	320	2	320	2	9	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	32	0	32	0	95	0	95	0	0	2	0	2	22	0	38	20	22	0	38	20	27	0	35	26	27	0	35	26	0	2	0	0	0	2
200	45	0	45	0	118	0	118	0	0	2	0	2	20	0	20	17	20	0	20	17	21	0	22	17	21	0	22	17	0	2	0	0	0	2
300	42	0	42	0	109	0	109	0	0	2	0	2	28	0	52	26	28	0	52	26	23	0	35	22	23	0	35	22	0	2	0	0	0	2
400	22	0	22	0	88	0	88	0	0	2	0	2	29	0	31	18	29	0	31	18	34	0	35	29	34	0	35	29	0	2	0	0	0	2
500	34	0	34	0	111	0	111	0	0	2	0	2	35	0	38	34	35	0	38	34	24	0	24	24	24	0	24	24	0	2	0	0	0	2
600	37	0	37	0	114	0	114	0	0	2	0	2	59	0	67	57	59	0	67	57	42	0	49	40	42	0	49	40	0	2	0	0	0	2
700	27	0	27	0	86	0	86	0	0	2	0	2	61	0	76	57	61	0	76	57	52	0	61	50	52	0	61	50	0	2	0	0	0	2
800	20	0	20	0	18	0	18	0	0	2	0	2	61	5	66	36	61	5	66	36	22	5	28	357	22	5	28	357	0	2	0	0	0	2
900	30	2	30	2	95	2	95	2	0	2	0	2	17	2	34	13	17	2	34	13	22	2	24	21	22	2	24	21	0	2	0	0	0	2
1000	29	2	29	2	114	2	114	2	0	2	0	2	51	2	57	50	51	2	57	50	34	2	40	33	34	2	40	33	0	2	0	0	0	2
1100	17	2	17	2	94	2	94	2	0	2	0	2	60	2	61	57	60	2	61	57	56	2	57	50	56	2	57	50	0	2	0	0	0	2
1200	20	2	20	2	18	2	18	2	0	2	0	2	61	2	66	36	61	2	66	36	22	2	28	357	22	2	28	357	0	2	0	0	0	2
1300	30	2	30	2	95	2	95	2	0	2	0	2	17	2	34	13	17	2	34	13	22	2	24	21	22	2	24	21	0	2	0	0	0	2
1400	71	0	71	0	118	0	118	0	0	2	0	2	340	0	341	339	340	0	341	339	329	0	331	328	329	0	331	328	0	2	0	0	0	2
1500	60	0	60	0	93	0	93	0	0	2	0	2	350	0	351	341	350	0	351	341	334	0	335	330	334	0	335	330	0	2	0	0	0	2
1600	64	0	64	0	107	0	107	0	0	2	0	2	345	0	0	343	345	0	0	343	333	0	338	332	333	0	338	332	0	2	0	0	0	2
1700	53	0	53	0	88	0	88	0	0	2	0	2	343	0	353	340	343	0	353	340	331	0	336	328	331	0	336	328	0	2	0	0	0	2
1800	37	0	37	0	65	0	65	0	0	2	0	2	328	0	357	325	328	0	357	325	329	0	330	324	329	0	330	324	0	2	0	0	0	2
1900	26	0	26	0	48	0	48	0	0	2	0	2	306	0	308	306	306	0	308	306	304	0	304	302	304	0	304	302	0	2	0	0	0	2
2000	25	0	25	0	38	0	38	0	0	2	0	2	273	0	284	272	273	0	284	272	278	0	278	274	278	0	278	274	0	2	0	0	0	2
2100	13	0	13	0	39	0	39	0	0	2	0	2	256	5	262	197	256	5	262	197	303	0	307	302	303	0	307	302	0	2	0	0	0	2
2200	18	0	18	0	36	0	36	0	0	2	0	2	234	5	235	225	234	5	235	225	258	0	261	243	258	0	261	243	0	2	0	0	0	2
2300	21	0	21	0	34	0	34	0	0	2	0	2	267	0	273	266	267	0	273	266	237	0	256	234	237	0	256	234	0	2	0	0	0	2
2400	13	0	13	0	55	0	55	0	0	2	0	2	176	5	189	175	176	5	189	175	246	0	249	246	246	0	249	246	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	486	0	504	0	518	0	516	0	320	2	320	2	32	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
200	491	0	498	0	498	0	500	0	320	2	320	2	9	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
300	466	0	491	0	491	0	489	0	320	2	320	2	27	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
400	450	0	469	0	480	0	480	0	320	2	320	2	29	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
500	448	0	460	0	480	0	480	0	320	2	320	2	34	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
600	453	0	450	0	486	0	486	0	320	2	320	2	32	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
700	505	0	471	0	507	0	520	0	320	2	320	2	4	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
800	567	0	529	0	561	0	621	0	320	2	320	2	-5	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
900	565	0	315	2	550	0	572	0	320	2	320	2	-14	0	187	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1000	567	0	315	2	543	0	559	0	320	2	320	2	-25	0	187	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1100	565	0	315	2	549	0	559	0	320	2	320	2	-14	0	187	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1200	572	0	315	2	541	0	547	0	320	2	320	2	-31	0	187	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1300	579	0	563	2	545	0	531	0	320	2	320	2	-36	0	167	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1400	588	0	565	0	559	0	536	0	320	2	320	2	-31	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1500	586	0	567	0	561	0	538	0	320	2	320	2	-27	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1600	583	0	572	0	570	0	561	0	320	2	320	2	-14	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1700	581	0	576	0	576	0	572	0	320	2	320	2	-5	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1800	577	0	586	0	581	0	581	0	320	2	320	2	4	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1900	565	0	570	0	579	0	581	0	320	2	320	2	14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2000	538	0	550	0	570	0	568	0	320	2	320	2	32	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2100	514	0	516	0	554	0	558	0	320	2	320	2	41	0	36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2200	511	0	491	0	552	0	556	0	320	2	320	2	41	0	59	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
2300	520	0	478	0	556	0	556	0	320	2	320	2	36	0	88	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0
2400	529	0	480	0	577	0	581	0	320	2	320	2	50	0	83	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	[illegible]	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	17	0	17	0	60	0	60	0	0	2	0	2	177	5	180	177	177	5	180	177	243	0	244	236	243	0	244	236	0	2	0	0	0	2
200	25	0	25	0	87	0	87	0	0	2	0	2	195	0	202	194	195	0	202	194	228	0	230	228	228	0	230	228	0	2	0	0	0	2
300	33	0	33	0	105	0	105	0	0	2	0	2	192	0	201	191	192	0	201	191	223	0	227	223	223	0	227	223	0	2	0	0	0	2
400	24	0	24	0	114	0	114	0	0	2	0	2	172	0	173	164	172	0	173	164	233	0	236	233	233	0	236	233	0	2	0	0	0	2
500	24	0	24	0	104	0	104	0	0	2	0	2	177	0	178	177	177	0	178	177	234	0	234	233	234	0	234	233	0	2	0	0	0	2
600	29	0	29	0	110	0	110	0	0	2	0	2	184	0	193	183	184	0	193	183	234	0	235	234	234	0	235	234	0	2	0	0	0	2
700	24	0	24	0	105	0	105	0	0	2	0	2	198	0	218	196	198	0	218	196	239	0	242	239	239	0	242	239	0	2	0	0	0	2
800	45	0	45	0	79	0	79	0	0	2	0	2	242	0	247	242	242	0	247	242	238	0	238	237	238	0	238	237	0	2	0	0	0	2
900	60	0	60	0	89	0	89	0	0	2	0	2	250	0	258	249	250	0	258	249	242	0	242	240	242	0	242	240	0	2	0	0	0	2
1000	65	0	65	0	94	0	94	0	0	2	0	2	246	0	254	244	246	0	254	244	239	0	239	238	239	0	239	238	0	2	0	0	0	2
1100	84	0	84	0	130	0	130	0	0	2	0	2	245	0	245	243	245	0	245	243	242	0	243	238	242	0	243	238	0	2	0	0	0	2
1200	78	0	78	0	120	0	120	0	0	2	0	2	255	0	256	248	255	0	256	248	249	0	250	246	249	0	250	246	0	2	0	0	0	2
1300	81	0	81	0	118	0	118	0	0	2	0	2	260	0	261	256	260	0	261	256	256	0	256	254	256	0	256	254	0	2	0	0	0	2
1400	73	0	73	0	100	0	100	0	0	2	0	2	265	0	271	264	265	0	271	264	263	0	263	262	263	0	263	262	0	2	0	0	0	2
1500	46	0	46	0	73	0	73	0	0	2	0	2	300	0	308	298	300	0	308	298	288	0	290	283	288	0	290	283	0	2	0	0	0	2
1600	62	0	62	0	81	0	81	0	0	2	0	2	263	0	267	262	263	0	267	262	264	0	264	262	264	0	264	262	0	2	0	0	0	2
1700	66	0	66	0	87	0	87	0	0	2	0	2	245	0	247	244	245	0	247	244	244	0	249	243	244	0	249	243	0	2	0	0	0	2
1800	49	0	49	0	77	0	77	0	0	2	0	2	251	0	256	251	251	0	256	251	252	0	252	251	252	0	252	251	0	2	0	0	0	2
1900	40	0	40	0	57	0	57	0	0	2	0	2	236	0	237	226	236	0	237	226	241	0	242	237	241	0	242	237	0	2	0	0	0	2
2000	13	0	13	0	46	0	46	0	0	2	0	2	186	5	188	179	186	5	188	179	203	0	204	195	203	0	204	195	0	2	0	0	0	2
2100	20	0	20	0	73	0	73	0	0	2	0	2	180	5	189	178	180	5	189	178	186	0	190	185	186	0	190	185	0	2	0	0	0	2
2200	30	0	30	0	105	0	105	0	0	2	0	2	220	0	222	205	220	0	222	205	207	0	215	205	207	0	215	205	0	2	0	0	0	2
2300	36	0	36	0	118	0	118	0	0	2	0	2	203	0	204	194	203	0	204	194	219	0	220	215	219	0	220	215	0	2	0	0	0	2
2400	16	0	16	0	95	0	95	0	0	2	0	2	156	5	177	153	156	5	177	153	215	0	216	215	215	0	216	215	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	529	0	464	0	567	0	568	0	320	2	320	2	38	0	113	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
200	532	0	448	0	572	0	572	0	320	2	320	2	41	0	110	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
300	547	0	453	0	574	0	574	0	320	2	320	2	25	0	106	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
400	543	0	457	0	581	0	579	0	320	2	320	2	36	0	104	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
500	538	0	450	0	570	0	570	0	320	2	320	2	32	0	104	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
600	547	0	457	0	572	0	572	0	320	2	320	2	27	0	104	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
700	554	0	523	0	588	0	595	0	320	2	320	2	36	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
800	583	0	595	0	579	0	599	0	320	2	320	2	-2	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
900	599	0	619	0	586	0	603	0	320	2	320	2	-11	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1000	626	0	646	0	617	0	628	0	320	2	320	2	-9	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1100	655	0	676	0	648	0	653	0	320	2	320	2	-7	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1200	680	0	691	0	658	0	662	0	320	2	320	2	-20	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1300	718	0	711	0	691	0	678	0	320	2	320	2	-27	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1400	741	0	729	0	721	0	703	0	320	2	320	2	-20	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1500	781	0	743	0	747	0	730	0	320	2	320	2	-32	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1600	784	0	763	0	766	0	761	0	320	2	320	2	-16	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1700	777	0	779	0	772	1	768	0	320	2	320	2	-4	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1800	786	0	788	0	788	0	790	0	320	2	320	2	4	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	783	0	779	0	795	0	795	0	320	2	320	2	16	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	757	0	759	0	781	0	779	0	320	2	320	2	25	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	729	0	723	0	770	0	766	0	320	2	320	2	41	0	36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2200	747	0	694	0	766	0	766	0	320	2	320	2	20	0	72	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2300	736	0	678	0	748	0	748	0	320	2	320	2	14	0	77	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2400	687	0	639	0	729	0	729	0	320	2	320	2	43	0	95	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	21	0	21	0	103	0	103	0	0	2	0	2	192	0	194	192	192	0	194	192	227	0	227	225	227	0	227	225	0	2	0	0	0	2
200	34	0	34	0	125	0	125	0	0	2	0	2	220	0	229	219	220	0	229	219	241	0	243	241	241	0	243	241	0	2	0	0	0	2
300	43	0	43	0	127	0	127	0	0	2	0	2	234	0	234	232	234	0	234	232	244	0	244	242	244	0	244	242	0	2	0	0	0	2
400	48	0	48	0	122	0	122	0	0	2	0	2	229	0	229	226	229	0	229	226	237	0	237	234	237	0	237	234	0	2	0	0	0	2
500	43	0	43	0	130	0	130	0	0	2	0	2	234	0	236	234	234	0	236	234	231	0	235	230	231	0	235	230	0	2	0	0	0	2
600	51	0	51	0	136	0	136	0	0	2	0	2	234	0	235	231	234	0	235	231	233	0	233	230	233	0	233	230	0	2	0	0	0	2
700	54	0	54	0	127	0	127	0	0	2	0	2	237	0	241	236	237	0	241	236	231	0	235	231	231	0	235	231	0	2	0	0	0	2
800	71	0	71	0	131	0	131	0	0	2	0	2	252	0	252	250	252	0	252	250	243	0	243	242	243	0	243	242	0	2	0	0	0	2
900	64	0	64	0	101	0	101	0	0	2	0	2	248	0	251	247	248	0	251	247	238	0	240	238	238	0	240	238	0	2	0	0	0	2
1000	77	0	77	0	112	0	112	0	0	2	0	2	234	0	236	234	234	0	236	234	234	0	236	234	234	0	236	234	0	2	0	0	0	2
1100	87	0	87	0	112	0	112	0	0	2	0	2	236	0	237	230	236	0	237	230	235	0	235	233	235	0	235	233	0	2	0	0	0	2
1200	84	0	84	0	120	0	120	0	0	2	0	2	239	0	239	236	239	0	239	236	232	0	234	231	232	0	234	231	0	2	0	0	0	2
1300	88	0	88	0	120	0	120	0	0	2	0	2	256	0	260	256	256	0	260	256	252	0	259	250	252	0	259	250	0	2	0	0	0	2
1400	75	0	75	0	78	0	78	0	0	2	0	2	253	0	253	250	253	0	253	250	273	0	273	270	273	0	273	270	0	2	0	0	0	2
1500	60	0	60	0	79	0	79	0	0	2	0	2	265	0	266	260	265	0	266	260	262	0	264	262	262	0	264	262	0	2	0	0	0	2
1600	54	0	54	0	72	0	72	0	0	2	0	2	274	0	275	269	274	0	275	269	265	0	265	264	265	0	265	264	0	2	0	0	0	2
1700	60	0	60	0	74	0	74	0	0	2	0	2	235	0	250	233	235	0	250	233	245	0	254	244	245	0	254	244	0	2	0	0	0	2
1800	40	0	40	0	54	0	54	0	0	2	0	2	252	0	280	248	252	0	280	248	255	0	265	254	255	0	265	254	0	2	0	0	0	2
1900	29	0	29	0	37	0	37	0	0	2	0	2	247	0	250	227	247	0	250	227	248	0	248	247	248	0	248	247	0	2	0	0	0	2
2000	13	0	13	0	53	0	53	0	0	2	0	2	235	5	236	226	235	5	236	226	215	0	217	215	215	0	217	215	0	2	0	0	0	2
2100	19	0	19	0	93	0	93	0	0	2	0	2	204	5	207	189	204	5	207	189	207	0	212	206	207	0	212	206	0	2	0	0	0	2
2200	37	0	37	0	139	0	139	0	0	2	0	2	186	0	186	182	186	0	186	182	197	0	197	196	197	0	197	196	0	2	0	0	0	2
2300	40	0	40	0	151	0	151	0	0	2	0	2	188	0	189	188	188	0	189	188	188	0	188	188	188	0	188	188	0	2	0	0	0	2
2400	66	0	66	0	176	0	176	0	0	2	0	2	199	0	199	196	199	0	199	196	198	0	199	198	198	0	199	198	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	685	0	624	0	705	0	705	0	320	2	320	2	22	0	85	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
200	678	0	637	0	696	0	696	0	320	2	320	2	20	0	59	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
300	667	0	664	0	682	0	682	0	320	2	320	2	16	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
400	664	0	658	0	678	0	676	0	320	2	320	2	16	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
500	662	0	649	0	675	0	675	0	320	2	320	2	14	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
600	653	0	657	0	667	0	666	0	320	2	320	2	14	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	660	0	671	0	671	0	673	0	320	2	320	2	11	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	666	0	687	0	675	0	687	0	320	2	320	2	9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
900	689	0	705	0	687	0	698	0	320	2	320	2	2	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1000	720	0	736	0	711	0	716	0	320	2	320	2	-9	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	743	0	759	0	739	0	743	0	320	2	320	2	-4	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1200	770	0	784	0	754	0	756	0	320	2	320	2	-14	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1300	797	0	797	0	772	0	759	0	320	2	320	2	-23	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1400	833	0	802	0	799	0	781	0	320	2	320	2	-32	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	851	0	808	0	819	0	795	0	320	2	320	2	-32	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1600	865	0	826	0	842	0	837	0	320	2	320	2	-22	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1700	847	0	840	0	842	0	840	0	320	2	320	2	-4	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
1800	849	0	842	0	851	0	853	0	320	2	320	2	2	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	831	0	835	0	840	0	842	0	320	2	320	2	11	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
2000	799	0	802	0	820	0	819	0	320	2	320	2	23	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	777	0	765	0	817	0	815	0	320	2	320	2	43	0	43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	133	0
2200	763	0	729	0	801	0	797	0	320	2	320	2	40	0	68	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2300	734	0	712	0	766	0	765	0	320	2	320	2	32	0	50	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2400	692	0	720	0	765	0	761	0	320	2	320	2	13	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 50 A	S	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	62	0	62	0	171	0	171	0	0	2	0	2	196	0	196	196	196	0	196	196	201	0	201	201	201	0	201	201	0	2	0	0	0	2
200	58	0	58	0	148	0	148	0	0	2	0	2	191	0	191	188	191	0	191	188	203	0	203	201	203	0	203	201	0	2	0	0	0	2
300	34	0	34	0	129	0	129	0	0	2	0	2	183	0	183	179	183	0	183	179	204	0	204	204	204	0	204	204	0	2	0	0	0	2
400	32	0	32	0	140	0	140	0	0	2	0	2	181	0	182	171	181	0	182	171	199	0	200	195	199	0	200	195	0	2	0	0	0	2
500	17	0	17	0	129	0	129	0	0	2	0	2	159	5	170	158	159	5	170	158	194	0	194	192	194	0	194	192	0	2	0	0	0	2
600	21	0	21	0	128	0	128	0	0	2	0	2	166	0	168	166	166	0	168	166	193	0	195	193	193	0	195	193	0	2	0	0	0	2
700	37	0	37	0	125	0	125	0	0	2	0	2	180	0	180	179	180	0	180	179	192	0	193	187	192	0	193	187	0	2	0	0	0	2
800	59	0	59	0	108	0	108	0	0	2	0	2	195	0	199	194	195	0	199	194	195	0	199	195	195	0	199	195	0	2	0	0	0	2
900	91	0	91	0	143	0	143	0	0	2	0	2	223	0	224	217	223	0	224	217	215	0	215	213	215	0	215	213	0	2	0	0	0	2
1000	59	2	59	2	108	2	108	2	0	2	0	2	195	2	199	194	195	2	199	194	195	2	199	195	195	2	199	195	0	2	0	0	0	2
1100	91	2	91	2	143	2	143	2	0	2	0	2	223	2	224	217	223	2	224	217	215	2	215	213	215	2	215	213	0	2	0	0	0	2
1200	86	0	86	0	134	0	134	0	0	2	0	2	234	0	234	234	234	0	234	234	225	0	225	225	225	0	225	225	0	2	0	0	0	2
1300	91	0	91	0	121	0	121	0	0	2	0	2	236	0	236	232	236	0	236	232	228	0	229	225	228	0	229	225	0	2	0	0	0	2
1400	76	0	76	0	104	0	104	0	0	2	0	2	255	0	257	234	255	0	257	234	249	0	249	244	249	0	249	244	0	2	0	0	0	2
1500	65	0	65	0	82	0	82	0	0	2	0	2	247	0	262	246	247	0	262	246	252	0	254	251	252	0	254	251	0	2	0	0	0	2
1600	49	0	49	0	63	0	63	0	0	2	0	2	254	0	274	253	254	0	274	253	257	0	263	257	257	0	263	257	0	2	0	0	0	2
1700	57	0	57	0	80	0	80	0	0	2	0	2	245	0	246	228	245	0	246	228	243	0	243	239	243	0	243	239	0	2	0	0	0	2
1800	56	0	56	0	83	0	83	0	0	2	0	2	236	0	237	236	236	0	237	236	232	0	233	232	232	0	233	232	0	2	0	0	0	2
1700	55	0	55	0	111	0	111	0	0	2	0	2	222	0	226	221	222	0	226	221	212	0	218	212	212	0	218	212	0	2	0	0	0	2
2000	36	0	36	0	116	0	116	0	0	2	0	2	235	0	237	234	235	0	237	234	215	0	219	215	215	0	219	215	0	2	0	0	0	2
2100	43	0	43	0	121	0	121	0	0	2	0	2	208	0	212	208	208	0	212	208	212	0	212	209	212	0	212	209	0	2	0	0	0	2
2200	56	0	56	0	134	0	134	0	0	2	0	2	207	0	208	206	207	0	208	206	210	0	211	210	210	0	211	210	0	2	0	0	0	2
2300	61	0	61	0	154	0	154	0	0	2	0	2	197	0	199	196	197	0	199	196	206	0	209	205	206	0	209	205	0	2	0	0	0	2
2400	76	0	76	0	172	0	172	0	0	2	0	2	197	0	198	197	197	0	198	197	202	0	203	201	202	0	203	201	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	747	0	714	0	754	0	752	0	320	2	320	2	-9	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
200	734	0	702	0	739	0	736	0	320	2	320	2	7	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
300	707	0	673	0	718	0	716	0	320	2	320	2	13	0	43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
400	673	0	651	0	712	0	709	0	320	2	320	2	40	0	50	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
500	658	0	619	0	707	0	703	0	320	2	320	2	50	0	61	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
600	657	0	617	0	702	0	700	0	320	2	320	2	47	0	49	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	671	0	648	0	698	0	703	0	320	2	320	2	27	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	736	0	714	0	730	0	747	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
900	770	0	772	0	759	0	774	0	320	2	320	2	-9	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1000	799	0	315	2	784	0	792	0	320	2	320	2	-14	0	187	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	806	0	315	2	797	0	799	0	320	2	320	2	-11	0	187	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1200	833	0	842	0	815	0	815	0	320	2	320	2	-18	0	-9	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1300	864	0	856	0	837	0	826	0	320	2	320	2	-27	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1400	894	0	867	0	869	0	851	0	320	2	320	2	-23	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	903	0	874	0	883	0	858	0	320	2	320	2	-22	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1600	901	0	885	0	891	0	885	0	320	2	320	2	-11	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1700	892	0	898	0	885	0	882	0	320	2	320	2	-7	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1800	876	0	882	0	876	0	874	0	320	2	320	2	2	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	864	0	874	0	873	0	871	0	320	2	320	2	11	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	849	0	849	0	869	0	865	0	320	2	320	2	20	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	842	0	835	0	856	0	855	0	320	2	320	2	14	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2200	837	0	829	0	849	0	844	0	320	2	320	2	11	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2300	822	0	795	0	829	0	826	0	320	2	320	2	9	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2400	806	0	781	0	808	0	804	0	320	2	320	2	4	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	70	0	70	0	157	0	157	0	0	2	0	2	199	0	202	198	199	0	202	198	206	0	206	206	206	0	206	206	0	2	0	0	0	2
200	63	0	63	0	144	0	144	0	0	2	0	2	198	0	198	196	198	0	198	196	209	0	209	207	209	0	209	207	0	2	0	0	0	2
300	77	0	77	0	147	0	147	0	0	2	0	2	222	0	222	221	222	0	222	221	219	0	219	217	219	0	219	217	0	2	0	0	0	2
400	80	0	80	0	157	0	157	0	0	2	0	2	221	0	222	221	221	0	222	221	218	0	219	218	218	0	219	218	0	2	0	0	0	2
500	78	0	78	0	154	0	154	0	0	2	0	2	219	0	222	219	219	0	222	219	217	0	219	217	217	0	219	217	0	2	0	0	0	2
600	50	0	50	0	123	0	123	0	0	2	0	2	199	0	206	198	199	0	206	198	213	0	216	212	213	0	216	212	0	2	0	0	0	2
700	55	0	55	0	119	0	119	0	0	2	0	2	204	0	205	194	204	0	205	194	213	0	214	212	213	0	214	212	0	2	0	0	0	2
800	74	0	74	0	129	0	129	0	0	2	0	2	224	0	225	215	224	0	225	215	222	0	222	218	222	0	222	218	0	2	0	0	0	2
900	81	0	81	0	133	0	133	0	0	2	0	2	226	0	227	226	226	0	227	226	223	0	224	221	223	0	224	221	0	2	0	0	0	2
1000	71	0	71	0	109	0	109	0	0	2	0	2	238	0	240	234	238	0	240	234	231	0	231	230	231	0	231	230	0	2	0	0	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1200	81	0	81	0	126	0	126	0	0	2	0	2	235	0	236	235	235	0	236	235	228	0	230	227	228	0	230	227	0	2	0	0	0	2
1300	86	0	86	0	121	0	121	0	0	2	0	2	244	0	247	242	244	0	247	242	240	0	241	239	240	0	241	239	0	2	0	0	0	2
1400	79	0	79	0	109	0	109	0	0	2	0	2	259	0	264	252	259	0	264	252	251	0	253	247	251	0	253	247	0	2	0	0	0	2
1500	67	0	67	0	98	0	98	0	0	2	0	2	271	0	274	267	271	0	274	267	263	0	264	261	263	0	264	261	0	2	0	0	0	2
1600	56	0	56	0	81	0	81	0	0	2	0	2	277	0	285	263	277	0	285	263	263	0	264	262	263	0	264	262	0	2	0	0	0	2
1700	56	0	56	0	83	0	83	0	0	2	0	2	247	0	247	245	247	0	247	245	250	0	253	247	250	0	253	247	0	2	0	0	0	2
1800	63	0	63	0	90	0	90	0	0	2	0	2	258	0	259	257	258	0	259	257	249	0	250	249	249	0	250	249	0	2	0	0	0	2
1900	56	0	56	0	93	0	93	0	0	2	0	2	243	0	246	239	243	0	246	239	238	0	239	238	238	0	239	238	0	2	0	0	0	2
2000	48	0	48	0	94	0	94	0	0	2	0	2	239	0	240	238	239	0	240	238	233	0	234	232	233	0	234	232	0	2	0	0	0	2
2100	47	0	47	0	115	0	115	0	0	2	0	2	236	0	237	235	236	0	237	235	227	0	228	224	227	0	228	224	0	2	0	0	0	2
2200	41	0	41	0	128	0	128	0	0	2	0	2	212	0	212	209	212	0	212	209	212	0	212	211	212	0	212	211	0	2	0	0	0	2
2300	58	0	58	0	145	0	145	0	0	2	0	2	221	0	226	220	221	0	226	220	211	0	213	211	211	0	213	211	0	2	0	0	0	2
2400	76	0	76	0	159	0	159	0	0	2	0	2	217	0	218	213	217	0	218	213	216	0	216	215	216	0	216	215	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	792	0	768	0	795	0	792	0	320	2	320	2	5	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
200	779	0	756	0	781	0	779	0	320	2	320	2	4	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
300	763	0	774	0	765	0	763	0	320	2	320	2	4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
400	752	0	759	0	754	0	752	0	320	2	320	2	4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
500	745	0	750	0	748	0	747	0	320	2	320	2	5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
600	741	0	721	0	745	0	743	0	320	2	320	2	5	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	747	0	732	0	750	0	752	0	320	2	320	2	4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	765	0	774	0	757	0	766	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	786	0	788	0	775	0	786	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	795	0	811	0	790	0	797	0	320	2	320	2	-5	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1200	799	0	831	0	793	0	797	0	320	2	320	2	-5	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1300	829	0	840	0	819	0	819	0	320	2	320	2	-9	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1400	856	0	864	0	840	0	829	0	320	2	320	2	-16	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	882	0	869	0	858	0	842	0	320	2	320	2	-23	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1600	900	0	876	0	871	0	855	0	320	2	320	2	-27	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1700	700	0	894	0	891	0	882	0	320	2	320	2	-11	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1800	883	0	891	0	880	0	876	0	320	2	320	2	-4	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1900	871	0	882	0	869	0	867	0	320	2	320	2	0	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2000	844	0	856	0	851	0	847	0	320	2	320	2	7	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2100	820	0	835	0	860	0	838	0	320	2	320	2	40	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2200	792	0	826	0	831	0	829	0	320	2	320	2	41	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2300	820	0	820	0	831	0	829	0	320	2	320	2	11	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
2400	817	0	822	0	820	0	819	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	81	0	81	0	162	0	162	0	0	2	0	2	225	0	225	223	225	0	225	223	222	0	222	220	222	0	222	220	0	2	0	0	0	2
200	77	0	77	0	147	0	147	0	0	2	0	2	222	0	222	222	222	0	222	222	218	0	219	218	218	0	219	218	0	2	0	0	0	2
300	48	0	48	0	112	0	112	0	0	2	0	2	189	0	190	189	189	0	190	189	211	0	216	210	211	0	216	210	0	2	0	0	0	2
400	51	0	51	0	128	0	128	0	0	2	0	2	197	0	198	189	197	0	198	189	205	0	206	205	205	0	206	205	0	2	0	0	0	2
500	56	0	56	0	127	0	127	0	0	2	0	2	190	0	194	189	190	0	194	189	206	0	211	205	206	0	211	205	0	2	0	0	0	2
600	73	0	73	0	158	0	158	0	0	2	0	2	209	0	211	197	209	0	211	197	216	0	216	213	216	0	216	213	0	2	0	0	0	2
700	91	0	91	0	162	0	162	0	0	2	0	2	220	0	220	215	220	0	220	215	218	0	218	215	218	0	218	215	0	2	0	0	0	2
800	91	0	91	0	158	0	158	0	0	2	0	2	217	0	217	216	217	0	217	216	216	0	217	215	216	0	217	215	0	2	0	0	0	2
900	97	0	97	0	158	0	158	0	0	2	0	2	217	0	217	217	217	0	217	217	216	0	217	215	216	0	217	215	0	2	0	0	0	2
1000	99	0	99	0	149	0	149	0	0	2	0	2	222	0	225	221	222	0	225	221	219	0	222	219	219	0	222	219	0	2	0	0	0	2
1100	103	0	103	0	156	0	156	0	0	2	0	2	235	0	236	234	235	0	236	234	228	0	230	226	228	0	230	226	0	2	0	0	0	2
1200	60	0	60	0	85	0	85	0	0	2	0	2	272	0	275	270	272	0	275	270	273	0	275	272	273	0	275	272	0	2	0	0	0	2
1300	52	0	52	0	106	0	106	0	0	2	0	2	274	0	276	273	274	0	276	273	276	0	277	276	276	0	277	276	0	2	0	0	0	2
1400	66	0	66	0	120	0	120	0	0	2	0	2	279	0	287	274	279	0	287	274	278	0	280	277	278	0	280	277	0	2	0	0	0	2
1500	62	0	62	0	112	0	112	0	0	2	0	2	292	0	293	289	292	0	293	289	283	0	285	279	283	0	285	279	0	2	0	0	0	2
1600	40	0	40	0	73	0	73	0	0	2	0	2	297	0	298	294	297	0	298	294	285	0	287	282	285	0	287	282	0	2	0	0	0	2
1700	35	0	35	0	82	0	82	0	0	2	0	2	295	0	320	282	295	0	320	282	291	0	305	284	291	0	305	284	0	2	0	0	0	2
1800	24	0	24	0	50	0	50	0	0	2	0	2	277	0	305	262	277	0	305	262	290	0	293	283	290	0	293	283	0	2	0	0	0	2
1900	25	0	25	0	65	0	65	0	0	2	0	2	294	0	308	269	294	0	308	269	282	0	294	261	282	0	294	261	0	2	0	0	0	2
2000	50	0	50	0	95	0	95	0	0	2	0	2	21	0	25	14	21	0	25	14	15	0	19	7	15	0	19	7	0	2	0	0	0	2
2100	65	0	65	0	119	0	119	0	0	2	0	2	23	0	28	23	23	0	28	23	21	0	24	20	21	0	24	20	0	2	0	0	0	2
2200	57	0	57	0	114	0	114	0	0	2	0	2	28	0	31	28	28	0	31	28	19	0	21	19	19	0	21	19	0	2	0	0	0	2
2300	54	0	54	0	113	0	113	0	0	2	0	2	23	0	25	23	23	0	25	23	18	0	20	18	18	0	20	18	0	2	0	0	0	2
2400	44	0	44	0	109	0	109	0	0	2	0	2	8	0	19	7	8	0	19	7	12	0	12	12	12	0	12	12	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	801	0	811	0	804	0	802	0	320	2	320	2	7	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
200	790	0	799	0	793	0	792	0	320	2	320	2	5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
300	779	0	743	0	784	0	783	0	320	2	320	2	5	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
400	765	0	725	0	768	0	766	0	320	2	320	2	5	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
500	756	0	718	0	757	0	756	0	320	2	320	2	4	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
600	739	0	730	0	739	0	738	0	320	2	320	2	2	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
700	741	0	750	0	741	0	741	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
800	750	0	759	0	750	0	750	0	320	2	320	2	0	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
900	761	0	770	0	757	0	763	0	320	2	320	2	-5	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1000	779	0	786	0	768	0	777	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1100	790	0	844	0	781	0	783	0	320	2	320	2	-9	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1200	770	0	784	0	772	0	774	0	320	2	320	2	4	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1300	781	0	779	0	775	0	775	0	320	2	320	2	-5	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1400	804	0	817	0	783	0	774	0	320	2	320	2	-22	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1500	819	0	820	0	817	0	797	0	320	2	320	2	-13	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	134	0
1600	844	0	824	0	829	0	824	0	320	2	320	2	-16	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	135	0
1700	766	0	806	0	810	0	817	0	320	2	320	2	43	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1800	775	0	784	0	786	0	784	0	320	2	320	2	11	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1900	743	0	765	0	752	0	750	0	320	2	320	2	9	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2000	714	0	734	0	736	0	734	0	320	2	320	2	23	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2100	709	0	720	0	718	0	716	0	320	2	320	2	9	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2200	707	0	716	0	711	0	709	0	320	2	320	2	5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2300	694	0	696	0	700	0	698	0	320	2	320	2	5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2400	676	0	685	0	691	0	689	0	320	2	320	2	14	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	40	0	40	0	113	0	113	0	0	2	0	2	35	0	35	30	35	0	35	30	23	0	23	18	23	0	23	18	0	2	0	0	0	2
200	19	0	19	0	76	0	76	0	0	2	0	2	46	5	66	44	46	5	66	44	36	0	42	35	36	0	42	35	0	2	0	0	0	2
300	20	0	20	0	94	0	94	0	0	2	0	2	46	5	50	46	46	5	50	46	44	0	44	39	44	0	44	39	0	2	0	0	0	2
400	32	0	32	0	87	0	87	0	0	2	0	2	5	0	8	5	5	0	8	5	17	0	18	10	17	0	18	10	0	2	0	0	0	2
500	47	0	47	0	107	0	107	0	0	2	0	2	55	0	56	48	55	0	56	48	46	0	46	40	46	0	46	40	0	2	0	0	0	2
600	42	0	42	0	96	0	96	0	0	2	0	2	71	0	72	59	71	0	72	59	56	0	57	49	56	0	57	49	0	2	0	0	0	2
700	44	0	44	0	83	0	83	0	0	2	0	2	60	0	61	57	60	0	61	57	54	0	55	50	54	0	55	50	0	2	0	0	0	2
800	54	0	54	0	75	0	75	0	0	2	0	2	65	0	76	63	65	0	76	63	57	0	66	56	57	0	66	56	0	2	0	0	0	2
900	52	0	52	0	69	0	69	0	0	2	0	2	52	0	55	52	52	0	55	52	50	0	50	45	50	0	50	45	0	2	0	0	0	2
1000	57	0	57	0	69	0	69	0	0	2	0	2	45	0	46	45	45	0	46	45	37	0	40	37	37	0	40	37	0	2	0	0	0	2
1100	58	0	58	0	72	0	72	0	0	2	0	2	34	0	35	34	34	0	35	34	28	0	34	25	28	0	34	25	0	2	0	0	0	2
1200	48	0	48	0	73	0	73	0	0	2	0	2	355	0	356	354	355	0	356	354	339	0	346	336	339	0	346	336	0	2	0	0	0	2
1300	61	0	61	0	99	0	99	0	0	2	0	2	346	0	347	343	346	0	347	343	338	0	339	336	338	0	339	336	0	2	0	0	0	2
1400	75	0	75	0	111	0	111	0	0	2	0	2	358	0	0	354	358	0	0	354	338	0	339	338	338	0	339	338	0	2	0	0	0	2
1500	80	0	80	0	138	0	138	0	0	2	0	2	351	0	353	350	351	0	353	350	337	0	338	336	337	0	338	336	0	2	0	0	0	2
1600	61	0	61	0	99	0	99	0	0	2	0	2	355	0	359	348	355	0	359	348	336	0	336	335	336	0	336	335	0	2	0	0	0	2
1700	47	0	47	0	64	0	64	0	0	2	0	2	9	0	14	0	9	0	14	0	355	0	359	347	355	0	359	347	0	2	0	0	0	2
1800	49	0	49	0	95	0	95	0	0	2	0	2	338	0	339	338	338	0	339	338	337	0	337	336	337	0	337	336	0	2	0	0	0	2
1900	45	0	45	0	74	0	74	0	0	2	0	2	2	0	8	351	2	0	8	351	355	0	358	348	355	0	358	348	0	2	0	0	0	2
2000	21	0	21	0	44	0	44	0	0	2	0	2	56	0	60	10	56	0	60	10	43	0	45	22	43	0	45	22	0	2	0	0	0	2
2100	10	0	10	0	50	0	50	0	0	2	0	2	61	5	91	58	61	5	91	58	56	0	56	53	56	0	56	53	0	2	0	0	0	2
2200	34	0	34	0	96	0	96	0	0	2	0	2	34	0	34	31	34	0	34	31	31	0	34	31	31	0	34	31	0	2	0	0	0	2
2300	37	0	37	0	103	0	103	0	0	2	0	2	50	0	51	39	50	0	51	39	39	0	39	37	39	0	39	37	0	2	0	0	0	2
2400	27	0	27	0	97	0	97	0	0	2	0	2	50	0	50	47	50	0	50	47	41	0	41	40	41	0	41	40	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	673	0	678	0	693	0	689	0	320	2	320	2	20	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
200	660	0	667	0	680	0	676	0	320	2	320	2	22	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
300	648	0	651	0	678	0	675	0	320	2	320	2	31	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
400	626	0	637	0	644	0	639	0	320	2	320	2	16	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
500	624	0	628	0	628	0	624	0	320	2	320	2	5	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
600	617	0	615	0	621	0	617	0	320	2	320	2	4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
700	630	0	617	0	624	0	630	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
800	669	0	646	0	653	0	662	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
900	702	0	662	0	684	0	707	0	320	2	320	2	-18	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1000	725	0	705	0	703	0	720	0	320	2	320	2	-22	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1100	712	0	730	0	712	0	714	0	320	2	320	2	-5	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1200	729	0	723	0	712	0	714	0	320	2	320	2	-18	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1300	739	0	736	0	714	0	703	0	320	2	320	2	-25	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1400	712	0	734	0	700	0	691	0	320	2	320	2	-13	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1500	721	0	712	0	711	0	694	0	320	2	320	2	-11	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1600	714	0	716	0	711	0	702	0	320	2	320	2	-4	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1700	732	0	725	0	745	0	745	0	320	2	320	2	-7	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1800	700	0	702	0	711	0	711	0	320	2	320	2	11	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1900	711	0	689	0	712	0	714	0	320	2	320	2	4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2000	689	0	700	0	703	0	703	0	320	2	320	2	16	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2100	657	0	671	0	696	0	693	0	320	2	320	2	40	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2200	639	0	657	0	671	0	667	0	320	2	320	2	32	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2300	626	0	631	0	649	0	646	0	320	2	320	2	23	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2400	621	0	624	0	646	0	642	0	320	2	320	2	27	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0

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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 30 A	S	MIN	MAX	WIND DIR2 30 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	18	0	18	0	95	0	95	0	0	2	0	2	64	5	65	56	64	5	65	56	49	0	49	46	49	0	49	46	0	2	0	0	0	2
200	26	0	26	0	106	0	106	0	0	2	0	2	71	0	74	71	71	0	74	71	63	0	63	63	63	0	63	63	0	2	0	0	0	2
300	17	0	17	0	90	0	90	0	0	2	0	2	89	5	106	88	89	5	106	88	96	0	97	87	96	0	97	87	0	2	0	0	0	2
400	27	0	27	0	92	0	92	0	0	2	0	2	105	0	105	99	105	0	105	99	123	0	124	114	123	0	124	114	0	2	0	0	0	2
500	20	0	20	0	124	0	124	0	0	2	0	2	132	5	132	131	132	5	132	131	155	0	155	155	155	0	155	155	0	2	0	0	0	2
600	30	0	30	0	154	0	154	0	0	2	0	2	147	0	151	147	147	0	151	147	149	0	150	149	149	0	150	149	0	2	0	0	0	2
700	50	0	50	0	122	0	122	0	0	2	0	2	176	0	177	167	176	0	177	167	164	0	165	159	164	0	165	159	0	2	0	0	0	2
800	53	0	53	0	111	0	111	0	0	2	0	2	168	0	169	160	168	0	169	160	153	0	154	153	153	0	154	153	0	2	0	0	0	2
900	50	0	50	0	103	0	103	0	0	2	0	2	163	0	164	163	163	0	164	163	149	0	151	149	149	0	151	149	0	2	0	0	0	2
1000	62	0	62	0	117	0	117	0	0	2	0	2	168	0	179	167	168	0	179	167	154	0	164	153	154	0	164	153	0	2	0	0	0	2
1100	50	2	50	2	122	2	122	2	0	2	0	2	176	2	177	167	176	2	177	167	164	2	165	159	164	2	165	159	0	2	0	0	0	2
1200	53	2	53	2	111	2	111	2	0	2	0	2	168	2	169	160	168	2	169	160	153	2	154	153	153	2	154	153	0	2	0	0	0	2
1300	50	2	50	2	103	2	103	2	0	2	0	2	163	2	164	163	163	2	164	163	149	2	151	149	149	2	151	149	0	2	0	0	0	2
1400	46	0	46	0	68	0	68	0	0	2	0	2	274	0	280	263	274	0	280	263	278	0	285	265	278	0	285	265	0	2	0	0	0	2
1500	47	0	47	0	77	0	77	0	0	2	0	2	331	0	334	330	331	0	334	330	318	0	319	318	318	0	319	318	0	2	0	0	0	2
1600	60	0	60	0	79	0	79	0	0	2	0	2	359	0	0	357	359	0	0	357	333	0	335	330	333	0	335	330	0	2	0	0	0	2
1700	57	0	57	0	80	0	80	0	0	2	0	2	356	0	357	355	356	0	357	355	331	0	332	330	331	0	332	330	0	2	0	0	0	2
1800	45	0	45	0	80	0	80	0	0	2	0	2	348	0	356	343	348	0	356	343	334	0	336	332	334	0	336	332	0	2	0	0	0	2
1900	43	0	43	0	82	0	82	0	0	2	0	2	358	0	359	356	358	0	359	356	349	0	350	347	349	0	350	347	0	2	0	0	0	2
2000	36	0	36	0	72	0	72	0	0	2	0	2	356	0	0	356	356	0	0	356	350	0	351	350	350	0	351	350	0	2	0	0	0	2
2100	37	0	37	0	88	0	88	0	0	2	0	2	11	0	11	11	11	0	11	11	6	0	7	6	6	0	7	6	0	2	0	0	0	2
2200	27	0	27	0	80	0	80	0	0	2	0	2	17	0	17	14	17	0	17	14	15	0	20	15	15	0	20	15	0	2	0	0	0	2
2300	14	0	14	0	89	0	89	0	0	2	0	2	4	5	20	3	4	5	20	3	19	0	21	19	19	0	21	19	0	2	0	0	0	2
2400	0	4	0	4	97	0	97	0	0	2	0	2	13	5	33	12	13	5	33	12	28	0	28	25	28	0	28	25	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	626	0	613	0	646	0	644	0	320	2	320	2	20	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
200	617	0	608	0	649	0	648	0	320	2	320	2	32	0	34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
300	610	0	599	0	640	0	640	0	320	2	320	2	32	0	36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
400	604	0	588	0	631	0	628	0	320	2	320	2	27	0	41	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
500	575	0	577	0	617	0	613	0	320	2	320	2	23	0	34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
600	610	0	586	0	615	0	613	0	320	2	320	2	5	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
700	646	0	633	0	640	0	644	0	320	2	320	2	-5	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
800	691	0	669	0	676	0	684	0	320	2	320	2	-18	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
900	703	0	693	0	685	0	691	0	320	2	320	2	-16	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1000	709	0	698	0	694	0	696	0	320	2	320	2	-13	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1100	732	0	315	2	714	0	714	0	320	2	320	2	-20	0	187	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1200	777	0	315	2	757	0	748	0	320	2	320	2	-29	0	187	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1300	779	0	315	2	752	0	748	0	320	2	320	2	-27	0	187	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1400	738	0	763	0	711	0	703	0	320	2	320	2	-27	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1500	732	0	723	0	721	0	711	0	320	2	320	2	-9	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1600	718	0	725	0	714	0	711	0	320	2	320	2	-2	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1700	730	0	711	0	727	0	729	0	320	2	320	2	-2	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1800	689	0	705	0	696	0	689	0	320	2	320	2	4	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1900	687	0	687	0	698	0	700	0	320	2	320	2	13	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2000	660	0	669	0	664	0	664	0	320	2	320	2	5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2100	626	0	640	0	640	0	639	0	320	2	320	2	16	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2200	619	0	630	0	651	0	649	0	320	2	320	2	31	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2300	622	0	619	0	675	0	675	0	320	2	320	2	52	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2400	608	0	606	0	685	0	684	0	320	2	320	2	77	0	52	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	17	0	17	0	111	0	111	0	0	2	0	2	79	5	81	45	79	5	81	45	33	0	34	29	33	0	34	29	0	2	0	0	0	2
200	21	0	21	0	129	0	129	0	0	2	0	2	76	0	76	76	76	0	76	76	37	0	37	37	37	0	37	37	0	2	0	0	0	2
300	22	0	22	0	128	0	128	0	0	2	0	2	86	0	87	70	86	0	87	70	57	0	58	49	57	0	58	49	0	2	0	0	0	2
400	21	0	21	0	133	0	133	0	0	2	0	2	90	0	90	89	90	0	90	89	81	0	83	81	81	0	83	81	0	2	0	0	0	2
500	16	0	16	0	113	0	113	0	0	2	0	2	94	5	113	93	94	5	113	93	105	0	105	98	105	0	105	98	0	2	0	0	0	2
600	17	0	17	0	91	0	91	0	0	2	0	2	221	3	225	157	221	3	225	157	143	0	144	135	143	0	144	135	0	2	0	0	0	2
700	21	0	21	0	94	0	94	0	0	2	0	2	126	0	166	123	126	0	166	123	149	0	170	147	149	0	170	147	0	2	0	0	0	2
800	39	0	39	0	54	0	54	0	0	2	0	2	195	0	203	194	195	0	203	194	167	0	183	166	167	0	183	166	0	2	0	0	0	2
900	31	0	31	0	30	0	30	0	0	2	0	2	251	0	255	200	251	0	255	200	256	3	260	190	256	3	260	190	0	2	0	0	0	2
1000	42	0	42	0	51	0	51	0	0	2	0	2	280	0	281	267	280	0	281	267	262	0	263	260	262	0	263	260	0	2	0	0	0	2
1100	54	0	54	0	63	0	63	0	0	2	0	2	241	0	245	239	241	0	245	239	231	0	236	229	231	0	236	229	0	2	0	0	0	2
1200	54	0	54	0	75	0	75	0	0	2	0	2	272	0	275	270	272	0	275	270	269	0	271	264	269	0	271	264	0	2	0	0	0	2
1300	59	0	59	0	76	0	76	0	0	2	0	2	276	0	283	272	276	0	283	272	265	0	267	263	265	0	267	263	0	2	0	0	0	2
1400	45	0	45	0	53	0	53	0	0	2	0	2	277	0	285	272	277	0	285	272	272	0	272	271	272	0	272	271	0	2	0	0	0	2
1500	53	0	53	0	90	0	90	0	0	2	0	2	312	0	316	310	312	0	316	310	291	0	292	291	291	0	292	291	0	2	0	0	0	2
1600	52	0	52	0	80	0	80	0	0	2	0	2	310	0	317	299	310	0	317	299	290	0	292	286	290	0	292	286	0	2	0	0	0	2
1700	37	0	37	0	55	0	55	0	0	2	0	2	288	0	291	282	288	0	291	282	301	0	305	291	301	0	305	291	0	2	0	0	0	2
1800	33	0	33	0	37	0	37	0	0	2	0	2	357	0	7	338	357	0	7	338	333	0	334	330	333	0	334	330	0	2	0	0	0	2
1900	18	0	18	0	24	0	24	0	0	2	0	2	132	5	177	51	132	5	177	51	165	0	171	154	165	0	171	154	0	2	0	0	0	2
2000	13	0	13	0	49	0	49	0	0	2	0	2	164	5	179	156	164	5	179	156	158	0	165	154	158	0	165	154	0	2	0	0	0	2
2100	11	0	11	0	88	0	88	0	0	2	0	2	133	5	140	133	133	5	140	133	132	0	132	127	132	0	132	127	0	2	0	0	0	2
2200	11	0	11	0	123	0	123	0	0	2	0	2	140	5	140	137	140	5	140	137	128	0	128	128	128	0	128	128	0	2	0	0	0	2
2300	24	0	24	0	141	0	141	0	0	2	0	2	170	0	170	167	170	0	170	167	141	0	142	137	141	0	142	137	0	2	0	0	0	2
2400	25	0	25	0	140	0	140	0	0	2	0	2	166	0	172	165	166	0	172	165	148	0	149	148	148	0	149	148	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	610	0	604	0	687	0	685	0	320	2	320	2	77	0	77	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
200	610	0	592	0	693	0	689	0	320	2	320	2	83	0	101	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
300	601	0	576	0	687	0	684	0	320	2	320	2	88	0	86	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
400	613	0	570	0	675	0	673	0	320	2	320	2	63	0	86	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
500	617	0	565	0	698	0	694	0	320	2	320	2	81	0	86	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
600	613	0	576	0	649	0	646	0	320	2	320	2	34	0	68	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
700	624	0	597	0	633	0	646	0	320	2	320	2	11	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
800	680	0	651	0	671	0	707	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
900	684	0	707	0	673	0	689	0	320	2	320	2	-13	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1000	705	0	705	0	694	0	714	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1100	720	0	766	0	703	0	714	0	320	2	320	2	-14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1200	768	0	775	0	754	0	757	0	320	2	320	2	-13	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1300	795	0	792	0	765	0	748	0	320	2	320	2	-29	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1400	835	0	820	0	806	0	783	0	320	2	320	2	-29	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1500	847	0	826	0	819	0	804	0	320	2	320	2	-27	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1600	871	0	837	0	842	0	835	0	320	2	320	2	-27	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1700	880	0	853	0	883	0	880	0	320	2	320	2	5	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1800	882	0	846	0	889	0	896	0	320	2	320	2	9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
1900	867	0	856	0	867	0	871	0	320	2	320	2	2	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2000	817	0	835	0	838	0	835	0	320	2	320	2	22	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2100	784	0	783	0	824	0	820	0	320	2	320	2	41	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2200	765	0	750	0	808	0	804	0	320	2	320	2	45	0	56	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2300	748	0	732	0	784	0	781	0	320	2	320	2	40	0	52	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0
2400	772	0	720	0	781	0	777	0	320	2	320	2	50	0	45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	138	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	38	0	38	0	132	0	132	0	0	2	0	2	180	0	180	178	180	0	180	178	179	0	179	174	179	0	179	174	0	2	0	0	0	2
200	50	0	50	0	144	0	144	0	0	2	0	2	190	0	190	187	190	0	190	187	200	0	200	195	200	0	200	195	0	2	0	0	0	2
300	46	0	46	0	138	0	138	0	0	2	0	2	198	0	198	192	198	0	198	192	214	0	214	212	214	0	214	212	0	2	0	0	0	2
400	65	0	65	0	145	0	145	0	0	2	0	2	207	0	207	201	207	0	207	201	214	0	214	211	214	0	214	211	0	2	0	0	0	2
500	45	0	45	0	143	0	143	0	0	2	0	2	179	0	183	179	179	0	183	179	191	0	200	191	191	0	200	191	0	2	0	0	0	2
600	35	0	35	0	138	0	138	0	0	2	0	2	179	0	180	179	179	0	180	179	189	0	191	189	189	0	191	189	0	2	0	0	0	2
700	43	0	43	0	121	0	121	0	0	2	0	2	190	0	190	185	190	0	190	185	206	0	206	202	206	0	206	202	0	2	0	0	0	2
800	53	0	53	0	100	0	100	0	0	2	0	2	199	0	212	199	199	0	212	199	201	0	209	201	201	0	209	201	0	2	0	0	0	2
900	95	0	95	0	152	0	152	0	0	2	0	2	220	0	225	220	220	0	225	220	217	0	217	216	217	0	217	216	0	2	0	0	0	2
1000	103	0	103	0	170	0	170	0	0	2	0	2	226	0	226	226	226	0	226	226	221	0	221	221	221	0	221	221	0	2	0	0	0	2
1100	90	0	90	0	139	0	139	0	0	2	0	2	235	0	238	225	235	0	238	225	226	0	227	224	226	0	227	224	0	2	0	0	0	2
1200	74	0	74	0	113	0	113	0	0	2	0	2	231	0	237	229	231	0	237	229	232	0	234	231	232	0	234	231	0	2	0	0	0	2
1300	87	0	87	0	119	0	119	0	0	2	0	2	230	0	231	229	230	0	231	229	226	0	227	222	226	0	227	222	0	2	0	0	0	2
1400	98	0	98	0	146	0	146	0	0	2	0	2	243	0	244	240	243	0	244	240	243	0	244	239	243	0	244	239	0	2	0	0	0	2
1500	77	0	77	0	103	0	103	0	0	2	0	2	232	0	232	231	232	0	232	231	226	0	227	226	226	0	227	226	0	2	0	0	0	2
1600	78	0	78	0	125	0	125	0	0	2	0	2	242	0	245	241	242	0	245	241	232	0	233	231	232	0	233	231	0	2	0	0	0	2
1700	116	0	116	0	170	0	170	0	0	2	0	2	209	0	212	202	209	0	212	202	197	0	198	194	197	0	198	194	0	2	0	0	0	2
1800	55	0	55	0	97	0	97	0	0	2	0	2	239	0	245	226	239	0	245	226	225	0	229	217	225	0	229	217	0	2	0	0	0	2
1900	54	0	54	0	101	0	101	0	0	2	0	2	234	0	236	231	234	0	236	231	217	0	220	216	217	0	220	216	0	2	0	0	0	2
2000	46	0	46	0	90	0	90	0	0	2	0	2	202	0	205	201	202	0	205	201	195	0	196	194	195	0	196	194	0	2	0	0	0	2
2100	55	0	55	0	140	0	140	0	0	2	0	2	188	0	189	186	188	0	189	186	182	0	182	182	182	0	182	182	0	2	0	0	0	2
2200	53	0	53	0	138	0	138	0	0	2	0	2	194	0	196	193	194	0	196	193	185	0	186	185	185	0	186	185	0	2	0	0	0	2
2300	60	0	60	0	138	0	138	0	0	2	0	2	201	0	203	200	201	0	203	200	194	0	195	193	194	0	195	193	0	2	0	0	0	2
2400	68	0	68	0	151	0	151	0	0	2	0	2	196	0	197	196	196	0	197	196	194	0	194	194	194	0	194	194	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	741	0	734	0	768	0	765	0	320	2	320	2	-29	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
200	756	0	716	0	765	0	761	0	320	2	320	2	9	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
300	756	0	720	0	763	0	759	0	320	2	320	2	7	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
400	752	0	736	0	756	0	752	0	320	2	320	2	5	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
500	711	0	696	0	730	0	727	0	320	2	320	2	22	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
600	700	0	676	0	721	0	720	0	320	2	320	2	23	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
700	729	0	691	0	738	0	734	0	320	2	320	2	5	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
800	748	0	736	0	747	0	750	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
900	768	0	779	0	761	0	768	0	320	2	320	2	-7	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1000	788	0	795	0	779	0	783	0	320	2	320	2	-9	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1100	784	0	817	0	790	0	788	0	320	2	320	2	5	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1200	797	0	813	0	793	0	793	0	320	2	320	2	-2	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1300	856	0	846	0	840	0	824	0	320	2	320	2	-20	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1400	853	0	862	0	837	0	820	0	320	2	320	2	-16	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1500	882	0	878	0	865	0	855	0	320	2	320	2	-14	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1600	874	0	878	0	869	0	862	0	320	2	320	2	-7	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1700	889	0	898	0	880	0	878	0	320	2	320	2	-7	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1800	865	0	869	0	869	0	869	0	320	2	320	2	5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1900	869	0	873	0	876	0	876	0	320	2	320	2	9	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
2000	840	0	862	0	847	0	846	0	320	2	320	2	9	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
2100	808	0	815	0	822	0	819	0	320	2	320	2	18	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
2200	804	0	795	0	813	0	810	0	320	2	320	2	9	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
2300	811	0	793	0	815	0	811	0	320	2	320	2	5	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
2400	784	0	790	0	799	0	795	0	320	2	320	2	14	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	80	0	80	0	177	0	177	0	0	2	0	2	198	0	198	196	198	0	198	196	195	0	195	194	195	0	195	194	0	2	0	0	0	2
200	98	0	98	0	190	0	190	0	0	2	0	2	204	0	205	200	204	0	205	200	198	0	198	196	198	0	198	196	0	2	0	0	0	2
300	73	0	73	0	149	0	149	0	0	2	0	2	210	0	211	203	210	0	211	203	206	0	206	199	206	0	206	199	0	2	0	0	0	2
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
700	135	0	135	0	218	0	218	0	0	2	0	2	215	0	216	206	215	0	216	206	205	0	205	200	205	0	205	200	0	2	0	0	0	2
800	37	0	37	0	106	0	106	0	0	2	0	2	165	0	181	164	165	0	181	164	164	0	176	163	164	0	176	163	0	2	0	0	0	2
900	63	0	63	0	143	0	143	0	0	2	0	2	188	0	189	187	188	0	189	187	184	0	184	182	184	0	184	182	0	2	0	0	0	2
1000	101	0	101	0	161	0	161	0	0	2	0	2	197	0	198	194	197	0	198	194	186	0	187	185	186	0	187	185	0	2	0	0	0	2
1100	108	0	108	0	155	0	155	0	0	2	0	2	193	0	193	192	193	0	193	192	183	0	183	182	183	0	183	182	0	2	0	0	0	2
1200	117	0	117	0	169	0	169	0	0	2	0	2	192	0	195	192	192	0	195	192	181	0	182	181	181	0	182	181	0	2	0	0	0	2
1300	109	0	109	0	145	0	145	0	0	2	0	2	199	0	200	197	199	0	200	197	188	0	190	187	188	0	190	187	0	2	0	0	0	2
1400	103	0	103	0	132	0	132	0	0	2	0	2	201	0	204	200	201	0	204	200	191	0	198	187	191	0	198	187	0	2	0	0	0	2
1500	99	0	99	0	143	0	143	0	0	2	0	2	222	0	227	214	222	0	227	214	215	0	218	209	215	0	218	209	0	2	0	0	0	2
1600	74	0	74	0	101	0	101	0	0	2	0	2	227	0	233	224	227	0	233	224	217	0	222	214	217	0	222	214	0	2	0	0	0	2
1700	48	0	48	0	65	0	65	0	0	2	0	2	247	0	247	247	247	0	247	247	246	0	252	235	246	0	252	235	0	2	0	0	0	2
1800	51	0	51	0	72	0	72	0	0	2	0	2	8	0	19	2	8	0	19	2	357	0	358	356	357	0	358	356	0	2	0	0	0	2
1900	59	0	59	0	96	0	96	0	0	2	0	2	29	0	30	27	29	0	30	27	25	0	25	24	25	0	25	24	0	2	0	0	0	2
2000	36	0	36	0	67	0	67	0	0	2	0	2	26	0	34	22	26	0	34	22	28	0	31	27	28	0	31	27	0	2	0	0	0	2
2100	16	0	16	0	48	0	48	0	0	2	0	2	326	5	354	324	326	5	354	324	29	0	29	27	29	0	29	27	0	2	0	0	0	2
2200	41	0	41	0	49	0	49	0	0	2	0	2	251	0	269	250	251	0	269	250	249	0	276	247	249	0	276	247	0	2	0	0	0	2
2300	35	0	35	0	76	0	76	0	0	2	0	2	307	0	308	290	307	0	308	290	279	0	280	261	279	0	280	261	0	2	0	0	0	2
2400	28	0	28	0	69	0	69	0	0	2	0	2	48	0	51	48	48	0	51	48	345	0	354	345	345	0	354	345	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	790	0	774	0	797	0	793	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
200	790	0	770	0	795	0	792	0	320	2	320	2	7	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
300	786	0	781	0	784	0	783	0	320	2	320	2	2	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	682	0	720	0	689	0	685	0	320	2	320	2	7	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
800	703	0	684	0	718	0	712	0	320	2	320	2	13	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
900	747	0	714	0	757	0	754	0	320	2	320	2	7	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1000	768	0	737	0	763	0	757	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1100	813	0	790	0	792	0	792	0	320	2	320	2	-29	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1200	838	0	810	0	811	0	808	0	320	2	320	2	-31	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1300	874	0	838	0	837	0	831	0	320	2	320	2	-36	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1400	901	0	865	0	873	0	858	0	320	2	320	2	-31	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1500	921	0	903	0	905	0	891	0	320	2	320	2	-16	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1600	948	0	932	0	932	0	925	0	320	2	320	2	-18	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1700	957	0	941	0	954	0	950	0	320	2	320	2	-2	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1800	905	0	912	0	905	0	901	0	320	2	320	2	2	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1900	896	0	889	0	885	0	883	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2000	864	0	871	0	860	0	858	0	320	2	320	2	-4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2100	828	0	831	0	838	0	835	0	320	2	320	2	11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2200	723	0	748	0	761	0	757	0	320	2	320	2	38	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2300	721	0	736	0	783	0	781	0	320	2	320	2	61	0	45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
2400	0	0	714	0	793	0	797	0	320	2	320	2	77	0	61	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	31	0	31	0	28	0	28	0	0	2	0	2	208	0	208	193	208	0	208	193	53	3	58	273	53	3	58	273	0	2	0	0	0	2
200	18	0	18	0	28	0	28	0	0	2	0	2	68	3	191	65	68	3	191	65	68	0	92	67	68	0	92	67	0	2	0	0	0	2
300	12	0	12	0	10	0	10	0	0	2	0	2	118	5	118	117	118	5	118	117	73	5	73	73	73	5	73	73	0	2	0	0	0	2
400	15	0	15	0	49	0	49	0	0	2	0	2	151	5	152	115	151	5	152	115	95	0	100	95	95	0	100	95	0	2	0	0	0	2
500	17	0	17	0	78	0	78	0	0	2	0	2	96	5	98	96	96	5	98	96	115	0	124	115	115	0	124	115	0	2	0	0	0	2
600	18	0	18	0	118	0	118	0	0	2	0	2	163	5	163	131	163	5	163	131	141	0	142	141	141	0	142	141	0	2	0	0	0	2
700	19	0	19	0	106	0	106	0	0	2	0	2	128	5	157	127	128	5	157	127	161	0	161	160	161	0	161	160	0	2	0	0	0	2
800	24	0	24	0	41	0	41	0	0	2	0	2	123	0	138	122	123	0	138	122	132	0	144	130	132	0	144	130	0	2	0	0	0	2
900	51	0	51	0	75	0	75	0	0	2	0	2	188	0	190	167	188	0	190	167	175	0	177	155	175	0	177	155	0	2	0	0	0	2
1000	67	0	67	0	86	0	86	0	0	2	0	2	203	0	207	194	203	0	207	194	190	0	193	183	190	0	193	183	0	2	0	0	0	2
1100	80	0	80	0	112	0	112	0	0	2	0	2	230	0	233	228	230	0	233	228	228	0	230	227	228	0	230	227	0	2	0	0	0	2
1200	84	0	84	0	116	0	116	0	0	2	0	2	232	0	234	229	232	0	234	229	229	0	231	226	229	0	231	226	0	2	0	0	0	2
1300	85	0	85	0	115	0	115	0	0	2	0	2	227	0	232	224	227	0	232	224	231	0	232	231	231	0	232	231	0	2	0	0	0	2
1400	91	0	91	0	124	0	124	0	0	2	0	2	225	0	226	224	225	0	226	224	226	0	227	226	226	0	227	226	0	2	0	0	0	2
1500	80	0	80	0	110	0	110	0	0	2	0	2	241	0	247	227	241	0	247	227	240	0	243	234	240	0	243	234	0	2	0	0	0	2
1600	77	0	77	0	105	0	105	0	0	2	0	2	241	0	246	238	241	0	246	238	238	0	238	237	238	0	238	237	0	2	0	0	0	2
1700	84	0	84	0	133	0	133	0	0	2	0	2	232	0	233	232	232	0	233	232	229	0	230	228	229	0	230	228	0	2	0	0	0	2
1800	84	0	84	0	147	0	147	0	0	2	0	2	234	0	235	231	234	0	235	231	231	0	232	229	231	0	232	229	0	2	0	0	0	2
1900	78	0	78	0	162	0	162	0	0	2	0	2	241	0	242	240	241	0	242	240	237	0	238	237	237	0	238	237	0	2	0	0	0	2
2000	75	0	75	0	162	0	162	0	0	2	0	2	235	0	238	234	235	0	238	234	232	0	233	231	232	0	233	231	0	2	0	0	0	2
2100	63	0	63	0	148	0	148	0	0	2	0	2	223	0	226	222	223	0	226	222	217	0	221	217	217	0	221	217	0	2	0	0	0	2
2200	65	0	65	0	137	0	137	0	0	2	0	2	220	0	221	211	220	0	221	211	219	0	219	219	219	0	219	219	0	2	0	0	0	2
2300	67	0	67	0	134	0	134	0	0	2	0	2	209	0	210	209	209	0	210	209	214	0	215	214	214	0	215	214	0	2	0	0	0	2
2400	93	0	93	0	158	0	158	0	0	2	0	2	219	0	219	216	219	0	219	216	216	0	216	215	216	0	216	215	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	720	0	691	0	779	0	786	0	320	2	320	2	59	0	63	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
200	721	0	680	0	797	0	795	0	320	2	320	2	76	0	128	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
300	721	0	685	0	777	0	779	0	320	2	320	2	56	0	76	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
400	700	0	671	0	759	0	756	0	320	2	320	2	59	0	72	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
500	702	0	660	0	781	0	777	0	320	2	320	2	81	0	94	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
600	702	0	667	0	790	0	788	0	320	2	320	2	90	0	106	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
700	708	0	707	0	786	0	786	0	320	2	320	2	38	0	47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
800	810	0	770	0	792	0	810	0	320	2	320	2	-18	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
900	849	0	833	0	837	0	846	0	320	2	320	2	-20	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1000	864	0	853	0	847	0	856	0	320	2	320	2	-18	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1100	882	0	878	0	862	0	865	0	320	2	320	2	-22	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1200	887	0	892	0	867	0	867	0	320	2	320	2	-20	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1300	914	0	912	0	898	0	882	0	320	2	320	2	-22	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1400	927	0	919	0	914	0	896	0	320	2	320	2	-16	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1500	952	0	943	0	930	0	918	0	320	2	320	2	-20	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1600	955	0	950	0	946	0	941	0	320	2	320	2	-7	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1700	928	0	952	0	934	0	930	0	320	2	320	2	7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1800	923	0	941	0	945	0	939	0	320	2	320	2	20	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1900	869	0	921	0	910	0	905	0	320	2	320	2	41	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
2000	869	0	901	0	896	0	892	0	320	2	320	2	27	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
2100	900	0	888	0	909	0	907	0	320	2	320	2	11	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
2200	891	0	900	0	896	0	894	0	320	2	320	2	5	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
2300	869	0	876	0	871	0	867	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
2400	853	0	869	0	856	0	855	0	320	2	320	2	5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	105	0	105	0	194	0	194	0	0	2	0	2	224	0	224	221	224	0	224	221	218	0	219	217	218	0	219	217	0	2	0	0	0	2
200	102	0	102	0	186	0	186	0	0	2	0	2	227	0	228	227	227	0	228	227	221	0	221	220	221	0	221	220	0	2	0	0	0	2
300	107	0	107	0	191	0	191	0	0	2	0	2	225	0	225	224	225	0	225	224	218	0	221	218	218	0	221	218	0	2	0	0	0	2
400	139	0	139	0	231	0	231	0	0	2	0	2	221	0	221	220	221	0	221	220	213	0	217	213	213	0	217	213	0	2	0	0	0	2
500	113	0	113	0	204	0	204	0	0	2	0	2	221	0	222	221	221	0	222	221	216	0	216	215	216	0	216	215	0	2	0	0	0	2
600	120	0	120	0	201	0	201	0	0	2	0	2	220	0	222	220	220	0	222	220	215	0	216	215	215	0	216	215	0	2	0	0	0	2
700	106	0	106	0	183	0	183	0	0	2	0	2	227	0	227	220	227	0	227	220	222	0	222	217	222	0	222	217	0	2	0	0	0	2
800	84	0	84	0	166	0	166	0	0	2	0	2	232	0	234	232	232	0	234	232	228	0	228	228	228	0	228	228	0	2	0	0	0	2
900	90	0	90	0	160	0	160	0	0	2	0	2	221	0	223	220	221	0	223	220	217	0	221	217	217	0	221	217	0	2	0	0	0	2
1000	114	0	114	0	197	0	197	0	0	2	0	2	233	0	235	223	233	0	235	223	225	0	225	219	225	0	225	219	0	2	0	0	0	2
1100	82	0	82	0	163	0	163	0	0	2	0	2	243	0	246	243	243	0	246	243	240	0	241	239	240	0	241	239	0	2	0	0	0	2
1200	84	0	84	0	152	0	152	0	0	2	0	2	239	0	239	233	239	0	239	233	234	0	234	231	234	0	234	231	0	2	0	0	0	2
1300	98	0	98	0	166	0	166	0	0	2	0	2	236	0	239	236	236	0	239	236	231	0	236	231	231	0	236	231	0	2	0	0	0	2
1400	111	0	111	0	182	0	182	0	0	2	0	2	237	0	237	230	237	0	237	230	232	0	233	232	232	0	233	232	0	2	0	0	0	2
1500	98	0	98	0	164	0	164	0	0	2	0	2	236	0	237	236	236	0	237	236	232	0	233	232	232	0	233	232	0	2	0	0	0	2
1600	91	0	91	0	165	0	165	0	0	2	0	2	256	0	257	255	256	0	257	255	250	0	251	248	250	0	251	248	0	2	0	0	0	2
1700	55	0	55	0	123	0	123	0	0	2	0	2	270	0	271	270	270	0	271	270	274	0	275	273	274	0	275	273	0	2	0	0	0	2
1800	46	0	46	0	74	0	74	0	0	2	0	2	237	0	250	231	237	0	250	231	239	0	245	235	239	0	245	235	0	2	0	0	0	2
1900	77	0	77	0	166	0	166	0	0	2	0	2	277	0	279	241	277	0	279	241	273	0	274	244	273	0	274	244	0	2	0	0	0	2
2000	60	0	60	0	108	0	108	0	0	2	0	2	16	0	17	16	16	0	17	16	6	0	6	4	6	0	6	4	0	2	0	0	0	2
2100	67	0	67	0	118	0	118	0	0	2	0	2	11	0	12	7	11	0	12	7	4	0	5	4	4	0	5	4	0	2	0	0	0	2
2200	49	0	49	0	91	0	91	0	0	2	0	2	6	0	6	6	6	0	6	6	350	0	357	350	350	0	357	350	0	2	0	0	0	2
2300	58	0	58	0	123	0	123	0	0	2	0	2	28	0	29	19	28	0	29	19	17	0	18	11	17	0	18	11	0	2	0	0	0	2
2400	80	0	80	0	138	0	138	0	0	2	0	2	29	0	29	28	29	0	29	28	22	0	22	21	22	0	22	21	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	835	0	862	0	844	0	842	0	320	2	320	2	11	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
200	824	0	846	0	835	0	833	0	320	2	320	2	13	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
300	828	0	840	0	833	0	829	0	320	2	320	2	5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
400	826	0	842	0	829	0	826	0	320	2	320	2	5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
500	819	0	842	0	822	0	820	0	320	2	320	2	4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
600	808	0	831	0	810	0	806	0	320	2	320	2	2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
700	786	0	811	0	793	0	792	0	320	2	320	2	7	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
800	774	0	790	0	783	0	777	0	320	2	320	2	5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
900	810	0	801	0	811	0	813	0	320	2	320	2	0	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1000	790	0	838	0	799	0	790	0	320	2	320	2	4	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1100	802	0	817	0	820	0	815	0	320	2	320	2	16	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	139	0
1200	804	0	833	0	835	0	833	0	320	2	320	2	31	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	140	0
1300	867	0	855	0	849	0	840	0	320	2	320	2	0	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
1400	840	0	905	0	858	0	841	0	320	2	320	2	13	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
1500	847	0	905	0	871	0	865	0	320	2	320	2	25	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
1600	862	0	885	0	885	0	883	0	320	2	320	2	23	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	142	0
1700	883	0	882	0	885	0	885	0	320	2	320	2	4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
1800	851	0	882	0	876	0	874	0	320	2	320	2	27	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
1900	752	0	849	0	739	0	736	0	320	2	320	2	-11	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
2000	752	0	756	0	747	0	745	0	320	2	320	2	-4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
2100	714	0	732	0	711	0	707	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	142	0
2200	700	0	707	0	693	0	689	0	320	2	320	2	-7	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
2300	730	0	718	0	734	0	732	0	320	2	320	2	5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
2400	729	0	745	0	734	0	725	0	320	2	320	2	0	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	114	0	114	0	175	0	175	0	0	2	0	2	42	0	42	41	42	0	42	41	34	0	34	33	34	0	34	33	0	2	0	0	0	2
200	95	0	95	0	144	0	144	0	0	2	0	2	44	0	45	44	44	0	45	44	38	0	38	36	38	0	38	36	0	2	0	0	0	2
300	72	0	72	0	118	0	118	0	0	2	0	2	46	0	46	44	46	0	46	44	41	0	41	37	41	0	41	37	0	2	0	0	0	2
400	55	0	55	0	114	0	114	0	0	2	0	2	40	0	40	37	40	0	40	37	36	0	36	35	36	0	36	35	0	2	0	0	0	2
500	41	0	41	0	96	0	96	0	0	2	0	2	52	0	52	48	52	0	52	48	45	0	45	41	45	0	45	41	0	2	0	0	0	2
600	60	0	60	0	125	0	125	0	0	2	0	2	53	0	53	53	53	0	53	53	42	0	44	42	42	0	44	42	0	2	0	0	0	2
700	62	0	62	0	108	0	108	0	0	2	0	2	61	0	61	61	61	0	61	61	49	0	51	49	49	0	51	49	0	2	0	0	0	2
800	94	0	94	0	146	0	146	0	0	2	0	2	65	0	65	59	65	0	65	59	59	0	59	53	59	0	59	53	0	2	0	0	0	2
900	94	0	94	0	143	0	143	0	0	2	0	2	69	0	70	69	69	0	70	69	63	0	63	62	63	0	63	62	0	2	0	0	0	2
1000	45	0	45	0	125	2	125	2	0	2	0	2	45	0	71	39	45	0	71	39	89	0	94	64	89	0	94	64	0	2	0	0	0	2
1100	89	0	89	0	131	0	131	0	0	2	0	2	70	0	71	64	70	0	71	64	63	0	64	55	63	0	64	55	0	2	0	0	0	2
1200	85	0	85	0	116	0	116	0	0	2	0	2	59	0	60	30	59	0	60	30	50	0	95	49	50	0	95	49	0	2	0	0	0	2
1300	74	0	74	0	101	0	101	0	0	2	0	2	32	0	35	32	32	0	35	32	21	0	28	21	21	0	28	21	0	2	0	0	0	2
1400	81	0	81	0	136	0	136	0	0	2	0	2	1	0	32	0	1	0	32	0	346	0	17	345	346	0	17	345	0	2	0	0	0	2
1500	92	0	92	0	140	0	140	0	0	2	0	2	6	0	7	2	6	0	7	2	352	0	352	349	352	0	352	349	0	2	0	0	0	2
1600	72	0	72	0	112	0	112	0	0	2	0	2	12	0	12	5	12	0	12	5	354	0	354	354	354	0	354	354	0	2	0	0	0	2
1700	74	0	74	0	115	0	115	0	0	2	0	2	11	0	12	0	11	0	12	0	354	0	354	349	354	0	354	349	0	2	0	0	0	2
1800	73	0	73	0	124	0	124	0	0	2	0	2	4	0	7	3	4	0	7	3	358	0	358	355	358	0	358	355	0	2	0	0	0	2
1900	77	0	77	0	124	0	124	0	0	2	0	2	15	0	15	13	15	0	15	13	7	0	7	1	7	0	7	1	0	2	0	0	0	2
2000	56	0	56	0	95	0	95	0	0	2	0	2	27	0	27	27	27	0	27	27	20	0	21	13	20	0	21	13	0	2	0	0	0	2
2100	43	0	43	0	88	0	88	0	0	2	0	2	32	0	32	31	32	0	32	31	25	0	25	24	25	0	25	24	0	2	0	0	0	2
2200	24	0	24	0	81	0	81	0	0	2	0	2	48	0	51	48	48	0	51	48	34	0	35	34	34	0	35	34	0	2	0	0	0	2
2300	23	0	23	0	89	0	89	0	0	2	0	2	71	0	81	70	71	0	81	70	49	0	49	48	49	0	49	48	0	2	0	0	0	2
2400	28	0	28	0	100	0	100	0	0	2	0	2	68	0	74	68	68	0	74	68	50	0	50	49	50	0	50	49	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	711	0	727	0	709	0	705	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
200	691	0	700	0	691	0	687	0	320	2	320	2	0	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
300	667	0	682	0	673	0	669	0	320	2	320	2	5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
400	640	0	657	0	648	0	646	0	320	2	320	2	9	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
500	626	0	630	0	635	0	631	0	320	2	320	2	9	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
600	626	0	622	0	631	0	628	0	320	2	320	2	4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	142	0
700	649	0	635	0	649	0	658	0	320	2	320	2	0	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
800	684	0	669	0	676	0	684	0	320	2	320	2	-16	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	142	0
900	712	0	694	0	694	0	714	0	320	2	320	2	-18	0	-23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	141	0
1000	738	2	720	0	716	2	730	0	320	2	320	2	-22	2	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1100	759	0	747	0	729	0	743	0	320	2	320	2	-29	0	-31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	100	0
1200	779	0	757	0	750	0	756	0	320	2	320	2	-29	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1300	768	0	756	0	734	0	720	0	320	2	320	2	-36	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1400	729	0	739	0	707	0	682	0	320	2	320	2	-25	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1500	721	0	720	0	712	0	698	0	320	2	320	2	-9	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1600	723	0	732	0	718	0	709	0	320	2	320	2	-7	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1700	705	0	725	0	705	0	696	0	320	2	320	2	-5	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1800	694	0	702	0	698	0	694	0	320	2	320	2	4	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1900	691	0	696	0	700	0	696	0	320	2	320	2	7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2000	675	0	687	0	673	0	671	0	320	2	320	2	2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2100	658	0	667	0	671	0	667	0	320	2	320	2	14	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2200	657	0	658	0	673	0	669	0	320	2	320	2	18	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2300	651	0	649	0	671	0	669	0	320	2	320	2	22	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2400	658	0	649	0	680	0	676	0	320	2	320	2	23	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	24	0	24	0	104	0	104	0	0	2	0	2	90	0	101	90	90.0	0	101	90	72	0	73	70	72	0	73	70	0	2	0	0	0	2
200	32	0	32	0	122	0	122	0	0	2	0	2	91	0	91	86	91	0	91	86	122	0	123	117	122	0	123	117	0	2	0	0	0	2
300	32	0	32	0	112	0	112	0	0	2	0	2	104	0	104	96	104	0	104	96	145	0	151	137	145	0	151	137	0	2	0	0	0	2
400	31	0	31	0	108	0	108	0	0	2	0	2	132	0	132	130	132	0	132	130	146	0	149	145	146	0	149	145	0	2	0	0	0	2
500	47	0	47	0	143	0	143	0	0	2	0	2	152	0	152	150	152	0	152	150	152	0	155	149	152	0	155	149	0	2	0	0	0	2
600	47	0	47	0	143	0	143	0	0	2	0	2	152	0	152	146	152	0	152	146	153	0	155	149	153	0	155	149	0	2	0	0	0	2
700	58	0	58	0	163	0	163	0	0	2	0	2	160	0	160	160	160	0	160	160	156	0	161	153	156	0	161	153	0	2	0	0	0	2
800	64	0	64	0	165	0	165	0	0	2	0	2	163	0	164	158	163	0	164	158	157	0	160	127	157	0	160	127	0	2	0	0	0	2
900	54	0	54	0	153	0	153	0	0	2	0	2	157	0	166	157	157	0	166	157	154	0	161	150	154	0	161	150	0	2	0	0	0	2
1000	46	0	46	0	132	0	132	0	0	2	0	2	157	0	160	157	157	0	160	157	156	0	159	153	156	0	159	153	0	2	0	0	0	2
1100	61	0	61	0	137	0	137	0	0	2	0	2	160	0	163	160	160	0	163	160	155	0	159	151	155	0	159	151	0	2	0	0	0	2
1200	93	0	93	0	166	0	166	0	0	2	0	2	175	0	176	171	175	0	176	171	165	0	175	159	165	0	175	159	0	2	0	0	0	2
1300	73	0	73	0	157	0	157	0	0	2	0	2	167	0	171	166	167	0	171	166	156	0	167	153	156	0	167	153	0	2	0	0	0	2
1400	78	0	78	0	122	0	122	0	0	2	0	2	186	0	186	182	186	0	186	182	173	0	177	168	173	0	177	168	0	2	0	0	0	2
1500	86	0	86	0	112	0	112	0	0	2	0	2	195	0	200	193	195	0	200	193	183	0	189	178	183	0	189	178	0	2	0	0	0	2
1600	72	0	72	0	93	0	93	0	0	2	0	2	213	0	217	204	213	0	217	204	196	0	201	190	196	0	201	190	0	2	0	0	0	2
1700	75	0	75	0	113	0	113	0	0	2	0	2	192	0	201	187	192	0	201	187	179	0	184	173	179	0	184	173	0	2	0	0	0	2
1800	88	0	88	0	117	0	117	0	0	2	0	2	198	0	199	197	198	0	199	197	186	0	190	182	186	0	190	182	0	2	0	0	0	2
1900	79	0	79	0	127	0	127	0	0	2	0	2	193	0	195	192	193	0	195	192	180	0	184	173	180	0	184	173	0	2	0	0	0	2
2000	50	0	50	0	123	0	123	0	0	2	0	2	185	0	185	183	185	0	185	183	175	0	185	172	175	0	185	172	0	2	0	0	0	2
2100	45	0	45	0	119	0	119	0	0	2	0	2	193	0	193	190	193	0	193	190	176	0	179	172	176	0	179	172	0	2	0	0	0	2
2200	60	0	60	0	156	0	156	0	0	2	0	2	195	0	195	187	195	0	195	187	185	0	187	182	185	0	187	182	0	2	0	0	0	2
2300	54	0	54	0	148	0	148	0	0	2	0	2	191	0	193	191	191	0	193	191	185	0	192	181	185	0	192	181	0	2	0	0	0	2
2400	78	0	78	0	164	0	164	0	0	2	0	2	190	0	191	188	190	0	191	188	182	0	184	178	182	0	184	178	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	642	0	642	0	676	0	673	0	320	2	320	2	36	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
200	635	0	626	0	669	0	667	0	320	2	320	2	34	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
300	640	0	617	0	660	0	657	0	320	2	320	2	20	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
400	655	0	637	0	657	0	653	0	320	2	320	2	4	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
500	658	0	655	0	655	0	651	0	320	2	320	2	-4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
600	657	0	657	0	655	0	651	0	320	2	320	2	0	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
700	666	0	658	0	660	0	658	0	320	2	320	2	-4	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
800	675	0	673	0	667	0	666	0	320	2	320	2	-5	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
900	675	0	673	0	671	0	667	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1000	685	0	676	0	680	0	678	0	320	2	320	2	-5	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1100	734	0	703	0	714	0	720	0	320	2	320	2	-20	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1200	770	0	756	0	754	0	750	0	320	2	320	2	-18	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1300	833	0	786	0	802	0	795	0	320	2	320	2	-31	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	97	0
1400	874	0	842	0	835	0	822	0	320	2	320	2	-40	0	-32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1500	891	0	851	0	855	0	844	0	320	2	320	2	-36	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	97	0
1600	849	0	855	0	849	0	844	0	320	2	320	2	-4	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	97	0
1700	898	0	873	0	882	0	883	0	320	2	320	2	-16	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1800	885	0	878	0	873	0	873	0	320	2	320	2	-13	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1900	864	0	871	0	858	0	858	0	320	2	320	2	-4	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2000	829	0	840	0	835	0	831	0	320	2	320	2	5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2100	806	0	811	0	817	0	813	0	320	2	320	2	13	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2200	799	0	792	0	813	0	811	0	320	2	320	2	16	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2300	790	0	781	0	802	0	799	0	320	2	320	2	14	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2400	790	0	790	0	801	0	797	0	320	2	320	2	13	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	70	0	70	0	156	0	156	0	0	2	0	2	192	0	192	192	192	0	192	192	184	0	186	180	184	0	186	180	0	2	0	0	0	2
200	62	0	62	0	180	0	150	0	0	2	0	2	187	0	192	187	187	0	192	187	186	0	186	186	186	0	186	186	0	2	0	0	0	2
300	68	0	68	0	163	0	163	0	0	2	0	2	199	0	200	199	199	0	200	199	196	0	196	196	196	0	196	196	0	2	0	0	0	2
400	62	0	62	0	139	0	139	0	0	2	0	2	200	0	200	198	200	0	200	198	205	0	205	205	205	0	205	205	0	2	0	0	0	2
500	80	0	80	0	154	0	154	0	0	2	0	2	207	0	207	200	207	0	207	200	207	0	207	203	207	0	207	203	0	2	0	0	0	2
600	82	0	82	0	143	0	143	0	0	2	0	2	208	0	209	208	208	0	209	208	206	0	206	206	206	0	206	206	0	2	0	0	0	2
700	89	0	89	0	148	0	148	0	0	2	0	2	212	0	212	210	212	0	212	210	209	0	209	209	209	0	209	209	0	2	0	0	0	2
800	113	0	113	0	187	0	187	0	0	2	0	2	222	0	225	222	222	0	225	222	217	0	219	217	217	0	219	217	0	2	0	0	0	2
900	110	0	110	0	213	0	213	0	0	2	0	2	231	0	231	230	231	0	231	230	226	0	226	224	226	0	226	224	0	2	0	0	0	2
1000	129	0	129	0	227	0	227	0	0	2	0	2	179	0	253	0	179	0	253	0	169	0	231	0	169	0	231	0	0	2	0	0	0	2
1100	162	0	162	0	306	0	306	0	0	2	0	2	244	0	285	189	244	0	285	189	245	0	262	223	245	0	262	223	0	2	0	0	0	2
1200	190	0	190	0	328	0	328	0	0	2	0	2	244	0	270	209	244	0	270	209	232	0	241	210	232	0	241	210	0	2	0	0	0	2
1300	160	0	160	0	272	0	272	0	0	2	0	2	243	0	295	203	243	0	295	203	234	0	243	213	234	0	243	213	0	2	0	0	0	2
1400	167	0	167	0	261	0	261	0	0	2	0	2	246	0	292	215	246	0	292	215	238	0	244	223	238	0	244	223	0	2	0	0	0	2
1500	122	0	122	0	210	0	210	0	0	2	0	2	247	0	285	209	247	0	285	209	237	0	246	226	237	0	246	226	0	2	0	0	0	2
1600	73	0	73	0	114	0	114	0	0	2	0	2	303	0	355	234	303	0	355	234	274	0	308	229	274	0	308	229	0	2	0	0	0	2
1700	62	0	62	0	107	0	107	0	0	2	0	2	313	0	356	255	313	0	356	255	289	0	322	261	289	0	322	261	0	2	0	0	0	2
1800	114	0	114	0	163	0	163	0	0	2	0	2	34	0	90	4	34	0	90	4	334	0	356	313	334	0	356	313	0	2	0	0	0	2
1900	108	0	108	0	163	0	163	0	0	2	0	2	41	0	82	3	41	0	82	3	336	0	358	300	336	0	358	300	0	2	0	0	0	2
2000	80	0	80	0	126	0	126	0	0	2	0	2	38	0	85	332	38	0	85	332	332	0	350	307	332	0	350	307	0	2	0	0	0	2
2100	94	0	94	0	152	0	152	0	0	2	0	2	30	0	90	352	30	0	90	352	330	0	345	311	330	0	345	311	0	2	0	0	0	2
2200	92	0	92	0	152	0	152	0	0	2	0	2	39	0	77	1	39	0	77	1	337	0	351	286	337	0	351	286	0	2	0	0	0	2
2300	81	0	81	0	130	0	130	0	0	2	0	2	46	0	79	21	46	0	79	21	341	0	355	328	341	0	355	328	0	2	0	0	0	2
2400	91	0	91	0	141	0	141	0	0	2	0	2	39	0	78	0	39	0	78	0	336	0	353	316	336	0	353	316	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	799	0	786	0	804	0	801	0	320	2	320	2	7	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
200	790	0	775	0	804	0	802	0	320	2	320	2	18	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
300	815	0	783	0	817	0	813	0	320	2	320	2	4	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
400	817	0	795	0	817	0	815	0	320	2	320	2	2	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
500	819	0	811	0	817	0	813	0	320	2	320	2	0	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
600	811	0	813	0	810	0	808	0	320	2	320	2	0	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
700	822	0	826	0	822	0	819	0	320	2	320	2	0	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
800	817	0	835	0	813	0	815	0	320	2	320	2	-4	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
900	813	0	842	0	826	0	826	0	320	2	320	2	14	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	97	0
1000	817	0	853	0	835	0	840	0	320	2	320	2	18	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	97	0
1100	829	0	824	0	853	0	855	0	320	2	320	2	23	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	97	0
1200	856	0	851	0	880	0	882	0	320	2	320	2	25	0	31	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	97	0
1300	849	0	844	0	867	0	860	0	320	2	320	2	18	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	97	0
1400	858	0	853	0	891	0	880	0	320	2	320	2	34	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	97	0
1500	841	0	826	0	846	0	837	0	320	2	320	2	13	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1600	824	0	820	0	811	0	802	0	320	2	320	2	-14	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	97	0
1700	853	0	849	0	831	0	826	0	320	2	320	2	-20	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1800	828	0	826	0	831	0	829	0	320	2	320	2	4	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1900	783	0	781	0	779	0	777	0	320	2	320	2	-4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2000	743	0	741	0	732	0	730	0	320	2	320	2	-9	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2100	709	0	705	0	711	0	709	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2200	725	0	721	0	734	0	730	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2300	729	0	725	0	738	0	736	0	320	2	320	2	11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2400	720	0	716	0	718	0	714	0	320	2	320	2	2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	113	0	113	0	165	0	165	0	0	2	0	2	37	0	106	11	37	0	106	11	336	0	1	313	336	0	1	313	0	2	0	0	0	2
200	90	0	90	0	127	0	127	0	0	2	0	2	39	0	84	358	39	0	84	358	336	0	355	318	336	0	355	318	0	2	0	0	0	2
300	80	0	80	0	119	0	119	0	0	2	0	2	54	0	91	19	54	0	91	19	49	0	68	31	49	0	68	31	0	2	0	0	0	2
400	92	0	92	0	127	0	127	0	0	2	0	2	47	0	86	359	47	0	86	359	42	0	75	301	42	0	75	301	0	2	0	0	0	2
500	73	0	73	0	108	0	108	0	0	2	0	2	43	0	79	344	43	0	79	344	28	0	56	342	28	0	56	342	0	2	0	0	0	2
600	109	0	109	0	170	0	170	0	0	2	0	2	30	0	79	338	30	0	79	338	17	0	60	354	17	0	60	354	0	2	0	0	0	2
700	108	0	108	0	184	0	184	0	0	2	0	2	26	0	91	304	26	0	91	304	5	0	53	316	5	0	53	316	0	2	0	0	0	2
800	127	0	127	0	187	0	187	0	0	2	0	2	30	0	92	348	30	0	92	348	11	0	37	335	11	0	37	335	0	2	0	0	0	2
900	125	0	125	0	178	0	178	0	0	2	0	2	28	0	69	329	28	0	69	329	16	0	45	337	16	0	45	337	0	2	0	0	0	2
1000	125	0	125	0	185	0	185	0	0	2	0	2	23	0	68	299	23	0	68	299	14	0	45	341	14	0	45	341	0	2	0	0	0	2
1100	115	0	115	0	171	0	171	0	0	2	0	2	24	0	91	327	24	0	91	327	10	0	50	326	10	0	50	326	0	2	0	0	0	2
1200	97	0	97	0	160	0	160	0	0	2	0	2	18	0	80	315	18	0	80	315	2	0	56	299	2	0	56	299	0	2	0	0	0	2
1300	94	0	94	0	168	0	168	0	0	2	0	2	1	0	106	282	1	0	106	282	354	0	56	311	354	0	56	311	0	2	0	0	0	2
1400	81	0	81	0	171	0	171	0	0	2	0	2	10	0	119	292	10	0	119	292	354	0	55	313	354	0	55	313	0	2	0	0	0	2
1500	61	0	61	0	154	0	154	0	0	2	0	2	11	0	117	277	11	0	117	277	353	0	58	271	353	0	58	271	0	2	0	0	0	2
1600	106	0	106	0	174	0	174	0	0	2	0	2	25	0	74	329	25	0	74	329	3	0	32	326	3	0	32	326	0	2	0	0	0	2
1700	108	0	108	0	186	0	186	0	0	2	0	2	25	0	68	288	25	0	68	288	9	0	39	335	9	0	39	335	0	2	0	0	0	2
1800	131	0	131	0	191	0	191	0	0	2	0	2	25	0	73	336	25	0	73	336	9	0	40	331	9	0	40	331	0	2	0	0	0	2
1900	110	0	110	0	166	0	166	0	0	2	0	2	26	0	89	314	26	0	89	314	18	0	50	354	18	0	50	354	0	2	0	0	0	2
2000	110	0	110	0	169	0	169	0	0	2	0	2	32	0	87	346	32	0	87	346	18	0	46	357	18	0	46	357	0	2	0	0	0	2
2100	129	0	129	0	174	0	174	0	0	2	0	2	32	0	74	352	32	0	74	352	18	0	37	351	18	0	37	351	0	2	0	0	0	2
2200	101	0	101	0	162	0	162	0	0	2	0	2	38	0	90	338	38	0	90	338	28	0	50	340	28	0	50	340	0	2	0	0	0	2
2300	99	0	99	0	146	0	146	0	0	2	0	2	43	0	114	11	43	0	114	11	35	0	59	6	35	0	59	6	0	2	0	0	0	2
2400	91	0	91	0	138	0	138	0	0	2	0	2	50	0	108	13	50	0	108	13	43	0	66	21	43	0	66	21	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	691	0	687	0	687	0	685	0	320	2	320	2	-4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
200	675	0	671	0	671	0	669	0	320	2	320	2	-4	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
300	646	0	644	0	651	0	651	0	320	2	320	2	5	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
400	633	0	631	0	637	0	631	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
300	619	0	615	0	621	0	619	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
500	621	0	617	0	613	0	612	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
700	612	0	612	0	599	0	610	0	320	2	320	2	-11	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
800	597	0	597	0	586	0	586	0	320	2	320	2	-11	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
900	597	0	595	0	588	0	588	0	320	2	320	2	-9	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1000	622	0	622	0	606	0	617	0	320	2	320	2	-16	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1100	624	0	624	0	612	0	615	0	320	2	320	2	-16	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1200	639	0	639	0	617	0	622	0	320	2	320	2	-22	0	-16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1300	649	0	649	0	615	0	615	0	320	2	320	2	-32	0	-34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1400	660	0	660	0	631	0	621	0	320	2	320	2	-29	0	-38	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1500	671	0	673	0	646	0	635	0	320	2	320	2	-25	0	-36	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1600	658	0	658	0	646	0	642	0	320	2	320	2	-11	0	-14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1700	644	0	644	0	635	0	633	0	320	2	320	2	-9	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1800	635	0	633	0	631	0	630	0	320	2	320	2	-4	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1900	631	0	630	0	630	0	630	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2000	624	0	622	0	621	0	621	0	320	2	320	2	-4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2100	622	0	621	0	619	0	619	0	320	2	320	2	-4	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2200	622	0	619	0	621	0	619	0	320	2	320	2	-2	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
23	621	0	617	0	621	0	619	0	320	2	320	2	0	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
24	621	0	617	0	622	0	621	0	320	2	320	2	4	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0

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

REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	67	0	67	0	117	0	117	0	0	2	0	2	58	0	95	22	58	0	95	22	52	0	69	36	52	0	69	36	0	2	0	0	0	2
200	72	0	72	0	129	0	129	0	0	2	0	2	82	0	114	57	82	0	114	57	65	0	85	50	65	0	85	50	0	2	0	0	0	2
300	68	0	68	0	131	0	131	0	0	2	0	2	83	0	101	68	83	0	101	68	67	0	74	61	67	0	74	61	0	2	0	0	0	2
400	67	0	67	0	121	0	121	0	0	2	0	2	56	0	84	23	56	0	84	23	58	0	64	53	58	0	64	53	0	2	0	0	0	2
500	70	0	70	0	119	0	119	0	0	2	0	2	48	0	94	25	48	0	94	25	48	0	59	28	48	0	59	28	0	2	0	0	0	2
600	63	0	63	0	110	0	110	0	0	2	0	2	55	0	83	32	55	0	83	32	54	0	61	43	54	0	61	43	0	2	0	0	0	2
700	48	0	48	0	77	0	77	0	0	2	0	2	51	0	85	337	51	0	85	337	41	0	60	317	41	0	60	317	0	2	0	0	0	2
800	37	0	37	0	50	0	50	0	0	2	0	2	56	0	118	4	56	0	118	4	58	0	105	14	58	0	105	14	0	2	0	0	0	2
900	43	0	43	0	54	0	54	0	0	2	0	2	354	0	97	270	354	0	97	270	8	0	64	316	8	0	64	316	0	2	0	0	0	2
1000	46	0	46	0	65	0	65	0	0	2	0	2	346	0	164	279	346	0	164	279	359	0	46	297	359	0	46	297	0	2	0	0	0	2
1100	53	0	53	0	106	0	106	0	0	2	0	2	8	0	132	277	8	0	132	277	0	0	41	280	0	0	41	280	0	2	0	0	0	2
1200	65	0	65	0	107	0	107	0	0	2	0	2	14	0	143	270	14	0	143	270	2	0	140	303	2	0	140	303	0	2	0	0	0	2
1300	106	0	106	0	143	0	143	0	0	2	0	2	28	0	125	338	28	0	125	338	12	0	53	333	12	0	53	333	0	2	0	0	0	2
1400	65	0	65	0	114	0	114	0	0	2	0	2	353	0	144	282	353	0	144	282	352	0	41	297	352	0	41	297	0	2	0	0	0	2
1500	53	0	53	0	102	0	102	0	0	2	0	2	355	0	166	275	355	0	166	275	354	0	41	306	354	0	41	306	0	2	0	0	0	2
1600	58	0	58	0	107	0	107	0	0	2	0	2	1	0	130	273	1	0	130	273	352	0	51	295	352	0	51	295	0	2	0	0	0	2
1700	67	0	67	0	105	0	105	0	0	2	0	2	347	0	34	298	347	0	34	298	348	0	29	311	348	0	29	311	0	2	0	0	0	2
1800	47	0	47	0	84	0	84	0	0	2	0	2	17	0	84	307	17	0	84	307	2	0	50	314	2	0	50	314	0	2	0	0	0	2
1900	45	0	45	0	63	0	63	0	0	2	0	2	33	0	98	339	33	0	98	339	9	0	94	293	9	0	94	293	0	2	0	0	0	2
2000	28	0	28	0	46	0	46	0	0	2	0	2	356	3	32	297	356	3	32	297	356	0	16	342	356	0	16	342	0	2	0	0	0	2
2100	35	0	35	0	80	0	80	0	0	2	0	2	68	0	85	51	68	0	85	51	40	0	44	33	40	0	44	33	0	2	0	0	0	2
2200	52	0	52	0	94	0	94	0	0	2	0	2	96	0	111	84	96	0	111	84	65	0	73	58	65	0	73	58	0	2	0	0	0	2
2300	56	0	56	0	92	0	92	0	0	2	0	2	120	0	134	111	120	0	134	111	80	0	84	74	80	0	84	74	0	2	0	0	0	2
2400	47	0	47	0	70	0	70	0	0	2	0	2	135	0	142	127	135	0	142	127	87	0	92	82	87	0	92	82	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	595	0	594	0	613	0	612	0	320	2	320	2	20	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
200	585	0	583	0	599	0	597	0	320	2	320	2	16	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
300	570	0	568	0	587	0	587	0	320	2	320	2	29	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
400	554	0	554	0	595	0	592	0	320	2	320	2	41	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
500	567	0	565	0	586	0	585	0	320	2	320	2	22	0	22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
600	565	0	565	0	579	0	577	0	320	2	320	2	14	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
700	559	0	558	0	574	0	572	0	320	2	320	2	9	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
800	615	0	615	0	601	0	633	0	320	2	320	2	-16	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
900	628	0	626	0	622	0	649	0	320	2	320	2	-9	0	23	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1000	655	0	655	0	631	0	657	0	320	2	320	2	-23	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1100	657	0	658	0	622	0	633	0	320	2	320	2	-34	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1200	667	0	667	0	633	0	640	0	320	2	320	2	-31	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1300	658	0	660	0	637	0	630	0	320	2	320	2	-20	0	-29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1400	678	0	678	0	648	0	624	0	320	2	320	2	-34	0	-52	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1500	684	0	684	0	658	0	639	0	320	2	320	2	-27	0	-45	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1600	682	0	684	0	664	0	657	0	320	2	320	2	-18	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1700	662	0	662	0	658	0	657	0	320	2	320	2	-2	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1800	660	0	660	0	664	0	667	0	320	2	320	2	4	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1700	651	0	651	0	669	0	669	0	320	2	320	2	14	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
2000	622	0	621	0	630	0	630	0	320	2	320	2	7	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2100	585	0	585	0	631	0	633	0	320	2	320	2	47	0	50	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2200	601	0	599	0	639	0	637	0	320	2	320	2	38	0	40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2300	606	0	603	0	649	0	648	0	320	2	320	2	43	0	43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
2400	617	0	613	0	664	0	662	0	320	2	320	2	49	0	47	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	34	0	34	0	25	0	25	0	0	2	0	2	257	0	276	241	257	0	276	241	185	0	248	141	185	0	248	141	0	2	0	0	0	2
200	58	0	58	0	69	0	69	0	0	2	0	2	255	0	274	236	255	0	274	236	264	0	274	257	264	0	274	257	0	2	0	0	0	2
300	62	0	62	0	108	0	108	0	0	2	0	2	242	0	266	163	242	0	266	163	256	0	261	235	256	0	261	235	0	2	0	0	0	2
400	65	0	65	0	90	0	90	0	0	2	0	2	247	0	275	214	247	0	275	214	250	0	254	238	250	0	254	238	0	2	0	0	0	2
500	37	0	37	0	77	0	77	0	0	2	0	2	234	0	275	185	234	0	275	185	239	0	250	216	239	0	250	216	0	2	0	0	0	2
600	29	0	29	0	61	0	61	0	0	2	0	2	220	0	263	148	220	0	263	148	245	0	261	216	245	0	261	216	0	2	0	0	0	2
700	37	0	37	0	84	0	84	0	0	2	0	2	228	0	302	191	228	0	302	191	239	0	253	232	239	0	253	232	0	2	0	0	0	2
800	26	0	26	0	31	0	31	0	0	2	0	2	233	3	305	184	233	3	305	184	233	0	304	184	233	0	304	184	0	2	0	0	0	2
900	36	0	36	0	45	0	45	0	0	2	0	2	240	0	315	199	240	0	315	199	224	0	263	166	224	0	263	166	0	2	0	0	0	2
1000	50	0	50	0	69	0	69	0	0	2	0	2	246	0	308	199	246	0	308	199	237	0	264	212	237	0	264	212	0	2	0	0	0	2
1100	69	0	69	0	87	0	87	0	0	2	0	2	245	0	305	195	245	0	305	195	243	0	259	204	243	0	259	204	0	2	0	0	0	2
1200	62	0	62	0	91	0	91	0	0	2	0	2	250	0	287	219	250	0	287	219	248	0	268	218	248	0	268	218	0	2	0	0	0	2
1300	58	0	58	0	90	0	90	0	0	2	0	2	247	0	285	194	247	0	285	194	245	0	252	224	245	0	252	224	0	2	0	0	0	2
1400	32	0	32	0	41	0	41	0	0	2	0	2	244	0	322	185	244	0	322	185	235	0	263	170	235	0	263	170	0	2	0	0	0	2
1500	27	0	27	0	35	0	35	0	0	2	0	2	300	3	359	240	300	3	359	240	319	0	55	270	319	0	55	270	0	2	0	0	0	2
1600	61	0	61	0	89	0	89	0	0	2	0	2	75	0	110	29	75	0	110	29	70	0	111	40	70	0	111	40	0	2	0	0	0	2
1700	123	0	123	0	178	0	178	0	0	2	0	2	81	0	128	13	81	0	128	13	68	0	91	294	68	0	91	294	0	2	0	0	0	2
1800	113	0	113	0	168	0	168	0	0	2	0	2	98	0	146	63	98	0	146	63	88	0	115	69	88	0	115	69	0	2	0	0	0	2
1900	92	0	92	0	148	0	148	0	0	2	0	2	110	0	138	85	110	0	138	85	103	0	130	87	103	0	130	87	0	2	0	0	0	2
2000	80	0	80	0	125	0	125	0	0	2	0	2	116	0	143	88	116	0	143	88	108	0	115	95	108	0	115	95	0	2	0	0	0	2
2100	80	0	80	0	135	0	135	0	0	2	0	2	104	0	133	80	104	0	133	80	97	0	118	84	97	0	118	84	0	2	0	0	0	2
2200	51	0	51	0	96	0	96	0	0	2	0	2	114	0	142	84	114	0	142	84	107	0	112	102	107	0	112	102	0	2	0	0	0	2
2300	34	0	34	0	65	0	65	0	0	2	0	2	123	0	144	87	123	0	144	87	121	0	129	105	121	0	129	105	0	2	0	0	0	2
2400	36	0	36	0	54	0	54	0	0	2	0	2	83	0	114	8	83	0	114	8	108	0	254	101	108	0	254	101	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	583	0	583	0	631	0	630	0	320	2	320	2	49	0	49	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
200	594	0	594	0	615	0	612	0	320	2	320	2	20	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
300	588	0	588	0	617	0	617	0	320	2	320	2	29	0	29	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
400	608	0	606	0	631	0	631	0	320	2	320	2	25	0	25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
500	604	0	603	0	615	0	613	0	320	2	320	2	11	0	13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
600	601	0	601	0	626	0	626	0	320	2	320	2	27	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
700	601	0	599	0	666	0	658	0	320	2	320	2	56	0	59	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
800	671	0	669	0	658	0	684	0	320	2	320	2	-13	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
900	703	0	700	0	687	0	703	0	320	2	320	2	-16	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1000	694	0	689	0	680	0	682	0	320	2	320	2	-16	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1100	714	0	709	0	702	0	705	0	320	2	320	2	-16	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1200	718	0	714	0	712	0	712	0	320	2	320	2	-5	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1300	743	0	739	0	727	0	727	0	320	2	320	2	-14	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1400	754	0	752	0	748	0	752	0	320	2	320	2	-5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1500	768	0	765	0	757	0	757	0	320	2	320	2	-11	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1600	730	0	729	0	720	0	718	0	320	2	320	2	-11	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	98	0
1700	649	0	648	0	649	0	640	0	320	2	320	2	-2	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	99	0
1800	599	0	597	0	585	0	576	0	320	2	320	2	-13	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	104	0
1900	594	0	590	0	583	0	577	0	320	2	320	2	-9	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	109	0
2000	595	0	594	0	588	0	581	0	320	2	320	2	-7	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	116	0
2100	597	0	595	0	599	0	585	0	320	2	320	2	4	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
2200	603	0	601	0	617	0	599	0	320	2	320	2	14	0	-2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	121	0
2300	608	0	606	0	619	0	621	0	320	2	320	2	13	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0
2400	604	0	603	0	615	0	615	0	320	2	320	2	13	0	14	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	120	0

STATUS CODE(S) DEFINITIONS: 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE 1 DEGREES, SPEED 1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	58	0	58	0	94	0	94	0	0	2	0	2	31	0	74	328	31	0	74	328	20	0	47	341	20	0	47	341	0	2	0	0	0	2
200	58	0	58	0	96	0	96	0	0	2	0	2	49	0	84	287	49	0	84	287	43	0	74	328	43	0	74	328	0	2	0	0	0	2
300	38	0	38	0	68	0	68	0	0	2	0	2	4	0	57	295	4	0	57	295	18	0	36	1	18	0	36	1	0	2	0	0	0	2
400	56	0	66	0	107	0	107	0	0	2	0	2	47	0	80	358	47	0	80	358	38	0	54	18	38	0	54	18	0	2	0	0	0	2
500	76	0	76	0	118	0	118	0	0	2	0	2	84	0	116	42	84	0	116	42	71	0	88	53	71	0	88	53	0	2	0	0	0	2
600	48	0	48	0	77	0	77	0	0	2	0	2	97	0	134	71	97	0	134	71	83	0	105	61	83	0	105	61	0	2	0	0	0	2
700	37	0	37	0	51	0	51	0	0	2	0	2	95	0	142	49	95	0	142	49	85	0	105	63	85	0	105	63	0	2	0	0	0	2
800	52	0	52	0	65	0	65	0	0	2	0	2	100	0	122	78	100	0	122	78	99	0	111	80	99	0	111	80	0	2	0	0	0	2
900	48	0	48	0	66	0	66	0	0	2	0	2	102	0	150	51	102	0	150	51	92	0	120	69	92	0	120	69	0	2	0	0	0	2
1000	42	0	42	0	53	0	53	0	0	2	0	2	111	0	167	52	111	0	167	52	106	0	146	36	106	0	146	36	0	2	0	0	0	2
1100	33	0	33	0	46	0	46	0	0	2	0	2	354	0	149	271	354	0	149	271	19	0	139	277	19	0	139	277	0	2	0	0	0	2
1200	57	0	57	0	96	0	96	0	0	2	0	2	15	0	170	275	15	0	170	275	8	0	53	297	8	0	53	297	0	2	0	0	0	2
1300	123	0	123	0	169	0	169	0	0	2	0	2	25	0	85	321	25	0	85	321	16	0	45	346	16	0	45	346	0	2	0	0	0	2
1400	133	0	133	0	192	0	192	0	0	2	0	2	24	0	70	339	24	0	70	339	13	0	49	331	13	0	49	331	0	2	0	0	0	2
1500	122	0	122	0	176	0	176	0	0	2	0	2	27	0	78	342	27	0	78	342	17	0	55	337	17	0	55	337	0	2	0	0	0	2
1600	129	0	129	0	183	0	183	0	0	2	0	2	26	0	66	350	26	0	66	350	13	0	42	323	13	0	42	323	0	2	0	0	0	2
1700	118	0	118	0	176	0	176	0	0	2	0	2	26	0	82	339	26	0	82	339	12	0	39	339	12	0	39	339	0	2	0	0	0	2
1800	119	0	119	0	175	0	175	0	0	2	0	2	24	0	63	346	24	0	63	346	12	0	44	339	12	0	44	339	0	2	0	0	0	2
1900	110	0	110	0	162	0	162	0	0	2	0	2	34	0	82	337	34	0	82	337	21	0	50	356	21	0	50	356	0	2	0	0	0	2
2000	104	0	104	0	157	0	157	0	0	2	0	2	36	0	91	356	36	0	91	356	24	0	43	5	24	0	43	5	0	2	0	0	0	2
2100	78	0	78	0	128	0	128	0	0	2	0	2	35	0	85	352	35	0	85	352	27	0	54	7	27	0	54	7	0	2	0	0	0	2
2200	77	0	77	0	131	0	131	0	0	2	0	2	35	0	74	12	35	0	74	12	27	0	39	13	27	0	39	13	0	2	0	0	0	2
2300	110	0	110	0	165	0	165	0	0	2	0	2	47	0	83	12	47	0	83	12	33	0	61	2	33	0	61	2	0	2	0	0	0	2
2400	122	0	122	0	171	0	171	0	0	2	0	2	49	0	96	13	49	0	96	13	40	0	80	15	40	0	80	15	0	2	0	0	0	2

HOUR	AMB TEM1 30 A	S	AMB TEM2 30 B	S	AMB TEM3 130A	S	AMB TEM4 130B	S	AMB TEM5	S	AMB TEMP6	S	D T 1 180A	S	D T 2 180B	S	D T 3	S	D T 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	595	0	594	0	603	0	601	0	320	2	320	2	7	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
200	597	0	595	0	597	0	597	0	320	2	320	2	2	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
300	603	0	599	0	603	0	601	0	320	2	320	2	0	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
400	595	0	594	0	590	0	586	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
500	595	0	594	0	590	0	588	0	320	2	320	2	-4	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
600	597	0	595	0	592	0	590	0	320	2	320	2	-5	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
700	604	0	603	0	597	0	595	0	320	2	320	2	-5	0	-7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
800	608	0	606	0	603	0	603	0	320	2	320	2	-5	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
900	617	0	615	0	610	0	612	0	320	2	320	2	-7	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
1000	646	0	644	0	642	0	646	0	320	2	320	2	-5	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
1100	657	0	653	0	667	0	673	0	320	2	320	2	11	0	20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
1200	691	0	691	0	680	0	678	0	320	2	320	2	-14	0	-11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
1300	671	0	673	0	655	0	644	0	320	2	320	2	-18	0	-25	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
1400	653	0	653	0	639	0	630	0	320	2	320	2	-14	0	-22	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
1500	649	0	651	0	637	0	630	0	320	2	320	2	-11	0	-20	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
1600	635	0	635	0	633	0	621	0	320	2	320	2	-4	0	-13	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1700	626	0	628	0	628	0	622	0	320	2	320	2	2	0	-4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1800	617	0	617	0	622	0	619	0	320	2	320	2	5	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1900	610	0	608	0	613	0	612	0	320	2	320	2	5	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2000	595	0	594	0	599	0	597	0	320	2	320	2	4	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
2100	581	0	579	0	583	0	585	0	320	2	320	2	2	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2200	579	0	576	0	585	0	586	0	320	2	320	2	5	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
2300	585	0	583	0	588	0	588	0	320	2	320	2	4	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2400	603	0	599	0	604	0	604	0	320	2	320	2	4	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0

STATUS CODE(S) DEFINITIONS. 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION: TEMPERATURE .1 DEGREES, SPEED .1MPH, 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	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	77	0	77	0	121	0	121	0	0	2	0	2	71	0	105	39	71	0	105	39	60	0	79	36	60	0	79	36	0	2	0	0	0	2
200	72	0	72	0	123	0	123	0	0	2	0	2	72	0	123	22	72	0	123	22	62	0	72	47	62	0	72	47	0	2	0	0	0	2
300	42	0	42	0	69	0	69	0	0	2	0	2	67	0	97	11	67	0	97	11	61	0	74	47	61	0	74	47	0	2	0	0	0	2
400	52	0	52	0	99	0	99	0	0	2	0	2	60	0	97	35	60	0	97	35	54	0	67	44	54	0	67	44	0	2	0	0	0	2
500	49	0	49	0	92	0	92	0	0	2	0	2	55	0	91	21	55	0	91	21	52	0	64	39	52	0	64	39	0	2	0	0	0	2
600	57	0	57	0	102	0	102	0	0	2	0	2	74	0	109	49	74	0	109	49	61	0	69	52	61	0	69	52	0	2	0	0	0	2
700	66	0	66	0	90	0	90	0	0	2	0	2	72	0	117	30	72	0	117	30	60	0	91	298	60	0	91	298	0	2	0	0	0	2
800	49	0	49	0	69	0	69	0	0	2	0	2	75	0	132	18	75	0	132	18	73	0	102	45	73	0	102	45	0	2	0	0	0	2
900	57	0	57	0	75	0	75	0	0	2	0	2	96	0	138	57	96	0	138	57	82	0	139	32	82	0	139	32	0	2	0	0	0	2
1000	46	0	46	0	67	0	67	0	0	2	0	2	339	0	85	282	339	0	85	282	19	0	71	286	19	0	71	286	0	2	0	0	0	2
1100	80	0	80	0	107	0	107	0	0	2	0	2	342	0	40	276	342	0	40	276	355	0	20	321	355	0	20	321	0	2	0	0	0	2
1200	60	0	60	0	112	0	112	0	0	2	0	2	359	0	94	293	359	0	94	293	359	0	44	287	359	0	44	287	0	2	0	0	0	2
1300	80	0	80	0	156	0	156	0	0	2	0	2	5	0	66	304	5	0	66	304	0	0	39	321	0	0	39	321	0	2	0	0	0	2
1400	93	0	93	0	163	0	163	0	0	2	0	2	15	0	65	316	15	0	65	316	4	0	30	339	4	0	30	339	0	2	0	0	0	2
1500	113	0	113	0	166	0	166	0	0	2	0	2	25	0	103	307	25	0	103	307	8	0	37	311	8	0	37	311	0	2	0	0	0	2
1600	113	0	113	0	159	0	159	0	0	2	0	2	29	0	89	344	29	0	89	344	10	0	46	332	10	0	46	332	0	2	0	0	0	2
1700	106	0	106	0	157	0	157	0	0	2	0	2	27	0	74	358	27	0	74	358	9	0	53	335	9	0	53	335	0	2	0	0	0	2
1800	110	0	110	0	151	0	151	0	0	2	0	2	34	0	107	0	34	0	107	0	17	0	54	340	17	0	54	340	0	2	0	0	0	2
1900	92	0	92	0	129	0	129	0	0	2	0	2	37	0	79	343	37	0	79	343	23	0	54	357	23	0	54	357	0	2	0	0	0	2
2000	73	0	73	0	103	0	103	0	0	2	0	2	29	0	85	357	29	0	85	357	18	0	54	348	18	0	54	348	0	2	0	0	0	2
2100	84	0	84	0	135	0	135	0	0	2	0	2	32	0	78	337	32	0	78	337	21	0	48	353	21	0	48	353	0	2	0	0	0	2
2200	70	0	70	0	119	0	119	0	0	2	0	2	37	0	93	1	37	0	93	1	24	0	54	354	24	0	54	354	0	2	0	0	0	2
2300	75	0	75	0	124	0	124	0	0	2	0	2	33	0	77	3	33	0	77	3	20	0	43	358	20	0	43	358	0	2	0	0	0	2
2400	66	0	66	0	122	0	122	0	0	2	0	2	29	0	81	350	29	0	81	350	24	0	53	4	24	0	53	4	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	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	568	0	567	0	576	0	576	0	320	2	320	2	9	0	11	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
200	545	0	543	0	561	0	559	0	320	2	320	2	16	0	18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
300	514	0	513	0	538	0	538	0	320	2	320	2	25	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
400	491	0	489	0	523	0	523	0	320	2	320	2	32	0	34	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
500	482	0	482	0	513	0	513	0	320	2	320	2	31	0	32	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
600	484	0	484	0	511	0	511	0	320	2	320	2	29	0	27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
700	523	0	523	0	529	0	538	0	320	2	320	2	4	0	16	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
800	583	0	583	0	565	0	568	0	320	2	320	2	-18	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	123	0
900	624	0	622	0	601	0	624	0	320	2	320	2	-25	0	2	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1000	644	0	642	0	631	0	649	0	320	2	320	2	-14	0	7	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1100	592	0	590	0	585	0	585	0	320	2	320	2	-9	0	-5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1200	619	0	619	0	594	0	592	0	320	2	320	2	-31	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1300	631	0	631	0	601	0	588	0	320	2	320	2	-36	0	-43	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1400	628	0	630	0	610	0	590	0	320	2	320	2	-22	0	-40	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1500	624	0	626	0	613	0	599	0	320	2	320	2	-13	0	-27	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1600	630	0	630	0	628	0	612	0	320	2	320	2	-7	0	-18	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1700	621	0	621	0	617	0	613	0	320	2	320	2	-2	0	-9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1800	615	0	615	0	621	0	613	0	320	2	320	2	4	0	0	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
1900	606	0	604	0	612	0	610	0	320	2	320	2	7	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2000	586	0	585	0	588	0	588	0	320	2	320	2	4	0	4	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2100	579	0	576	0	579	0	581	0	320	2	320	2	2	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2200	577	0	576	0	579	0	579	0	320	2	320	2	2	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2300	574	0	572	0	577	0	576	0	320	2	320	2	4	0	5	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0
2400	570	0	567	0	574	0	574	0	320	2	320	2	5	0	9	0	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	122	0

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

APPENDIX 3

PROCESS CONTROL PROGRAM (PCP) CHANGES

INDIANA MICHIGAN POWER

Form 5326

DONALD C. COOK NUCLEAR PLANT

PROCEDURE COVER SHEET

Procedure No.12 PMP 3150 PCP.001

Revision No. 9

TITLE RADIOACTIVE WASTE PROCESS CONTROL MANUAL

UNCONTROLLED DOCUMENT

SCOPE OF REVISION

Rev. 9 Major Revision

1) This constitutes a two year review.
2) Incorporates the Duratek Demineralization System and associated referenced procedures.
3) Makes minor corrections to the text and attachments.
4) Incorporates a mixed waste sampling program.
5) Updates 10 CFR 61 concentrations and scaling factors.

SIGNATURES	REVISION NUMBER			
• • • • • •	REV. 9			
PREPARED BY	OF			
DEPARTMENT HEAD APPROVAL				
INTERFACING DEPARTMENT HEAD CONCURRENCE	NA NA NA			
QUALITY ASSURANCE SUPERVISOR APPROVAL				
PLANT NUCLEAR SAFETY COMMITTEE	Mtg #2131			
PLANT MANAGER APPROVAL				
APPROVAL DATE	2-18-88			
EFFECTIVE DATE	2-19-88			

LIST OF EFFECTIVE PAGES

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INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT

RADIOACTIVE WASTE PROCESS CONTROL PROGRAM

1.0 OBJECTIVE

This manual is to give the necessary directions to insure that all plant generated radioactive wastes are transferred, packaged and shipped such that radioactive waste shipment and burial regulations are satisfied. Portions of this procedure may be completed as necessary.

2.0 REFERENCES

2.1 Code of Federal Regulations Title 49

2.2 Code of Federal Regulations Title 10

2.3 NRC Radioactive Material License No. 12-13536-01

2.4 State of South Carolina, Radioactive Materials License No. .097.

2.5 NRC Radioactive Materials License No. 12-20378-01.

2.6 Technical Specifications, Appendix A to License No. DPR-58.

2.7 Technical Specifications, Appendix A to License No. DPR-74.

2.8 U.S. Ecology Incorporated, State of Nevada, Department of Human Resources, Division of Health, Radioactive Materials License No. 13-11-0043-02.

2.9 NRC Radioactive Materials License No. 29-21348-01

2.10 U.S. Ecology, Incorporated, State of Washington Radioactive Materials License No. WN-I019-02.

2.11 U.S. Ecology Incorporated, NRC, Washington License 16-19204-01.

2.12 NRC Technical Position on Waste Form

2.13 NRC Additional Guidance on the Implementation of 10 CFR 61.

2.14 AIF/NESP Methodologies for Classification of Low-Level Radioactive Waste from Nuclear Power Plants

2.15 Impell August 1984 Radionuclide Correlations in Low-Level Radwaste

2.16 Application to transport "Large Quantity" shipments of radioactive material in Michigan should be made pursuant to the requirements of R29.553 of Act No. 207 of the Public Acts of 1941, as amended, being 29.3C of the Michigan Compiled Laws (Department of State Police - State Fire Safety Board) and Section 9 of Act No. 380 of the Public Acts of 1965, as amended, and Sections 2226, 2233, and 13521 of Act No. 368 of the Public Acts of 1978, as amended, being § 16.109, 333.2226, 333.2233 and 333.13521 of the Michigan Compiled Laws (Michigan Department of Public Health).

2.17 Oregon Administrative Rules Chapter 345 Division 60 for the Oregon Radioactive Materials Transport Permit requirements

2.18 Westinghouse Hittman Nuclear and Development Corporation Radwaste Handling Service Manuals.

2.19 Chem Nuclear Radwaste Handling Service Manuals.

2.20 12 OHP 4021.022.008

2.21 1 OHP 4021.022.009

2.22 12 THP 6010 RAD.304, Revision 8

2.23 12 THP 6010 RAD.303

2.24 12 THP 6010 ENV.021

2.25 12 THP 6010 ENV.005

2.26 PMI 3150, Rev. 5

2.27 Request by South Carolina DHEC dated August 22, 1983

2.28 12 THP 6010 ENV.020

2.29 IE Information Notice No. 87-03

2.30 Radwaste Characterization for Drums and Boxes of Dry Active Waste, GA Technologies, March, 1987.

2.31 PMI 2160

2.32 Code of Federal Regulations, Title 40

2.33 Low-Level Radioactive Waste Policy Amendments Act of 1980.

2.34 12 THP 6010 ENV.022

2.35 12 THP 6010 ENV.023

3.0 PRECAUTIONS

3.1 No oil or petroleum products will be poured into any Auxiliary Building floor drains. All oils removed from any pump, etc. in the Auxiliary Building or containment area must be placed into a container, and removed from the area. All spills must be kept from entering floor drains and must be cleaned up immediately.

3.2 No package will be loaded for shipment if it has any indication of a hole, failure, or weak spot. Any package which has an opening or weak spot must be labeled "Do Not Ship." Particular attention will be paid to welds, insuring no holes, failures or weak spots exist. Any package which has a hole, failure or weak spot and is marked "Do Not Ship" will be placed in a larger package for shipment or will be emptied and cut up or crushed prior to placing in a package for shipment.

3.3 The use of any epoxy materials to seal any openings in package for shipment of radioactive material is strictly prohibited.

3.4 The shipment of 1000 gallon and 1500 gallon tanks manufactured by Highland Tank Co., for radioactive waste is strictly prohibited.

3.5 No Type B fissile class radioactive material shipments shall be made without an approved procedure for fissile class Type B shipments.

3.6 Consideration has been given to our waste management program to ensure that actions have been implemented to segregate hazardous waste as defined by the EPA regulations, from low-level radioactive waste.

3.7 The use of temporary shielding (such as metal shoring or lead sheets) banded or attached to the package so as to conform to applicable regulatory limits for external radiation is not authorized unless it is specifically provided for in the Certificate of Compliance issued by the NRC.

3.8 The specific activity of dewatered resins shall not exceed 350 µCi/cc of isotopes having greater than five year half-lives.

3.9 Those absorbents listed below have been approved for general use in packaging and/or processing radioactive liquids with materials that may contain a quantity of liquid that requires absorbing:
Superfine, Speedi-Dri, Instant-Dri, Safe-T-Sorb, Safe-N-Dri.

3.10 For any drum with contents other than filters placed in the 587' drumming room high level storage area, Attachment XXVIII must be filled out.

3.11 Scintillation fluids containing low levels of radioactive materials shall be considered mixed waste and can not be shipped for burial.

4.0 CHECK OFF AND INFORMATION SHEETS

4.1 Attachment I, Truck/Trailer Inspection Check-Off Sheet

4.2 Attachment IA, Truck/Van Inspection Check-Off Sheet

4.3 Attachment II, Cement Solidification Verification Log

4.4 Attachment III, Cement Waste Solidification Data Sheet

4.5 Attachment IV, Solidification Data Tables

4.6 Attachment V, Waste Management Simple Flow Diagram

4.7 Attachment VI, Responsibilities by Waste Type

4.8 Attachment VII, U.S. Ecology, Inc. Radioactive Shipping Record

4.9 Attachment VIII, Chem Nuclear Systems, Inc., Radioactive Shipping Record

4.10 Attachment IX, Washington Low Level Radioactive Waste Shipment Certification

4.11 Attachment X, Nevada Low Level Radioactive Waste Shipment Certification

4.12 Attachment XI, Nevada Certification

4.13 Attachment XII, Instructions to Drivers of Exclusive Use Vehicles

4.14 Attachment XIII, Michigan Public Health/Indiana State Police Notification Forms

4.15 Attachment XIV, Radioactive Waste Truck Radiation/ Contamination Survey

4.16 Attachment XV, South Carolina Radioactive Waste Shipment Certification Form

4.17 Attachment XVI, South Carolina Prior Notification and Manifest Form

4.18 Attachment XVII, Radioactive Waste Shipment Notification Form

4.19 Attachment XVIII, Radioactive Waste Shipment Checkoff Sheet

4.20 Attachment XIX, HN-100 Liner

4.21 Attachment XX, Filter Change Sign-Off Sheet

4.22 Attachment XXI, Low Level Waste Box Inventory

4.23 Attachment XXII, Demineralizer Resin Calculation Sheet

4.24 Attachment XXIII, Transport Grouping of Radionuclides

4.25 Attachment XXIV, Certification Statement For Disposal of Radlok High Integrity Containers

4.26 Attachment XXV, Solidification Liner Calculation Sheet

4.27 Attachment XXVI, Waste Classification Table

4.28 Attachment XXVII, Waste Classification Work Sheet

4.29 Attachment XXVIII, High Level Drum Storage Signoff Sheet

4.30 Attachment XXIX, Class "C" Waste Classification Record

4.31 Attachment XXX, Certification Statement for Disposal of TFC High Integrity Containers

4.32 Attachment XXXI, Radwaste Curie Content Worksheet for a 52 Gallon Drum

4.33 Attachment XXXII, Radwaste Curie Content Worksheet for a 55 Gallon Drum

4.34 Attachment XXXIII, Radwaste Curie Content Worksheet for a B25 Box

4.35 Attachment XXXIV, Radwaste Curie Content Worksheet for a S38 Box

4.36 Attachment XXXV, Drum Loading Sheet

5.0 LIQUID PROCESSING

5.1 The plant waste processing equipment (demineralizers, evaporators, etc.) are designed to process wastes in the chemical and physical forms which exist in the operating plant systems. Plant administrative procedures dictate the plant system's chemical operating parameters, and routine sampling of these systems insure that all parameters are kept within the operating limits. Other procedures are in effect which prevent materials which effect waste system operation from entering these systems.

5.2 If alternate or additional equipment such as filters, demineralizers, incinerators, etc. are required for waste processing they will be operated by the philosophy established in this manual to assure that the final forms meet all the regulations for shipping and burial. Prior to the operation of any alternate equipment, procedures will be written and approved.

5.3 The waste evaporators and the Duratek Demineralizers are operated by the instructions given in the following plant procedures:

12 OHP 4021.022.008	Placing In Service and Operation Of The South Boric Acid Evaporator Including System Line Up As A Waste Evaporator
1 OHP 4021.022.009	"S" Radiation Waste Evaporator Cooldown And Pump Out of Evaporator Bottoms
12 THP 6010 ENV.010	Operation of the Duratek Demineralizer System

5.4 The evaporators and demineralizers are operated for the purpose of reducing the liquid waste activity levels such that these liquids can be released to the environment at concentrations within the limits of 10 CFR Part 20. Liquids which are within the limits, can be released directly without further processing. With these releases being made, the total volume of liquids, which require solidification, or resin which requires packaging is reduced. The reduction in solidified volume makes it possible for fewer shipments of radioactive materials and less volume to be buried.

5.5 The limit of volume reduction for evaporators is dependent on concentration of several chemical and radiochemical species (See Table I).

5.6 If the concentration of boron is allowed to increase above the limits of Table I the concentrates crystallize in the evaporator when cooled down for pump-out, creating mechanical problems for the evaporator and pumps. To prevent crystallization of evaporator concentrates the concentration of boron is kept below the limits of Table I and sodium hydroxide is added as required to maintain an elevated pH to convert the H_3BO_3 to sodium tetraborate which is much more soluble.

$$4H_3BO_3 + 2NaOH \rightarrow Na_2B_4O_7 + 7\ H_2O$$

5.7 The concentration of chlorides in the evaporator concentrates is kept below the limit of Table I in order to prevent material damage to the evaporator. If the concentration is allowed to increase above the limit of Table I there is a possibility of corrosion of the evaporator internal surfaces, including the heater tubes. If these tubes are corroded to the point where they would leak, activity would enter the steam system. These tubes would then have to be plugged or replaced.

5.8 The activity levels in the evaporator concentrates are monitored as an aid to evaluate the need for shielded transport equipment.

5.9 Samples are taken periodically by Chemical Section personnel during the batch evaporator operation to maintain the evaporator bottoms within the limits of Table I, however, evaporator bottoms may be properly solidified for shipping and burial within the limits of Table II by the use of the procedures given in this program.

5.10 The Duratek Demineralization System does not have a boron, pH, chlorides, or activity operating limit. It may continue to run until the resin in the system is depleted. This is determined by a comparison of radioactivity between the influent and effluent of the liquid waste. The spent resin media will be processed for off-site burial in accordance with **12 THP 6010 ENV.013, 12 THP 6010 ENV.005, 12 THP 6010 ENV.022, 12 THP 6010 ENV.023, **12 THP 6010 ENV.014, and this procedure.

TABLE I

Waste Evaporator Normal Operating Limits

BORON, B	20,000 to 30,000 ppm as B
pH	7.4 - 9.2
Gross BT total	< 0.2 uci/cc
CHLORIDES, Cl	≦ 10,000 ppm

TABLE II

Waste Evaporator Concentrates Limits For Solidification

BORON		0 - 40,000 ppm
pH		7.4-9.2 or >11.5
ACTIVITY	OF	0 - 0.0001 Millicurie/gram of Radionuclides for which the A2 quantity is not more than 0.05 curies.
FISSION	AND	0 - 0.005 Millicurie/gram of Radionuclides for which the A2 quantity is more than 0.05 but not more than 1.0 curie.
ACTIVATION PRODUCTS		0 - 0.3 Millicurie/gram of Radionuclides for which the A2 quantity is more than 1.0 curie.
CHLORIDES		0 - 10,000 ppm

NOTES:

1. A_2 means the maximum activity of radioactive material, other than special form or low specific activity radioactive material, permitted in a Type A package. These values are listed in 12 THP 6010 RAD.304.

2. A_1 values are not required by this procedure.

6.0 SOLIDIFICATION BY USE OF CEMENT

6.1 SYSTEM DESCRIPTION

The systems described herein are designed to handle the solidification of liquids, evaporator bottoms and other concentrated liquids, spent resin, or other miscellaneous wastes.

6.1.1 Waste Feed System

The waste feed system consists of an electric motor driven pump and waste supply line to transfer waste to the liner. The Waste Evaporator Bottoms Storage Tank Transfer Pump takes suction from the liquid waste storage tank and pumps waste into the liner. When using temporary concentrates holding tanks, waste is pumped through flexible hose directly to the liner with a portable electric pump. The liner is filled until a pre-set level is reached as detected by a level sensor suspended from the liner, (See Attachment XIX.)

6.1.2 Cement Feed System (Westinghouse Hittman Nuclear Inc.)

Cement and sodium metasilicate are put into hoppers and are augered into the liner. Upon contacting the liquid waste, the sodium metasilicate begins to act, shortening the set time of the cement. Each liner is supplied with an internal mixing device designed to provide thorough mixing of the entire liner contents. A mixing motor mounted on the top of the liner prior to the filling operation is started prior to the addition of cement. Mixing continues for approximately twenty minutes after addition of the cement and sodium metasilicate or until the motor automatically trips off due to high resistance to mixing. The cement feed system also has a vent line to control cement dust. Flexible hose is connected at the loading flange. When cement is augered into the liner from the hoppers a vacuum on this line draws off the air being vented from the liner. The air is then conveyed to the vent air filter.

6.2 COLLECTION AND ANALYSIS OF SAMPLES

6.2.1 The Process Control Program (PCP) shall be used to verify the solidification of one representative test specimen from each liner of each type of wet radioactive waste (e.g. evaporator bottoms, boric acid solution).

6.2.2 For the purposes of the PCP a batch is defined as the amount of wet radioactive waste placed in a liner.

6.2.3 If any test specimen fails to solidify, the batch under test shall be suspended until such time as additional test specimens can be obtained, alternative solidification parameters can be determined in accordance with the Process Control Program, and a subsequent test verifies solidification. Solidification of the batch may then be resumed using the alternate solidification parameters determined.

6.2.4 For high activity waste, where the handling of samples could result in personnel radiation exposures which are inconsistent with the ALARA Principle, representative nonradioactive samples will be produced and tested. These samples should be as close to the actual waste in their physical and chemical properties as possible to verify proper solidification parameters.

6.2.5 A Waste Solidification Data Sheet (Attachment III) will be maintained for each test sample solidified. Each data sheet will contain pertinent information on the test sample.

6.2.6 The Test Sample Data will include, but not be limited to, the type of waste solidified, major radioactive constituents, pH, volume of sample, identification of oil in samples and the ratio of the sample to the final volume of the solidified product.

6.2.7 The Waste Solidification Data Sheet will include the batch number, batch volume, and date solidified, for each batch solidified based on the sample described on the test sample data sheet.

6.2.8 Two samples of the batch of liquid to be solidified shall be taken for analysis. Sample sizes shall be compatible with the standard size sample used for the radioactivity analysis and the second for the chemical analysis. If the radioactivity levels are too high to permit full size samples to be taken then smaller samples shall be taken with the results corrected accordingly.

6.3 TEST SOLIDIFICATION

NOTE: Test solidifications shall be performed using a representative sample of the waste to be solidified. No waste is to be added to a liner after the test solidification has been performed. If waste additions must be made, a new test solidification shall be performed.

NOTE: This test solidification is for the HN-100 LVM liners only.

6.3.1 Test solidifications should be conducted using a 1000 ml disposable beaker or similar size container. Mixing should be accomplished by stirring until a homogeneous mixture is obtained. (Minimum stirring time 5 minutes.)

6.3.2 Measure into the mixing vessel 400 ml. of the waste to be solidified.

6.3.3 Measure out 440 grams of (Portland I) cement and 63 grams of sodium metasilicate (anhydrous) and add this to the waste to be solidified. (This corresponds to 86 bags of cement and 12 bags of sodium metasilicate and 875 gallons of waste.) The cement and sodium metasilicate (anhydrous) must be from the same lot of materials which are to be used for the solidification. If two lots are to be used then the test must be made with the exact proportions of each lot which are to be used in the liner.

6.3.4 Mix the cement (Portland I) and sodium metasilicate (anhydrous) together and slowly add this mixture to the test sample while it is being stirred.

6.3.5 After two (2) minutes of mixing and a homogeneous mixture is obtained, allow the waste to stand for a minimum of 4 hours.

6.4 SOLIDIFICATION ACCEPTABILITY

6.4.1 The solidification is considered acceptable if there is no free standing water, and

6.4.2 If upon visual inspection, the waste appears that it would hold its shape if removed from the mixing vessel, and

6.4.3 It resists penetration.

6.5 SOLIDIFICATION UNACCEPTABILITY

6.5.1 If the waste fails any of the criteria set forth in 6.4, the solidification will be termed unacceptable and a new set of solidification parameters will need to be established per 6.6.

6.5.2 If the test solidification is unacceptable then the same test procedures must be followed on each subsequent batch of the same type of waste until three (3) consecutive test samples are solidified.

6.6 Alternate Solidification Parameters

6.6.1 If a test sample fails to provide acceptable solidification of the waste the following procedures should be followed:

1. Mix equal volumes of dry cement and water to ensure that the problem is not a bad batch of cement.

2. Add additional caustic solution to the sample to adjust the pH as required.

3. If the waste is only partially solidified, use lower waste to cement ratios.

Prepare test as follows allowing at least one hour for each test to solidify. If each test doesn't solidify, go to the next set of parameters.

	TEST			=	LINER	
	mls Waste	gm Cement	gm Sodium Meta Silicate (Anhydrous)	gallons Waste	bags Cement	bags Sodium Meta Silicate (Anhydrous)
1.	400	505	84.2	812	91	14
2.	400	523	75.4	712	83	11
3.	375	567	82.3	668	88	12
4.	350	592	89.1	623	94	13
5.	325	624	96.0	579	99	14

Test solidification for regular HN-100 liners.

	TEST			=	LINER	
	mls Waste	gm Cement	gm Sodium Meta Silicate (Anhydrous)	gallons Waste	bags Cement	bags Sodium Meta Silicate (Anhydrous)
1.	438	479	68.6	780	76	10

6.6.2 Packages of cement solidified liquid wastes will be held for a minimum of twenty four (24) hours after solidifications, and verification of compliance will be just prior to loading for shipment and will be documented on Attachment II. Insure the cement is solidified before closure of the container.

6.6.3 Solidification of liquids other than evaporator bottoms may become necessary and will be done such that compliance with all the appropriate regulations is verified prior to shipment.

7.0 COMPRESSIBLES WASTE

7.1 Contaminated or potentially contaminated compressible waste is normally taken to a designated area near the hydraulic baler. The waste will then be compressed into drums.

7.2 Material which would be in noncompliance with the appropriate regulations will not be placed into a package for baling.

7.3 All drums which have been filled will be documented as to the package number, description of the contents, date and initials of person filling package. Each package will be sealed and stored until loaded for shipment and burial.

7.4 Prior to loading, the package must be checked by Radioactive Materials Control personnel or a designee for any indication of holes, failures or weak spots at the seams, welds or otherwise.

7.5 All of the above operations are performed within the limits of the following procedure: 12 THP 6010 RAD.303, Solid Waste Handling and Drumming.

8.0 SLUDGE LANCE FILTERS

8.1 All sludge lance filters shall be accumulated after each refueling outage and counted by the chemistry lab for specific activity. The specific activity of the filters will be used to determine the method of packaging and shipping. They will then be transported to the 587' drumming room where they will be processed.

8.2 Follow the methodology outlined 12 THP 6010 ENV.020, Processing wet, Radioactively Contaminated Mopheads, starting with step 4.3 and ending with step 4.8 to process the sludge lance filters.

8.3 Sludge lance filters containing radionuclides with greater than five year half-lives having a specific activity less than 1 uCi/cc, may be packaged and shipped for disposal in accordance with 12 THP 6010 RAD.303 Solid Waste Handling and Drumming.

8.4 Sludge lance filters containing radionuclides with greater than five year half-lives having a specific activity greater than 1 uCi/cc, may be packaged and shipped for disposal in accordance with 12 PMP 3150 PCP.001, Radioactive Waste Process Control Manual and 12 THP 6010 ENV.022, High Integrity Containers.

9.0 NONCOMPRESSIBLE WASTE-FILTERS

9.1 Liquid process type filters should be removed by the specific individual filters change procedure (See Attachment VI, page 5 of 5) and transported to the Drumming Room. To ensure adequate drain time for removal of free standing liquid, all filters must be drained as follows:

Volume(cc)	Filter	Type	Minimum Drain Time	Wt.(gm)
1.67 E+4	Reactor Coolant	double-stage stainless steel pleated paper	15 minutes	7.72 E+3
8.44 E+3	Seal Water Injection	single-stage stainless steel pleated paper	15 minutes (10*)	4.20 E+3
1.67 E+4	Spent Fuel Pit	double-stage stainless steel pleated paper	15 minutes	8.17 E+3
1.67 E+4	Spent Fuel Pit Skimmer	double-stage stainless steel pleated paper	15 minutes	8.17 E+3
1.67 E+4	Refueling Water Purification	double-stage stainless steel pleated paper	15 minutes	8.17 E+3
1.67 E+4	Seal Water Return	double-stage stainless steel pleated paper	15 minutes	7.26 E+3
8.44 E+3	CVCS Ion Exchange	single-stage stainless steel pleated paper	15 minutes (10*)	3.97 E+3
8.44 E+3	B.A. Evaporator Concentrates & Condensate	single-stage stainless steel pleated paper	15 minutes (10*)	3.97 E+3
2.58 E+3	Boric Acid	30" cloth wrapped	15 minutes	5.68 E+2
2.58 E+3	Waste Evaporator Feed and Condensate	30" cloth wrapped	15 minutes	5.68 E+2
1.56 E+3	Temporary-Reactor	20" cloth wrapped	15 minutes (10*)	3.41 E+2
7.29 E+2	Cavity and Spent Fuel Pit	10" cloth wrapped	15 minutes (5*)	1.14 E+2
1.39 E+4	UWV 250 Temporary	30" stainless steel pleated paper	120 minutes	1.48 E+3
1.39 E+4	Prefilter for Duratek System	30" stainless steel pleated paper	15 minutes	2.04 E+3
8.04 E+2	Post-filter for Duratek System	10" plastic pleated paper	15 minutes	1.86 E+2

NOTE: Drums used for high radiation filters shall be inspected prior to use to insure that drum contains no absorbent material. Place all drums in storage area per 12 THP 6010 RAD.303: Solid Waste Handling and Drumming.

* Minimum drain time determined by testing. For proper documentation required during filter changes, see Attachment XX.

10.0 NONCOMPRESSIBLE WASTE-INCLUDING ABSOLUTE, and HEPA FILTERS

10.1 All miscellaneous noncompressible waste must be placed in a metal box as soon as possible after determination the item is to be disposed of. No liquid or damp items of any kind are to be placed in metal boxes. No metal box is to be sealed until it has been visually inspected by Radioactive Materials Control Section personnel or a designee, has been numbered and a description of the contents, including approximate item size and amount, is completed on the Low Level Waste Box Inventory, Attachment XXI.

NOTE: Any box which is greater than 640 cubic feet must be placarded on both sides and both ends. See reference 2.1, Part 172.

11.0 RESINS

11.1 Spent resins are normally transferred to the spent resin storage tank to await packaging for shipment, or directly to a liner from the radwaste demineralization system. The proper liner and cask to be used for the resin shipment will be determined by the activity of the resin and those that are available from Chem-Nuclear and Westinghouse Hittman Nuclear, as described in their Radwaste Handling Service Manuals. After the proper cask is decided upon and it is received at the plant, it should be prepared for shipment by using 12 THP 6010 ENV.021, 12 THP 6010 ENV.023, 12 THP 6010 ENV.005, "Resin Transfer From Spent Resin Storage Tank to a Cask", 12 THP 6010 ENV.013, "Sluicing Resin From the Duratek Demineralization System", and this Process Control Procedure.

11.2 When the package is full, it will be periodically checked for free-standing water until it is shipped. Each time the package is inspected, it will include dewatering the package. This will be done by either pumping the liquid off the top, draining, or pulling water from the bottom of the package. Heat enhanced dewatering will be performed using the methodology in 12 THP 6010 ENV.014 - Operation of the Duratek Heat Enhanced Dewatering (HED) System. Each different type of package used, will be tested, such that the volume of liquid which may be remaining in the package, is known for each dewatering method. The volume which could be remaining will always be under the volume allowed by the NRC, DOT, and burial site regulations at the time of shipping.

11.3 If regulations require resin to be solidified, it will be done after dewatering and by using the current solidification outline, which follows, and Attachment IV.

12.0 RESIN SOLIDIFICATION

12.1 Collection of Samples

12.1.1 Comply with applicable Radiation Work Permits.

12.1.2 Test samples which use actual waste shall be disposed of by placing it in the disposal liner after solidification.

12.1.3 One sample shall be taken for analysis. The sample shall be compatible with the standard size sample used for the gamma isotopic analysis. If the radioactivity levels are too high to permit a full size sample to be used, then a smaller sample shall be used with the results corrected accordingly. Sample sizes shall be determined by Radiation Protection, Chemistry, and Radioactive Material Control personnel.

12.1.4 A Waste Solidification Data Sheet, Attachment III, will be maintained for each test sample solidified. Each data sheet will include, but will not necessarily be limited to, the type of waste solidified, volume of the sample, the ratio of sample volume to the final volume of the solidified product, the batch number, batch volume, and the date solidified.

12.1.5 Samples should be drawn to allow adequate time to complete the required testing and verification of solidification prior to the planned waste solidification procedure.

12.2 Test Solidification Waste Conditioning

12.2.1 If large (i.e., foam causing) quantities of detergents are present, the sample should be treated with an anti-foaming agent. The quantity of anti-foaming agent required shall be recorded on Attachment III.

12.2.2 If oil is present in quantities greater than 1% by volume, the oil should either be removed by skimming, or emulsification agents should be used to break up the oil. The quantity of any substance added to the sample for this purpose shall be recorded on Attachment III.

12.2.3 For Class A Unstable waste, if the pH is <6.0, it shall be adjusted to >6.0 by the addition of 50 weight percent sodium hydroxide. pH conditioning of stable wastes is accomplished as part of the solidification process.

12.3 Test Solidification of Class A Unstable Waste

NOTE: Test solidifications shall be performed using a representative sample of the waste to be solidified. No waste is to be added to a liner after the test solidification has been performed. If waste additions must be made, a new test solidification shall be performed.

12.3.1 Any sample to be solidified shall be pretreated as specified in Section 12.2 under Test Solidification and Waste Conditioning.

12.3.2 Test Solidifications should be conducted using a 1000 ml. disposal beaker or similar size container. Mixing should be accomplished by stirring with an electric mixer until a homogeneous mixture is obtained, but in no case for less than three (3) minutes.

12.3.3 For the test solidifications of resin, measure into the mixing vessel 240 gms of uncompacted dewatered resin and add 90 ml of water.

12.3.4 Measure out 189 gms of Portland Type I Cement and 19 gms of anhydrous sodium metasilicate .

12.3.5 Slowly add the cement to the test sample while it is being mixed.

12.3.6 After all of the cement is added, slowly add the anhydrous sodium metasilicate to the test sample while it is being mixed.

12.3.7 After sufficient (3 minutes after all cement and anhydrous sodium metasilicate is added) mixing so that a homogeneous mixture is obtained allow the waste to stand for a minimum of 4 hours.

12.4 Test Solidification of Class A Stable, Class B and Class C Wastes

NOTE: Test solidifications shall be performed using a representative sample of the waste to be solidified. No waste is to be added to a liner after the test solidification has been performed. If waste additions must be made, a new test solidification shall be performed.

12.4.1 Any sample to be solidified shall be pretreated as specified in Section 12.2 under Test Solidification Waste Conditioning.

12.4.2 Test Solidifications should be conducted using a 1000 ml. disposal beaker or similar size container. Mixing should be accomplished by stirring with an electric mixer until a homogenous mixture is obtained.

12.4.3 Measure into the mixing vessel 320 gms of dewatered resin and add 235.3 mls of water.

12.4.4 Measure out 653.6 gms of Portland Type 1 cement and approximately 18 gms of Calcium Hydroxide, $Ca(OH)_2$, also known as hydrated lime.

12.4.5 Slowly add the calcium hydroxide to the bead resin slurry, two (2) grams at a time. Mix for three (3) minutes between additions until the pH of the slurry is at least 11.5. Add an additional three (3) grams of calcium hydroxide.

12.4.6 Record the quantity of calcium hydroxide added to the slurry on the Solidification Data Sheet, Attachment III.

12.4.7 Slowly add the cement to the test sample while it is being mixed.

12.4.8 Mix for two (2) minutes after all the cement is added to obtain a homogeneous mix.

12.4.9 Seal the sample.

12.4.10 Allow the sample to cure for up to 24 hours at 120 ± 5°F.

NOTE: If at any time during the 24-hour cure time, the sample meets the acceptance criteria, the liner solidification may proceed. However, no test solidification shall be disqualified without at least 24 hours of cure.

12.5 Solidification Acceptability

The following criteria define an acceptable solidification process and process parameters:

12.5.1 The sample solidifications are considered acceptable if there is no free standing water, and

12.5.2 Upon visual inspection the waste appears that it would hold its shape if removed from the beaker and it resists penetration.

12.6 Solidification Unacceptability

12.6.1 If the waste fails any of the criteria set forth in the section Solidification Acceptability, the solidification will be termed unacceptable and a new set of solidification parameters will need to be established under the procedures in the section Alternate Solidification Parameters.

12.6.2 If the test solidification is unacceptable then the same test procedures must be followed on each subsequent batch of the same type of waste until three consecutive test samples are solidified.

12.7 Alternate Solidification Parameters - Class A Unstable Wastes

If a test sample fails to provide acceptable solidification of the waste the following procedures should be followed:

12.7.1 Mix equal volumes of dry cement and water to ensure that the problem is not a bad batch of cement.

12.7.2 If the waste is only partially solidified, use lower waste to cement and anhydrous sodium metasilicate ratios. Using the recommended quantities of cement and anhydrous sodium metasilicate, reduce the waste sample volume to 215 gms and continue reducing the sample volume by 25 gms until the acceptability criteria are met.

12.8 Alternate Solidification Parameters - Class A Stable B or C Waste

12.8.1 Westinghouse Hittman Nuclear must be contacted for specific instructions.

12.9 Solidification Verification

12.9.1 Packages of cement solidified resins will be held for a minimum of twenty-four (24) hours after solidifications, and verification of compliance will be just prior to loading for shipment and will be documented on Attachment II.

13.0 LOADING

13.1 Prior to loading, a truck/trailer or a truck/van inspection shall be made using check off sheet Attachment I or IA. All transport vehicles arriving on site for shipment of radioactive waste will have a contamination and radiation survey taken prior to entry into the Auxiliary Building. If the vehicle will not be entering the Auxiliary Building, the survey must be performed prior to loading. Loading of a cask onto a truck will be done according to 12 THP 6010.ENV.021 or 023. Loading of the cask or truck will be such that th packages will be loaded to minimize the exposure toward the front of the truck. The Barnwell, South Carolina burial site requires that mixed (barrels and boxes) shipments of low specific activity materials on sole use vehicles be arranged so that all boxes are placed toward the back of the truck. The Beatty, Nevada burial site doesn't have this requirement and boxes and barrels can be mixed on the truck with the one requirement being that barrels be placed on barrels and boxes be placed on boxes. All loads must be braced to prevent movement of packages during normal transport.

14.0 "LARGE QUANTITY" SHIPMENTS

14.1 Application to transport a "large quantity" radioactive material shipment in Michigan should be made pursuant to the requirements of R29.553 of Act. No. 207 of the Public Acts of 1941, as amended, being 29.3 c of the Michigan Compiled Laws (Department of State Police - State Fire Safety Board) and Section 9 of Act. No. 380 of the Public Acts of 1965, as amended, and Sections 2226, 2233, and 13521 of Act No. 368 of the Public Acts of 1978, as amended being § 16.109, 333.2226, 333.2233 and 333.13521 of the Michigan Compiled Laws (Michigan Department of Public Health).

14.1.1 A "large quantity" shipment, for the state of Michigan, means a quantity of radioactive material, the aggregate radioactivity of which exceeds any one of the following:

(1) For transport groups as defined in 14.1.2

(i) Group I or II radionuclides: 20 curies;
(ii) Group III or IV radionuclides: 200 curies;
(iii) Group V radionuclides: 5,000 curies;
(iv) Group VI or VII radionuclides: 50,000 curies.

14.1.2 "Transport group" means any one of seven groups into which radionuclides in normal form are classified, according to their toxicity and their relative potential hazard in transport, in Attachment XXIII.

(1) Any radionuclide not specifically listed in one of the groups in Attachment XXIII shall be assigned to one of the Groups in accordance with the following table:

	Radioactive half-life		
Radionuclide	0 to 1000 days	1000 days to 10^6 years	Over 10^6 years
Atomic Number 1-81.	Group III	Group II	Group III
Atomic Number 82 and over.	Group I	Group I	Group III

(2) For mixtures of radionuclides the following shall apply:

(i) If the identity and respective activity of each radionuclide are known, the permissible activity of each radionuclide shall be such that the sum, for all groups present, of the ratio between the total activity for each group to the permissible activity for each group will not be greater than unity.

(ii) If the groups of the radionuclides are known but the amount in each group cannot be reasonably determined, the mixture shall be assigned to the most restrictive group present.

(iii) If the identity of all or some of the radionuclides cannot be reasonably determined, each of those unidentified radionuclides shall be considered as belonging to the most restrictive group which cannot be positively excluded.

(iv) Mixtures consisting of a single radioactive decay chain where the radionuclides are in the naturally occurring proportions shall be considered as consisting of a single radionuclide. The group and activity shall be that of the first member present in the chain, except that if a radionuclide "x" has a half-life longer than that of that first member and an activity greater than that of any other member, including the first, at any time during transportation, the transport group of the nuclide "x" and the activity of the mixture shall be the maximum activity of that nuclide "x" during transportation.

14.2 The governor or his designee of each state through which the aforementioned shipment will travel must be given advance notification in accordance with Title 10 - Energy Code of Federal Regulations, Part 71.97.

15.0 NOTIFICATION SCHEDULE

15.1 As burial space is required, contact:

Barnwell, South Carolina Scheduling Dept. (CNSI)	*See TPSO.015, latest revision for current telephone numbers as required.
Beatty, Nevada U.S. Ecology, Inc.	*
Richland, Washington U.S. Ecology, Inc.	*

Call Westinghouse Hittman Nuclear Incorporated for transportation and scheduled shipment date confirmation.

Westinghouse Hittman Nuclear Incorporated	*

15.2 Prior to shipment

Notify the Michigan Department of Public Health of the scheduled date of shipment and estimated curie content.

Mich. Dept. of Public Health *

Prior Notification and Manifest must be sent to the State of South Carolina and the Barnwell Burial Site to be received at least 72 hours prior to shipment arrival at the South Carolina state line.

Verify that the proposed carrier has a valid permit to transport radioactive materials in the State of Oregon. This verification is only required when the consignee is the Richland Burial Site.

15.3 Day of shipment, prior to departure

Verbally notify burial site being shipped to and transmit a copy of the 10CFR 20.311 Manifest. For shipments to the Barnwell Site, the route through South Carolina must be given.

Barnwell Burial Site Chem-Nuclear Systems, Inc.	*See TPSO.015 latest revision for current telephone numbers as required.
Beatty Burial Site U.S. Ecology, Inc.	*
Richland Burial Site	*

If there are any changes in the Prior Notification and Manifest for the Barnwell Site, the State of South Carolina must be notified in addition to the Burial Site.

State of South Carolina *

Notification to the Michigan Public Health must be given prior to shipment. (See Attachment XIII)

Michigan Public Health *
(Nuclear Facility Secretary)

Indiana State Police *
(Operations) Courtesy call i.e. not required

16.0 SHIPPING

16.1 All shipping of radioactive materials for burial or for other reasons are required by procedure to comply with all NRC and DOT regulations. All packaging in the above steps of this program are designed to insure compliance with all the appropriate regulations. The following procedures are used to insure and/or verify compliance with the regulations.

PMI 3150	Receipt And Shipment Of Radioactive Materials.
12 THP 6010 RAD.304	Shipment Of Radioactive Materials
12 THP 6010 ENV.021	Cask Handling Procedure for Greater Then Type A Shipments
12 THP 6010 ENV.023	Cask Handling Procedure for LSA and Type A Shipments

16.2 The following will be the order in which the Radioactive Shipment Manifests (RSM) are to be completed prior to any forms being distributed to the respective personnel.

1. Completion of shipping records
2. RP Supervisor for signature on survey (Attachment XIV)
3. Radioactive Materials Control Section for signature and correction check on RSM forms.
4. Carrier for signature
5. Three (3) copies of the Chem Nuclear (RSM), and U.S. Ecology, Inc. (RSM) are to be made.

16.3 The originals of the Shipping Papers will go to the following personnel, with copies also listed:

D. C. COOK NUCLEAR PLANT

Michigan Public Health/Indiana State Police Notification Form
Radioactive Waste Shipment Notification Form
Radioactive Waste Shipment Checkoff Sheet
Truck/Trailer or Truck/Van Inspection Check-Off Sheet
Original — To Radioactive Materials Control Section
Demineralizer Resin Calculation Sheet
Original — To Driver
1 Copy — To Radioactive Materials Control Section
Certification Statement For Disposal of Radlok High Integrity Containers
Original — To Driver
1 Copy — To Radioactive Materials Control Section
Certification Statement For Disposal of TFC High Integrity Containers
Original — To Driver
1 Copy — To Radioactive Materials Control Section
Instructions to Drivers of Exclusive Use Vehicles
Original — To Driver
1 Copy — To Radioactive Materials Control Section

BARNWELL WASTE MANAGEMENT FACILITY - RSM

2 White Originals	To Driver
White Original	To Radioactive Materials Control Section
1 Copy	To Stores
1 Copy	To WHNI

STATE OF S. C. PN&M AND CERTIFICATION FORMS

3 Copies	South Carolina Prior Notification and Manifest Form to Driver
1 Copy	South Carolina Prior Notification and Manifest Form to Radioactive Materials Control Section
Original	South Carolina Radioactive Waste Shipment Certification Form to Driver
1 Copy	South Carolina Radioactive Waste Shipment Certification Form to Radioactive Materials Control Section

U.S. ECOLOGY, INC. RSM

2 Disposal Site Copies	To Driver
1 Carrier Copy	To Carrier
1 Customer Copy	To Radioactive Materials Control Section
1 Copy	To Stores
1 Copy	To WHNI

U.S. ECOLOGY, INC. - Low Level Shipment Certification Forms

1 Original	Nevada Low Level Radioactive Waste Shipment Certification - To Driver
1 Original	Nevada Certification - To Driver
Copy	Nevada Low Level Radioactive Waste Shipment Certification to Radioactive Materials Control Section
Copy	Nevada Certification - To Radioactive Materials Control Section
Original	Washington Low Level Radioactive Waste Shipment Certification to Driver
Copy	Washington Low Level Radioactive Waste Shipment Certification To Radioactive Materials Control Section

RADIATION/CONTAMINATION TRUCK SURVEY

Original	To RP Section
1 Copy	To Radioactive Materials Control Section
1 Copy	To Driver

*RESIN GAMMA SPECTRUM PRINTOUT

1 Copy	To Driver
1 Copy	To Radioactive Materials Control Section

*Only when resin is being shipped. A gamma spectrum printout and a Demineralizer Resin calculation sheet must be provided for each package containing resin being shipped.

AT THE TIME OF DEPARTURE OF THE RADIOACTIVE WASTE TRANSPORT VEHICLE, THE RESPECTIVE PARTIES WILL HAVE THE FOLLOWING SHIPMENT PAPERWORK, AS FOLLOWS AND AS APPLICABLE:

DRIVER OF TRANSPORT VEHICLE

Original	Instruction to Drivers of Exclusive Use Vehicles
Original	Washington Low Level Radioactive Waste Shipment Certification
2 White Originals	Barnwell Waste Management Facility (RSM)
*1 Copy	Resin Gamma Spectrum Printout
2 White Disposal Site Copies	U.S. Ecology, Inc. (RSM)
1 Carrier Copy	U.S. Ecology, Inc. (RSM)
Original	Nevada Low Level Radioactive Waste Shipment Certification
*Original	Demineralizer Resin Calculation Sheet
Original	Nevada Certification
3 Copies	South Carolina Prior Notification and Manifest Form
1 Copy	South Carolina Radioactive Waste Shipment Certification
1 Copy	Radioactive Waste Truck Radiation/ Contamination Survey
Original	Certification Statement For Disposal of Radlok High Integrity Containers
Original	Certification Statement For Disposal of TFC High Integrity Containers
Original	Class "C" Waste Certification Record

NOTE: The driver of the transport vehicle will be given two or more extra placards/placard holders for replacement purposes if any of the affixed placards become lost or damaged during transit. For transport vehicles which the placard holder is permanently affixed on all four (4) sides, extra placards will not need to be given to the driver.

*Only when resin is being shipped. A gamma spectrum printout and a Demineralizer Resin calculation sheet must be provided for each package containing resin being shipped.

RADIOACTIVE MATERIALS CONTROL SECTION

White Original	Barnwell Waste Management Facility (RSM)
Original	Michigan Public Health/Indiana State Police Notification Form
Original	Radioactive Waste Shipment Notification Form
Original	Radioactive Waste Shipment Checkoff Sheet
Copy	Radiation/Contamination Truck Survey
*Copy	Resin Gamma Spectrum Printout
Customer Copy	U.S. Ecology, Inc. (RSM)
Copy	Nevada Low Level Radioactive Waste Shipment Certification
Copy	Nevada Certification
Copy	Washington Low Level Radioactive Waste Shipment Certification
Copy	South Carolina Prior Notification and Manifest Form
Copy	South Carolina Radioactive Waste Shipment Certification
Original	Truck/Trailer or Truck/Van Inspection Check-Off Sheet
*Copy	Demineralizer Resin Calculation Sheet
Copy	Certification Statement For Disposal of Radlok High Integrity Containers.
Copy	Certification Statement For Disposal of TFC High Integrity Containers
Copy	Instructions To Drivers of Exclusive Use Vehicles
Copy	Class "C" Certification Record

RADIATION PROTECTION SECTION

Original	Radiation/Contamination Truck Survey

17.0 ACKNOWLEDGEMENT OF SHIPMENT

17.1 Within seven (7) days after the estimated time of arrival at the designated burial site, a signed copy of the manifest verifying receipt of the shipment shall be received by the Plant. If acknowledgement of the shipment has not been received, initiate the requirements of 10 CFR 20.311.

*Only when resin is being shipped. A gamma spectrum printout and a Demineralizer Resin calculation sheet must be provided for each package containing resin being shipped.

18.0 WASTE CLASSIFICATION

18.1 Evaporator Concentrates

18.1.1 For the period from January 1, 1988 to December 31, 1988, evaporator concentrates shipped offsite for burial will be defined as Class A waste. The total quantity of the radionuclides H-3, C-14, TC-99, I-129, Ni-63 and Fe-55 must be shown on the Radioactive Shipment Manifest, using the following concentrations:

- H-3 - measured or default (4.03 E-2 µci/cc)
- C-14 - Co-60 concentration in µci/cc times 8 E-3 equals the C-14 concentration.
- TC-99 - < 8.70 E-7 µci/cc
- I-129 - < 2.00 E-6 µci/cc
- Ni-63 - Co-60 concentration in µci/cc times 1.10 E 0 equals the Ni-63 concentration. If this concentration is <3.50 E-2 it is not required to be entered on the RSM.
- Fe-55 - Co-60 concentration in µci/cc times 9.0 E-1 equals the Fe-55 concentration.

18.2 Resin - Primary

18.2.1 For the period from January 1, 1988 to December 31, 1988, the classification of primary resin shipped offsite for burial will be determined using Attachment XXVII. High Integrity Containers meet the stability requirements of 10 CFR Part 61.56. Resin shipped in these containers meeting the requirements of the Certificate of Compliance require no further stabilization.

Resin shipped in non-High Integrity Containers must be stabilized as required by 10 CFR Part 61.56. The vendor is responsible for meeting the stability requirements and presenting to the Plant the latest revision of their topical report.

18.2.2 The total quantity of the radionuclides H-3, C-14, TC-99, I-129, Ni-63, Sr-90 and Fe-55 must be shown on the Radioactive Shipment Manifest, using the following concentrations:

H-3 - 8.56 E-2 µci/cc
C-14 - Co-60 concentration in µci/cc times 1.9 E-3 equals the C-14 concentration
TC-99 - < 2.30 E-4 µci/cc
I-129 - < 1.50 E-4 µci/cc
Ni-63 - Co-60 concentration in µci/cc times 6.1 E-1 equals the Ni-63 concentration
Sr-90 - Cs-137 concentration in µci/cc times 8.00 E-4 equals the Sr-90 concentration
Fe-55 - Co-60 concentration in µci/cc times 1.25 E-1 equals the Fe-55 concentration

18.2.3 The shipment paperwork must also include the specific activity of the transuranic radionuclides in nanocuries/gram using the following concentrations:

TRU - Cs-137 concentration in µci/g times 3 E-3
Cm-242 - CS-137 concentration in µci/g times 2.5 E-3
Pu-241 - Cs-137 concentration in µci/g times 1.0 E-1

18.3 Unit 1 and 2 Steam Generator Blowdown Treatment Resin - Secondary

18.3.1 For the period from January 1, 1988 to December 31, 1988 resin from the steam generator blowdown treatment system will be defined as Class A - stable. The total quantity of the radionuclides H-3, C-14, TC-99, I-129, Ni-63 and Sr-90 must be shown on the Radioactive Shipment Manifest, using the following concentrations:

	UNIT 1 (µci/gm)	UNIT 2 (µci/gm)
H-3	< 6.80 E-5	< 4.40 E-5
C-14	Co-60 (4.60 E-3)	Co-60 (1.80 E-2)
Tc-99	< 5.10 E-6	< 7.70 E-6
I-129	< 3.90 E-6	< 5.00 E-6
Ni-63	Co-60 (2.1 E-1)	Co-60 (4.4 E-1)
Sr-90	4.70 E-6	< 1.80 E-6
Fe-55	Co-60 (2.4 E-1)	Co-60 (1.5 E 0)

The shipment paperwork must also include the specific activity of the transuranic radionuclides using the following concentrations:

	UNIT 1 (nci/gm)	UNIT 2 (nci/gm)
Pu-239,-240	< 6.50 E-5	< 4.70 E-5
Pu-241	< 4.60 E-2	< 1.90 E-2
Pu-238	< 1.90 E-4	< 1.00 E-4
Am-241	< 3.00 E-5	4.60 E-5
Cm-242	3.10 E-5	6.90 E-5
Cm-243,-244	3.50 E-5	6.30 E-5

18.4 Resin - Radwaste

18.4.1 For the period from January 1, 1988 to December 31, 1988, the classification of radwaste resin shipped offsite for burial will be determined using Attachment XXVII. This resin, shipped in High Integrity Containers meeting the requirements of the certificate of compliance, requires no further stabilization.

18.4.2 The total quantity of the radionuclides H-3, C-14, TC-99, I-129, Ni-63, Sr-90 and Fe-55 must be shown on the Radioactive Shipment Manifest, using the following concentrations:

H-3 - 5.40 E-3 µci/cc
C-14 - Co-60 concentration in µci/cc times 5.7 E-3 equals the C-14 concentration
TC-99 - < 1.50 E-5 µci/cc
I-129 - < 6.10 E-6 µci/cc
Ni-63 - Co-60 concentration in µci/cc times 8.0 E-1 equals the Ni-63 concentration
Sr-90 - Cs-137 concentration in µci/cc times 8.0 E-4 equals the Sr-90 concentration
Fe-55 - Co-60 concentration in µci/cc times 1.0 E 0 equals the Fe-55 concentration

18.4.3 The shipment paperwork must also include the specific activity of the transuranic radionuclides in nanocuries/gram using the following concentrations:

TRU - Cs-137 concentration in µci/g times 1 E-2
Cm-242 - CS-137 concentration in µci/g times 1 E-2
Pu-241 - Cs-137 concentration in µci/g times 5 E-1

18.5 Dry Active Waste - Compressible and Non-Compressible

18.5.1 For the period from January 1, 1988 to December 31, 1988, dry active waste shipped offsite for burial will be defined as Class A waste. The total quantity of the radionuclides H-3, C-14, Tc-99, I-129, and Fe-55 must be shown on the Radioactive Shipment Manifest using the following concentrations:

H-3 - 2.0 E-3 µci/cc
C-14 - Co-60 millicurie content times 1.0 E-2
Tc-99 - < 7.80 E-7 µci/cc
I-129 - < 8.70 E-7 µci/cc
Fe-55 - Co-60 millicurie content times 1.5 E 0

18.6 Filters

18.6.1 For the period from January 1, 1988 to December 31, 1988, the classification of filters shipped offsite for burial will be determined using Attachment XXVII. The total quantity of the radionuclides H-3, C-14, Tc-99, I-129, Ni-63, Sr-90, Fe-55, TRU, Cm-242, and Pu-241 must be shown on the Radioactive Shipment Manifest, using the following concentrations:

H-3 - 2.00 E-1 µci/cc
C-14 - Co-60 concentration times 5.0 E-3
Tc-99 - < 2.00 E-4
I-129 - < 4.80 E-5
Ni-63 - Co-60 concentration times 7.5 E-1
Sr-90 - Cs-137 concentration times 1.68 E-1
Fe-55 - Co-60 concentration times 1.25 E 0
TRU - Ce-144 µci/cc times 1.62 E-1*
Cm-242 - Ce-144 µci/cc times 9.70 E-2*
Pu-241 - Ce-144 µci/cc times 5.70 E 0*

*This must then be converted to nci/g for the shipment paperwork.

19.0 TRAINING

19.1 Receipt, packaging and shipping of radioactive and fissile material will be performed by trained personnel in their respective tasks or under the direct supervision of trained personnel in the implementing procedures of PMI-3150. The frequency of this training shall be determined by the cognizant department superintendent.

19.2 Specific training in packaging and shipping of radioactive and fissile material for radwaste handling supervisors, and other personnel as assigned by the Technical Superintendent-Physical Science, shall be conducted at least once per calendar year.

20.0 PACKAGE CURIE CONTENT DETERMINATION

20.1 Evaporator Concentrates

20.1.1 Use Attachment XXV and Section 18.1.

20.2 Resin - Primary

20.2.1 Use Attachment XXII and Section 18.2.

20.3 Dry Active Waste

20.3.1 Use Attachment XXXI - XXXIV, as applicable, and Section 18.5.

20.4 Resin - Radwaste

20.4.1 Use concentrations from lab or vendor analysis, volume/weight of resin and Section 18.4.

20.5 Resin - Secondary

20.5.1 Use concentrations from lab or vendor analysis, volume/weight of resin and Section 18.3.

20.6 Filters

20.6.1 Use concentrations from lab or vendor analysis, volume/weight of filters and Section 18.6.

TRUCK/TRAILER INSPECTION CHECK-OFF SHEET

SHIPMENT NO._____ DATE_____

Prior to loading, the following items are to be examined and documented on this checklist for each vehicle transporting radioactive waste from the plant site:

		INITIALS
(1)	Truck/Trailer Tires Remarks_____	_____
(2)	Truck/Trailer Wheels Remarks_____	_____
(3)	Trailer Bed and Frame Remarks_____	_____
(4)	Load Tie-Downs Remarks_____	_____
(5)	Truck/Trailer Lights Remarks_____	_____
(6)	Truck/Trailer Placarded Remarks_____	_____

Initials indicate inspection was made and results were acceptable. If items affecting safe transportation of load are found, contact Hittman Nuclear and Development. (312-232-6133)
Person Contacted_____ Date_____

Vehicle inspection criteria as follows:

(1) Truck/Trailer Tires - A minimum of 1/16" tread, no fabric exposed on sidewall, no cuts or injuries into fabric.

(2) Truck/Trailer Wheels - Check for visible cracked wheels, loose lug nuts or missing studs.

(3) Trailer Bed and Frame - Check visually for cracks and breaks. Check main rails for any visible cracks in rails and associated welds. On any drop frame trailers, the drop area is the most susceptible to cracking. If any cracks are observed in main rails, trailer should be deadlined and carrier immediately notified.

(4) Load Tie-Downs - Check cable tie down points on trailer for any visible cracks. Cables should be in good condition, tight, crossed and without crimps. Cask should be positioned so that cables do not rub each other. Ratchets and shackles shall be free of cracks.

(5) Truck/Trailer Lights - Checks for operation of head-lights, tail-lights, brake-lights and directional signals.

(6) Truck/Trailer Placarded - Placarding on front, sides and rear as required.

TRUCK/VAN INSPECTION CHECK-OFF SHEET

SHIPMENT NO._____ DATE_____

Prior to loading, items 1-3 are to be examined and documented on this checklist for each vehicle transporting radioactive waste from the plant site. Items 4-6 will be examined and documented after the radioactive waste has been loaded on the transporting vehicle and it is ready for shipment.

		INITIALS
(1)	Truck/Van Tires	
	Remarks_____	_____
(2)	Truck/Van Wheels	
	Remarks_____	_____
(3)	Overall Condition of the Van	
	Remarks_____	_____
(4)	Blocking & Bracing	
	Remarks_____	_____
(5)	Truck/Van Lights	
	Remarks_____	_____
(6)	Truck/Van Placarded	
	Remarks_____	_____

Initials indicate inspection was made and results were acceptable. If items affecting safe transportation of load are found, contact Westinghouse Hittman Nuclear Inc. (312-232-6133)
Person Contacted_____ Date_____

Vehicle inspection criteria as follows:

(1) Truck/Van Tires - A minimum of 1/16" tread, no fabric exposed on sidewall, no cuts or injuries into fabric.

(2) Truck/Van Wheels - Check for visible cracked wheels, loose lug nuts or missing studs.

(3) Overall Condition of the Van - Visually check for cracks and holes in the van, especially in the ceiling. Should there be cracks or holes, try to repair them onsite. If the damage is too severe, immediately notify the carrier.

(4) Blocking and Bracing - Packages of waste must be blocked and braced to prevent shifting of lading under conditions normally incident to transportation.

(5) Truck/Van Lights - Checks for operation of head-lights, tail-lights, brake-lights and directional signals.

(6) Truck/Van Placarded - Placarding on front, sides and rear as required.

CEMENT SOLIDIFICATION VERIFICATION LOG

Liner No. _____ Date Time_____ Completion Date_____ Verification Date_____

Liner Volume _____ Time Start_____ Completion Time_____ Verification Time_____

Cement lbs./bag _____ Cement Lot #/or Date Received _____ Verified By _____

Sodium Metasilicate lbs./bag (Anhydrous) _____ Sodium Metasilicate (Anhydrous) Lot #/ or Date Received _____ Ship Date _____

DATE	TIME	GALLONS WASTE	PROCESSED FROM	BAGS CEMENT	BAGS METSO	COMMENTS	INITIALS

Solidification Verification

I hereby certify that a visual inspection of the WHNI liner has been conducted at least 24 hours after the indicated completion date and time and that there no indication of freestanding liquid.

Date_____

Time_____

WHNI Supervisor_____

Batch No:_____
Sample No:_____
Date:_____

CEMENT WASTE SOLIDIFICATION DATA SHEET FOR

_____
(Type of Waste)

Batch No:_____ Sample No:_____

Sample Volume, ml:

pH[1]:

Indications of Oil/Detergent:

Other Major Constituents:

Quantity of Cement Added: _____ Cement Lot #/or Date Received _____

Quantity of Sodium Meta Silicate (Anhydrous) _____ Sodium Metasilicate (Anhydrous) Lot #/or Date Received _____

Quantity of Calcium Hydroxide ($Ca(OH)_2$ _____ Calcium Hydroxide Lot #/or Date Received _____

Final Product to Waste Ratio:

Product Acceptability:

Radionuclides Present:
(Isotopes & Concentrations)

[1] If pH adjustment is required note chemical used, quantity used and pH after adjustment.

CLASS A UNSTABLE WASTE SOLIDIFICATION DATA TABLES

for Bead Resin

	HN-100					HN-600*			
	Series 1	Series 2	Series 3	LVM	HN-200	S	G	S+G	R
Usable Liner Volume (cu.ft.)	143.0	143.0	143.0	153.0	59.5	59.6	64.6	57.7	64.6
Max. Dewatered Waste Volume (cu.ft.)	105.0	102.3	110.0	117.7	48.3	48.3	52.4	46.8	52.4
Max. Solidified Waste Vol. (cu.ft.)	129.5	126.2	135.6	145.1	59.5	59.6	64.6	57.7	64.6
Cement Added at Max. Waste Volume									
Weight (lbs.)	4126.1	4020.8	4320.7	4625.6	1896.4	1899.6	2059.0	1839.0	2059.0
Volume (bags)	43.9	42.8	46.0	49.2	20.2	20.2	21.9	19.6	21.9
Anhydrous Sodium Metasilicate Added at Max. Waste Vol.									
Weight (lbs.)	412.6	402.1	432.1	462.6	189.6	190.0	205.9	183.9	205.9
Volume (bags)	4.1	4.0	4.3	4.6	1.9	1.9	2.1	1.8	2.1
Water Added to Max. Waste Vol. (Gallons)	236.2	230.2	247.3	264.8	108.6	108.8	117.9	105.3	117.9
Max. Rad. Level R/hr contact	12	12	12	12	800	100	100	100	100

*
S = HN-600 Stackable
G = HN-600 Grappable
S+G = HN-600 Stackable - Grappable
R = HN-600 Regular

CLASS A STABLE, CLASS B AND C WASTE SOLIDIFICATION DATA TABLES for Bead Resin

	HN-100 Series 1	HN-100 Series 2	HN-100 Series 3	HN-100 LVM Series 3	HN-200	HN-600(1) S	HN-600(1) G	HN-600(1) S+G	HN-600(1) R
Usable Liner Volume (cu.ft.)	143	143	143	153	59.5	59.6	64.6	57.7	64.6
Max. Dewatered Waste Volume (cu.ft.)	61.5	59.9	77.9	78.3	32.4	32.5	35.2	31.4	35.2
Max. Solidified Waste Vol. (cu.ft.)	112.8	109.9	143.0	143.7	59.5	59.6	64.6	57.7	64.6
$Ca(OH)_2$ Added at Max. Waste Volume (2)									
Weight (lbs.)	172	168	218	219.1	91	91	99	88	99
Volume (bags)	3.4	3.4	4.4	4.4	1.8	1.8	2.8	1.8	2.0
Portland Type I Cement Added at Max. Waste Vol. (2)									
Weight (lbs.)	6273	6110	7945.8	7986.6	3304.8	3315	3590.4	3202.8	3590.4
Volume (bags)	66.7	65.0	84.5	85.0	35.2	35.3	38.2	34.1	38.2
Water Added to Max. Waste Vol. (Gallons)	271	264	343	345	143	143	155	138	155
Max. Rad. Level R/hr contact	12	12	12	12	800	100	100	100	100

(1) S = HN-600 Stackable
G = HN-600 Grappable
S+G = HN-600 Stackable - Grappable
R = HN-600 Regular

(2) Approximate values

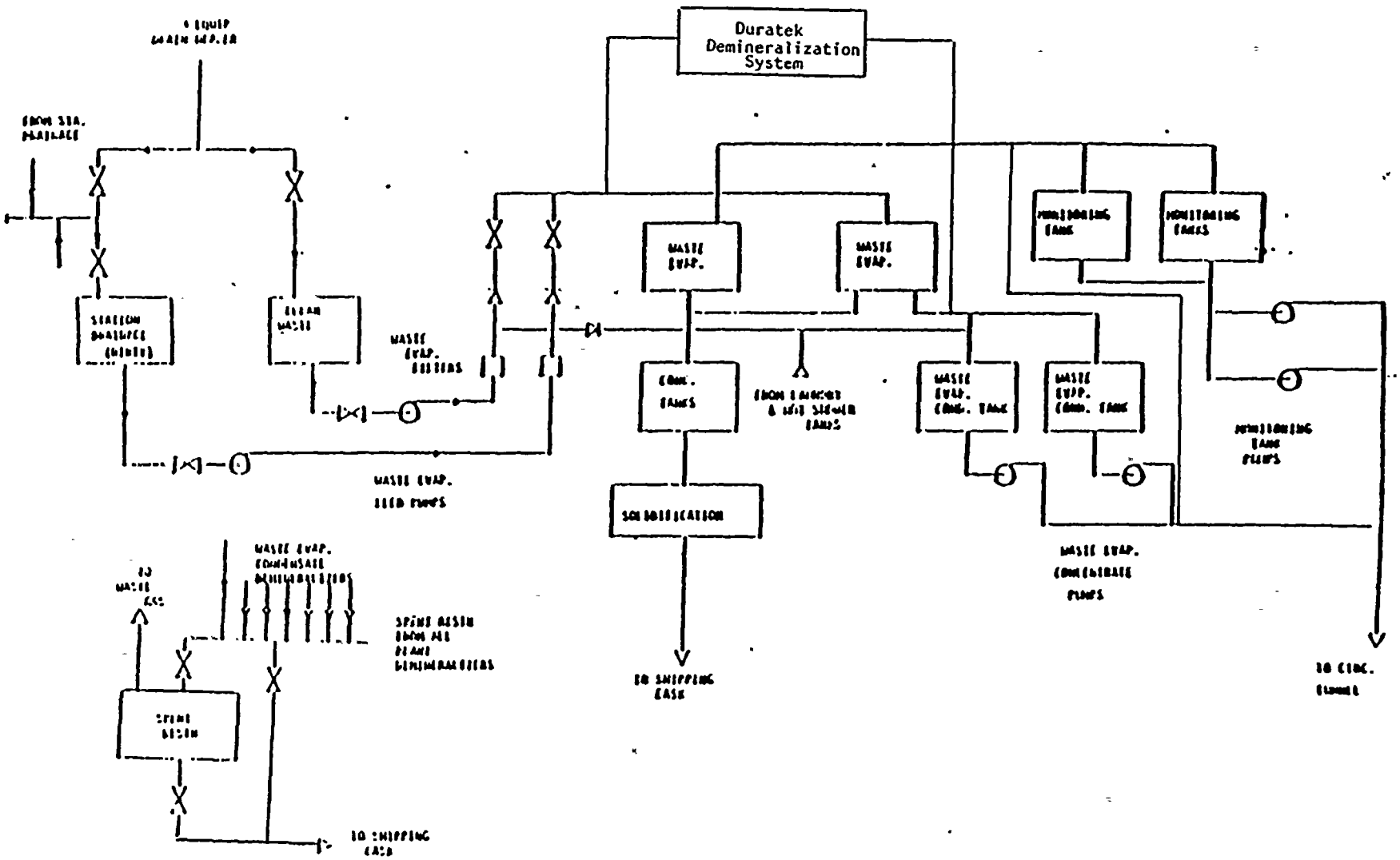
SOLIDIFICATION DATA TABLES

SUMMARY

If the solidified evaporator concentrates liners requires shielding prior to shipment, all shipments will be overweight and will require a permit to be furnished by the carrier.

	HN-100 Series 1	HN-100 Series 2	HN-100 Series 3	HN-100S	HN-100 LVM Series 3*
Usable Liner Volume, (cu. ft.)	143	143	143	143	160.0
Max. Waste Vol. (cu. ft.)	84.8	82.7	104.5	101.9	117
Max. Solidified Waste Vol. (cu. ft.)	116	113.1	143	139.4	160
Cement Added at Max. Waste Vol.					
Weight (lbs.)	5,814.8	5,673.5	7,171.0	6,991.8	8023.5
Volume (bags)	61.9	60.4	76.3	74.4	85.4
Anhydrous Sodium Metasilicate Added at Max. Waste Vol.					
Weight (lbs.)	830.7	810.5	1,024.4	998.8	114
Volume (bags)	8.3	8.1	10.2	10.0	11.5
Max. Radiation Level R/hr Contact	12	12	12	3	12

*For less than A_2 quantities of LSA waste.



SOLID WASTE MANAGEMENT SYSTEM

RESPONSIBILITY BY WASTE TYPE

RESINS

PROCESS	PERFORMED BY	PROCEDURE	SUPERVISED BY	VERIFIED BY
Transfer Resin to The SRST	Utility Operator Auxiliary Equip. Operator	12 OHP 4021.004.004 12 OHP 4021.006.008	Unit Supervisor Assistant Shift Supervisor	Radiation Protection Personnel
Transfer to Cask	Utility Operator Auxiliary Equip. Operator	ENV.005	RMC Group Personnel	RMC Group Personnel
Dewatering And Verification of Dewatering	RMC Group Personnel/ Contract Personnel	ENV.005 ENV.014	RMC Group Personnel	RMC Group Personnel
Cask Closure	Maintenance Contract Personnel	ENV.021 ENV.023	RMC Group Personnel	RMC Group Personnel
Activity-Curie Content	Radiation Prot./ RMC Group	RAD.304/PCP	Radiation Prot. Supervisor/ RMC Group	Radiation Protection Supervisor/ RMC Group
Activity-Isotopic Ratio	Chemical Technician	LAB.141	Chemical Super./ RMC Group	Chemical Supervisor/ RMC Group
Cask Labeled	RMC Group/ Contract Personnel	RAD.304	RMC Group Personnel	RMC Group Personnel
Cask Loaded	Maintenance Mechanic	ENV.021 ENV.023	RMC Group Personnel	RMC Group Personnel
Truck and Cask Inspection and Survey	Radiation Prot. Personnel/ RMC Group	RAD.304 ENV.021/.023 PCP	Radiation Prot. Supervisor/ RMC Group	Radiation Protection/ RMC Group Personnel
Radioactive Shipping Record	RMC Group Personnel	RAD.304/PCP	RMC Group Personnel	RMC Group Personnel
Prior Notification	RMC Group	PCP	RMC Group	RMC Group
Solidification and Verification of Solidification	Contract Personnel/ RMC Group	PCP	RMC Group Personnel	RMC Group Personnel

*RMC = Radioactive Materials Control

RESPONSIBILITY BY WASTE TYPE

NON-COMPRESSIBLE WASTE

PROCESS	PERFORMED BY	PROCEDURE	SUPERVISED BY	VERIFIED BY
Waste Transport to Box-Barrel	Contract/Maint. Personnel	RAD.303	RMC Group Personnel	RMC Group Personnel
Box-Barrel Filling	Contract/Maint. Personnel	RAD.303	RMC Group Personnel	RMC Group Personnel
Radioactive Content-Isotopic Ratio	Radiation Prot./ Chemical Tech.	RAD.304	Radiation Prot. Supervisor/ RMC Group	Radiation Protection Supervisor/RMC Group Personnel
Package Sealed and Labeled	RMC Group Contract Personnel	RAD.304	RMC Group Personnel	RMC Group Personnel
Package Quality Verification	RMC Group Personnel	RAD.304/PCP	RMC Group Personnel	RMC Group Personnel
Truck Loading	Maintenance Mechanic	PCP	RMC Group Personnel	RMC Group Personnel
Truck and Package Inspection and Survey	Radiation Prot. Personnel/ RMC Group	RAD.304 PCP	Radiation Prot. Supervisor/ RMC Group	RMC Group Personnel/Radiation Protection
Radioactive Shipping Record	RMC Group	RAD.304/PCP	RMC Group	RMC Group
Prior Notification	RMC Group	PCP	RMC Group	RMC Group

*RMC = Radioactive Material Control

RESPONSIBILITY BY WASTE TYPE

COMPRESSIBLE WASTE

PROCESS	PERFORMED BY	PROCEDURE	SUPERVISED BY	VERIFIED BY
Waste Transport to Drumming Room	Contract/Maint. Personnel	RAD.303	RMC Group Personnel	RMC Group Personnel
Baler Operation	Contract Personnel	RAD.303	RMC Group Personnel	RMC Group Personnel
Radioactive Content-Isotopic Ratio	Radiation Prot./ Chemical Tech.	RAD.304	Radiation Prot. Supervisor/ RMC Group	Radiation Protection Supervisor/RMC Group Personnel
Package Sealed and Labeled	Contract Personnel/RMC Group	RAD.303	RMC Group Personnel	RMC Group Personnel
Package Quality Verification	RMC Group Personnel	RAD.303/PCP	RMC Group Personnel	RMC Group Personnel
Truck Loading	Maintenance Mechanic/Contract Personnel	PCP	RMC Group Personnel	RMC Group Personnel
Truck and Package Inspection and Survey	Radiation Prot. Personnel/ RMC Group	RAD.304/PCP	Radiation Prot. Supervisor/ RMC Group	RMC Group Personnel/Radiation Protection
Radioactive Shipping Record	RMC Group Personnel	RAD.304/PCP	RMC Group Personnel	RMC Group Personnel
Prior Notification	RMC Group	PCP	RMC Group	RMC Group

*RMC = Radioactive Material Control

RESPONSIBILITY BY WASTE TYPE

EVAPORATOR CONCENTRATES

PROCESS	PERFORMED BY	PROCEDURE	SUPERVISED BY	VERIFIED BY
Evaporator Operation and Concentrates Transfer	Utility Operator Auxiliary Equip. Operator	12 OHP 4021.022.008 1 OHP 4021.022.009	Unit Supervisor Assistant Shift Supervisor	Unit Supervisor Assistant Shift Supervisor
Solidification	Contract Personnel	Process Control Plan	RMC Group Personnel	RMC Group Personnel
Water Removed By	Contract Personnel	Process Control Plan	RMC Group Personnel	RMC Group Personnel
Product Quality Verification	RMC Group Personnel	Process Control Plan	RMC Group Personnel	RMC Group Personnel
Activity-Curie Content	RMC Group	Process Control Plan RAD.304	RMC Group	RMC Group
Activity-Isotopic Ratio	Chemical Technician	LAB.141	Chemical Supervisor	Chemical Supervisor/ RMC Group Personnel
Package Sealed and Labeled	Contract Personnel/ RMC Group	RAD.304	RMC Group Personnel	RMC Group Personnel
Package Quality Verification	RMC Group Personnel	Process Control Plan RAD.304	RMC Group Personnel	RMC Group Personnel
Truck Loading	Maintenance Personnel	PCP	RMC Group Personnel	RMC Group Personnel
Final Truck and Package Inspection and Survey	Radiation Prot. Personnel/ RMC Group	RAD.304/PCP	Radiation Prot. Supervisor/ RMC Group	RMC Group Personnel/Radiation Protection
Radioactive Shipping Records	RMC Group Personnel	RAD.304/PCP	RMC Group Personnel	RMC Group Personnel
Prior Notification	RMC Group	PCP	RMC Group	RMC Group

*RMC = Radioactive Material Control

RESPONSIBILITY BY WASTE TYPE

FILTERS

PROCESS	PERFORMED BY	PROCEDURE	SUPERVISED BY	VERIFIED BY
Vent - Drain Filter Housing	Utility Operator Auxiliary Equip. Operator	1 OHP 4021.003.008 2 OHP 4021.003.008 1 OHP 4021.003.009 2 OHP 4021.003.009 PCP	Unit Supervisor Assistant Shift Supervisor	Unit Supervisor Assistant Shift Supervisor
Filter Removal and Transfer to Drumming Room	Maintenance Personnel	MHP 5021.001.001 RAD.303	Radiation Prot./ Maintenance Supervisor	Radiation Protec./ Maintenance Personnel
Barrel Filling	Maintenance Personnel	MHP 5021.001.001 RAD.303	Radiation Prot./ Maintenance Supervisor	Radiation Protec. Supervisor/Envir. Personnel
Package Sealed and Labeled	Radiation Prot./ Contract Personnel RMC Group	RAD.304	Radiation Prot. Supervisor/ RMC Group	Radiation Protec./ RMC Group Personnel
Radioactive Content Isotopic Ratio	Radiation Prot./ Chemical Technician	PCP	Radiation Protection Supervisor	Radiation Protec. Supervisor RMC Group
Package Quality Verification	RMC Group Personnel	RAD.304 PCP	RMC Group Personnel	RMC Group Personnel
Loading into Cask	Maintenance Mechanic/Contract	ENV.021 ENV.022	RMC Group Personnel	RMC Group Personnel
Cask Closure	Maintenance Mechanic/Contract	ENV.021	RMC Group Personnel	RMC Group Personnel
Truck and Cask Inspection-Survey	Radiation Prot./ RMC Group Personnel	RAD.304 PCP	Radiation Prot. Supervisor/ RMC Group	Radiation Prot. Supervisor/Envir. Personnel
Radioactive Shipping Record	RMC Group Personnel	RAD.304/ PCP	RMC Group Personnel	RMC Group Personnel
Prior Notification	RMC Group	PCP	RMC Group	RMC Group

*RMC = Radioactive Materials Control

USE THIS NO ON ALL CONTINUATION PAGES → 103221

GENERATOR NUMBER

(1) GENERATOR NAME
ADDRESS
CITY STATE ZIP
CONTACT PHONE
USER PERMIT # SHIPMENT #

(2) BILL PHYSICAL CHARGES TO
NAME PURCHASE ORDER #
ADDRESS
CITY STATE ZIP

REV 5/87

RADIOACTIVE WASTE SHIPMENT & DISPOSAL MANIFEST

USEcology Nuclear US Ecology, Inc an American Ecology company

EXECUTIVE OFFICE: (502) 426-7160
P.O. BOX 7246 • LOUISVILLE, KENTUCKY 40207

(3) AGENT/BROKER
BROKER'S US ECOLOGY #
ADDRESS
CITY STATE ZIP
CONTACT PHONE
BROKER SHIPMENT # BROKER USER PERMIT #

Broker's Authorized Signature Acknowledging Waste Receipt Date

PAGE 1 OF

(4) CONSIGNED TO US Ecology, Inc
[ ] P.O. BOX 638 Hanford Reservation Richland WA 99352 509 377 2411
[ ] P.O. BOX 578 HWY 95 12 mi. S. of Beatty NV 89003 702 553 2203
[ ] OTHER
CONTACT
ADDRESS
CITY STATE ZIP
PHONE

(5) CARRIER SHIPPING DATE
CARRIER EPA # (if any)
ADDRESS
CITY STATE ZIP
PHONE
CASK TYPE CASK SURFACE EXPOSURE RATE mR/hr

TOTAL FOR EACH CLASS — # OF PACKAGES	WEIGHT (Pounds)	REPORTABLE QUANTITY NAME (if any)	PROPER SHIPPING NAME & HAZARD CLASS (PER 49 CFR 172.101)	ID NUMBER
			Radioactive Material, fissile, n.o.s. — Radioactive Material	UN2918
			Radioactive Material, low specific activity, n.o.s. — Radioactive Material	UN2912
			Radioactive Material, n.o.s. — Radioactive Material	UN2982
			Radioactive Material, limited quantity, n.o.s. — Radioactive Material	UN2910
			Radioactive Material, special form, n.o.s. — Radioactive Material	UN2974
			Radioactive Material, instruments and articles — Radioactive Material	UN2911
			Uranyl Acetate (RQ 5000/2270) — Radioactive Material	NA9180

(7) SHIPMENT TOTALS (DO NOT WRITE IN SHADED AREAS)

VOLUME (Cu ft)	TOTAL # OF PACKAGES	SOURCE MATERIAL (kgs)	SPECIAL NUCLEAR MATERIAL (grams) — U 233	U 235	PLUTONIUM	TOTAL

ACTIVITY

ACTIVITY TOTALS [ ] Curies [ ] Millicuries (10CFR20.311)	TRITIUM	C 14	Tc 99	I 129	ALL ISOTOPES

(8) THIS IS TO CERTIFY THAT THE HEREIN NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN [illegible] CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION AND ARE IN COMPLIAN[CE] ALL REQUIREMENTS APPLICABLE AT THE DESIGNATED DISPOSAL SITE AND THAT THE MATERIALS ARE CLASSIFIED AND DESCRIBED IN ACCORDANCE W[ITH] REQUIREMENTS OF 10CFR PART 61 AND PART 20.311 OR EQUIVALENT STATE REGULATIONS

Authorized Signature Title Date

TERMS AND CONDITIONS

A. TITLE. Upon inspection and acceptance at the disposal site by US Ecology and all appropriate regulatory authorities, title to the Waste which conforms to Company's representations herein shall thereupon transfer from the Customer and be vested in US Ecology

B. WASTE PRODUCTS. Customer represents and warrants that data set forth in this Radioactive Waste Shipment & Disposal Manifest is true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and the designated facility license

C. INDEMNIFICATION. Customer agrees to indemnify US Ecology, its officers, employees and agents against all loss and liability whatsoever if such loss or liability results from the failure of the Waste to conform in all material respects to the data supplied on the Radioactive Waste Shipment & Disposal Manifest or this shipment fo[ils to] meet the standards prescribed by the Department of Transportation or any other governmental agency having jurisdiction over such matters.

FOR USECOLOGY'S USE ONLY

TYPE OF CONTAINER	CONTAINER VOLUME CU FT	# OF PKGS	CU FT PER CONTAINER TYPE
DRUMS			
OVERPACK			
55	7.50		
30	4.01		
5	0.67		
OTHER			
BOXES			
1st SIZE			
2nd SIZE			
3rd SIZE			
CASK LINERS			
OTHER			
OTHER			
SHIPMENT TOTALS			

LOAD EVALUATION

CHECK ALL THAT APPLY TO THIS LOAD. DESCRIBE INADEQUACIES IN COMMENT SECTION

[ ] Manifest Waste Description Inadequate
[ ] Contamination or Leakage Detected
[ ] Unexpected Exposure Rates Detected
[ ] No Violations Detected on this Load
[ ] Bracing Inadequate
[ ] Labels, Markings, etc. Inadequate
[ ] Container Integrity Inadequate
[ ] Other

DESCRIBE THE EXTENT OF ANY VIOLATION CHECKED ABOVE AND THE REMEDIAL ACTION TAKEN

[ ] CHECK HERE IF A SUPPLEMENTAL REPORT IS ATTACHED

BURIAL DATA

CONTAINER SEPARATION
(Circle all that apply to this load)
CODES [illegible]

WASTE CATEGORY	[illegible]	CLASS A	CLASS B	CLASS C
DEPTH IN FEET				

Date Received
Date Disposed
Trench No
[ ] This material meets licensed limits
[ ] This material was disposed of in accordance with license
AUTHORIZED INITIALS

US ECOLOGY INVOICE #
US ECOLOGY CUSTOMER # (Must agree with Agent named in Block 2)
US ECOLOGY INVOICE DATE MO DY YR
DISCREPANCY CODE(S)

BATES #

CONSIGNEE ORIGINAL COPY
(MUST ACCOMPANY WASTE IN TRANSIT)

GENERATOR NO [ ][ ]-[ ]-[ ]

USEcology Nuclear US Ecology Inc. an American Ecology Company

GENERATOR NAME _____

AGENT/BROKER _____

CONTINUATION SHEET

REV 5/97

FOR BROKER USE ONLY
Indicate one category for this page
☐ This page describes PROCESSED waste
☐ This page describes COLLECTED waste

MANIFEST # _____

PAGE _____ OF _____

(9) # of Containers	(10) Container Type	(11) Container Weight (Lbs. Kg.)	(12) Container Weight (Gross)	(13) Physical Form	(14) Waste Description (Limit 3) (See Note #1)	(15) Supplemental Waste Identification Number (Limit 3) (See Note #2)	(16) Chemical Form/ Oxidizing Agent (NUCFRM 311)	Check Below if (16) Oxidizing Agent by Weight	(17) Radionuclide (NUCFRM 311)	(18) Activity ☐ Curies ☐ Millicuries (NUCFRM 311)	(19) Special Nuclear Material (Grams)	(20) Source Material (Pounds)	(21) Waste Class (NUCFRM 61.55)	(22) Stability (NUCFRM 61.56)	Radiation Levels mR/HR (23) Dose Rate Contact Surface	(24) Dose Rate at 1 Meter Surface	(25) Dose Rate Contact at 1 Meter	(26) Transport Index	(27) Waste Class	(28) 6 0 1 Land (40 CFR 61.7) 444
																				Radioactive —
																				Radioactive —
																				Radioactive —

BARNWELL WASTE MANAGEMENT FACILITY

Operated by: CHEM-NUCLEAR SYSTEMS, INC.
P.O. Box 726, Barnwell, South Carolina 29812
(803) 259-1781
RADIOACTIVE SHIPMENT MANIFEST FORM

(1) GENERATOR NAME _____
ADDRESS _____
_____
CITY _____ STATE _____
CONTACT _____ PHONE _____

(2) consigned to:
CHEM-NUCLEAR SYSTEMS, INC
PO BOX 726; OSBORN ROAD
BARNWELL, SC 29812

(3) USE THIS NUMBER ON ALL CONTINUATION PAGES — SHIPMENT ID NUMBER _____ PAGE ____ OF ____

CARRIER _____ ADDRESS _____
TELEPHONE _____ SHIPPING DATE _____
SHIPMENT TYPE _____ SHIPMENT SURFACE EXPOSURE _____ mR/hr
CASK IDENTIFICATION NO USA/ _____ /
SHIPMENT NO _____ LINER SERIAL NO _____
DRIVER SIGNATURE _____ DATE _____

(4) NO. OF PACKAGES	(4) WEIGHT (KILOGRAMS)	(4) PROPER SHIPPING NAME AND DESCRIPTION OF CONTENTS (INCLUDE CHEMICAL SYMBOLS)	(4) HAZARD CLASS	(4) ID NUMBER
		Radioactive Material, empty packages		UN2908
		Radioactive Material, basic, n.o.s. Radioactive Material		UN2910
		Radioactive Material, low specific activity (LSA), Radioactive Material		UN2912
		Radioactive Material, n.o.s. Radioactive Material		UN2982
		Radioactive Material, limited quantity of Radioactive Material		UN2910
		Radioactive Material, special form, n.o.s. Radioactive Material		UN2974
		Radioactive Material, instruments and articles, Radioactive Material		UN2911
		Dose Gauges		UN2911

(6) SHIPMENT TOTALS

DISPOSAL VOLUME (Cubic Feet)	TOTAL NO OF PACKAGES	ACTIVITY (10CFR20.311) MilliCuries					SOURCE (Pounds)
		ALL ISOTOPES	TRITIUM	C-14	Tc-99	I-129	

(7) TOTAL SNM

ISOTOPE	GRAMS
U-233	
U-235	
TOTAL	

(8) TOTAL PALLET VOLUME (CU FT) _____

(9) MINIMUM % FILL FOR STABILIZATION PROCESS _____

(10) WASTE DESCRIPTION _____

(11) PHYSICAL FORM/ SOLIDIFICATION AGENT _____

(12) CHEMICAL FORM AND NAME AND % OF CHELATING AGENT(S) _____

(13) WASTE FORM CLASS ☐ A ☐ U ☐ D ☐ AS ☐ B ☐ U ☐ C

(14) ( ) Yes ( ) No THIS VEHICLE IS CONSIGNED EXCLUSIVE USE. LOADING AND UNLOADING MUST BE ACCOMPLISHED BY CONSIGNOR OR CONSIGNEE OR HIS DESIGNATED AGENT

(15) IMPORTANT. "This is to certify that the above-named materials are properly classified, described, packaged, marked,and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Signature _____
Company _____ Date _____

(16) "Certification is hereby made to the South Carolina Department of Health and Environmental Control that the shipment of low-level radioactive waste has been inspected in accordance with the requirements of South Carolina Radioactive Material License No 087 as amended, and the Nuclear Regulatory Commission's License No 12-13536-01 as amended, and the effective Barnwell Site Disposal Criteria within 48 hours prior to shipment, and further certification is made that the inspection revealed no items of non-compliance with all applicable laws, rules and regulations"

Date _____ By _____
Title and Organization _____
Telephone No ( ) _____

CNSI USE ONLY

☐ This material meets all license requirements
☐ This material was disposed of in accordance with license
☐ Discrepancy _____

Date _____
Authorized Signature _____ Title _____

DISPOSAL SITE COPY

Form No. CNS-201
(6-86)

SEE INSTRUCTIONS ON REVERSE SIDE FOR FILLING OUT THIS FORM

Arrival Date _____ Arrival Survey No _____
Date/Time Buried _____ H P Initial _____
Trench No _____ Location Code _____
Waste Class Code _____
Trench No _____ Location Code _____
Waste Class Code _____
Personnel Exposure _____ (m Rem)

BARNWELL WASTE MANAGEMENT FACILITY
Operated by: CHEM-NUCLEAR SYSTEMS, INC.

CONTINUATION SHEET

GENERATOR NAME ______________________

USE THIS NUMBER ON ALL CONTINUATION PAGES — SHIPMENT ID NUMBER ______________

PAGE _____ OF _____

(17) ITEM NO	(18) RADIO NUCLIDE EACH CONTAINER	(19) PERCENT OF ACTIVITY OR mCi OF EACH NUCLIDE	(20) ACTIVITY EACH CONTAINER (mCi)	(21) PHYSICAL FORM	(22) CHEMICAL FORM AND NAME & % OF CHELATING AGENT	(23) WASTE DESCRIPTION	(24) WASTE FORM CLASS	(25) SPECIAL NUCLEAR MATERIAL (grams)	(26) SOURCE MATERIAL (pounds)	DISPOSAL CONTAINER (27) CONTAINER WEIGHT (pounds)	(28) CONTAINER VOLUME (Cu Ft)	(29) CONTAINER TYPE	(30) RADIATION LEVELS CONTAINER SURFACE (mR/HR)	(31) 1 METER (mR/HR)	(31) CONTAMINATION CONTAINER SURFACE (DPM/100cm2) Alpha Beta Gamma	(32) FISSILE CLASS	(33) LABELS/MARKINGS USED
																	Radioactive
																	Radioactive -
																	Radioactive
																	Radioactive -
																	Radioactive -
																	Radioactive -
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Form No. CNS 201
(6-86)

DISPOSAL SITE COPY

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
OLYMPIA, WASHINGTON

LOW-LEVEL RADIOACTIVE WASTE SHIPMENT CERTIFICATION FOR
COMMERCIAL GENERATOR/PACKAGERS, AND BROKERS AND CARRIERS

The following certification, completed as applicable, is made to the State of Washington:

Certification is hereby made to the State of Washington that Radiation Shipment Record No. ________ of low-level radioactive waste has been inspected in accordance with requirements of the Governor of Washington's Executive Order dated November [illegible], prior to its shipment. Further certification is made that the inspection has revealed no items of non-compliance with all applicable laws, rules and regulations.

The undersigned shall indemnify and hold harmless the State of Washington, in an amount not to exceed $1,000,000.00 per individual who may be injured, provided that indemnification shall not exceed $3,000,000.00 in total, for each occurrence, from any and all claims, suits, losses, damage, injury and expenses to any person whomsoever or to property arising or growing out of or in any manner connected with the activities performed under this order.

Except for any violation of applicable existing state or federal statute or regulation respecting packaging and shipment, inspection and acceptance of any item, or container or material covered by this certification by the State of Washington or a duly authorized contractor shall release the party who executes this certificate from any and all requirement of indemnification from injury or loss.

SECTION A:
FOR THE GENERATOR/PACKAGER: ______________________________
(COMPANY NAME)

PERMIT NUMBER: ______________

VOLUME OF WASTE IN THIS SHIPMENT: ______________________________

DATE: ______________ BY: ______________________________

TITLE: ______________________________

SECTION B:
FOR THE BROKER: ______________________________
(COMPANY NAME)

PERMIT NUMBER: ______________

VOLUME OF WASTE IN THIS SHIPMENT: ______________________________

DATE: ______________ BY: ______________________________

TITLE: ______________________________

SECTION C:
FOR THE CARRIER: ______________________________
(COMPANY NAME)

VOLUME OF WASTE IN THIS SHIPMENT: ______________________________

DATE: ______________ BY: ______________________________

TITLE: ______________________________

[illegible]
[illegible] 301

STATE OF NEVADA
DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH
BUREAU OF COMMUNITY HEALTH PROTECTION SERVICES
CAPITOL COMPLEX
CARSON CITY, NEVADA 89710

TELEPHONE
(702) 885-4740

LOW-LEVEL RADIOACTIVE WASTE SHIPMENT CERTIFICATION

As required by Executive Order dated July 24, 1979, issued by the Governor of the State of Nevada, the following certification, as applicable, is made to the State of Nevada:

SECTION 1: _____

GENERATOR/PACKAGER: _____
(Company Name)

Certification is hereby made to the State of Nevada that shipment no. _____ of low-level radioactive waste has been inspected in accordance with requirements of the Governor of Nevada's Executive Order dated July 24, 1979, prior to its shipment and further certification is made that the inspection has revealed no items of non-compliance with all applicable laws, rules and regulations. It is further certified that in the case of solidified waste, there is no free-standing liquid in any container in this shipment.

BY: _____

DATE: _____ TITLE: _____

SECTION 2: _____

BROKER: _____
(Company Name)

Certification is hereby made to the State of Nevada that shipment no. _____ of low-level radioactive waste has been inspected in accordance with the requirements of the Governor of Nevada's Executive Order dated July 24, 1979, prior to its shipment and further certification is made that the inspection has revealed no items of non-compliance with all applicable laws, rules and regulations.

BY: _____

DATE: _____ TITLE: _____

SECTION 3: _____

CARRIER: _____
(Company Name)

Certification is hereby made to the State of Nevada that the vehicle transportation shipment no. _____ of low-level radioactive waste is properly placarded and that the load is secure for transport and that all shipping papers as required by the United States Department of Transportation (U. S. DOT) have been properly executed and delivered.

BY: _____

DATE: _____ TITLE: _____

BY: _____

DATE: _____ TITLE: _____

BY: _____

CERTIFICATION

THIS IS TO CERTIFY THAT I HAVE READ AND UNDERSTAND THE REQUIREMENTS OF LICENSE #13-11-0043-02 ISSUED TO U.S. ECOLOGY, INC. BY THE NEVADA DEPARTMENT OF HUMAN RESOURCES FOR THE RECEIPT AND DISPOSAL OF RADIOACTIVE MATERIALS AT BEATTY, NEVADA, AS DESCRIBED IN PARAGRAPHS 5.1.1.3; 5.1.1.4; 5.1.1.5; 5.1.1.6 and 5.4.6.1 OF THE U.S. ECOLOGY, INC. SITE OPERATIONS MANUAL, AND I FURTHER CERTIFY THAT THE MATERIALS IN THIS SHIPMENT ARE IN CONFORMITY WITH THOSE REQUIREMENTS.

_____
COMPANY

_____
AUTHORIZED SIGNATURE

_____
TITLE

_____
DATE

INSTRUCTIONS TO DRIVERS OF EXCLUSIVE USE VEHICLES

This shipment is to be maintained as an exclusive use shipment. Loading must be performed by a single consignor having the exclusive use of the vehicle. Unloading must be done by the consignee, and only at the designated destination.

Loading and unloading must be performed by personnel having radiological training and resources appropriate for safe handling of the consignment.

Repositioning or movement of any loaded material without the permission of the consignor is prohibited.

Delays in delivery to the consignee must be minimized to the extent practicable.

DATE/INITIAL _____

CARRIER _____

SHIPMENT NO. _____

MICHIGAN PUBLIC HEALTH/INDIANA STATE POLICE NOTIFICATION FORM

A. CARRIER'S NAME _____

B. COLOR AND NUMBER OF CAB (IND. ONLY) LICENSE NO. AND STATE _____

C. COLOR, NUMBER, AND LENGTH OF TRAILER (IND. ONLY) LICENSE NO. AND STATE _____

D. ROUTE FROM PLANT THROUGH MICHIGAN AND INDIANA _____

E. TYPE AND DESCRIPTION OF CONTAINER _____

F. DESCRIPTION OF SHIPMENT _____

G. TOTAL CURIE CONTENT OF SHIPMENT _____

H. MAXIMUM RADIATION LEVEL IN MR/HR AT 2 METERS FROM TRAILER _____

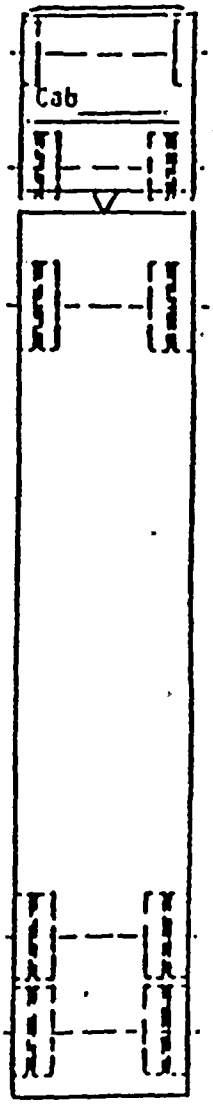
I. TIME AND DATE OF SHIPMENT _____

J. COMPANY NAME Indiana Michigan Power, D. C. Cook Plant, Bridgman, MI.

K. YOUR NAME _____

RADIOACTIVE MATERIAL SHIPMENT SURVEY SHEET

INCOMING SURVEY - FLATBED



CONTAMINATION LEVEL

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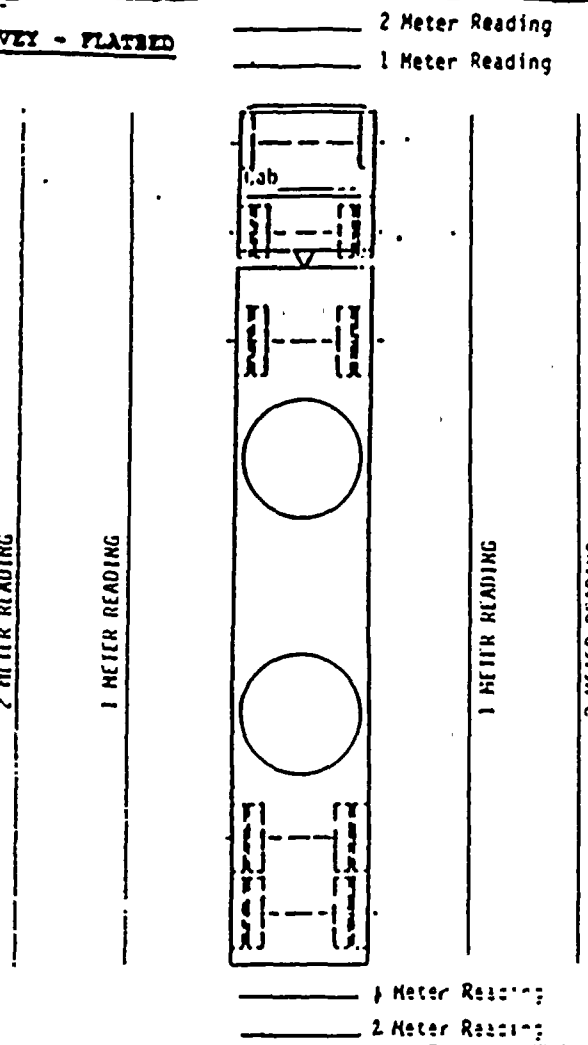
CONTAMINATION LEVEL

TECH	DATE/ TIME	MST NO
CARRIER TLR NO.		

RADIOACTIVE MATERIAL SHIPMENT SURVEY SHEET

OUTGOING SURVEY - FLATBED



CONTAMINATION LEVEL

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CONTAMINATION LEVEL

TECH.	DATE/TIME	INST. NO.
CARRIER/TLR NO.		

MAXIMUM RADIATION LEVELS

CONTACT TO TOP OF CONTAINER/TRUCK _____ mR/HR

CONTACT TO BOTTOM OF CONTAINER/TRUCK _____ mR/HR

CONTACT TO CONTAINER _____ mR/HR

AT ONE METER _____ mR/HR

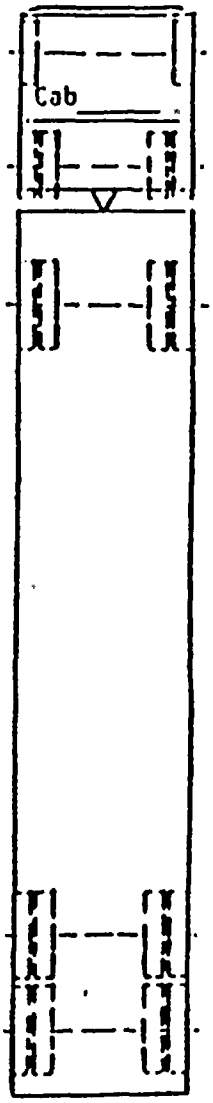
AT TWO METERS _____ mR/HR IN CAB _____ mR/HR

THIS SIGNATURE IS TO CERTIFY THAT THIS SURVEY OF THE TRANSPORT VEHICLE IS CORRECT ACCORDING TO THE APPLICABLE RECULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

_____
PLANT RP SUPERVISOR OR DESIGNEE

RADIOACTIVE MATERIAL SHIPMENT SURVEY SHEET

INCOMING - VAN OR RAGTOP



CONTAMINATION LEVEL
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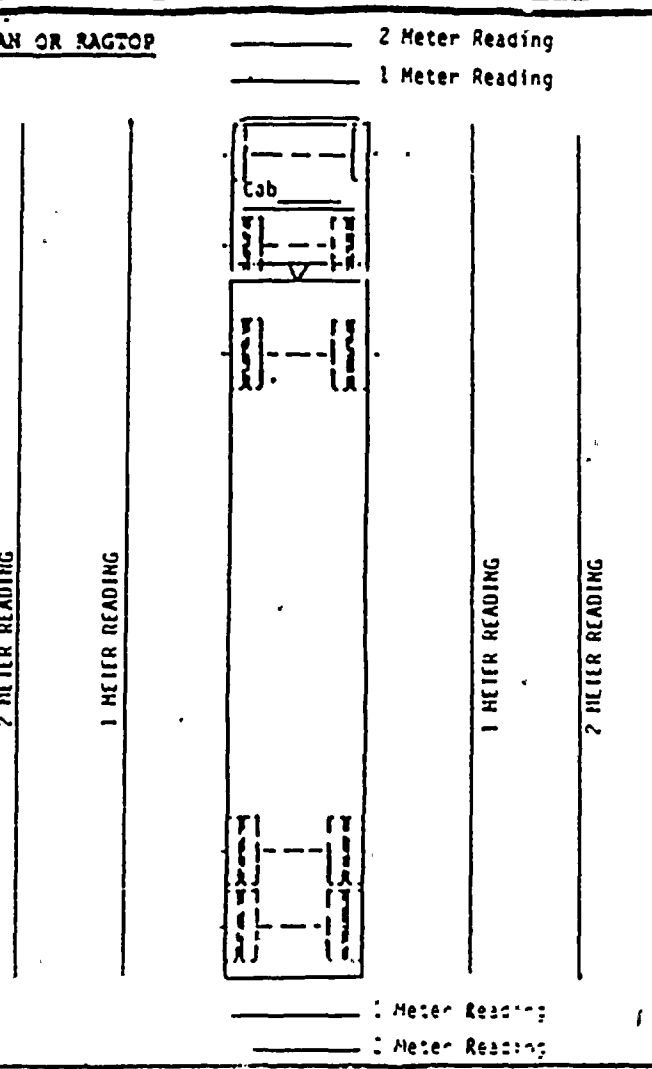
CONTAMINATION LEVEL

TECH.	DATE/ TIME	INST NO.
CARRIER / TLR NO.		

RADIOACTIVE MATERIAL SHIPMENT SURVEY SHEET

OUTGOING - VAN OR RAGTOP



CONTAMINATION LEVEL

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CONTAMINATION LEVEL

TECH.	DATE/TIME	INST. NO.
CARRIER/TLR NO.		

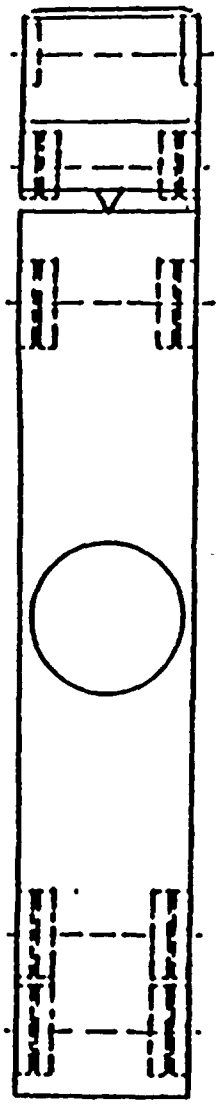
MAXIMUM RADIATION LEVELS	
CONTACT TO TOP OF CONTAINER/TRUCK	mR/HR
CONTACT TO BOTTOM OF CONTAINER/TRUCK	mR/HR
CONTACT TO CONTAINER	mR/HR
AT ONE METER	mR/HR
AT TWO METERS mR/HR	IN CAB mR/HR

THIS SIGNATURE IS TO CERTIFY THAT THIS SURVEY OF THE TRANSPORT VEHICLE IS CORRECT ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

PLANT RP SUPERVISOR OR DESIGNEE

RADIOACTIVE MATERIAL SHIPMENT SURVEY SHEET

INCOMING SURVEY - CASK



CONTAMINATION LEVEL
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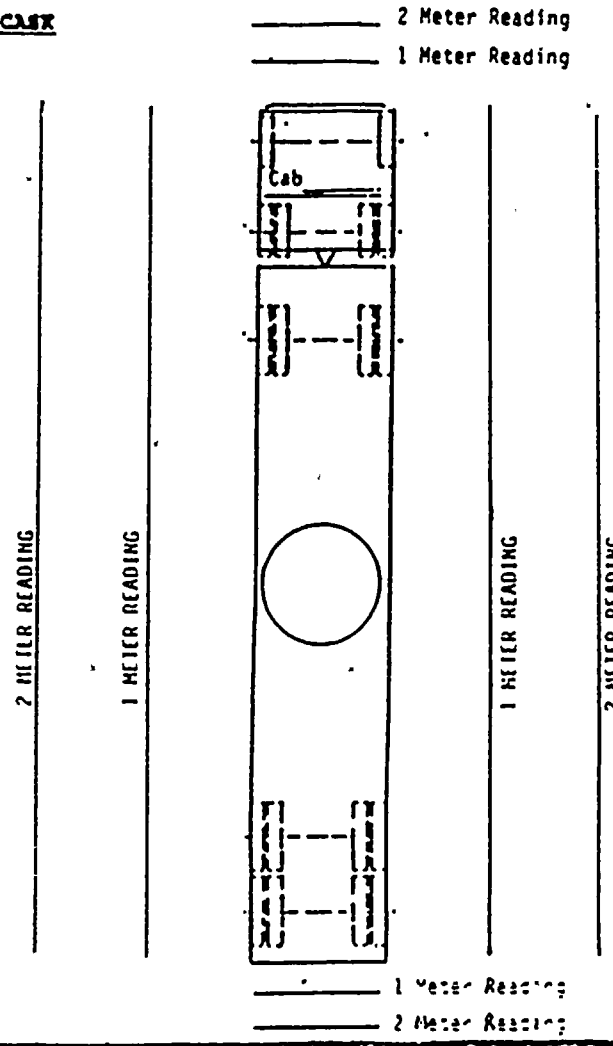
CONTAMINATION LEVEL

TECH.	DATE/ TIME	INST NO.
CARRIER / TLR NO.		

RADIOACTIVE MATERIAL SHIPMENT SURVEY SHEET

OUTGOING : CASK



CONTAMINATION LEVEL

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CONTAMINATION LEVEL

TECH.	DATE/TIME	INST. NO.
CARRIER/TLR NO.		

MAXIMUM RADIATION LEVELS	
CONTACT TO TOP OF CONTAINER/TRUCK	____ mR/HR
CONTACT TO BOTTOM OF CONTAINER/TRUCK	____ mR/HR
CONTACT TO CONTAINER	____ mR/HR
AT ONE METER	____ mR/HR
AT TWO METERS ____ mR/HR	IN CAB ____ mR/HR

THIS SIGNATURE IS TO CERTIFY THAT THIS SURVEY OF THE TRANSPORT VEHICLE IS CORRECT ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

PLANT RP SUPERVISOR OR DESIGNEE

Form RHA-CT

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Waste Shipment Certification Form

General Instructions and Information: This is a two part form to be used by shippers and carriers of radioactive waste. The certifications contained herein satisfy the requirements of Section 13-7-150, of Act No. 499 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act. This certification along with a copy of the prior notification form shall accompany each shipment of radioactive waste into and within the State of South Carolina. The shipper is to complete his portion of the form and present it to the carrier as part of the shipping documents. Upon receipt, the carrier shall complete his portion of the form. Upon delivery of the shipment to the consignee, a copy of this certification form, and a copy of the Prior Notification and Manifest form with the consignee acknowledgement, shall be returned to the Department.

Part I: Shipper's Certificate of Compliance

1. Name of Shipper and Address:	2. Shipment Identification No.
Telephone No. ( )	3. Transport Permit No.

In compliance with Act No. 499 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act, I hereby certify on behalf of the above-named shipper to the South Carolina Department of Health and Environmental Control that the above-named shipper has complied with all provisions of Act No. 499 of 1980, and all applicable laws and administrative rules and regulations, both State and Federal, regarding the packaging, transportation, storage, disposal and delivery of such wastes. I further certify that this shipment of radioactive waste has been inspected within 48 hours of the time of departure and that no items of non-compliance with applicable laws, rules or regulations were found.

Date _____

Typed Name and Title of Agent of Shipper

Signature

Part II: Carrier's Certification

1. Name of Carrier and Address:	2. Shipment Identification No.
Telephone No. ( )	3. Transport Trailer No.
4. Scheduled Date of Departure of Shipment:	5. Estimated Date of Arrival of Shipment:

Certification is hereby made to the South Carolina Department of Health and Environmental Control that: (a) the shipper has provided the carrier with a copy of the shipment manifest, the certificate of compliance, and the routing instructions; (b) the shipment of radioactive waste has been properly placarded for transport according to applicable U.S. Department of Transportation Regulations; (c) all shipping papers originated or reproduced by the carrier have been properly executed; (d) the transport vehicle has been inspected according to applicable State and Federal regulations within the prescribed intervals and that all safety and operational components are in good working order and meet the requirements of regulations; (e) all drivers who will operate the vehicle within the State of South Carolina are qualified to transport hazardous materials as specified by applicable U.S. Department of Transportation regulations; (f) the Department shall be immediately notified of any variance, occuring after departure, from the shipper's notification of primary routes in South Carolina and estimated date of arrival; (g) all applicable laws and administrative rules and regulations, both State and Federal, regarding the transportation of radioactive wastes will be complied with.

Date _____

Typed or Printed Name and Title

Signature

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Waste Shipment Prior Notification and Manifest Form

[Failure to Complete ALL Entries Will Result in Return of Form and Constitute Noncompliance.]

See Reverse Side for Instructions

1. Name and Address of Shipper/Generator:	2. Person Responsible for Waste Shipment: a) Name: b) Title: c) Telephone:( )
3. Radioactive Waste Transport Permit No.	4. Shipment Identification No.:
5. Location from which waste will be shipped:	6. Name and Address of Consignee:
7. Scheduled Date of Departure of Shipment:	8. Estimated Date of Arrival of Shipment:

9. Carrier:	10. Trailer No. & Owner: (if available)	11. Type Transport Vehicle:

12. Routes shipment will follow in State of South Carolina (Be Specific):

13. Type Package or Cask Model No.:	14. Type Container in Cask:	15. Package or Cask Spec.:

16. Complete Waste Description (Be Specific):

17. Physical & Chemical Form:	18. Total No. of Packages:	19. Prominent Radionuclides:
20. Total Curies:	21. Waste Class & Stability:	22. Total Cubic Feet:
23. DOT Sub Type:	24. DOT Class. & Hazard Class UN No.:	25. Hwy. Route Controlled: (Large Quantity) [ ] Yes [ ] No

Certification

I hereby certify on behalf of the above-named shipper/generator to the South Carolina Department of Health and Environmental Control that the information provided herein is complete and correct to the best of my knowledge; and that the shipper/generator has complied with all the provisions as required by Act No. 429 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act, and Department Regulation 61-63.

Date_____ Typed Name

Signature of Consignee's Authorized Representative

Certified Acknowledgement

This acknowledges to the South Carolina Department of Health and Environmental Control that the above-described radioactive waste shipment was received.

Date of Delivery

Signature of Consignee's Authorized Representative

Typed or Printed Name and Title

DHEC 802 (Rev. 10/84)

(Copies of this form may be reproduced locally as needed)

DONALD C. COOK NUCLEAR PLANT

RADIOACTIVE WASTE SHIPMENT NOTIFICATION

Telecon Date_____ Person Notified_____

ARRIVAL DATE	SHIPMENT DATE	DEPARTURE TIME	VEHICLE TYPE	CURIE CONTENT (EST)	BURIAL SITE DESTINATION	SHIPMENT DESCRIPTION	COMMENTS

RADIOACTIVE WASTE SHIPMENT CHECK OFF SHEET

Prior to Shipment Date

Shipment No._____ Allocation No._____

Prior Notification Forms Mailed/Telecopied

Requirement: Received by South Carolina DHEC and CNSI VAP/PNP Department 72 hours prior to shipment entering South Carolina.

	Date	Initial
Barnwell South Carolina		

Prior Notification Given (Mail)

Requirement: At least seven days prior to date of shipment.

State	Date	Initial
Michigan - DPH		

Shipment Schedule Arranged - Transportation (Telephone/Mail)

Requirement: When shipping schedule has been determined with applicable Burial Site.

	Date	Initial
WHNI Personnel Contacted		
Shipment Schedule Followup (Mail)		

Date of Shipment

Michigan Public Health Notification

Requirement: Prior to shipment departure.

Date	Time	Personnel Contacted	Initial

Burial Site Notification

Requirement: To be given when shipment departs plant site.

Date	Time	Personnel Contacted	Site	Initial
			Barnwell Beatty Richland	

State Notification

Requirement: Notification given only if there is a change in the PN&M Form.

Date	Time	Personnel Contacted	State	Initial
			South Carolina	

Indiana State Police Notification - Courtesy Only

Requirement: Prior to Shipment Departure

Date	Time	Personnel Contacted	Initial

Radioactive Shipment Record (RSM) Check For Completeness

Requirement: Thorough check of every column on RSM for proper wording and correct information.

Date	Time	RSM	Initial
		Chem-Nuclear U.S. Ecology, Inc.	

Vehicle/Package Check

Date	Time	Vehicle	Initial	Package	Initial
		Placarded Surveyed		Labeled Sealed Surveyed	

Transmittal of RSM to Burial Site
Requirement: At time of shipment.

Date	Time	Site	Initial

Acknowledgement of Shipment

Requirement: Within seven (7) days after the estimated time of arrival at the designated Burial site: If acknowledgement of the shipment has not been received, initiate the requirements of 10 CFR 20.311.

Site Receipt	Date	Site Representative
Barnwell		
Beatty		
Richland		

Plant Receipt Date	Initial

1 Filter Elements
2 Dewatering Line
3 Mixer Assembly
4 Deflection Cone
5 Drive Connection

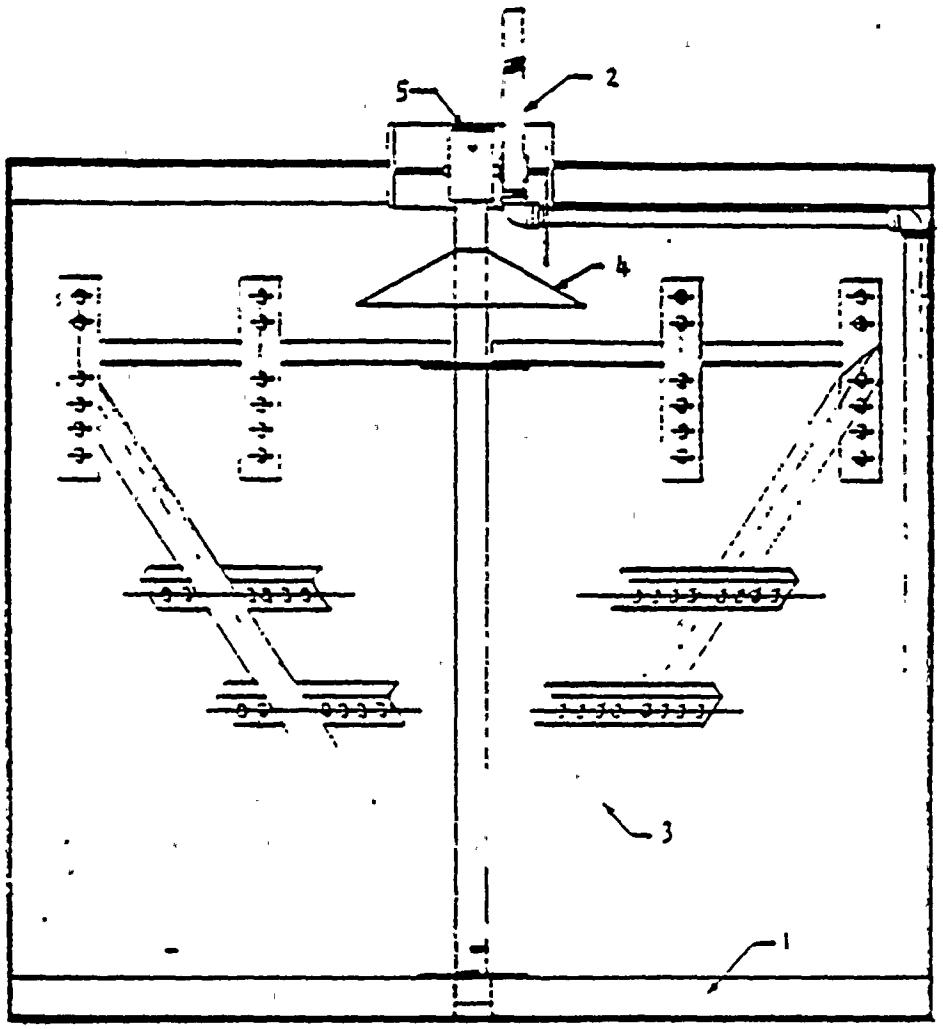

FIGURE III
HN-100 Liner
In-Container Cement Solidification

FILTER CHANGE SIGN-OFF SHEET

NOTE: The time period between Step 1 and Step 2 must be greater than or equal to 15 minutes.

OPERATIONS — DATE / TIME / BY

STEP 1: Filter-Vented and Drained (Clearance hung). Place this form on RWP Paper at job site. _____/_____/_____

MAINTENANCE

STEP 2: Verify drum contains no absorbent material _____/_____/_____
Remove Filter, Transport to 587' Drumming Room and place in Drum (time filter removed from housing).
_____/_____/_____

NOTE: Filter must not have a continuous flow of water coming from it. It should only be dripping.

CAUTION: Use extreme care, when placing the filter into the receiving barrel to avoid spreading contamination.

STEP 2 time minus STEP 1 time =

Total Drain Time_____Minutes _____/_____/_____

Maintenance personnel should give form to RP personnel covering the job.

RADIATION PROTECTION

Filter_____ Drum Location_____

Filter type_____ Contact Rad. Reading_____

Drum Number_____ 1m Radiation Reading_____

_____/_____/_____

After completion of this sneet, RP should forward it to the Radioactive Materials Control Section.

SHEET_____ OF_____ BOX NO._____

LOW LEVEL WASTE BOX INVENTORY

NOTE: NONCOMPRESSIBLE SOLID TRASH ONLY. NO LIQUID OR LIQUID FILLED CONTAINERS.

DESCRIPTION	APPROXIMATE SIZE AND AMOUNT	DATE	INITIALS

DEMINERALIZER RESIN CALCULATION SHEET

ISOTOPE	CONCENTRATION FROM LAB	(a) FRACTION OF TOTAL CONCENTRATION	(b) τ/10	(c) EXPOSURE CONTRIBUTION (a) x (b)	TOTAL ACTIVITY IN RESIN (a) x (e)
Mn-54			0.47		
Co-57			0.09		
Co-58			0.55		
Co-60			1.32		
Ag-110m			1.43		
I-131			0.22		
Cs-134			0.87		
Cs-136			0.94		
Cs-137			0.33		
BaLa-140			2.37		
Zr-95			0.41		
Nb-95			0.42		
Sb-124			0.98		
TOTAL		1.00			

Exposure Contribution (c) = Fraction of total concentration (a) x τ/10 (b)

Exposure at 1 meter from 100 ml sample = _____ R/hr

If reading taken at 3 ft., R/hr at 1 meter = R/hr at 3 ft. x .836

_____ x .836

(B) Resin volume factor = ft^3 in cask x 283.2

= _____ x 283.2

= _____ (d)

(A) Total activity is resin = $\frac{\text{Exposure at 1 meter x resin volume factor (d)}}{\text{Total exposure contribution (c)}}$

= $\frac{(\_\_\_\_\_\text{R/hr x } \_\_\_\_\_\text{(d)}}{(\_\_\_\_\_\text{(c)}}$

= _____ Ci (e)

Performed By_____ Date_____

Approved By_____ Shipment Number_____

Instrument Type_____ Instrument Serial No._____

TRANSPORT GROUPING OF RADIONUCLIDES

Element*	Radionuclide***	Group
Actinium (89)	Ac 227	I
	Ac 228	I
Americium (95)	Am 241	I
	Am 243	I
Antimony (51)	Sb 122	IV
	Sb 124	III
	Sb 125	III
Argon (18)	Ar 37	VI
	Ar 41	II
	Ar 41 (uncompressed)**	V
Arsenic (33)	As 73	IV
	As 74	IV
	As 76	IV
	As 77	IV
Astatine (85)	At 211	III
Barium (56)	Ba 131	IV
	Ba 133	II
	Ba 140	III
Berkelium (97)	Bk 249	I
Beryllium (4)	Be 7	IV
Bismuth (83)	Bi 206	IV
	Bi 207	III
	Bi 210	II
	Bi 212	III
Bromine (35)	Br 82	IV
Cadmium (48)	Cd 109	IV
	Cd 115 m	III
	Cd 115	IV
Calcium (20)	Ca 45	IV
	Ca 47	IV
Californium (98)	Cf 249	I
	Cf 250	I
	Cf 252	I
Carbon (6)	C 14	IV
Cerium (58)	Ce 141	IV
	Ce 143	IV
	Ce 144	III
Cesium (55)	Cs 131	IV
	Cs 134 m	III
	Cs 134	III
	Cs 135	IV
	Cs 136	IV
	Cs 137	III
Chlorine (17)	Cl 36	III
	Cl 39	IV

(See footnotes at end of table.)

Element*	Radionuclide***	Group
Chromium (24)	Cr 51	IV
Cobalt (27)	Co 56	III
	Co 57	IV
	Co 58 m	IV
	Co 58	IV
	Co 60	III
Copper (29)	Cu 64	IV
Curium (96)	Cm 242	I
	Cm 243	I
	Cm 244	I
	Cm 245	I
	Cm 246	I
Dysprosium (66)	Dy 154	III
	Dy 165	IV
	Dy 166	IV
Erbium (68)	Er 169	IV
	Er 171	IV
Europium (63)	Eu 150	III
	Eu 152 m	IV
	Eu 152	III
	Eu 154	II
	Eu 155	IV
Fluorine (9)	F 18	IV
Gadolinium (64)	Gd 153	IV
	Gd 159	IV
Gallium (31)	Ga 67	III
	Ga 72	IV
Germanium (32)	Ge 71	IV
Gold (79)	Au 193	III
	Au 194	III
	Au 195	III
	Au 196	IV
	Au 198	IV
	Au 199	IV
Hafnium (72)	Hf 181	IV
Holmium (67)	Ho 166	IV
Hydrogen (1)	H 3 (see tritium)	
Indium (49)	In 113 m	IV
	In 114 m	III
	In 115 m	IV
	In 115	IV
Iodine (53)	I 124	III
	I 125	III
	I 126	III
	I 129	III
	I 131	III
	I 132	IV

(See footnotes at end of table.)

Element*	Radionuclide***	Group
[Iodine (53)]	I 133	III
	I 134	IV
	I 135	IV
Indium (77)	Ir 190	IV
	Ir 192	III
	Ir 194	IV
Iron (26)	Fe 55	IV
	Fe 59	IV
Krypton (36)	Kr 85 m	III
	Kr 85 m (uncompressed).**	V
	Kr 85	III
	Kr 85 (uncompressed).**	VI
	Kr 87	II
	Kr 87 (uncompressed).**	V
Lanthanum (57)	La 140	IV
Lead (82)	Pb 203	IV
	Pb 210	II
	Pb 212	II
Lutecium (71)	Lu 172	III
	Lu 177	IV
Magnesium (12)	Mg 28	III
Manganese (25)	Mn 52	IV
	Mn 54	IV
	Mn 56	IV
Mercury (80)	Hg 197 m	IV
	Hg 197	IV
	Hg 203	IV
Mixed fission products M.F.P.		II
Molybdenum (42)	Mo 99	IV
Neodymium (60)	Nd 147	IV
	Nd 149	IV
Neptunium (93)	Np 237	I
	Np 239	I
Nickel (28)	Ni 56	III
	Ni 59	IV
	Ni 63	IV
	Ni 65	IV
Niobium (41)	Nb 93 m	IV
	Nb 95	IV
	Nb 97	IV
Osmium (76)	Os 185	IV
	Os 191 m	IV
	Os 191	IV
	Os 193	IV
Palladium (46)	Pd 103	IV
	Pd 109	IV

(See footnotes at end of table.)

Element*	Radionuclide***	Group
Phosphorus (15)	P 32	IV
Platinum (78)	Pt 191	IV
	Pt 193	IV
	Pt 193 m	IV
	Pt 197 m	IV
	Pt 197	IV
Plutonium (94)	Pu 238 (F)	I
	Pu 239 (F)	I
	Pu 240	I
	Pu 241 (F)	I
	Pu 242	I
Polonium (84)	Po 210	I
Potassium (19)	K 42	IV
	K 43	III
Praseodymium (59)	Pr 142	IV
	Pr 143	IV
Promethium (61)	Pm 147	IV
	Pm 149	IV
Protactinium (91)	Pa 230	I
	Pa 231	I
	Pa 233	II
Radium (88)	Ra 223	II
	Ra 224	II
	Ra 226	I
	Ra 228	I
Radon (86)	Rn 220	IV
	Rn 222	II
Rhenium (75)	Re 183	IV
	Re 186	IV
	Re 187	IV
	Re 188	IV
	Re Natural	IV
Rhodium (45)	Rh 103 m	IV
	Rh 105	IV
Rubidium (37)	Rb 86	IV
	Rb 87	IV
	Rb Natural	IV
Ruthenium (44)	Ru 97	IV
	Ru 103	IV
	Ru 105	IV
	Ru 106	III
Samarium (62)	Sm 145	III
	Sm 147	III
	Sm 151	IV
	Sm 153	IV

(See footnotes at end of table.)

Element*	Radionuclide***	Group
Scandium (21)	Sc 46	III
	Sc 47	IV
	Sc 48	IV
Selenium (34)	Se 75	IV
Silicon (14)	Si 31	IV
Silver (47)	Ag 105	IV
	Ag 110 m	III
	Ag 111	IV
Sodium (11)	Na 22	III
	Na 24	IV
Strontium (38)	Sr 85 m	IV
	Sr 85	IV
	Sr 89	III
	Sr 90	II
	Sr 91	III
	Sr 92	IV
Sulphur (16)	S 35	IV
Tantalum (73)	Ta 182	III
Technetium (43)	Tc 96 m	IV
	Tc 96	IV
	Tc 97 m	IV
	Tc 97	IV
	Tc 99 m	IV
	Tc 99	IV
Tellurium (52)	Te 125 m	IV
	Te 127 m	IV
	Te 127	IV
	Te 129 m	III
	Te 129	IV
	Te 131 m	III
	Te 132	IV
Terbium (65)	Tb 160	III
Thallium (81)	Tl 200	IV
	Tl 201	IV
	Tl 202	IV
	Tl 204	III
Thorium (90)	Th 227	II
	Th 228	I
	Th 230	I
	Th 231	I
	Th 232	III
	Th 234	II
	Th Natural	III
Thulium (69)	Tm 168	III
	Tm 170	III
	Tm 171	IV

(See footnotes at end of table.)

Element*	Radionuclide***	Group
Tin (50)	Sn 113	IV
	Sn 117 m	III
	Sn 121	III
	Sn 125	IV
Tritium (1)	H 3	IV
	H 3 (as a gas, as luminous paint, or absorbed on solid material).	VII
Tungsten (74)	W 181	IV
	W 185	IV
	W 187	IV
Uranium (92)	U 230	II
	U 232	I
	U 233 (F)	II
	U 234	II
	U 235 (F)	III
	U 236	II
	U 238	III
	U Natural	III
	U Enriched (F)	III
	U Depleted	III
Vanadium (23)	V 48	IV
	V 49	III
Xenon (54)	Xe 125	III
	Xe 131 m	III
	Xe 131 m (uncompressed).**	V
	Xe 133	III
	Xe 133 (uncompressed).**	VI
Xenon (54)--Con.	Xe 135	II
	Xe 135 (uncompressed).**	V
Ytterbium (70)	Yb 175	IV
Yttrium (39)	Y 88	III
	Y 90	IV
	Y 91 m	III
	Y 91	III
	Y 92	IV
	Y 93	IV
Zinc (30)	Zn 65	IV
	Zn 69 m	IV
	Zn 69	IV
Zirconium (40)	Zr 93	IV
	Zr 95	III
	Zr 97	IV

*Atomic number shown in parentheses.
**Uncompressed means at a pressure not exceeding one atmosphere.
***Atomic weight shown after the radionuclide symbol.
m--Metastable state.
(F) Fissile material.

CERTIFICATION STATEMENT FOR DISPOSAL OF RADLOK HIGH INTEGRITY CONTAINERS

For the RADLOK high integrity containers to be disposed of at the Barnwell, South Carolina low-level radioactive waste burial facility and identified by serial number(s) _____ _____, Indiana Michigan Power Company hereby certifies that its use of such containers has complied with the Certificates of Compliance issued by the South Carolina Department of Health and Environmental Control, Bureau of Radiological Health, and all amendments thereto, as follows:

1. RADLOK-55 No. DHEC-HIC-PL-004, June 17, 1982
2. RADLOK-100 No. DHEC-HIC-PL-005, June 17, 1982
3. RADLOK-200 No. DHEC-HIC-PL-007, May 5, 1983

BY: _____

TITLE: _____

DATED: _____

SOLIDIFICATION LINER CALCULATION SHEET

LINER NO._____

BATCH NO._____

LAB I.D. NO._____ DATE_____

How many gallons of liquid waste are being disposed of?_____

Where did this liquid waste come from?_____

Formula:

Lab Gamma Spec Concentration (μCi/cc) * 3.785 * Gallons of Liquid Waste = Activity of Each Nuclide (mCi)

	Lab Concentration (μCi/cc)	Activity (mCi)
Mn-54		
Co-58		
Co-60		
Cs-134		
Cs-137		
Fe-55		
Ni-63		
H-3		
C-14		
Tc-99		
I-129		
TOTAL ACTIVITY		

DATE:_____

PERFORMED BY:_____

WASTE CLASSIFICATION TABLE

RADIONUCLIDES	CONCENTRATION LIMITS IN CURIES/ CUBIC METER*		
Group 1 (short-lived)	**Class A**	**Class B**	**Class C**
Total of all with half-life less than 5 years.....	≦700	>700	
H-3.....	≦ 40	> 40	
Co-60.....	≦700	>700	
Ni-63.....	≦ 3.5	≦ 70	≦700
Ni-63 in activated metal...	≦ 35	≦700	≦7000
Sr-90.....	≦ 0.04	≦150	≦7000
Cs-137.....	≦ 1	≦ 44	≦4600
Group 2 (long-lived)			
C-14.....	≦ 0.8		≦ 8
C-14 in activated metal....	≦ 8		≦ 80
Ni-59 in activated metal...	≦ 22		≦ 220
Nb-94 in activated metal...	≦ 0.02		≦ 0.2
Tc-99.....	≦ 0.3		≦ 3
I-129.....	≦ 0.008		≦ 0.08
	CONCENTRATION LIMITS IN NANOCURIES/ GRAM		
Alpha emitting transuranics with half-life greater than 5 years.....	≦ 10		≦ 100
Pu-241.....	≦ 350		≦ 3500
Cm-242.....	≦2000		≦20000

---

* Curies/cubic meter is equivalent to microcuries/cubic centimeter.

WASTE CLASSIFICIATION WORK SHEET

TABLE 1 ISOTOPES	CONC. µci/cc		CLASS A Limit µci/cc	CLASS A Quotient	CLASS B Limit µci/cc	CLASS B Quotient	CLASS C Limit µci/cc	CLASS C Quotient
C-14	_____	÷	8E-1=		c	_	8EO	
TC-99	_____	÷	3E-1=		c	_	3EO	
I-129	_____	÷	8E-3=		c	_	8E-2	
TRU[a]	_____	÷	1E+1=		c	_	1E+2	
Pu-241[a]	_____	÷	3.5E+2=		c	_	3.5E+3	
Cm-242[a]	_____	÷	2E+3=	_____	c	_	2E+4	_____

Σ Quotients

TABLE 2 ISOTOPES								
H-3	_____	÷	4E+1=		b	_	b	_
Co-60	_____	÷	7E+2=		b	_	b	_
Ni-63	_____	÷	3.5EO=		7E+1		7E+2	
Sr-90	_____	÷	4E-2=		1.5E+2		7E+3	
Cs-137	_____	÷	1EO=		4.4E+1		4.6E+3	
Nuclides with $t_{1/2}$ <5 yrs.			7E+2	_____	b	_____	b	_____

Σ Quotients

[a] units are nanocurie/gram
[b] no limit
[c] if class A limit is exceeded, the waste is class C

HIGH LEVEL DRUM STORAGE

SIGN-OFF SHEET

For any drum, with contents other than filters, placed in the 587' Drumming Room high level storage area the following must be completed:

Drum Number _____

Drum Location _____

Contact Rad. Level _____

1 Meter Rad. Level _____

Drum Contents _____
_____
_____
_____

Indicate whether radwaste or to be saved:

RADWASTE _____ SAVE _____

_____/_____/_____
Date Time By

After completion of this sheet, forward it to the Radioactive Materials Control Section.

CLASS "C WASTE CLASSIFICATION RECORD

Generator Name _____ Shipment ID Number _____

1. Waste description:

2. Volumes: (a) Container Volume (Ft^3) (b) Waste Volume (cm^3)

3. Container type:

4. Radiation levels: Maximum Dose Rate of Disposal Container at One (1) Foot:

5. Total curie content:

6. Radionuclide concentrations:

Radionuclides	Each Radionuclide Concentration (Microcuries/cc)	Total Activity of Each Radionuclide	Each Transuranic Concentration (Nanocuries/gm)

Total Concentrations of all Transuranics _____

CLASS "C" WASTE CLASSIFICATION RECORD

Generator Name _____ Shipment ID Number _____

7. Waste Classification Methods:

(a) Describe method:

SIGNATURE: DATE:

TITLE: COMPANY:

If a vendor is used, also include vendor's name, primary contact, and telephone number.

CERTIFICATION STATEMENT FOR DISPOSAL OF TFC HIGH INTEGRITY CONTAINERS

For the TFC high integrity containers to be disposed of at the Barnwell, South Carolina low-level radioactive waste burial facility and identified by serial number(s) _____ _____, Indiana Michigan Power Company hereby certifies that its use of such containers has complied with the Certificates of Compliance issued by the South Carolina Department of Health and Environmental Control, Bureau of Radiological Health, and all amendments thereto, as follows:

1. NUHIC-120 No. DHEC-HIC-PL-010, November 1, 1983

BY: _____

TITLE: _____

DATED: _____

RADWASTE CURIE CONTENT WORKSHEET

1. Container type: 52-gallon drum (D52)
2. Gross loaded weight . . . . . W_t = ____ lb or _____ g
3. Container empty weight . . . . W_e = 30 lb or _____ g
4. Net content weight (W_t-W_e) . . W_n = ____ lb or _____ g
5. Waste volume* . . . . . V = ____ ft^3 or _____ cc
6. Waste density (W_n/V) . . . . . ρ = ____ lb/ft^3 or _____ g/cc
7. Reference dose conversion factor and isotopic data (Reference waste density = 0.25 g/cc)

Isotope	(a) Dose Conversion (mR/hr per mCi/cc)	(b) Isotopic Fraction	(a) x (b)
Mn54	5.142×10^4		
Co58	5.049×10^4		
Co60	1.400×10^5		
Cs134	9.862×10^4		
Cs137	3.380×10^4		
Sum of last column		S =	

8. Correction to dose conversion factor for actual waste density $C = e^{-0.553(\rho-0.25)}$ (ρ in g/cc) . . . C = ____
9. Measured radiation level at 1 m . . . . . D = ____ mR/hr
10. Total activity of gamma emitters per container $A = (D * V) / (S * C)$ (V in cc) . . . . . A = ____ mCi
11. Individual gamma emitter activity

Isotope	Fraction	Activity (mCi)
Mn54		
Co58		
Co60		
Cs134		
Cs137		

*Full volume = 6.95 ft^3

RADWASTE CURIE CONTENT WORKSHEET

1. Container type: 55-gallon drum (D55)
2. Gross loaded weight . . . . . W_t = ____ lb or _____ g
3. Container empty weight . . . . W_e = 50 lb or _____ g
4. Net content weight (W_t-W_e) . . W_n = ____ lb or _____ g
5. Waste volume* . . . . . V = ____ ft^3 or _____ cc
6. Waste density (W_n/V) . . . . . ρ = ____ lb/ft^3 or _____ g/cc
7. Reference dose conversion factor and isotopic data (Reference waste density = 0.25 g/cc)

Isotope	(a) Dose Conversion (mR/hr per mCi/cc)	(b) Isotopic Fraction	(a) x (b)
Mn54	5.142×10^4		
Co58	5.049×10^4		
Co60	1.400×10^5		
Cs134	9.862×10^4		
Cs137	3.380×10^4		
Sum of last column		S =	

8. Correction to dose conversion factor for actual waste density $C = e^{-0.553(\rho-0.25)}$ (ρ in g/cc) . . . C = _____
9. Measured radiation level at 1 m . . . . . D = _____ mR/hr
10. Total activity of gamma emitters per container $A = (D * V) / (S * C)$ (V in cc) . . . . . A = _____ mCi
11. Individual gamma emitter activity

Isotope	Fraction	Activity (mCi)
Mn54		
Co58		
Co60		
Cs134		
Cs137		

*Full volume = 7.35 ft^3

RADWASTE CURIE CONTENT WORKSHEET

1. Container type: B25 (12 GA) LSA box (B25)
2. Gross loaded weight . . . . . W_t = ____ lb or _____ g
3. Container empty weight . . . . W_e = 640 lb or _____ g
4. Net content weight (W_t-W_e) . . W_n = ____ lb or _____ g
5. Waste volume* . . . . . V = ____ ft^3 or _____ cc
6. Waste density (W_n/V) . . . . . ρ = ____ lb/ft^3 or _____ g/cc
7. Reference dose conversion factor and isotopic data (Reference waste density = 0.25 g/cc)

Isotope	(a) Dose Conversion (mR/hr per mCi/cc)	(b) Isotopic Fraction	(a) x (b)
Mn54	3.304×10^5		
Co58	3.243×10^5		
Co60	9.044×10^5		
Cs134	6.305×10^5		
Cs137	2.148×10^5		
Sum of last column		S =	

8. Correction to dose conversion factor for actual waste density $C = e^{-1.138(\rho-0.25)}$ (ρ in g/cc) . . . C = _____
9. Measured radiation level at 1 m . . . . . D = _____ mR/hr
10. Total activity of gamma emitters per container
    A = (D * V) / (S * C) (V in cc) . . . . . A = _____ mCi
11. Individual gamma emitter activity

Isotope	Fraction	Activity (mCi)
Mn54		
Co58		
Co60		
Cs134		
Cs137		

*Full volume = 90 ft^3

RADWASTE CURIE CONTENT WORKSHEET

1. Container type: S38 (14 GA) LSA box (S38)
2. Gross loaded weight . . . . . W_t = ____ lb or _____ g
3. Container empty weight . . . . W_e = 420 lb or _____ g
4. Net content weight (W_t-W_e) . . W_n = ____ lb or _____ g
5. Waste volume* . . . . . V = ____ ft^3 or _____ cc
6. Waste density (W_n/V) . . . . . ρ = ____ lb/ft^3 or _____ g/cc
7. Reference dose conversion factor and isotopic data (Reference waste density = 0.1 g/cc)

Isotope	(a) Dose Conversion (mR/hr per mCi/cc)	(b) Isotopic Fraction	(a) x (b)
Mn54	3.693×10^5		
Co58	3.612×10^5		
Co60	1.040×10^6		
Cs134	6.968×10^5		
Cs137	2.345×10^5		
Sum of last column		S =	

8. Correction to dose conversion factor for actual waste density $C = e^{-1.124(\rho-0.1)}$ (ρ in g/cc) . . . . C = _____
9. Measured radiation level at 1 m . . . . . D = _____ mR/hr
10. Total activity of gamma emitters per container $A = (D * V) / (S * C)$ (V in cc) . . . . . A = _____ mCi
11. Individual gamma emitter activity

Isotope	Fraction	Activity (mCi)
Mn54		
Co58		
Co60		
Cs134		
Cs137		

*Full volume = 79.75 ft^3

DRUM LOADING SHEET

DRUM	DATE				SMEAR RESULTS		
NO.	LOADED	TYPE	CONTACT	@ 1 METER	TOP&SIDE	BOTTOM	WEIGHT

WASTE CLASSIFICATION PROGRAM

1.0 Purpose

1.1 This program provides the direction to comply with the requirements of 10 CFR 20.311 that any licensee who transfers radioactive waste to a land disposal facility classify the waste according to the requirements of 10 CFR 61. 10 CFR 61 has established three classes of wastes, designated A, B, and C based on potential radiologic hazards and determined by concentrations of specific nuclides (Attachment XXVII). Class A waste contains the lowest concentrations of radionuclides and must meet only minimum waste form requirements. Class B and C wastes contain higher concentrations and must meet specified waste form and stability requirements.

2.0 Identification of Radioactive Waste Streams

2.1 The following waste streams have been identified:

1) Wet Wastes
   - A) Evaporator Concentrates
   - B) Bead Resins - Primary, Secondary, Radwaste
   - C) Sludges

2) Dry Wastes
   - A) Dry Compactible Trash
   - B) Dry Noncompactible Trash
   - C) Filters
   - D) Metal Components - Contaminated and Irradiated

3.0 Waste Stream Sampling and Analysis

3.1 The following samples may be used in determining waste class as applicable:

1) 1/2 Reactor Coolant
2) 1/2 Reactor Coolant Crud
3) Evaporator Concentrates
   - A) 10,000 ppm Boron
   - B) 20,000 ppm Boron
   - C) 30,000 ppm Boron
4) Spent Resin Storage Tank Resin
5) 1/2 Steam Generator Blowdown Resin
6) Smears
7) Radwaste Resin
8) Filters
9) Spent Fuel Pool
10) Sludges

3.2 Wastes from liquid systems are sampled directly (e.g. reactor coolant samples collected in the nuclear sampling room, evaporator concentrates collected from the WEBST or a liner). Resins will be sampled normally after sluicing to a shipping container. Dry waste samples (smears) will be collected from locations representative of where the waste is generated. These samples shall be sent to an outside contractor for the following analysis: C-14, I-129, Cm-242, Cm-244, Am-241, Pu-238, Pu-239, Pu-240, Pu-241, H-3, Ni-63, Sr-90, Tc-99, Gamma Spectroscopy and Fe-55.

4.0 Sampling Frequency

4.1 Analysis of all waste streams shall be performed on at least an annual basis or if not, prior to shipment. If unit operations or plant conditions are modified such that the radionuclide distribution for any of the individual waste streams changes by a factor of 10, a reanalysis should be performed. Plant operational changes would include changes in the failed fuel fraction or a crud burst. If operations remain consistent, consideration can be given to performing reanalysis on a less frequent basis. To determine if there has been any changes in the waste streams the following should be trended weekly or as available:

1) 1/2 RCS total activity
2) 1/2 RCS H-3
3) 1/2 RCS principal gamma emitters (Co-58, Co-60, Cs-137, Cs-134)
4) 1/2 RCS DOSEQ

5.0 Waste Classification - Wet Wastes - Resin/Evaporator Concentrates

1) Obtain sample of waste to be shipped
2) Analyze for gamma emitters
3) From actual sample concentrations or specific scaling ratios determined from the plant sampling program, correlate the Part 61 radionuclides.
4) Using the Waste Classification Work Sheet (Attachment XXVII) determine the quotients of each radionuclide concentration and its Class A, B, C limits.
5) Sum the quotients. If the quotient sum is less than or equal to unity (≤ 1) for a class, the waste meets the requirements for that class.

6.0 Waste Classification - Dry Waste - DAW/Filter Media

NOTE: Filters with activities greater than 1 microcurie/cubic centimeter of radionuclides with a greater than 5 year half life will be shipped for burial in high integrity containers using the methodology in 12 THP 6010 ENV.022. Complete radiological analyses (both quantitative and qualitative must be included with the shipment paperwork. The specific activity of each radionuclide in microcuries/cubic centimeter and transuranics in nanocuries/gram must be specified.

1) Measure the dose rate (mR/hr.) at 1 meter from the package or filter.
2) Calculate the quantity of gamma emitters using the dose rate and the isotopic distribution.
3) From reactor coolant crud concentrations, or specific scaling ratios determined from the plant sampling program, correlate the Part 61 radionuclides.
4) Using the Waste Classification Work Sheet (Attachment XXVII), determine the quotients of each radionuclide concentration and its Class A, B, C limits.
5) Sum the quotients. If the quotient sum is less than or equal to unity (≤ 1) for a class, the waste meets the requirements for that class.

7.0 Scaling Radionuclides

7.1 The following are key isotopes that are readily measured that can be correlated to those listed in the Waste Classification Table (Attachment XXVII) which are not readily measured for the waste streams identified:

SCALED RADIONUCLIDE	BASIC RADIONUCLIDE
H-3	Reactor Coolant System H-3
C-14	Co-60
TC-99	LLD
I-129	LLD
Ni-63	Co-60
Sr-90	Cs-137
TRU	Cs-137 or Co-60 or Ce-144*
PU-241	Cs-137 or Co-60 or Ce-144*
Cm-242	Cs-137 or Co-60 or Ce-144*
Fe-55	Co-60

* Although the correlation between Ce-144 and the transuranic content can be very good, Ce-144 is not usually detected.

MIXED WASTE PROGRAM

1.0 Purpose

1.1 This program is designed to establish guidelines and procedural requirements which will provide adequate assurance that the plant is in compliance with current restrictions on the burial of low-level radioactive waste mixed with hazardous materials. These requirements are applicable to all radioactive wastes packaged for shipment and burial.

2.0 Policy

2.1 All chemicals used within the controlled area of the plant will be utilized in accordance with PMI-2160, which includes restrictions on their disposal.

3.0 Definitions

3.1 Mixed Waste - Mixed low-level radioactive and hazardous waste (mixed waste) is waste that satisfies the definition of low-level radioactive waste (LLW) in the Low-Level Radioactive Waste Policy Amendments Act of 1985 (LLRWPAA) and contains hazardous waste that either (1) is listed as a hazardous waste in Subpart D of 40 CFR Part 261 or (2) causes the LLW to exhibit any of the hazardous waste characteristics identified in Subpart C of 40 CFR Part 261.

3.2 Hazardous Characteristics - The four characteristics that a waste may exhibit that result in it being classified as a hazardous waste are: ignitability (Part 261.21); corrosivity (Part 261.22); reactivity (Part 261.23); and EP toxicity (Part 261.24).

4.0 Identification of Mixed Waste

4.1 The radioactive waste streams have been identified in Section 2.0 of Appendix A.

4.2 Certain plant waste streams are not mixed wastes because of knowledge of their characteristics or the process used in their generation. The majority of the industry mixed waste streams have been identified as those containing organic liquids, such as scintillation fluids and heavy metals, such as mercury.

4.3 Determine whether the radioactive waste contains any hazardous wastes specifically listed in Subpart D of 40 CFR Part 261, from PMI-2160, Chemical Permits.

4.4 Determine whether the radioactive waste contains hazardous waste that causes the waste to exhibit any of the hazardous waste characteristics identified in Subpart C of 40 CFR 261 by collecting representative samples for testing.

4.5 Samples shall be processed into their normal form for transportation and burial. For example, sludges are solidified for burial so the sample should be solidified prior to testing. The parameters used to solidify the sample should be the same as would be used for full scale processing.

4.6 Have the final waste form samples analyzed for a particular hazardous chemical if one has been identified in 4.3, or for the hazardous characteristics of 4.4.

4.7 If the analysis results in the waste as not being classified as a mixed waste it may be disposed under normal plant procedures.

4.8 If the analysis results in the waste being classified as a mixed waste it should be held on site until such time that an appropriate disposal facility is available, unless approved per Section 6.0.

5.0 Sampling Frequency

5.1 As a minimum, samples of radwaste resin, evaporator concentrates and sludges, if available, will be collected annually and sent offsite for RCRA Waste Characterization.

6.0 Exceptions

6.1 The Barnwell site (licensee: Chem.-Nuclear) may receive waste that has been treated by acceptable methods to render it non-hazardous and therefore not subject to the jurisdiction of the Resources Conservation and Recovery Act (RCRA). Waste which may contain discreet quantities of hazardous or toxic materials may be evaluated for disposal by Chem-Nuclear and such evaluations provided to the South Carolina Department of Health and Environmental Control (DHEC) for consideration of approval.

APPENDIX 4

OFFSITE DOSE CALCULATION MANUAL (ODCM) CHANGES

PMP

FORM 5329
Revised 9/87

INDIANA MICHIGAN POWER COMPANY

DONALD C. COOK NUCLEAR PLANT
INSTRUCTION AND PROCEDURE CHANGE SHEET

INSTRUCTION OR PROCEDURE NO.: PMP 6010. OSD.001 REVISION NO.: 2 CHANGE SHEET NO.: 5

TITLE: Off-Site Dose Calculation Manual PAGE 1 of 1

ORIGINATED BY: [signature] DATE: 5-16-88
MANAGEMENT STAFF: [signature] DATE: 5-17-88
SENIOR REACTOR OPERATOR: [signature] DATE: 5-17 88
Q.A. SUPERVISOR: [signature] DATE: 5/25/88
PNSRC: #0156 DATE: 5-26-88
PLANT MANAGER: W. G. Smith DATE: 5/26/88

PROCEDURE SUPV. [signature] DATE 5/27/88 EXPIRATION DATE: N/A

DESCRIPTION OF CHANGE

Change Attachment 3.14, Page 1 of 1, Rev. 2: MPC value for gross Beta to be 3×10^{-8}.

REASON(S) FOR CHANGE

Previous value of 3×10^{-6} was a misinterpretation of 10CFR20 values.

UNCONTROLLED DOCUMENT

INSTRUCTIONS FOR INCORPORATING CHANGE

Replace the following:

List of Effective Pages. Page 3 of 6. Rev. 2 with Page 3 of 6, Rev. 2 CS-5

Attachment 3.14 Page 1 of 1, Rev. 2. with Page 1 of 1, Rev. 2, CS-5

PAGE NUMBER	REVISION NUMBER/EFFECTIVE CHANGE
ATTACHMENT 3.5	
Page 1 of 1	Revision 2
ATTACHMENT 3.6	
Page 1 of 1	Revision 2
ATTACHMENT 3.7	
Page 1 of 1	Revision 2
ATTACHMENT 3.8	
Page 1 of 1	Revision 2
ATTACHMENT 3.9	
Page 1 of 2	Revision 2
Page 2 of 2	Revision 2
ATTACHMENT 3.10	
Page 1 of 1	Revision 2
ATTACHMENT 3.11	
Page 1 of 1	Revision 2
ATTACHMENT 3.12	
Page 1 of 1	Revision 2
ATTACHMENT 3.13	
Page 1 of 1	Revision 2
ATTACHMENT 3.14	
Page 1 of 1	Revision 2, CS-5
ATTACHMENT 3.15	
Page 1 of 1	Revision 2
ATTACHMENT 3.16	
Page 1 of 1	Revision 2

FORM 5329
Revised 9/87

INDIANA MICHIGAN POWER COMPANY

DONALD C. COOK NUCLEAR PLANT
INSTRUCTION AND PROCEDURE CHANGE SHEET

INSTRUCTION OR PROCEDURE NO.: PMP 6010.OSD.001 REVISION NO.: 2 CHANGE SHEET NO.: 4

TITLE: Off-Site Dose Calculation Manual PAGE 1 of 1

ORIGINATED BY: Dave R Gillman DATE: 2/22/88
MANAGEMENT STAFF: [signature] DATE: 2/22/88
SENIOR REACTOR OPERATOR: [signature] DATE: 2/23/88
Q.A. SUPERVISOR: [signature] DATE: 2/24/88
PNSRC: Mtg. #2,132 DATE: 2/25/88
PLANT MANAGER: [signature] DATE: 2/25/88

PROCEDURE: [signature] 2/24/88 EXPIRATION DATE: 3/1/89

DESCRIPTION OF CHANGE

Update the X/Q and D/Q values from 1986 to 1987 values. This is an annual process.

UNCONTROLLED DOCUMENT

REASON(S) FOR CHANGE

This is a requirement of the ODCM.

INSTRUCTIONS FOR INCORPORATING CHANGE

Replace the following:

List of Effective Pages, Page 4 of 6, Rev. 2, CS-1 with Page 4 of 6, Rev. 2, CS-1, CS-4

Attachment 3.17, Page 1 of 1, Rev. 2, CS-1, with Page 1 of 1, Rev. 2, CS-1, CS-4

Attachment 3.18, Page 1 of 1, Rev. 2, CS-1 with Page 1 of 1, Rev. 2, CS-1, CS-4

PAGE NUMBER	REVISION NUMBER/EFFECTIVE CHANGE
ATTACHMENT 3:17	
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ATTACHMENT 3.18	
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ATTACHMENT 3.22	
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χ/Q GROUND AVERAGE (sec/m³)

01JAN87 - 31DEC87

DIRECTION (WIND FROM)	DISTANCE 594	2416	4020	5630	7240
N	1.69E-6	1.99E-7	9.21E-8	5.41E-8	3.77E-8
NNE	2.37E-6	2.72E-7	1.26E-7	7.43E-8	5.18E-8
NE	3.42E-6	4.03E-7	1.90E-7	1.13E-7	7.91E-8
ENE	4.07E-6	4.82E-7	2.34E-7	1.42E-7	1.01E-7
E	4.54E-6	5.43E-7	2.63E-7	1.60E-7	1.13E-7
ESE	5.70E-6	6.80E-7	3.29E-7	1.99E-7	1.41E-7
SE	7.63E-6	9.11E-7	4.45E-7	2.71E-7	1.92E-7
SSE	5.72E-6	6.67E-7	3.31E-7	2.03E-7	1.44E-7
S	4.76E-6	5.57E-7	2.75E-7	1.69E-7	1.20E-7
SSW	5.81E-6	6.93E-7	3.43E-7	2.11E-7	1.50E-7
SW	3.40E-6	4.25E-7	2.01E-7	1.19E-7	8.38E-8
WSW	5.00E-6	6.15E-7	2.88E-7	1.71E-7	1.20E-7
W	2.93E-6	3.50E-7	1.62E-7	9.56E-8	6.68E-8
WNW	1.95E-6	2.20E-7	1.03E-7	6.16E-8	4.33E-8
NW	2.69E-6	3.11E-7	1.44E-7	8.44E-8	5.91E-8
NNW	1.98E-6	2.37E-7	1.08E-7	6.22E-8	4.32E-8

CS-1

CS-4

DIRECTION (WIND FROM)	DISTANCE 12067	24135	40225	56315	80500
N	1.87E-8	7.17E-9	3.56E-9	2.28E-9	1.42E-9
NNE	2.57E-8	9.89E-9	4.91E-9	3.14E-9	1.97E-9
NE	3.95E-8	1.54E-8	7.60E-9	4.85E-9	3.04E-9
ENE	5.09E-8	2.02E-8	1.01E-8	6.51E-9	4.12E-9
E	5.69E-8	2.26E-8	1.13E-8	7.26E-9	4.59E-9
ESE	7.12E-8	2.83E-8	1.42E-8	9.11E-9	5.78E-9
SE	9.81E-8	3.93E-8	1.97E-8	1.27E-9	8.07E-9
SSE	7.40E-8	2.99E-8	1.50E-8	9.68E-9	6.18E-9
S	6.15E-8	2.49E-8	1.25E-8	8.06E-9	5.15E-9
SSW	7.65E-8	3.09E-8	1.56E-8	1.00E-8	6.40E-9
SW	4.21E-8	1.64E-8	8.17E-9	5.23E-9	3.28E-9
WSW	6.01E-8	2.34E-8	1.17E-8	7.50E-9	4.71E-9
W	3.32E-8	1.28E-8	6.36E-9	4.07E-9	2.55E-9
WNW	2.17E-8	8.48E-9	4.23E-9	2.78E-9	1.72E-9
NW	2.95E-8	1.14E-8	5.69E-9	3.65E-9	2.30E-9
NNW	2.13E-8	8.06E-9	3.96E-9	2.52E-9	1.56E-9

DIRECTION - SECTOR

N = A
NNE = B
NE = C
ENE = D
E = E
ESE = F
SE = G
SSE = H
S = J
SSW = K
SW = L
WSW = M
W = N
WNW = P
NW = Q
NNW = R

WORST SITE BOUNDARY

a) Previous worst χ/Q is 8.44E-6 sec/m³ at Sector Q.

b) Current year worst χ/Q is 7.63E-6 sec/m³ at Sector Q. CS-4

Thus, the worst χ/Q and Sector has not been changed.

D/Q DEPOSITION (1/m²)

01JAN87 - 31DEC87

DIRECTION (WIND FROM)	DISTANCE 594	2416	4020	5630	7240
N	1.17E-8	1.13E-9	5.12E-10	2.69E-10	1.71E-10
NNE	1.45E-8	1.40E-9	6.36E-10	3.34E-10	2.13E-10
NE	1.61E-8	1.56E-9	7.06E-10	3.70E-10	2.36E-10
ENE	1.28E-8	1.23E-9	5.58E-10	2.93E-10	1.87E-10
E	2.03E-8	1.96E-9	8.89E-10	4.66E-10	2.98E-10
ESE	3.02E-8	2.92E-9	1.32E-9	6.94E-10	4.43E-10
SE	2.97E-8	2.86E-9	1.30E-9	6.81E-10	4.35E-10
SSE	1.70E-8	1.64E-9	7.45E-10	3.91E-10	2.49E-10
S	1.65E-8	1.60E-9	7.24E-10	3.89E-10	2.42E-10
SSW	1.95E-8	1.88E-9	8.53E-10	4.47E-10	2.85E-10
SW	1.79E-8	1.73E-9	7.85E-10	4.12E-10	2.63E-10
WSW	3.60E-8	3.48E-9	1.58E-9	8.28E-10	5.28E-10
W	2.34E-8	2.26E-9	1.03E-9	5.38E-10	3.43E-10
WNW	1.58E-8	1.53E-9	6.94E-10	3.64E-10	2.32E-10
NW	2.43E-8	2.34E-9	1.06E-9	5.57E-10	3.56E-10
NNW	1.62E-8	1.57E-9	7.10E-10	3.73E-10	2.38E-10

DIRECTION (WIND FROM)	DISTANCE 12067	24135	40225	56315	80500
N	7.16E-11	2.33E-11	8.58E-12	4.58E-12	2.30E-12
NNE	8.89E-11	2.90E-11	1.07E-11	4.69E-12	2.85E-12
NE	9.86E-11	3.21E-11	1.18E-11	6.31E-12	3.17E-12
ENE	7.81E-11	2.54E-11	9.36E-12	5.00E-12	2.51E-12
E	1.24E-10	4.05E-11	1.49E-11	7.95E-12	3.99E-12
ESE	1.85E-10	6.02E-11	2.22E-11	1.18E-11	5.94E-12
SE	1.82E-10	5.91E-11	2.18E-11	1.16E-11	5.83E-10
SSE	1.04E-10	3.39E-11	1.25E-11	6.67E-12	3.34E-12
S	1.01E-10	3.29E-11	1.21E-11	6.47E-12	3.25E-12
SSW	1.19E-10	3.88E-11	1.43E-11	7.63E-12	3.83E-12
SW	1.10E-10	3.57E-11	1.32E-11	7.02E-12	3.52E-12
WSW	2.21E-10	7.18E-11	2.64E-11	1.41E-11	7.08E-12
W	1.43E-10	4.67E-11	1.72E-11	9.18E-11	4.00E-12
WNW	9.70E-11	3.16E-11	1.16E-11	6.21E-11	3.11E-12
NW	1.49E-10	4.84E-11	1.78E-11	9.50E-11	4.77E-12
NNW	9.93E-11	3.23E-11	1.19E-11	8.36E-11	3.19E-12

CS-1

CS-4

DIRECTION - SECTOR

N = A
NNE = B
NE = C
ENE = D
E = E
ESE = F
SE = G
SSE = H
S = J
SSW = K
SW = L
WSW = M
W = N
WNW = P
NW = Q
NNW = R

WORST SITE BOUNDARY

a) Previous worst D/Q is 3.64E-8 1/m³ at Sector D.

b) Current year worst D/Q is 3.60E-8 1/m³ at Sector D.

Thus, the worst D/Q and sector has not changed.

Tech.

FORM 9329
Revised 9/87

INDIANA MICHIGAN POWER COMPANY

DONALD C. COOK NUCLEAR PLANT
INSTRUCTION AND PROCEDURE CHANGE SHEET

INSTRUCTION OR PROCEDURE NO.: PMP 6010.OSD.001 REVISION NO.: 2 CHANGE SHEET NO.: 3

TITLE: Off-Site Dose Calculation Manual PAGE 1 of 1

ORIGINATED BY: Dave Williams DATE: 1/22/88
MANAGEMENT STAFF: Paul Helmer DATE: 1-22-88
SENIOR REACTOR OPERATOR: Leo Kohmstedt DATE: 2-2-88
Q.A. SUPERVISOR: A. Barker DATE: 2/3/88
PNSRC: Mtg. # 2128 DATE: 2-4-88
PLANT MANAGER: [signature] DATE: 2/4/88

[illegible]: W Ford DATE: 2-5-88 EXPIRATION DATE: N/A

DESCRIPTION OF CHANGE

Section 4.2.3.1, bottom of Page 31 of 41; delete "...The waste gas radiation monitor R-21 (Tag No. RRA-300)." and replace with "...The vent stack monitors VRS-1505 and VRS-2505." Also, delete following paragraph.

REASON(S) FOR CHANGE

12R21 is not covered by Technical Specifications. The requirement for monitoring waste gas releases is handled by the vent stack noble gas monitors, VRS-1505 and VRS-2505. This is a Problem Report No. 87-1045 commitment.

INSTRUCTIONS FOR INCORPORATING CHANGE

Replace the following:

List of Effective Pages, Page 2 of 6, Rev. 2 with Page 2 of 6, Rev. 2, CS-3
Page 31 of 41, Revision 2 with Page 31 of 41, Revision 2, CS-3
Page 32 of 41, Revision 2 with Page 32 of 41, Revision 2, CS-3

PAGE NUMBER	REVISION NUMBER/EFFECTIVE CHANG
Page 26 of 41	Revision 2
Page 27 of 41	Revision 2
Page 28 of 41	Revision 2
Page 29 of 41	Revision 2
Page 30 of 41	Revision 2
Page 31 of 41	Revision 2, CS-3
Page 32 of 41	Revision 2, CS-3
Page 33 of 41	Revision 2
Page 34 of 41	Revision 2
Page 35 of 41	Revision 2
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Page 1 of 1	Revision 2
ATTACHMENT 3.2	
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ATTACHMENT 3.3	
Page 1 of 1	Revision 2
ATTACHMENT 3.4	
Page 1 of 1	Revision 2

The plant vent radiation monitor low range noble gas channel setpoint, Sp, will be set such that the dose rate in unrestricted areas to the whole body, skin and thyroid (or any other organ), whichever is most limiting, will be less than or equal to 500 mRem/yr, 3000 mRem/yr, and 1500 mRem/yr, respectively. The thyroid dose is limited to the inhalation pathway only. The plant vent radiation monitor low range noble gas channel setpoint, Sp, will be recomputed whenever gaseous releases from the Containment and gas decay tanks are discharged through the plant vent to redetermine the most limiting organ. The setpoint, Sp, may be established at less concentration level than the lowest computed value via equation 17.

At certain times, it may be desirable to increase the setpoint, if the vent flowrate is decreased and this may be accomplished in one of two ways.

a) $\frac{\text{(Max. Concentration-}\mu\text{Ci/cc)(Max. Flowrate-cfm)}}{\text{(New Max. Concentration-}\mu\text{Ci/cc)}}$

= New Max. Flowrate in cfm

b) $\frac{\text{(Max. Flowrate-cfm)(Max. Concentration }\mu\text{Ci/cc)}}{\text{(New Max. Flowrate-cfm)}}$

= New Max. Concentration in µCi/cc

a) Waste Gas System Decay Tanks

The gaseous effluents discharged or leaked from the Waste Gas System will be monitored by the vent stack monitors VRS-1505 and 2505.

CS-3

Due to a high radiation alarm, an automatic termination of the release from the waste gas system will be initiated from the plant vent radiation monitor low range noble gas channel (VRS-1505 or VRS-2505). Therefore, for any gaseous release configuration, which include normal operation and waste gas system gaseous discharges, the alarm setpoint of the plant vent radiation monitor will be recomputed to determine the most limiting organ based on all gaseous effluent source terms.

b) Containment Purge and Exhaust System

The gaseous effluents discharged by the Containment Purge and Exhaust Systems and Instrumentation Room Purge and Exhaust System will be monitored by the plant vent radiation monitor noble gas channels (VRS-1505 for Unit 1, VRS-250 for Unit 2); and alarms and trip actions will occur prior to exceeding the Technical Specifications 3.3.3.10 and 3.11.2.1.

For the Containment System, continuous air sample from the Containment atmosphere is drawn through a closed, sealed system to the radiation monitors (Tag No. ERS-1300/1400 for Unit 1 and ERS-2300/2400 for Unit 2). The sample is constantly mixed in the fixed, shielded volume, where it is viewed by the monitor detector. The sample is then returned