

ATTACHMENT 3 LIST OF REGULATORY COMMITMENTS

Correspondence Number: NLS2001036

The following table identifies those actions committed to by the District in this document. Any other actions discussed in the submittal represent intended or planned actions by the District. They are described for information only and are not regulatory commitments. Please notify the NL&S Manager at Cooper Nuclear Station of any questions regarding this document or any associated regulatory commitments.

COMMITMENT	COMMITTED DATE OR OUTAGE
None	N/A

NEBRASKA PUBLIC POWER DISTRICT
COOPER NUCLEAR STATION

RADIOACTIVE EFFLUENT RELEASE REPORT

January 1, 2000 through December 31, 2000

USNRC Docket 50-298

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INTRODUCTION

This report summarizes meteorological data and doses from radioactive effluents for the Cooper Nuclear Station for the period January through December, 2000. The data presented is consistent with guidance provided in Regulatory Guide 1.21 of the U.S. Nuclear Regulatory Commission (Revision 1, 1974) for reporting meteorological data and radioactive effluent data.

The report is organized into three parts. Appendix A presents the effluent and waste disposal source term data. Appendix B presents a summary of onsite meteorological data for the report period, including atmospheric diffusion estimates and a description of the atmospheric diffusion model. Appendix C presents the doses from liquid and gaseous radioactive effluents. Descriptions of the dose calculation models are also included.

APPENDIX A

SOURCE TERMS

EFFLUENT AND WASTE DISPOSAL REPORTS

SUPPLEMENTAL INFORMATION

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT

January 1, 2000, to December 31, 2000

Cooper Nuclear Station effluent and waste disposal data are presented in the format prescribed by Regulatory Guide 1.2I. Meteorological data required by Table 4A&B of Regulatory Guide 1.2I is included in the Meteorological Section of the Annual Radioactive Material Release Report - Radioactive Effluents.

Facility Cooper Nuclear Station License DPR-46.

A. Regulatory Limits

1. Gaseous Waste Effluents

- a. The dose rates due to radioactive materials released in gaseous effluents offsite shall be limited to the following:
 1. Noble Gases: Less than or equal to 500 mrem/yr to the total body and less than or equal to 3000 mrem/yr to the skin.
 2. I-131, I-133, tritium, and all radionuclides in particulate form with half-lives greater than or equal to 8 days: Less than or equal to 1500 mrem/yr to any organ.
- b. The air dose due to noble gases released in gaseous effluents offsite shall be limited to the following:
 1. During any calendar quarter: Less than or equal to 5 mrad from gamma radiation and less than or equal to 10 mrad from beta radiation.
 2. During any calendar year: Less than or equal to 10 mrad from gamma radiation and less than or equal to 20 mrad from beta radiation.
- c. The dose to a member of the public due to I-131, I-133, and radioactive materials in particulate form with half-lives greater than 8 days in gaseous effluents offsite shall be limited to the following:
 1. During any calendar quarter: Less than or equal to 7.5 mrem to any organ.
 2. During any calendar year: Less than or equal to 15 mrem to any organ.

2. Liquid Waste Effluents

- a. January 1, 2000, through December 31, 2000

The concentration of radioactive material in water offsite due to radioactive liquid effluents shall not exceed the concentration specified in 10 CFR 20 Part 20.1302 for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the

concentration shall not exceed 2×10^{-4} Ci/ml total activity. (CNS Technical Specification Amendment 174 Implementation)

- b. The dose to a member of the public due to radioactive material in liquid effluents offsite shall be limited to the following:
 - 1. During any calendar quarter: Less than or equal to 1.5 mrem to the total body and less than or equal to 5 mrem to any organ.
 - 2. During any calendar year: Less than or equal to 3 mrem to the total body and less than or equal to 10 mrem to any organ.

B. Maximum Permissible Concentrations

- 1. Water: Covered in Section A.2.
- 2. Air: Covered in Section A.1.

C. Average Energy

The average energy (E) of the radionuclide mixtures of fission and activation gases released is not applicable. This information is not utilized for dose or release calculations.

D. Measurements and Approximations of Total Radioactivity

The methods used to measure or approximate the total radioactivity in effluents and to determine radionuclide composition are as follows:

1. Gaseous Effluents

a. Fission and Activation Gases:

Radioactivity and radionuclide composition is determined by laboratory HPGe detector analysis in correlation with continuous gross radioactivity monitoring by a beta scintillation detector in the release pathway.

b. Iodines:

Charcoal cartridges provide continuous sample collection. These cartridges are analyzed for radioactivity and radionuclide composition in the laboratory by a HPGe detector gamma spectrometer.

c. Particulates:

Particulate filters provide continuous sample collection. These filters are analyzed for radioactivity and radionuclide composition in the laboratory by a HPGe detector gamma spectrometer. An aliquot of a filter composite from each release point was analyzed for Sr-89, Sr-90, and gross alpha by an offsite laboratory.

d. Tritium:

A portable sampling apparatus is utilized to collect a quarterly sample of each radioactive vent effluent. These samples are analyzed using a liquid scintillation counter.

2. Liquid Effluents

a. Principal gamma emitters and dissolved and entrained gases:

Each batch of liquid effluent is analyzed for radioactivity and radionuclide composition in the laboratory by a HPGe detector gamma spectrometer. In addition, each batch is monitored for gross gamma radioactivity by a NaI detector in-line with the release pathway.

b. Tritium:

An aliquot of a monthly composite is analyzed using a liquid scintillation counter.

c. Sr-89 and Sr-90:

An aliquot from a quarterly composite is analyzed by an offsite laboratory.

d. Gross alpha:

An aliquot from a monthly composite is analyzed by gas flow proportional counting.

e. Fe-55:

An aliquot from a quarterly composite is analyzed by an offsite laboratory.

E. Batch Releases

a. Liquid

1. Number of batch releases	13	
2. Total time period for batch releases	3483	minutes
3. Maximum time period for batch release	298	minutes
4. Average time period for batch release	268	minutes
5. Minimum time period for batch release	202	minutes
6. Average stream flow during periods of release of effluent into a flowing stream:	5.28E+07	liters/minute

b. Gaseous

1. Number of batch releases	None
2. Total time period for batch releases	N/A
3. Maximum time period for batch release	N/A
4. Average time period for batch release	N/A
5. Minimum time period for batch release	N/A

F. Abnormal Release

a. Liquid

1. Number of releases:	0
2. Total activity released	None

b. Gaseous

1. Number of releases:	0
2. Total activity released	None

TABLE 1A
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR	EST. TOTAL ERROR %
A. Fission and activation gases						
1. Total release	Ci	5.85E+01	8.80E+00	4.33E+02	1.01E+03	2.0E+01
2. Average release rate for period	uCi/sec	7.44E+00	1.12E+00	5.45E+01	1.27E+02	
B. Iodines						
1. Total iodine 131	Ci	1.42E-03	7.37E-04	9.40E-04	3.71E-03	3.0E+01
2. Average release rate for period	uCi/sec	1.81E-04	9.37E-05	1.18E-04	4.67E-04	
C. Particulates						
1. Particulates with half-lives >8days	Ci	3.59E-06	5.03E-05	6.60E-07	5.24E-03	5.0E+01
2. Average release rate for period	uCi/sec	4.57E-07	6.40E-06	8.30E-08	6.59E-04	
3. Gross alpha radioactivity	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
D. Tritium						
1. Total release	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.0E+01
2. Average release rate for period	uCi/sec	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

TABLE 1B
EFFLUENT AND GASEOUS WASTE DISPOSAL ANNUAL REPORT
GASEOUS EFFLUENT-ELEVATED RELEASE
CONTINUOUS MODE *BATCH

	NUCLIDES RELEASED	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR
1.	Fission gases					
	krypton-83m	Ci	4.90E-01	7.40E-02	3.60E+00	8.20E+00
	krypton-85m	Ci	8.80E-01	1.30E-01	6.60E+00	1.50E+01
	krypton-85	Ci	2.70E+00	4.10E-01	2.00E+01	4.60E+01
	krypton-87	Ci	2.90E+00	4.40E-01	2.20E+01	4.90E+01
	krypton-88	Ci	2.90E+00	4.40E-01	2.20E+01	4.90E+01
	krypton-89	Ci	1.40E+01	2.00E+00	1.00E+02	2.30E+02
	xenon-133m	Ci	4.10E-02	6.10E-03	3.00E-01	6.90E-01
	xenon-133	Ci	2.00E+00	3.10E-01	1.50E+01	3.50E+01
	xenon-135m	Ci	9.80E-01	1.50E-01	7.30E+00	1.70E+01
	xenon-135	Ci	3.60E+00	5.40E-01	2.70E+01	6.10E+01
	xenon-137	Ci	1.60E+01	2.50E+00	1.20E+02	2.70E+02
	xenon-138	Ci	1.20E+01	1.80E+00	8.90E+01	2.00E+02
	Total for period	Ci	5.85E+01	8.80E+00	4.33E+02	9.81E+02
2.	Iodines					
	iodine-131	Ci	9.18E-04	7.36E-04	9.39E-04	3.65E-03
	iodine-132	Ci	0.00E+00	6.21E-04	5.95E-03	1.35E-03
	iodine-133	Ci	1.49E-03	1.79E-03	6.77E-03	5.57E-03
	iodine-134	Ci	7.07E-04	2.92E-03	1.44E-04	5.82E-04
	iodine-135	Ci	7.88E-04	3.00E-03	9.76E-03	4.06E-03
	Total for period	Ci	3.90E-03	9.07E-03	2.36E-02	1.52E-02

* No batch discharges were made

TABLE 1B
EFFLUENT AND GASEOUS WASTE DISPOSAL ANNUAL REPORT
GASEOUS EFFLUENT-ELEVATED RELEASE (continued)
CONTINUOUS MODE *BATCH

NUCLIDES RELEASED	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR
3. Particulates					
rubidium-88	Ci	0.00E+00	0.00E+00	3.15E-04	0.00E+00
rubidium-89	Ci	4.05E-02	1.61E-02	1.78E-02	6.88E-02
strontium-89	Ci	0.00E+00	0.00E+00	0.00E+00	1.32E-04
strontium-91	Ci	4.05E-04	5.14E-04	2.94E-04	1.79E-03
yttrium-91m	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ruthenium-106	Ci	0.00E+00	1.04E-05	0.00E+00	0.00E+00
cesium-137	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
cesium-138	Ci	2.82E-02	1.37E-02	4.61E-01	8.35E-01
barium-139	Ci	3.11E-02	9.66E-01	2.97E-02	2.23E-01
barium-140	Ci	3.59E-06	3.99E-05	6.60E-07	2.09E-03
lanthanum-140	Ci	0.00E+00	2.03E-05	0.00E+00	8.66E-05
Total for period	Ci	1.00E-01	9.96E-01	5.09E-01	1.13E+00

* No batch discharges were made

TABLE 1C
EFFLUENT AND GASEOUS WASTE DISPOSAL ANNUAL REPORT
GASEOUS EFFLUENT-BUILDING VENT RELEASES
CONTINUOUS MODE *BATCH

	NUCLIDES RELEASED	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR
1.	Fission gases					
	krypton-83m	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	krypton-85m	Ci	0.00E+00	0.00E+00	0.00E+00	3.50E-01
	krypton-85	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	krypton-87	Ci	0.00E+00	0.00E+00	0.00E+00	6.60E-01
	krypton-88	Ci	0.00E+00	0.00E+00	0.00E+00	1.20E+00
	krypton-89	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	xenon-133m	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	xenon-133	Ci	0.00E+00	0.00E+00	0.00E+00	1.30E+01
	xenon-135m	Ci	0.00E+00	0.00E+00	0.00E+00	3.50E+00
	xenon-135	Ci	0.00E+00	0.00E+00	0.00E+00	5.30E+00
	xenon-137	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	xenon-138	Ci	0.00E+00	0.00E+00	0.00E+00	7.00E+00
	Total for period	Ci	0.00E+00	0.00E+00	0.00E+00	3.10E+01
2.	Iodines					
	iodine-131	Ci	5.01E-04	6.71E-07	6.79E-07	6.28E-05
	iodine-132	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	iodine-133	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	iodine-134	Ci	1.50E-03	1.18E-05	1.19E-05	1.19E-05
	iodine-135	Ci	6.54E-04	0.00E+00	0.00E+00	0.00E+00
	Total for period	Ci	2.66E-03	1.25E-05	1.26E-05	7.47E-05
3.	Particulates					
	rubidium-89	Ci	0.00E+00	5.90E-02	3.48E-03	1.85E-01
	strontium-89	Ci	0.00E+00	0.00E+00	0.00E+00	3.02E-03
	strontium-91	Ci	0.00E+00	0.00E+00	9.98E-04	0.00E+00
	yttrium-91m	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	cesium-137	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	cesium-138	Ci	7.46E-02	6.97E-02	2.74E-01	2.38E-01
	barium-139	Ci	4.69E-02	3.23E-02	1.56E-01	1.16E-01
	barium-140	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	lanthanum-140	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	cerium-144	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	praseodymium-144	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Total for period	Ci	1.22E-01	1.61E-01	4.34E-01	5.42E-01

* No batch discharges were made

TABLE 2A
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR	EST. TOTAL ERROR %
A. Fission and activation products						
1. Total release (not including tritium, gases or alpha)	Ci	2.44E-02	0.00E+00	0.00E+00	0.00E+00	2.0E+01
2. Average diluted concentration during period	uCi/ml	5.64E-09	0.00E+00	0.00E+00	0.00E+00	
B. Tritium						
1. Total release	Ci	1.01E+00	0.00E+00	0.00E+00	0.00E+00	2.0E+01
2. Average diluted concentration during period	uCi/ml	2.33E-07	0.00E+00	0.00E+00	0.00E+00	
C. Dissolved and entrained gases						
1. Total release	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.0E+01
2. Average diluted concentration during period	uCi/ml	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
D. Gross alpha radioactivity						
1. Total release	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.0E+01
E. Volume of waste released (prior to dilution)						
	liters	7.82E+05	0.00E+00	0.00E+00	0.00E+00	1.0E+01
F. Volume of dilution water used during period						
	liters	4.33E+09	0.00E+00	0.00E+00	0.00E+00	1.0E+01

TABLE 2B
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
LIQUID EFFLUENTS
CONTINUOUS MODE* BATCH MODE

NUCLIDES RELEASED	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR
sodium-24	Ci	5.08E-05	0.00E+00	0.00E+00	0.00E+00
manganese-54	Ci	4.24E-03	0.00E+00	0.00E+00	0.00E+00
cobalt-58	Ci	6.64E-04	0.00E+00	0.00E+00	0.00E+00
cobalt-60	Ci	1.05E-02	0.00E+00	0.00E+00	0.00E+00
zinc-65	Ci	6.79E-05	0.00E+00	0.00E+00	0.00E+00
strontium-89	Ci	1.48E-03	0.00E+00	0.00E+00	0.00E+00
strontium-90	Ci	2.66E-04	0.00E+00	0.00E+00	0.00E+00
technetium-99m	Ci	2.30E-04	0.00E+00	0.00E+00	0.00E+00
iodine-131	Ci	3.17E-04	0.00E+00	0.00E+00	0.00E+00
iodine-133	Ci	4.85E-05	0.00E+00	0.00E+00	0.00E+00
cesium-137	Ci	6.56E-03	0.00E+00	0.00E+00	0.00E+00
Total for period	Ci	2.44E-02	0.00E+00	0.00E+00	0.00E+00
xenon-133	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00
xenon-135	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00

* No continuous mode discharges were made

TABLE 3

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS
PERIOD January 1, 2000 TO December 31, 2000

A. Solid Waste Shipped Offsite for Burial or Disposal (Not Irradiated Fuel)

1. Type of Waste

	Unit	12 Month Period	Est. Total Error %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m3	3.36E+01	N/A
	Ci	2.29E+02	15%
b. Dry compressible waste, contaminated equip, etc.	m3	1.05E+01	N/A
	Ci	5.00E+00	25%
c. Irradiated components, control rods, etc.	m3	0.00E+00	N/A
	Ci	0.00E+00	
d. Other	m3	0.00E+00	N/A
	Ci	0.00E+00	

2. Estimate of Major Nuclide Composition (By Type of Waste), Percent %

a. americium-241	9.10E-05	iron-59	3.91E-02
antimony-124	1.20E-03	lanthanum-140	2.67E-02
barium-140	3.20E-02	maganese-54	1.06E+01
cadmium-115	1.39E-03	nickel-59	1.12E-02
carbon-14	5.47E-01	nickel-63	1.12E+00
cerium-141	7.56E-03	niobium-95	5.04E-03
cesuim-134	5.35E-02	plutonium-238	2.60E-04
cesium-137	4.25E-01	plutonium-239/240	1.77E-04
chromium-51	1.93E-01	plutonium-241	8.48E-03
cobalt-57	7.38E-06	silver-110m	8.22E-01
cobalt-58	5.23E-01	strontium-89	2.63E+00
cobalt-60	6.01E+01	strontium-90	1.30E-01
curium-242	7.07E-05	technetium-99	2.05E-03
curium-243/244	1.47E-04	tritium	9.21E-03
iodine-129	1.07E-02	xenon-131m	6.32E-02
iodine-131	3.52E-02	xenon-133	9.65E-04
iodine-133	1.75E-06	zinc-65	7.47E-01
iron-55	2.19E+01		

TABLE 3

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS (continued)
 PERIOD January 1, 2000 TO December 31, 2000

b.			
	americium-241	5.56E-04	manganese-54 3.97E-01
	cadmium-109	9.60E-05	nickel-59 8.71E-02
	carbon-14	1.11E-02	nickel-63 1.13E+01
	cerium-141	2.08E-04	niobium-94 2.60E-05
	cerium-144	4.66E-04	niobium-95 1.28E-02
	cesium-137	8.46E-01	plutonium-241 1.44E-04
	chromium-51	1.34E-01	silver-110m 8.40E-04
	cobalt-58	2.12E-02	strontium-89 1.48E-03
	cobalt-60	4.54E+01	strontium-90 1.01E-03
	iodine-129	3.64E-04	technetium-99 8.80E-05
	iodine-131	1.03E-03	tritium 3.41E-03
	iron-55	4.13E+01	zinc-65 3.55E-01
	iron-59	3.06E-02	zirconium-95 1.26E-02

3. Solid Waste Disposition

<u>Number of Shipments</u>	<u>Mode of Transportation</u>	<u>Destination</u>
21	Exclusive Use Vehicle	Barnwell, SC

4. Solidification Agent

No shipments required solidification during this period.

B. Irradiated Fuel Shipments (Disposition)

<u>Number of Shipments</u>	<u>Mode of Transportation</u>	<u>Destination</u>
0	N/A	N/A

GASEOUS RADIOACTIVE WASTES CUMULATIVE DOSE DATA

A.	Maximum gamma air dose	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Annual
	Site boundary	(0.69 miles NNW)	(0.67 miles North)	(0.67 mi North)		
	1. Total mrad	1.20E-4	2.66E-4	6.43E-3	3.34E-2	4.28E-2
	2. Percent of Technical Specification Limit %	0.00	0.01	0.13	0.67	0.43
	Most Exposed Resident	(0.90 mi.NW)	(0.90 mi NW)	(0.90 mi NW)		
	1. Total mrad	9.42E-4	2.36E-4	1.12E-2	3.01E-2	4.27E-2
	2. Percent of Technical Specification Limit %	0.02	0.00	0.22	0.60	0.43
B.	Maximum beta air dose					
	Site boundary	(0.69 miles NNW)	(0.67 miles North)	(0.67 mi North)		
	1. Total mrad	1.10E-4	2.82E-4	6.13E-3	2.55E-2	3.66E-2
	2. Percent of Technical Specification Limit %	0.00	0.00	0.06	0.26	0.18
	Most Exposed Resident	(0.90 miles NW)	(0.90 miles NW)	(0.90 mi NW)		
	1. Total mrad	8.97E-4	2.37E-4	1.05E-2	2.73E-2	4.05E-2
	2. Percent of Technical Specification Limit %	0.01	0.00	0.11	0.27	0.20
C.	Maximum organ dose due to I-131, I-133, and particulates (>8 day half lives)					
	Site boundary	(0.69 miles NNW)	(0.67 miles North)	(0.67 mi North)		
	1. Total mrem	2.01E-1	6.57E-2	7.34E-2	1.78E-1	7.46E-1
	2. Percent of Technical Specification Limit %	2.68	0.88	0.98	2.37	4.97
	3. Organ	Thyroid	Thyroid	Thyroid	Bone	Thyroid
	4. Exposed Individual	Infant	Infant	Infant	Child	Infant
	Most Exposed Resident	(0.90 miles NW)	(0.90 miles NW)	(0.90 mi NW)		
	1. Total mrem	9.52E-2	3.43E-2	6.04E-2	1.80E-1	4.00E-1
	2. Percent of Technical Specification Limit %	1.27	0.46	0.81	2.40	2.67
	3. Organ	Thyroid	Thyroid	Thyroid	Thyroid	Thyroid
	4. Exposed Individual	Infant	Infant	Infant	Infant	Infant
D.	Maximum organ dose rate due to I-131, I-133, tritium, and particulates (>8 day half-lives) was 7.46 E-01 mrem/year which was 4.97% of the Technical Specification Limit.					
E.	All radioactive noble gas effluent monitors were set to automatically alarm when the monitor alarm setpoint, determined as specified in the Offsite Dose Assessment Manual (ODAM), was exceeded. This is required to ensure that the 500 mrem/yr to the total body and the 3000 mrem/yr to the skin limits are not exceeded.					

LIQUID RADIOACTIVE WASTES CUMULATIVE DOSE DATA

A. Maximum whole body dose			<u>1st Qtr</u>	<u>2nd Qtr</u>	<u>3rd Qtr</u>	<u>4th Qtr</u>	<u>Annual</u>
1. Total	mrem		1.28E-3	0.00E+0	0.00E+0	0.00E+0	1.28E-3
2. Percent of Technical Specification Limit	%		0.09	0.00	0.00	0.00	0.04
B. Maximum organ dose							
1. Total	mrem		3.71E-3	0.00E+0	0.00E+0	0.00E+0	3.71E-3
2. Percent of Technical Specification Limit	%		0.07	0.00	0.00	0.00	0.04
C.		All radioactive liquid effluents were diluted, at time of discharge to concentrations below the concentrations specified in 10 CFR Part 20.1302 for radionuclides other than dissolved or entrained noble gases. For dissolved and entrained noble gases the concentrations were diluted below $2 \times 10^{-4} \mu\text{Ci/ml}$ total activity.					

SUPPLEMENTAL INFORMATION

A. Unplanned Releases:

None.

B. District Initiated Changes to the Process Control Program

The information below provides a summary of specific changes made to the Process Control Program (PCP) during the reporting period of January 1 - December 31, 2000. These changes were editorial and administrative in nature, and did not reduce the overall conformance of the solidified waste product to existing criteria for solid waste. These changes have been reviewed and found acceptable by the Station Operating Review Committee:

- Corrected the title of "Annual Radioactive Effluent Release Report" to read "Radioactive Effluent Release Report," to be consistent with Technical Specification Section (TS) 5.6.3 throughout the PCP.
- Correction of typographical errors.
- Revised references from "Technical Specifications" to the "Offsite Dose Assessment Manual," pursuant to Amendment No. 178 to the CNS Operating License, which implemented Improved TS and relocated several requirements from the CNS TS to the Offsite Dose Assessment Manual (ODAM).
- Addition of a new Section H to the PCP which identifies the requirements for "District Initiated Changes" to the PCP as described in the Updated Safety Analysis Report (USAR).

C. Changes to the Offsite Dose Assessment Manual

In accordance with Technical Specifications (TS) 5.5.1.c.3, a complete, legible copy of the entire ODA is being submitted along with the 2000 Radioactive Effluent Release Report. The specific changes are identified with revision bars in the right-hand margin of the affected pages; pages revised during 2000 are identified as such by date in the lower right-hand corner of the affected pages.

D. Reports Required by Offsite Dose Assessment Manual

D.1 Service Water Radiation Effluent Monitor Out of Service

The following information is being reported per the requirements of ODA Specification D 3.3.1, Condition B, Required Action B.2.2. This information describes a continuation of a condition that was previously reported in the 1999 Annual Radioactive Effluent

Release Report^{1./} and is being reported below due to the condition continuing for a period of greater than 31 days during the January 1 - December 31, 2000 reporting period.

The Service Water (SW) Radiation Effluent Monitor had been declared inoperable for the majority of the reporting period (January 1, 2000 to December 31, 2000). This was due to the low SW flow condition to the SW Radiation Effluent Monitor caused by system design inadequacies. Therefore, ODAM Specification D 3.3.1, Required Action D.1 has been implemented requiring daily grab samples of the SW effluent to be taken. These daily grab samples provide continued confirmation that no radioactive releases have occurred. Actions to address the design inadequacies with the SW Radiation Effluent Monitor are being addressed in the Corrective Action Program.

D.2 Augmented Off Gas System (AOG) Hydrogen (H₂) Analyzers Out of Service

The following information is being reported per the requirements of ODAM Specification D 3.3.2, Condition B, Required Action B.2.2. This information has been previously reported in the 1999 Annual Radioactive Effluent Release Report^{1./} and is being reported below due to the condition continuing for a period of greater than 31 days during the January 1 - December 31, 2000 reporting period.

On October 18, 1999, an unexpected Group 2 isolation caused the Augmented Off Gas (AOG) system to trip off-line. This caused one of the two cyclic dryer heaters for the AOG train A to fail. Because of this only half the heating capacity to regenerate the AOG desiccant beds was available upon startup of the AOG system. This resulted in the dewpoint only achieving approximately -30° F. Per procedure, the Hydrogen (H₂) Analyzers require a dewpoint of -50° F before being calibrated and placed in service, therefore the analyzers have not been in service for the balance of 1999, and for the first two months of 2000.

In the interim, compensatory measures delineated in DLCO 3.3.2 were taken due to the unavailability of the H₂ analyzers. In accordance with the ODAM requirements, these measures consisted of obtaining and analyzing Off Gas grab samples for hydrogen concentration and monitoring recombiner temperatures. The new cyclic dryer heaters were installed in April 2000 during Refueling Outage 19.

1./ Letter (No. NLS 2000037) to USNRC Document Control Desk from John H. Swailes (NPPD) dated May 1, 2000, "Annual Radioactive Effluent Release Report"

APPENDIX B

METEOROLOGY

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METEOROLOGICAL DATA SUMMARIES

Meteorological data collected onsite for the period January 1, 2000, through December 31, 2000, were reduced, validated, summarized for analysis, and included in appropriate dose calculations. Hourly data summaries are provided for all pertinent parameters and for the joint frequency distributions (JFD's) of wind speed and wind direction by atmospheric stability class.

DATA RECOVERY

Data recovery statistics are provided in Table 1 for all pertinent meteorological parameters.

		<u>Lowest</u> <u>Data Recovery</u>	<u>Average</u> <u>Data Recovery</u>
January 1 - March 31, 2000	(Q1)	81.5%	94.9%
April 1 - June 30, 2000	(Q2)	78.8%	97.0%
First Semiannual Period - January 1 - June 30, 2000	(SEM1)	88.0%	96.0%
July 1 - September 30, 2000	(Q3)	52.9%	90.7%
October 1 - December 31, 2000	(Q4)	20.2%	92.8%
Second Semiannual Period - July 1 - December 31, 2000	(SEM2)	44.2%	91.8%
Annual Period - January 1 - December 31, 2000	(ANN)	71.8%	93.9%

10 meter back-up temperature data was used, when necessary, to replace invalid 10 meter temperature data.

WIND AT 100-METER LEVEL AND 10-METER LEVEL

	<u>Predominant Wind Direction at 100m Level</u>		<u>Predominant Wind Direction at 10m Level</u>	
Q1	NorthNorthwest	11.5%	South	12.5%
Q2	South	17.9%	South	17.9%
SEM1	South	14.4%	South	15.2%
Q3	South	13.7%	South	13.5%
Q4	Northwest	13.3%	Northwest	13.0%
SEM2	South	12.5%	South	12.6%
ANN	South	13.5%	South	14.0%

	<u>Mean Wind Speed at 100m Level</u>	<u>Mean Wind Speed at 10m Level</u>
Q1	14.4 MPH	8.4 MPH
Q2	14.9 MPH	9.1 MPH
SEM1	14.6 MPH	8.8 MPH
Q3	12.5 MPH	6.7 MPH
Q4	14.3 MPH	8.6 MPH
SEM2	13.4 MPH	7.7 MPH
ANN	14.0 MPH	8.2 MPH

	<u>Maximum Hourly Average Wind Speed/(Date at 100m Level)</u>	<u>Maximum Hourly Average Wind Speed/(Date at 10m Level)</u>
Q1	40.5 MPH/(00/03/08)	32.8 MPH/(00/01/19)
Q2	47.7 MPH/(00/04/07)	37.9 MPH/(00/04/07)
SEM1	47.7 MPH/(00/04/07)	37.9 MPH/(00/04/07)
Q3	29.2 MPH/(00/09/18)	20.8 MPH/(00/09/18)
Q4	35.3 MPH/(00/12/18)	30.7 MPH/(00/12/18)
SEM2	35.3 MPH/(00/12/18)	30.7 MPH/(00/12/18)
ANN	47.7 MPH/(00/04/07)	37.9 MPH/(00/04/07)

TEMPERATURE AT 10-METER LEVEL

	<u>Mean Hourly Average Temperature</u>	<u>Average Daily Maximum</u>	<u>Average Daily Minimum</u>
Q1	4.1 Degrees Celsius	9.1 Degrees Celsius	-1.1 Degrees Celsius
Q2	18.2 Degrees Celsius	23.9 Degrees Celsius	12.6 Degrees Celsius
SEM1	11.1 Degrees Celsius	16.5 Degrees Celsius	5.8 Degrees Celsius
Q3	23.9 Degrees Celsius	29.5 Degrees Celsius	18.9 Degrees Celsius
Q4	2.5 Degrees Celsius	7.5 Degrees Celsius	-1.9 Degrees Celsius
SEM2	13.2 Degrees Celsius	18.5 Degrees Celsius	8.5 Degrees Celsius
ANN	12.2 Degrees Celsius	17.5 Degrees Celsius	7.2 Degrees Celsius

	<u>Maximum Temperature (Date)</u>	<u>Minimum Temperature (Date)</u>
Q1	23.9 Degrees Celsius (00/03/07)	-13.8 Degrees Celsius (00/01/26)
Q2	36.6 Degrees Celsius (00/05/11)	-1.8 Degrees Celsius (00/04/08)
SEM1	36.6 Degrees Celsius (00/05/11)	-13.8 Degrees Celsius (00/01/26)
Q3	39.9 Degrees Celsius (00/08/28)	5.9 Degrees Celsius (00/09/26)
Q4	31.1 Degrees Celsius (00/10/01)	-21.7 Degrees Celsius (00/12/22)
SEM2	39.9 Degrees Celsius (00/08/28)	-21.7 Degrees Celsius (00/12/22)
ANN	39.9 Degrees Celsius (00/08/28)	-21.7 Degrees Celsius (00/12/22)

PRECIPITATION

	<u>Total Precipitation</u>	<u>Maximum Daily Precipitation Total/ (Date)</u>	<u>Maximum Hourly Precipitation Total/ (Date)</u>
Q1	2.83 Inches	0.90 Inches (00/03/12)	0.90 Inches (00/03/12)
Q2	2.26 Inches	0.52 Inches (00/04/16)	0.26 Inches (00/04/27)
SEM1	5.09 Inches	0.90 Inches (00/03/12)	0.90 Inches (00/03/12)
Q3	5.20 Inches	1.90 Inches (00/08/19)	0.80 Inches (00/08/22)
Q4	3.60 Inches	0.90 Inches (00/11/06)	0.40 Inches (00/10/13)
SEM2	8.80 Inches	1.90 Inches (00/08/19)	0.80 Inches (00/08/22)
ANN	13.89 Inches	1.90 Inches (00/08/19)	0.90 Inches (00/03/12)

ATMOSPHERIC STABILITY

Atmospheric stability is determined through classification of differential temperature data based on JFD of the 100-meter wind and the delta T (100m - 10m) stability data.

	<u>Unstable Conditions Classes A-C</u>	<u>Neutral Conditions Class D</u>	<u>Stable Conditions Classes E-G</u>
Q1	4%	53%	43%
Q2	12%	49%	39%
SEM1	8%	51%	41%
Q3	8%	42%	50%
Q4	1%	59%	40%
SEM2	5%	51%	44%
ANN	6%	51%	43%

TABLE 1. Meteorological Data Recovery

Data Recovery (% of total Observations)

	January- March <u>2000</u>	April- June <u>2000</u>	January- June <u>2000</u>	July- Sept. <u>2000</u>	October- Dec. <u>2000</u>	July- Dec. <u>2000</u>	January- Dec. <u>2000</u>
100m wind speed	99.5	99.9	99.7	92.3	97.7	95.0	97.3
100m wind direction	99.5	99.9	99.7	92.3	97.7	95.0	97.3
100m ambient temperature	99.3	99.9	99.6	99.8	97.7	98.8	99.2
60m wind speed	99.5	99.9	99.7	92.3	97.7	95.0	97.3
60m wind direction	99.5	99.9	99.7	68.1	20.2	44.2	71.8
60m ambient temperature	84.8	96.9	90.9	99.4	97.1	98.2	94.6
10m wind speed	97.4	99.9	98.7	92.3	97.7	95.0	96.8
10m wind direction	97.4	99.9	98.7	92.3	97.7	95.0	96.8
10m ambient temperature	98.1	97.0	97.6	97.5	97.7	97.6	97.6
10m dew point	98.6	78.8	88.7	52.9	97.6	75.3	82.0
100m-10m delta T	97.9	97.0	97.5	97.3	97.7	97.5	97.5
100m-60m delta T	84.5	96.9	90.7	99.4	97.1	98.2	94.5
60m-10m delta T	83.3	94.5	88.9	96.9	97.1	97.0	93.0
Precipitation	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100m JFD	97.9	97.0	97.5	89.7	97.7	93.7	95.6
10m JFD	81.5	94.5	88.0	89.3	97.0	93.2	90.6

JFD - Joint Frequency Distribution of wind speed, wind direction and atmospheric stability.

MONTHLY SUMMARY TABLES OF HOURLY METEOROLOGICAL DATA

The tables presented in this section provide a summary of hourly averages of measured meteorological parameters. The tables provide summaries by month for the annual period January through December, 2000. Summaries for the first quarter, second quarter, third quarter, fourth quarter, and semiannual periods are also provided. The parameters provided are listed below.

- * 10 meter ambient temperature.
- * Wind direction frequencies at 10 meters and 100 meters.
- * Precipitation.

Any missing or non-measured data are indicated by a field of 9's.

10-Meter Ambient Temperature
and
10-Meter Dew Point Temperature

10 meter back-up temperature data was used, when necessary, to replace invalid 10 meter temperature data.

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JAN-MAR 2000

MONTHLY HOUR AVERAGES FOR THE PERIOD 1/ 1/ 0 TO 3/31/ 0

JANUARY

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	31.	-1.7	31.	-8.3	31.	61.9	31.	2.8	31.	-3.8
2	29.	-2.7	31.	-8.5	29.	62.9	29.	2.6	29.	-4.6
3	29.	-3.1	31.	-8.6	29.	63.9	29.	2.6	29.	-5.0
4	29.	-3.5	31.	-8.8	29.	64.8	29.	2.6	29.	-5.2
5	29.	-3.6	31.	-8.9	29.	65.0	29.	2.6	29.	-5.4
6	29.	-3.8	31.	-9.0	29.	65.2	29.	2.6	29.	-5.5
7	29.	-3.8	31.	-9.1	29.	65.1	29.	2.5	29.	-5.5
8	30.	-3.8	31.	-9.1	30.	66.2	30.	2.6	30.	-5.4
9	30.	-3.4	31.	-8.8	30.	65.8	30.	2.7	30.	-5.1
10	30.	-2.1	31.	-8.2	30.	63.0	30.	2.8	30.	-4.1
11	30.	-0.6	31.	-7.7	30.	58.6	30.	2.9	30.	-3.0
12	31.	0.7	31.	-7.5	31.	55.5	31.	3.0	31.	-2.0
13	31.	1.9	31.	-7.4	31.	51.5	31.	2.9	31.	-1.3
14	31.	2.9	31.	-7.4	31.	48.3	31.	2.9	31.	-0.7
15	31.	3.4	31.	-7.3	31.	47.1	31.	3.0	31.	-0.3
16	31.	3.6	31.	-7.3	31.	46.6	31.	2.9	31.	-0.3
17	31.	3.3	31.	-7.6	31.	46.9	31.	2.9	31.	-0.5
18	31.	2.3	31.	-7.8	31.	49.1	31.	2.8	31.	-1.1
19	31.	1.3	31.	-8.0	31.	51.9	31.	2.8	31.	-1.8
20	31.	0.7	31.	-8.1	31.	53.8	31.	2.8	31.	-2.2
21	31.	0.0	31.	-8.4	31.	55.4	31.	2.8	31.	-2.7
22	31.	-0.7	31.	-8.3	31.	58.1	31.	2.8	31.	-3.2
23	31.	-1.1	31.	-8.4	31.	59.4	31.	2.7	31.	-3.4
24	31.	-1.7	31.	-8.5	31.	60.8	31.	2.7	31.	-3.9
HOURLY MEAN		-0.6		-8.2		57.7		2.8		-3.1
AVG DAILY MAX		4.3		-5.5		70.9		3.4		0.4
AVG DAILY MIN		-5.2		-11.2		44.2		2.2		-6.7
ABSOLUTE MAX		14.0		4.7		81.3		6.6		8.3
ABSOLUTE MIN		-13.8		-17.7		19.0		1.3		-14.5
TOTAL OBS		728		744		728		728		728

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JAN-MAR 2000

MONTHLY HOUR AVERAGES FOR THE PERIOD 1/ 1/ 0 TO 3/31/ 0

FEBRUARY

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	27.	3.0	28.	-3.4	27.	64.4	27.	4.2	27.	0.6
2	28.	2.4	28.	-3.6	27.	65.5	27.	4.2	27.	0.4
3	28.	2.1	28.	-3.7	27.	66.1	27.	4.1	27.	0.1
4	28.	1.8	28.	-3.8	27.	66.7	27.	4.1	27.	-0.1
5	28.	1.4	28.	-4.0	27.	67.9	27.	4.0	27.	-0.4
6	28.	1.1	28.	-4.0	27.	69.0	27.	4.0	27.	-0.6
7	28.	0.9	28.	-4.1	27.	69.7	27.	4.0	27.	-0.7
8	28.	0.8	28.	-4.0	27.	70.2	27.	4.1	27.	-0.7
9	27.	1.4	27.	-3.5	26.	69.9	26.	4.2	26.	-0.2
10	27.	3.0	27.	-2.7	26.	66.7	26.	4.4	26.	1.0
11	28.	4.4	27.	-2.1	27.	62.8	27.	4.5	27.	2.0
12	28.	5.7	27.	-1.9	27.	58.8	27.	4.5	27.	2.8
13	28.	7.1	27.	-1.8	27.	54.7	27.	4.6	27.	3.6
14	28.	8.1	27.	-1.9	27.	51.2	27.	4.5	27.	4.1
15	28.	8.6	27.	-2.1	27.	49.0	27.	4.5	27.	4.3
16	28.	8.8	28.	-2.1	28.	49.9	28.	4.5	28.	4.3
17	28.	8.7	28.	-2.5	28.	48.5	28.	4.3	28.	4.1
18	28.	8.0	28.	-2.6	28.	50.1	28.	4.3	28.	3.7
19	28.	6.8	28.	-2.8	28.	52.9	28.	4.2	28.	3.0
20	29.	5.8	28.	-2.9	28.	55.1	28.	4.2	28.	2.4
21	29.	5.0	28.	-2.9	28.	57.9	28.	4.2	28.	2.0
22	28.	4.6	28.	-2.8	27.	60.3	27.	4.4	27.	1.9
23	28.	4.2	28.	-2.8	27.	61.7	27.	4.4	27.	1.7
24	28.	3.6	28.	-3.0	27.	63.1	27.	4.3	27.	1.3
HOURLY MEAN		4.5		-3.0		60.4		4.3		1.7
AVG DAILY MAX		9.5		-0.1		73.0		5.1		5.0
AVG DAILY MIN		-1.1		-6.2		44.7		3.3		-2.4
ABSOLUTE MAX		20.6		13.5		89.7		11.5		15.6
ABSOLUTE MIN		-9.9		-14.4		24.5		1.6		-10.6
TOTAL OBS		671		665		652		652		652

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JAN-MAR 2000

MONTHLY HOUR AVERAGES FOR THE PERIOD 1/ 1/ 0 TO 3/31/ 0

MARCH

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	31.	6.1	31.	-0.8	31.	62.0	31.	4.8	31.	3.3
2	31.	5.5	31.	-0.9	31.	64.0	31.	4.8	31.	2.9
3	31.	5.2	31.	-1.0	31.	64.6	31.	4.8	31.	2.7
4	31.	5.0	31.	-1.1	31.	65.3	31.	4.7	31.	2.6
5	31.	4.6	31.	-1.2	31.	66.8	31.	4.7	31.	2.3
6	31.	4.2	31.	-1.3	31.	67.8	31.	4.7	31.	2.0
7	31.	4.0	31.	-1.4	31.	68.5	31.	4.6	31.	1.9
8	31.	4.3	31.	-1.1	31.	68.1	31.	4.7	31.	2.2
9	31.	5.8	31.	-0.8	31.	63.3	31.	4.8	31.	3.1
10	31.	7.4	31.	-0.5	31.	59.0	31.	4.9	31.	4.1
11	31.	9.0	31.	-0.3	31.	54.1	31.	4.9	31.	5.0
12	31.	10.3	31.	-0.4	31.	49.8	31.	4.9	31.	5.7
13	31.	11.1	31.	-0.7	31.	46.7	31.	4.8	31.	6.1
14	31.	11.8	31.	-0.9	31.	44.2	31.	4.8	31.	6.4
15	31.	12.3	31.	-0.9	31.	42.8	31.	4.7	31.	6.6
16	31.	12.7	31.	-1.1	31.	41.5	31.	4.7	31.	6.7
17	31.	12.7	31.	-1.2	31.	41.0	31.	4.6	31.	6.7
18	31.	12.4	31.	-1.2	31.	41.8	31.	4.6	31.	6.5
19	31.	11.4	31.	-1.0	31.	44.8	31.	4.7	31.	6.1
20	31.	10.2	31.	-0.8	31.	48.9	31.	4.8	31.	5.6
21	31.	9.2	31.	-0.6	31.	52.5	31.	4.9	31.	5.1
22	31.	8.3	31.	-0.5	31.	55.3	31.	4.9	31.	4.6
23	31.	7.4	31.	-0.8	31.	57.4	31.	4.8	31.	4.1
24	31.	6.7	31.	-0.7	31.	60.0	31.	4.8	31.	3.7
HOURLY MEAN		8.2		-0.9		55.4		4.8		4.4
AVG DAILY MAX		13.4		2.2		72.4		5.9		7.5
AVG DAILY MIN		3.0		-3.8		38.4		3.9		0.9
ABSOLUTE MAX		23.9		12.9		81.5		11.0		16.8
ABSOLUTE MIN		-5.6		-14.7		19.0		1.5		-7.1
TOTAL OBS		744		744		744		744		744

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JAN-MAR 2000

JAN-MAR HOUR AVERAGES FOR THE PERIOD 1/ 1/ 0 TO 3/31/ 0

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	89.	2.4	90.	-4.2	89.	62.7	89.	3.9	89.	0.0
2	88.	1.8	90.	-4.3	87.	64.1	87.	3.9	87.	-0.4
3	88.	1.5	90.	-4.5	87.	64.9	87.	3.8	87.	-0.6
4	88.	1.2	90.	-4.6	87.	65.6	87.	3.8	87.	-0.9
5	88.	0.9	90.	-4.7	87.	66.5	87.	3.8	87.	-1.1
6	88.	0.6	90.	-4.8	87.	67.3	87.	3.8	87.	-1.3
7	88.	0.4	90.	-4.9	87.	67.7	87.	3.8	87.	-1.4
8	89.	0.5	90.	-4.8	88.	68.1	88.	3.8	88.	-1.3
9	88.	1.3	89.	-4.4	87.	66.1	87.	3.9	87.	-0.7
10	88.	2.8	89.	-3.8	87.	62.7	87.	4.0	87.	0.4
11	89.	4.3	89.	-3.4	88.	58.3	88.	4.1	88.	1.4
12	90.	5.6	89.	-3.3	89.	54.5	89.	4.1	89.	2.1
13	90.	6.7	89.	-3.4	89.	50.8	89.	4.1	89.	2.7
14	90.	7.6	89.	-3.5	89.	47.8	89.	4.1	89.	3.2
15	90.	8.1	89.	-3.5	89.	46.2	89.	4.0	89.	3.5
16	90.	8.3	90.	-3.6	90.	45.9	90.	4.0	90.	3.6
17	90.	8.2	90.	-3.8	90.	45.4	90.	3.9	90.	3.4
18	90.	7.6	90.	-3.9	90.	46.9	90.	3.9	90.	3.0
19	90.	6.5	90.	-4.0	90.	49.8	90.	3.9	90.	2.4
20	91.	5.5	90.	-4.0	90.	52.5	90.	3.9	90.	1.9
21	91.	4.7	90.	-4.0	90.	55.2	90.	3.9	90.	1.5
22	90.	4.0	90.	-3.9	89.	57.8	89.	4.0	89.	1.1
23	90.	3.5	90.	-4.0	89.	59.4	89.	4.0	89.	0.7
24	90.	2.9	90.	-4.1	89.	61.2	89.	3.9	89.	0.3
HOURLY MEAN		4.1		-4.1		57.7		3.9		1.0
AVG DAILY MAX		9.1		-1.2		72.1		4.8		4.3
AVG DAILY MIN		-1.1		-7.1		42.4		3.1		-2.8
ABSOLUTE MAX		23.9		13.5		89.7		11.5		16.8
ABSOLUTE MIN		-13.8		-17.7		19.0		1.3		-14.5
TOTAL OBS		2143		2153		2124		2124		2124

B11

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY APR-JUN 2000

MONTHLY HOUR AVERAGES FOR THE PERIOD 4/ 1/ 0 TO 6/30/ 0

APRIL

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	30.	9.8	29.	2.0	29.	61.1	29.	5.7	29.	6.2
2	29.	9.4	28.	1.8	28.	61.5	28.	5.6	28.	5.9
3	30.	8.8	29.	1.6	29.	63.3	29.	5.5	29.	5.5
4	30.	8.4	30.	1.7	30.	64.1	30.	5.6	30.	5.5
5	30.	8.1	30.	1.8	30.	65.7	30.	5.7	30.	5.4
6	30.	7.8	30.	1.7	30.	66.7	30.	5.6	30.	5.2
7	30.	7.9	30.	2.0	30.	67.4	30.	5.7	30.	5.3
8	30.	8.9	30.	2.3	30.	64.4	30.	5.8	30.	6.0
9	30.	10.4	30.	2.5	30.	59.0	30.	5.8	30.	6.8
10	30.	12.0	30.	2.2	30.	52.7	30.	5.7	30.	7.5
11	30.	13.6	30.	1.8	30.	47.2	30.	5.5	30.	8.1
12	30.	14.9	30.	1.6	30.	43.5	30.	5.4	30.	8.7
13	30.	15.5	30.	1.5	30.	42.0	30.	5.4	30.	8.9
14	30.	16.1	29.	1.3	29.	41.1	29.	5.3	29.	9.0
15	30.	16.6	29.	1.2	29.	40.3	29.	5.3	29.	9.2
16	30.	16.9	29.	1.3	29.	39.3	29.	5.4	29.	9.4
17	30.	16.9	29.	1.5	29.	39.7	29.	5.5	29.	9.5
18	30.	16.5	28.	1.7	28.	41.8	28.	5.6	28.	9.2
19	30.	15.5	28.	1.9	28.	44.5	28.	5.7	28.	8.9
20	30.	14.1	28.	2.0	28.	48.0	28.	5.7	28.	8.3
21	30.	12.9	28.	2.2	28.	52.3	28.	5.8	28.	7.8
22	30.	12.0	28.	2.5	28.	56.0	28.	5.9	28.	7.4
23	30.	11.2	28.	2.6	28.	58.8	28.	6.0	28.	7.1
24	28.	9.9	29.	2.5	28.	59.7	28.	5.7	28.	6.4
HOURLY MEAN		12.3		1.9		53.4		5.6		7.4
AVG DAILY MAX		18.2		5.5		72.0		7.2		10.7
AVG DAILY MIN		6.3		-1.3		34.7		4.4		3.7
ABSOLUTE MAX		31.2		16.5		87.0		13.8		18.4
ABSOLUTE MIN		-1.8		-10.7		19.0		2.1		-3.9
TOTAL OBS	717		699		698		698		698	

B12

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY APR-JUN 2000

MONTHLY HOUR AVERAGES FOR THE PERIOD 4/ 1/ 0 TO 6/30/ 0

MAY

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	27.	17.6	17.	8.4	15.	65.0	15.	8.7	15.	11.8
2	28.	17.3	18.	8.3	16.	67.8	16.	8.6	16.	11.5
3	29.	16.7	20.	8.5	18.	69.4	18.	8.8	18.	11.6
4	29.	15.9	24.	9.0	22.	69.9	22.	9.1	22.	12.0
5	29.	15.6	25.	8.7	23.	69.5	23.	8.9	23.	11.7
6	29.	15.3	26.	8.7	24.	69.9	24.	8.9	24.	11.6
7	30.	15.5	25.	8.9	24.	69.5	24.	8.8	24.	11.5
8	30.	16.9	25.	9.3	24.	65.1	24.	9.0	24.	12.2
9	30.	18.7	25.	9.5	24.	59.8	24.	9.1	24.	13.1
10	30.	20.2	24.	9.1	23.	54.2	23.	8.8	23.	13.4
11	30.	21.5	21.	9.0	20.	51.7	20.	8.7	20.	13.6
12	30.	22.8	18.	8.1	17.	47.4	17.	8.1	17.	13.3
13	30.	23.7	19.	7.9	18.	44.6	18.	8.0	18.	13.6
14	30.	24.5	18.	7.6	17.	42.2	17.	7.8	17.	13.7
15	30.	24.9	18.	7.6	17.	41.9	17.	7.7	17.	13.8
16	30.	25.1	17.	7.4	16.	42.2	16.	7.6	16.	13.7
17	31.	25.0	16.	7.5	16.	44.8	16.	8.1	16.	14.0
18	31.	24.7	14.	6.9	14.	44.9	14.	7.7	14.	13.3
19	31.	23.9	15.	7.3	15.	46.6	15.	8.0	15.	13.4
20	31.	22.3	17.	8.2	17.	49.7	17.	8.4	17.	13.6
21	30.	21.2	17.	8.3	16.	55.1	16.	8.8	16.	13.5
22	30.	20.3	18.	8.4	17.	57.2	17.	8.8	17.	13.2
23	30.	19.3	18.	8.3	17.	59.7	17.	8.7	17.	12.7
24	16.	15.9	16.	8.0	15.	63.7	15.	8.7	15.	12.0
HOURLY MEAN		20.3		8.4		57.3		8.6		12.8
AVG DAILY MAX		25.9		11.8		71.5		10.5		15.8
AVG DAILY MIN		14.3		6.8		42.2		7.8		11.1
ABSOLUTE MAX		36.6		18.3		82.6		15.4		21.3
ABSOLUTE MIN		5.9		-4.5		19.0		3.3		2.3
TOTAL OBS		701		471		445		445		445

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY APR-JUN 2000

MONTHLY HOUR AVERAGES FOR THE PERIOD 4/ 1/ 0 TO 6/30/ 0

JUNE

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	29.	19.7	25.	13.2	24.	69.9	24.	11.4	24.	15.5
2	29.	19.3	26.	13.2	25.	71.6	25.	11.3	25.	15.2
3	29.	18.8	26.	12.8	25.	71.9	25.	11.1	25.	14.8
4	29.	18.5	26.	12.6	25.	72.4	25.	10.9	25.	14.6
5	29.	18.0	27.	12.6	26.	73.2	26.	10.9	26.	14.5
6	29.	18.1	27.	12.8	26.	73.7	26.	11.1	26.	14.6
7	29.	18.7	26.	13.1	25.	72.2	25.	11.3	25.	15.1
8	29.	20.0	27.	13.4	26.	67.8	26.	11.6	26.	15.9
9	29.	21.2	26.	13.6	25.	62.6	25.	11.7	25.	16.6
10	30.	22.5	24.	13.3	24.	57.7	24.	11.6	24.	17.0
11	30.	23.5	24.	13.3	24.	54.8	24.	11.6	24.	17.3
12	30.	24.5	22.	12.6	22.	50.6	22.	11.0	22.	17.2
13	30.	25.4	20.	12.3	20.	49.3	20.	10.8	20.	17.2
14	30.	26.0	19.	12.3	19.	48.0	19.	10.8	19.	17.3
15	30.	26.5	18.	12.2	18.	46.7	18.	10.7	18.	17.4
16	30.	26.8	18.	12.0	18.	44.8	18.	10.6	18.	17.5
17	30.	26.6	19.	12.4	19.	47.2	19.	10.9	19.	17.6
18	30.	25.8	21.	12.5	21.	49.5	21.	11.0	21.	17.5
19	30.	25.3	21.	12.5	21.	50.7	21.	11.0	21.	17.3
20	30.	23.8	21.	12.7	21.	54.7	21.	11.2	21.	16.9
21	30.	22.3	22.	13.0	22.	59.7	22.	11.4	22.	16.6
22	29.	21.2	22.	13.4	21.	65.2	21.	11.5	21.	16.1
23	29.	20.6	23.	13.5	22.	67.3	22.	11.6	22.	16.0
24	21.	18.5	22.	13.0	21.	69.9	21.	11.2	21.	15.2
HOURLY MEAN		22.2		12.9		61.4		11.2		16.2
AVG DAILY MAX		27.4		15.5		76.8		13.2		18.7
AVG DAILY MIN		17.1		11.4		48.9		10.2		14.4
ABSOLUTE MAX		33.7		20.5		85.6		17.6		22.9
ABSOLUTE MIN		11.0		4.6		28.1		6.2		9.2
TOTAL OBS	700		552		540		540		540	

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY APR-JUN 2000

APR-JUN HOUR AVERAGES FOR THE PERIOD 4/ 1/ 0 TO 6/30/ 0

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	86.	15.6	71.	7.5	68.	65.1	68.	8.4	68.	10.7
2	86.	15.3	72.	7.5	69.	66.6	69.	8.4	69.	10.6
3	88.	14.7	75.	7.3	72.	67.8	72.	8.3	72.	10.3
4	88.	14.2	80.	7.4	77.	68.4	77.	8.3	77.	10.3
5	88.	13.9	82.	7.5	79.	69.3	79.	8.3	79.	10.2
6	88.	13.6	83.	7.5	80.	69.9	80.	8.4	80.	10.2
7	89.	14.0	81.	7.7	79.	69.6	79.	8.4	79.	10.3
8	89.	15.2	82.	8.1	80.	65.7	80.	8.6	80.	11.1
9	89.	16.7	81.	8.2	79.	60.3	79.	8.7	79.	11.8
10	90.	18.2	78.	7.7	77.	54.7	77.	8.5	77.	12.3
11	90.	19.5	75.	7.5	74.	50.9	74.	8.3	74.	12.6
12	90.	20.7	70.	6.7	69.	46.7	69.	7.9	69.	12.5
13	90.	21.5	69.	6.4	68.	44.8	68.	7.7	68.	12.6
14	90.	22.2	66.	6.2	65.	43.4	65.	7.6	65.	12.7
15	90.	22.7	65.	6.0	64.	42.5	64.	7.5	64.	12.7
16	90.	23.0	64.	5.9	63.	41.6	63.	7.5	63.	12.8
17	91.	22.9	64.	6.2	64.	43.2	64.	7.8	64.	13.0
18	91.	22.4	63.	6.5	63.	45.0	63.	7.9	63.	12.9
19	91.	21.6	64.	6.6	64.	47.0	64.	8.0	64.	12.7
20	91.	20.1	66.	7.0	66.	50.6	66.	8.1	66.	12.4
21	90.	18.8	67.	7.3	66.	55.4	66.	8.4	66.	12.1
22	89.	17.8	68.	7.6	66.	59.2	66.	8.4	66.	11.7
23	89.	17.0	69.	7.7	67.	61.8	67.	8.5	67.	11.4
24	65.	14.2	67.	7.3	64.	64.0	64.	8.2	64.	10.6
HOURLY MEAN		18.2		7.2		57.0		8.2		11.6
AVG DAILY MAX		23.9		10.9		73.4		10.3		15.0
AVG DAILY MIN		12.6		5.6		41.9		7.5		9.7
ABSOLUTE MAX		36.6		20.5		87.0		17.6		22.9
ABSOLUTE MIN		-1.8		-10.7		19.0		2.1		-3.9
TOTAL OBS		2118		1722		1683		1683		1683

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PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JAN-JUN 2000

JAN-JUN HOUR AVERAGES FOR THE PERIOD 1/ 1/ 0 TO 6/30/ 0

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	175.	8.9	161.	0.9	157.	63.7	157.	5.8	157.	4.7
2	174.	8.5	162.	0.9	156.	65.2	156.	5.9	156.	4.5
3	176.	8.1	165.	0.9	159.	66.2	159.	5.9	159.	4.3
4	176.	7.7	170.	1.0	164.	66.9	164.	5.9	164.	4.4
5	176.	7.4	172.	1.1	166.	67.8	166.	6.0	166.	4.3
6	176.	7.1	173.	1.1	167.	68.6	167.	6.0	167.	4.2
7	177.	7.3	171.	1.1	166.	68.6	166.	6.0	166.	4.2
8	178.	7.9	172.	1.4	168.	67.0	168.	6.1	168.	4.6
9	177.	9.1	170.	1.6	166.	63.4	166.	6.2	166.	5.3
10	178.	10.6	167.	1.6	164.	59.0	164.	6.1	164.	5.9
11	179.	12.0	164.	1.6	162.	54.9	162.	6.0	162.	6.5
12	180.	13.1	159.	1.1	158.	51.1	158.	5.8	158.	6.7
13	180.	14.1	158.	0.9	157.	48.2	157.	5.6	157.	7.0
14	180.	14.9	155.	0.6	154.	45.9	154.	5.5	154.	7.2
15	180.	15.4	154.	0.5	153.	44.7	153.	5.5	153.	7.4
16	180.	15.6	154.	0.4	153.	44.1	153.	5.4	153.	7.4
17	181.	15.6	154.	0.4	154.	44.5	154.	5.5	154.	7.4
18	181.	15.0	153.	0.4	153.	46.1	153.	5.5	153.	7.1
19	181.	14.1	154.	0.4	154.	48.6	154.	5.6	154.	6.7
20	182.	12.8	156.	0.7	156.	51.7	156.	5.7	156.	6.3
21	181.	11.7	157.	0.9	156.	55.3	156.	5.8	156.	6.0
22	179.	10.9	158.	1.0	155.	58.4	155.	5.9	155.	5.6
23	179.	10.2	159.	1.1	156.	60.4	156.	5.9	156.	5.3
24	155.	7.6	157.	0.7	153.	62.4	153.	5.7	153.	4.6
HOURLY MEAN		11.1		0.9		57.4		5.8		5.7
AVG DAILY MAX		16.5		4.8		72.7		7.5		9.6
AVG DAILY MIN		5.8		-0.9		42.2		5.3		3.4
ABSOLUTE MAX		36.6		20.5		89.7		17.6		22.9
ABSOLUTE MIN		-13.8		-17.7		19.0		1.3		-14.5
TOTAL OBS	4261		3875		3807		3807		3807	

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JUL-SEP 2000

MONTHLY HOUR AVERAGES FOR THE PERIOD 7/ 1/ 0 TO 9/30/ 0

JULY

10.0 METERS LEVEL

HOUR -----	TEMPERATURE -----		DEW POINT -----		RELATIVE HUM -----		ABSOLUTE HUM -----		WET BULB -----	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	31.	22.6	3.	17.5	3.	82.6	3.	14.8	3.	18.6
2	31.	22.2	3.	17.4	3.	83.4	3.	14.7	3.	18.5
3	31.	21.7	4.	15.7	4.	79.9	4.	13.5	4.	17.3
4	31.	21.3	6.	16.3	6.	79.9	6.	13.9	6.	17.8
5	31.	21.0	6.	16.9	6.	83.8	6.	14.4	6.	18.0
6	31.	20.8	6.	16.7	6.	84.3	6.	14.3	6.	17.8
7	31.	21.2	8.	16.2	8.	80.7	8.	13.8	8.	17.7
8	31.	22.2	8.	17.3	8.	83.0	8.	14.7	8.	18.5
9	31.	23.5	7.	17.1	7.	78.5	7.	14.6	7.	18.7
10	30.	24.9	6.	16.9	5.	72.3	5.	13.7	5.	18.3
11	30.	26.1	3.	18.6	2.	79.4	2.	15.4	2.	19.5
12	31.	27.0	3.	18.0	3.	69.4	3.	15.2	3.	20.2
13	30.	27.8	3.	18.3	3.	66.5	3.	15.4	3.	20.7
14	30.	28.3	2.	19.6	2.	64.0	2.	16.5	2.	22.2
15	29.	28.6	0.	-999.0	0.	-999.0	0.	-999.0	0.	-999.0
16	30.	28.6	0.	-999.0	0.	-999.0	0.	-999.0	0.	-999.0
17	31.	28.7	1.	21.9	1.	55.9	1.	18.7	1.	24.9
18	31.	28.5	1.	21.9	1.	57.2	1.	18.7	1.	24.8
19	31.	27.7	1.	21.9	1.	58.8	1.	18.8	1.	24.6
20	31.	26.1	1.	21.9	1.	63.0	1.	18.8	1.	24.3
21	31.	24.8	2.	19.8	2.	76.5	2.	16.9	2.	21.3
22	31.	24.0	2.	18.1	2.	81.0	2.	15.3	2.	19.4
23	31.	23.3	2.	18.6	2.	85.4	2.	15.8	2.	19.5
24	1.	22.8	2.	17.9	1.	75.8	1.	15.4	1.	19.9
HOURLY MEAN		24.8		17.5		78.2		14.8		18.9
AVG DAILY MAX		29.1		18.2		86.3		15.6		20.0
AVG DAILY MIN		20.6		15.7		68.4		13.4		17.6
ABSOLUTE MAX		34.4		21.9		91.7		18.9		24.9
ABSOLUTE MIN		16.3		10.3		55.9		9.3		13.6
TOTAL OBS		707		80		77		77		77

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JUL-SEP 2000

MONTHLY HOUR AVERAGES FOR THE PERIOD 7/ 1/ 0 TO 9/30/ 0

AUGUST

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	31.	23.8	15.	19.1	15.	74.9	15.	16.3	15.	20.8
2	31.	23.4	15.	18.8	15.	75.6	15.	16.1	15.	20.6
3	31.	23.1	15.	18.9	15.	77.5	15.	16.2	15.	20.5
4	31.	22.7	15.	18.6	15.	78.3	15.	15.9	15.	20.1
5	31.	22.4	15.	18.3	15.	78.7	15.	15.6	15.	19.8
6	31.	22.0	15.	18.0	15.	79.2	15.	15.4	15.	19.5
7	31.	22.1	15.	17.8	15.	79.1	15.	15.2	15.	19.3
8	31.	23.1	15.	18.2	15.	77.2	15.	15.5	15.	19.8
9	31.	24.5	15.	18.1	15.	71.7	15.	15.3	15.	20.2
10	31.	25.9	15.	18.2	15.	66.8	15.	15.3	15.	20.6
11	31.	27.3	15.	18.3	15.	63.0	15.	15.3	15.	21.1
12	30.	28.6	15.	18.4	15.	58.8	15.	15.4	15.	21.6
13	30.	29.5	15.	18.4	15.	56.6	15.	15.4	15.	21.9
14	30.	30.1	15.	18.3	15.	54.5	15.	15.3	15.	22.1
15	30.	30.7	15.	18.4	15.	52.6	15.	15.4	15.	22.4
16	31.	30.8	16.	18.7	16.	52.1	16.	15.7	16.	22.7
17	31.	30.7	16.	19.0	16.	53.2	16.	16.0	16.	22.8
18	31.	29.8	16.	19.3	16.	56.9	16.	16.3	16.	22.6
19	31.	28.4	16.	19.8	16.	63.5	16.	16.9	16.	22.5
20	31.	26.9	16.	19.6	16.	67.7	16.	16.7	16.	21.9
21	31.	25.9	16.	19.4	16.	70.9	16.	16.6	16.	21.4
22	31.	25.3	16.	18.9	16.	70.8	16.	16.1	16.	21.0
23	31.	24.6	16.	18.9	16.	72.4	16.	16.2	16.	20.9
24	16.	24.2	16.	19.0	16.	73.6	16.	16.3	16.	20.9
HOURLY MEAN		26.1		18.7		67.7		15.9		21.1
AVG DAILY MAX		31.4		21.3		83.1		18.5		23.5
AVG DAILY MIN		21.5		16.0		48.2		13.4		18.7
ABSOLUTE MAX		39.9		23.6		93.5		20.9		26.8
ABSOLUTE MIN		16.5		12.8		20.8		10.5		14.7
TOTAL OBS		725		369		369		369		369

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JUL-SEP 2000

MONTHLY HOUR AVERAGES FOR THE PERIOD 7/ 1/ 0 TO 9/30/ 0

SEPTEMBR

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	30.	18.3	30.	9.8	30.	59.8	30.	9.6	30.	13.7
2	30.	17.8	30.	9.8	30.	61.6	30.	9.5	30.	13.4
3	30.	17.1	30.	9.7	30.	63.6	30.	9.5	30.	13.1
4	30.	16.6	30.	9.7	30.	65.5	30.	9.5	30.	12.9
5	30.	16.1	30.	9.6	30.	67.2	30.	9.5	30.	12.6
6	30.	15.7	30.	9.6	30.	69.1	30.	9.5	30.	12.4
7	30.	15.6	30.	9.8	30.	70.4	30.	9.7	30.	12.5
8	30.	16.7	30.	10.3	30.	67.4	30.	9.9	30.	13.2
9	30.	18.9	30.	10.5	30.	59.9	30.	10.0	30.	14.3
10	30.	21.2	30.	10.3	30.	52.5	30.	9.9	30.	15.1
11	30.	23.0	30.	10.1	30.	46.7	30.	9.7	30.	15.7
12	30.	24.2	30.	10.2	30.	43.9	30.	9.8	30.	16.3
13	30.	25.3	30.	10.1	30.	41.4	30.	9.7	30.	16.7
14	30.	26.1	30.	9.9	30.	39.3	30.	9.5	30.	16.8
15	30.	26.9	30.	9.6	30.	37.2	30.	9.3	30.	16.9
16	30.	27.1	30.	9.4	30.	36.2	30.	9.1	30.	16.9
17	30.	26.8	30.	9.3	30.	36.7	30.	9.1	30.	16.8
18	30.	25.7	30.	9.6	30.	39.3	30.	9.3	30.	16.5
19	30.	23.2	30.	10.0	30.	45.6	30.	9.6	30.	15.7
20	30.	21.6	30.	10.0	30.	49.9	30.	9.5	30.	15.1
21	30.	20.8	30.	9.7	30.	51.8	30.	9.4	30.	14.6
22	30.	20.0	30.	9.7	30.	54.1	30.	9.4	30.	14.3
23	30.	19.3	30.	9.7	30.	56.2	30.	9.4	30.	14.0
24	30.	18.7	30.	9.7	30.	58.1	30.	9.4	30.	13.8
HOURLY MEAN		20.9		9.8		53.1		9.5		14.7
AVG DAILY MAX		27.8		12.5		73.0		11.3		17.7
AVG DAILY MIN		14.4		7.2		33.9		7.9		11.4
ABSOLUTE MAX		39.1		22.2		84.7		19.3		24.9
ABSOLUTE MIN		5.9		-0.3		19.0		4.5		3.9
TOTAL OBS		720		720		720		720		720

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JUL-SEP 2000

JUL-SEP HOUR AVERAGES FOR THE PERIOD 7/ 1/ 0 TO 9/30/ 0

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	92.	21.6	48.	13.2	48.	65.9	48.	12.0	48.	16.2
2	92.	21.2	48.	13.1	48.	67.3	48.	11.9	48.	16.0
3	92.	20.7	49.	13.0	49.	69.2	49.	11.9	49.	15.7
4	92.	20.3	51.	13.1	51.	70.9	51.	11.9	51.	15.6
5	92.	19.9	51.	13.0	51.	72.5	51.	11.9	51.	15.4
6	92.	19.5	51.	12.9	51.	73.8	51.	11.8	51.	15.1
7	92.	19.7	53.	13.1	53.	74.4	53.	11.9	53.	15.2
8	92.	20.7	53.	13.6	53.	72.5	53.	12.2	53.	15.9
9	92.	22.3	52.	13.6	52.	65.8	52.	12.1	52.	16.6
10	91.	24.0	51.	13.4	50.	58.8	50.	11.9	50.	17.1
11	91.	25.4	48.	13.1	47.	53.3	47.	11.7	47.	17.6
12	91.	26.6	48.	13.2	48.	50.2	48.	11.9	48.	18.2
13	90.	27.5	48.	13.2	48.	47.7	48.	11.8	48.	18.5
14	90.	28.2	47.	13.0	47.	45.2	47.	11.7	47.	18.7
15	89.	28.7	45.	12.5	45.	42.4	45.	11.3	45.	18.7
16	91.	28.9	46.	12.6	46.	41.7	46.	11.4	46.	18.9
17	92.	28.8	47.	12.9	47.	42.7	47.	11.6	47.	19.0
18	92.	28.0	47.	13.1	47.	45.7	47.	11.8	47.	18.7
19	92.	26.5	47.	13.6	47.	52.0	47.	12.3	47.	18.2
20	92.	24.9	47.	13.5	47.	56.2	47.	12.2	47.	17.6
21	92.	23.9	48.	13.4	48.	59.2	48.	12.1	48.	17.2
22	92.	23.1	48.	13.1	48.	60.8	48.	11.9	48.	16.7
23	92.	22.4	48.	13.1	48.	62.9	48.	11.9	48.	16.5
24	47.	20.7	48.	13.1	47.	63.7	47.	11.9	47.	16.3
HOURLY MEAN		23.9		13.2		59.3		11.9		17.0
AVG DAILY MAX		29.5		16.0		78.3		14.1		19.8
AVG DAILY MIN		18.9		11.3		44.2		10.5		14.6
ABSOLUTE MAX		39.9		23.6		93.5		20.9		26.8
ABSOLUTE MIN		5.9		-0.3		19.0		4.5		3.9
TOTAL OBS		2152		1169		1166		1166		1166

B20

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY OCT-DEC 2000

MONTHLY HOUR AVERAGES FOR THE PERIOD 10/ 1/ 0 TO 12/31/ 0

OCTOBER

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	29.	12.8	29.	6.6	29.	67.4	29.	8.1	29.	9.8
2	28.	12.4	28.	6.3	28.	67.6	28.	7.9	28.	9.5
3	29.	11.9	29.	6.2	29.	69.4	29.	7.8	29.	9.1
4	29.	11.7	29.	6.3	29.	70.7	29.	7.9	29.	9.1
5	29.	11.4	29.	6.3	29.	71.7	29.	7.8	29.	8.9
6	29.	11.2	29.	6.3	29.	72.7	29.	7.9	29.	8.8
7	29.	10.9	29.	6.2	29.	73.4	29.	7.9	29.	8.7
8	29.	11.5	29.	6.4	29.	72.1	29.	7.9	29.	9.0
9	29.	13.1	29.	7.0	29.	67.7	29.	8.2	29.	10.2
10	29.	14.8	29.	7.4	29.	63.1	29.	8.4	29.	11.1
11	29.	16.3	29.	7.5	29.	58.2	29.	8.5	29.	11.9
12	29.	17.6	29.	7.5	29.	54.2	29.	8.5	29.	12.5
13	29.	18.7	28.	7.2	28.	50.5	28.	8.4	28.	12.8
14	29.	19.5	28.	6.9	28.	47.4	28.	8.2	28.	13.0
15	28.	20.1	28.	7.0	28.	45.7	28.	8.2	28.	13.3
16	28.	20.2	28.	6.9	28.	45.1	28.	8.1	28.	13.3
17	29.	19.5	29.	6.8	29.	46.9	29.	8.1	29.	13.0
18	29.	18.3	29.	7.0	29.	50.5	29.	8.2	29.	12.6
19	29.	16.9	29.	7.2	29.	55.0	29.	8.3	29.	12.0
20	29.	15.9	29.	7.1	29.	58.1	29.	8.3	29.	11.5
21	29.	15.1	29.	7.1	29.	60.5	29.	8.3	29.	11.2
22	29.	14.3	29.	7.1	29.	63.5	29.	8.4	29.	10.8
23	29.	13.7	29.	7.0	29.	65.2	29.	8.3	29.	10.5
24	29.	13.2	29.	7.1	29.	67.3	29.	8.3	29.	10.2
HOURLY MEAN		15.0		6.9		61.1		8.2		10.9
AVG DAILY MAX		20.3		9.3		76.1		9.4		13.6
AVG DAILY MIN		10.3		4.5		45.2		6.9		7.9
ABSOLUTE MAX		31.1		17.3		85.0		14.5		19.8
ABSOLUTE MIN		-3.9		-9.2		19.0		2.4		-4.8
TOTAL OBS		693		691		691		691		691

B21

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY OCT-DEC 2000

MONTHLY HOUR AVERAGES FOR THE PERIOD 10/ 1/ 0 TO 12/31/ 0

NOVEMBER

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	30.	0.2	30.	-4.2	30.	72.7	30.	3.9	30.	-1.4
2	30.	0.0	30.	-4.2	30.	73.7	30.	3.9	30.	-1.6
3	30.	-0.3	30.	-4.4	30.	74.4	30.	3.9	30.	-1.8
4	30.	-0.6	30.	-4.4	30.	75.6	30.	3.9	30.	-2.0
5	30.	-1.0	30.	-4.6	30.	76.8	30.	3.8	30.	-2.3
6	30.	-1.2	30.	-4.8	30.	76.8	30.	3.8	30.	-2.4
7	30.	-1.3	30.	-4.9	30.	76.6	30.	3.8	30.	-2.5
8	30.	-1.2	30.	-4.9	30.	76.2	30.	3.8	30.	-2.5
9	30.	-0.6	30.	-4.7	30.	73.9	30.	3.8	30.	-2.1
10	30.	0.8	30.	-4.4	30.	69.1	30.	3.9	30.	-1.1
11	30.	2.3	30.	-4.2	30.	63.5	30.	3.9	30.	-0.1
12	30.	3.3	30.	-4.1	30.	59.9	30.	3.9	30.	0.6
13	30.	4.1	30.	-4.2	30.	57.1	30.	3.8	30.	1.0
14	30.	4.7	30.	-4.2	30.	54.9	30.	3.8	30.	1.3
15	30.	5.1	30.	-4.2	30.	53.6	30.	3.8	30.	1.6
16	30.	5.2	30.	-4.1	30.	53.4	30.	3.8	30.	1.7
17	30.	4.9	30.	-4.0	30.	54.6	30.	3.8	30.	1.5
18	30.	3.8	30.	-4.0	30.	58.0	30.	3.8	30.	0.9
19	30.	3.0	30.	-4.2	30.	60.2	30.	3.8	30.	0.3
20	30.	2.3	30.	-4.4	30.	62.2	30.	3.7	30.	-0.2
21	30.	1.6	30.	-4.3	30.	65.8	30.	3.7	30.	-0.6
22	30.	0.9	30.	-4.4	30.	68.5	30.	3.7	30.	-1.0
23	30.	0.5	30.	-4.5	30.	69.5	30.	3.7	30.	-1.3
24	30.	0.0	30.	-4.7	30.	71.3	30.	3.6	30.	-1.7
HOURLY MEAN		1.5		-4.4		66.6		3.8		-0.7
AVG DAILY MAX		6.1		-1.7		80.2		4.7		2.6
AVG DAILY MIN		-3.2		-7.2		51.4		3.0		-4.4
ABSOLUTE MAX		20.7		16.7		87.1		14.0		18.2
ABSOLUTE MIN		-10.9		-14.8		27.1		1.6		-11.6
TOTAL OBS		720		720		720		720		720

B22

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY OCT-DEC 2000

MONTHLY HOUR AVERAGES FOR THE PERIOD 10/ 1/ 0 TO 12/31/ 0

DECEMBER

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	31.	-8.5	31.	-12.9	31.	70.8	31.	2.1	31.	-9.6
2	31.	-8.7	31.	-13.0	31.	71.5	31.	2.0	31.	-9.8
3	31.	-9.0	31.	-13.5	31.	71.2	31.	2.0	31.	-10.1
4	31.	-9.2	31.	-13.4	31.	72.0	31.	2.0	31.	-10.2
5	31.	-9.3	31.	-13.4	31.	72.5	31.	2.0	31.	-10.3
6	31.	-9.6	31.	-13.5	31.	73.6	31.	1.9	31.	-10.6
7	31.	-10.0	31.	-13.8	31.	73.6	31.	1.9	31.	-10.9
8	31.	-10.2	31.	-14.1	31.	73.2	31.	1.9	31.	-11.1
9	31.	-10.0	31.	-14.0	31.	73.2	31.	1.9	31.	-11.0
10	31.	-9.2	31.	-13.6	31.	70.9	31.	1.9	31.	-10.3
11	31.	-8.3	31.	-13.3	31.	68.2	31.	2.0	31.	-9.6
12	31.	-7.5	31.	-13.0	31.	65.5	31.	2.0	31.	-8.9
13	31.	-6.8	31.	-12.8	31.	63.4	31.	2.1	31.	-8.4
14	31.	-6.1	31.	-12.5	31.	61.9	31.	2.1	31.	-7.9
15	31.	-5.7	31.	-12.3	31.	60.7	31.	2.1	31.	-7.5
16	31.	-5.5	31.	-12.4	31.	59.6	31.	2.1	31.	-7.5
17	31.	-5.9	31.	-12.5	31.	60.9	31.	2.1	31.	-7.7
18	31.	-6.6	31.	-12.8	31.	62.6	31.	2.1	31.	-8.3
19	31.	-7.3	31.	-13.0	31.	64.6	31.	2.1	31.	-8.8
20	31.	-7.7	31.	-13.2	31.	65.9	31.	2.0	31.	-9.1
21	31.	-8.2	31.	-13.3	31.	67.4	31.	2.0	31.	-9.5
22	31.	-8.4	31.	-13.5	31.	67.5	31.	2.0	31.	-9.7
23	31.	-8.6	31.	-13.4	31.	68.8	31.	2.0	31.	-9.8
24	31.	-8.9	31.	-13.5	31.	69.9	31.	2.0	31.	-10.0
HOURLY MEAN		-8.1		-13.2		67.9		2.0		-9.4
AVG DAILY MAX		-3.7		-9.3		78.4		2.7		-5.5
AVG DAILY MIN		-12.5		-16.8		57.2		1.5		-13.3
ABSOLUTE MAX		15.5		0.4		91.2		4.9		8.0
ABSOLUTE MIN		-21.7		-25.4		31.8		0.7		-22.0
TOTAL OBS		744		744		744		744		744

B23

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY OCT-DEC 2000

OCT-DEC HOUR AVERAGES FOR THE PERIOD 10/ 1/ 0 TO 12/31/ 0

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	90.	1.3	90.	-3.7	90.	70.3	90.	4.6	90.	-0.6
2	89.	0.9	89.	-4.0	89.	71.0	89.	4.5	89.	-1.0
3	90.	0.6	90.	-4.1	90.	71.7	90.	4.5	90.	-1.1
4	90.	0.4	90.	-4.1	90.	72.8	90.	4.5	90.	-1.3
5	90.	0.1	90.	-4.2	90.	73.7	90.	4.5	90.	-1.5
6	90.	-0.1	90.	-4.2	90.	74.4	90.	4.5	90.	-1.6
7	90.	-0.3	90.	-4.4	90.	74.6	90.	4.4	90.	-1.8
8	90.	-0.2	90.	-4.4	90.	73.8	90.	4.5	90.	-1.8
9	90.	0.6	90.	-4.1	90.	71.6	90.	4.6	90.	-1.2
10	90.	1.8	90.	-3.8	90.	67.8	90.	4.7	90.	-0.3
11	90.	3.2	90.	-3.5	90.	63.4	90.	4.7	90.	0.5
12	90.	4.2	90.	-3.4	90.	60.0	90.	4.7	90.	1.1
13	90.	5.1	89.	-3.6	89.	57.2	89.	4.6	89.	1.4
14	90.	5.7	89.	-3.6	89.	55.0	89.	4.6	89.	1.8
15	89.	6.1	89.	-3.5	89.	53.6	89.	4.6	89.	2.1
16	89.	6.2	89.	-3.5	89.	52.9	89.	4.6	89.	2.2
17	90.	5.9	90.	-3.5	90.	54.3	90.	4.6	90.	2.0
18	90.	4.9	90.	-3.5	90.	57.1	90.	4.7	90.	1.5
19	90.	3.9	90.	-3.6	90.	60.1	90.	4.7	90.	0.9
20	90.	3.2	90.	-3.7	90.	62.2	90.	4.6	90.	0.5
21	90.	2.6	90.	-3.7	90.	64.7	90.	4.6	90.	0.1
22	90.	2.0	90.	-3.8	90.	66.6	90.	4.6	90.	-0.2
23	90.	1.6	90.	-3.9	90.	67.9	90.	4.6	90.	-0.5
24	90.	1.2	90.	-3.9	90.	69.5	90.	4.6	90.	-0.7
HOURLY MEAN		2.5		-3.8		65.3		4.6		0.0
AVG DAILY MAX		7.5		-0.7		78.2		5.5		3.5
AVG DAILY MIN		-1.9		-6.6		51.3		3.8		-3.4
ABSOLUTE MAX		31.1		17.3		91.2		14.5		19.8
ABSOLUTE MIN		-21.7		-25.4		19.0		0.7		-22.0
TOTAL OBS		2157		2155		2155		2155		2155

B24

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JUL-DEC 2000

JUL-DEC HOUR AVERAGES FOR THE PERIOD 7/ 1/ 0 TO 12/31/ 0

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	182.	11.6	138.	2.2	138.	68.8	138.	7.2	138.	5.2
2	181.	11.2	137.	2.0	137.	69.7	137.	7.1	137.	5.0
3	182.	10.8	139.	1.9	139.	70.8	139.	7.1	139.	4.8
4	182.	10.4	141.	2.1	141.	72.1	141.	7.2	141.	4.8
5	182.	10.1	141.	2.1	141.	73.3	141.	7.2	141.	4.6
6	182.	9.8	141.	2.0	141.	74.2	141.	7.1	141.	4.4
7	182.	9.8	143.	2.1	143.	74.5	143.	7.2	143.	4.5
8	182.	10.4	143.	2.3	143.	73.4	143.	7.3	143.	4.8
9	182.	11.6	142.	2.4	142.	69.5	142.	7.3	142.	5.3
10	181.	13.0	141.	2.4	140.	64.6	140.	7.2	140.	5.9
11	181.	14.4	138.	2.3	137.	60.0	137.	7.1	137.	6.4
12	181.	15.5	138.	2.4	138.	56.6	138.	7.2	138.	7.1
13	180.	16.3	137.	2.3	137.	53.9	137.	7.2	137.	7.4
14	180.	17.0	136.	2.2	136.	51.6	136.	7.0	136.	7.6
15	178.	17.4	134.	1.9	134.	49.8	134.	6.9	134.	7.7
16	180.	17.7	135.	2.0	135.	49.1	135.	6.9	135.	7.9
17	182.	17.4	137.	2.2	137.	50.3	137.	7.0	137.	7.8
18	182.	16.6	137.	2.2	137.	53.2	137.	7.1	137.	7.4
19	182.	15.3	137.	2.3	137.	57.3	137.	7.3	137.	6.9
20	182.	14.2	137.	2.2	137.	60.1	137.	7.2	137.	6.4
21	182.	13.3	138.	2.2	138.	62.8	138.	7.2	138.	6.1
22	182.	12.7	138.	2.1	138.	64.6	138.	7.1	138.	5.7
23	182.	12.1	138.	2.0	138.	66.1	138.	7.1	138.	5.4
24	137.	7.9	138.	2.0	137.	67.5	137.	7.1	137.	5.1
HOURLY MEAN		13.2		2.2		63.2		7.1		6.0
AVG DAILY MAX		18.5		5.7		78.2		8.8		9.7
AVG DAILY MIN		8.5		0.2		48.6		6.3		3.5
ABSOLUTE MAX		39.9		23.6		93.5		20.9		26.8
ABSOLUTE MIN		-21.7		-25.4		19.0		0.7		-22.0
TOTAL OBS		4309		3324		3321		3321		3321

PROGRAM: WETTEMP
VERSION: 3P

NPPD-COOPER NUCLEAR STATION 10-M TEMPERATURE SUMMARY JAN-DEC 2000

JAN-DEC HOUR AVERAGES FOR THE PERIOD 1/ 1/ 0 TO 12/31/ 0

10.0 METERS LEVEL

HOUR	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	357.	10.3	299.	1.5	295.	66.1	295.	6.5	295.	4.9
2	355.	9.9	299.	1.4	293.	67.3	293.	6.5	293.	4.7
3	358.	9.4	304.	1.4	298.	68.3	298.	6.4	298.	4.5
4	358.	9.1	311.	1.5	305.	69.3	305.	6.5	305.	4.6
5	358.	8.7	313.	1.5	307.	70.3	307.	6.5	307.	4.4
6	358.	8.5	314.	1.5	308.	71.1	308.	6.5	308.	4.3
7	359.	8.5	314.	1.5	309.	71.3	309.	6.5	309.	4.3
8	360.	9.1	315.	1.8	311.	69.9	311.	6.7	311.	4.7
9	359.	10.3	312.	1.9	308.	66.2	308.	6.7	308.	5.3
10	359.	11.8	308.	2.0	304.	61.5	304.	6.6	304.	5.9
11	360.	13.2	302.	1.9	299.	57.2	299.	6.5	299.	6.4
12	361.	14.3	297.	1.7	296.	53.7	296.	6.4	296.	6.9
13	360.	15.2	295.	1.6	294.	50.9	294.	6.4	294.	7.2
14	360.	15.9	291.	1.4	290.	48.6	290.	6.2	290.	7.4
15	358.	16.4	288.	1.1	287.	47.1	287.	6.1	287.	7.5
16	360.	16.6	289.	1.1	288.	46.5	288.	6.1	288.	7.6
17	363.	16.5	291.	1.2	291.	47.2	291.	6.2	291.	7.6
18	363.	15.8	290.	1.2	290.	49.5	290.	6.3	290.	7.2
19	363.	14.7	291.	1.3	291.	52.7	291.	6.4	291.	6.8
20	364.	13.5	293.	1.4	293.	55.6	293.	6.4	293.	6.3
21	363.	12.5	295.	1.5	294.	58.8	294.	6.5	294.	6.0
22	361.	11.8	296.	1.5	293.	61.3	293.	6.5	293.	5.6
23	361.	11.2	297.	1.5	294.	63.1	294.	6.5	294.	5.4
24	292.	7.7	295.	1.3	290.	64.8	290.	6.4	290.	4.9
HOURLY MEAN		12.2		1.5		60.1		6.4		5.8
AVG DAILY MAX		17.5		5.2		75.2		8.1		9.6
AVG DAILY MIN		7.2		-0.4		45.1		5.7		3.4
ABSOLUTE MAX		39.9		23.6		93.5		20.9		26.8
ABSOLUTE MIN		-21.7		-25.4		19.0		0.7		-22.0
TOTAL OBS		8570		7199		7128		7128		7128

Wind Direction Frequencies

10-Meter Level

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JAN-MAR 2000

PROGRAM: WINPER

VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JANUARY

WIND DIRECTION																		
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	12.9	3.2	3.2	3.2	3.2	3.2	6.5	6.5	22.6	0.0	0.0	6.5	3.2	3.2	12.9	9.7	0.0	100.
2	6.5	3.2	3.2	6.5	3.2	0.0	12.9	6.5	16.1	6.5	0.0	3.2	0.0	6.5	12.9	12.9	0.0	100.
3	16.1	3.2	3.2	6.5	6.5	3.2	6.5	9.7	12.9	3.2	0.0	6.5	3.2	0.0	16.1	3.2	0.0	100.
4	6.5	3.2	0.0	9.7	6.5	6.5	6.5	6.5	19.4	6.5	0.0	3.2	0.0	3.2	16.1	6.5	0.0	100.
5	9.7	0.0	6.5	0.0	6.5	3.2	9.7	16.1	9.7	0.0	3.2	3.2	3.2	9.7	9.7	9.7	0.0	100.
6	9.7	9.7	0.0	3.2	3.2	6.5	3.2	16.1	9.7	12.9	0.0	6.5	0.0	6.5	6.5	6.5	0.0	100.
7	9.7	9.7	3.2	0.0	6.5	3.2	0.0	12.9	19.4	3.2	3.2	6.5	3.2	9.7	6.5	3.2	0.0	100.
8	9.7	0.0	6.5	3.2	6.5	6.5	0.0	16.1	12.9	6.5	0.0	6.5	0.0	6.5	16.1	3.2	0.0	100.
9	3.2	6.5	3.2	3.2	3.2	9.7	0.0	12.9	9.7	9.7	3.2	3.2	3.2	6.5	12.9	9.7	0.0	100.
10	9.7	3.2	3.2	0.0	9.7	6.5	3.2	9.7	9.7	9.7	3.2	3.2	3.2	9.7	6.5	9.7	0.0	100.
11	0.0	3.2	0.0	0.0	6.5	12.9	3.2	6.5	9.7	9.7	6.5	3.2	3.2	9.7	9.7	16.1	0.0	100.
12	6.5	12.9	0.0	0.0	0.0	9.7	6.5	6.5	16.1	6.5	3.2	6.5	3.2	9.7	6.5	6.5	0.0	100.
13	3.2	9.7	3.2	0.0	3.2	6.5	3.2	3.2	16.1	6.5	3.2	6.5	6.5	12.9	6.5	9.7	0.0	100.
14	6.5	3.2	3.2	0.0	3.2	3.2	6.5	6.5	3.2	19.4	3.2	3.2	3.2	6.5	12.9	16.1	0.0	100.
15	6.5	3.2	3.2	0.0	3.2	3.2	9.7	3.2	0.0	22.6	3.2	6.5	0.0	9.7	16.1	9.7	0.0	100.
16	0.0	6.5	3.2	3.2	3.2	6.5	9.7	0.0	6.5	12.9	6.5	6.5	6.5	3.2	12.9	12.9	0.0	100.
17	3.2	6.5	3.2	3.2	3.2	3.2	3.2	6.5	0.0	16.1	9.7	9.7	0.0	3.2	12.9	16.1	0.0	100.
18	6.5	6.5	0.0	3.2	3.2	0.0	6.5	6.5	3.2	9.7	12.9	12.9	0.0	3.2	6.5	19.4	0.0	100.
19	0.0	3.2	3.2	3.2	3.2	3.2	6.5	0.0	12.9	6.5	16.1	0.0	9.7	0.0	9.7	22.6	0.0	100.
20	6.5	0.0	3.2	9.7	3.2	0.0	6.5	3.2	16.1	12.9	3.2	3.2	6.5	3.2	9.7	12.9	0.0	100.
21	9.7	3.2	3.2	6.5	3.2	3.2	6.5	9.7	12.9	0.0	6.5	6.5	6.5	3.2	6.5	12.9	0.0	100.
22	6.5	6.5	3.2	6.5	3.2	0.0	3.2	6.5	22.6	0.0	3.2	6.5	3.2	3.2	6.5	19.4	0.0	100.
23	3.2	6.5	3.2	0.0	3.2	6.5	6.5	12.9	9.7	0.0	6.5	3.2	3.2	3.2	12.9	19.4	0.0	100.
24	9.7	6.5	3.2	0.0	3.2	3.2	6.5	22.6	9.7	3.2	0.0	3.2	3.2	0.0	16.1	9.7	0.0	100.
ALL	6.7	5.0	2.8	3.0	4.2	4.6	5.5	8.6	11.7	7.7	4.0	5.2	3.1	5.5	10.9	11.6	0.0	100.

NUMBER OF OBS = 744

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JAN-MAR 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

FEBRUARY

WIND DIRECTION																		
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	7.4	3.7	3.7	0.0	0.0	0.0	14.8	11.1	14.8	11.1	7.4	0.0	0.0	14.8	0.0	11.1	0.0	100.
2	11.1	3.7	0.0	0.0	0.0	0.0	14.8	11.1	18.5	3.7	3.7	7.4	0.0	7.4	7.4	11.1	0.0	100.
3	11.1	0.0	0.0	0.0	0.0	7.4	7.4	14.8	11.1	18.5	3.7	3.7	0.0	7.4	7.4	7.4	0.0	100.
4	7.4	3.7	0.0	0.0	0.0	0.0	14.8	18.5	22.2	3.7	0.0	0.0	3.7	7.4	3.7	11.1	3.7	100.
5	14.8	0.0	0.0	0.0	0.0	3.7	18.5	18.5	11.1	7.4	0.0	3.7	7.4	3.7	7.4	3.7	0.0	100.
6	7.4	0.0	0.0	0.0	0.0	3.7	18.5	14.8	14.8	7.4	3.7	7.4	0.0	3.7	3.7	14.8	0.0	100.
7	7.4	0.0	0.0	0.0	0.0	7.4	22.2	22.2	3.7	3.7	0.0	7.4	7.4	3.7	3.7	11.1	0.0	100.
8	7.4	0.0	0.0	0.0	0.0	3.7	14.8	22.2	14.8	3.7	3.7	7.4	0.0	7.4	3.7	11.1	0.0	100.
9	7.7	0.0	0.0	0.0	0.0	0.0	15.4	19.2	23.1	3.8	7.7	7.7	0.0	0.0	7.7	7.7	0.0	100.
10	11.5	0.0	0.0	0.0	0.0	0.0	3.8	23.1	15.4	11.5	3.8	7.7	0.0	3.8	3.8	15.4	0.0	100.
11	3.8	3.8	0.0	0.0	0.0	0.0	11.5	3.8	15.4	15.4	15.4	3.8	3.8	0.0	3.8	19.2	0.0	100.
12	3.8	3.8	0.0	0.0	0.0	3.8	7.7	7.7	11.5	23.1	7.7	3.8	3.8	0.0	7.7	15.4	0.0	100.
13	0.0	3.8	0.0	0.0	0.0	3.8	3.8	7.7	15.4	26.9	0.0	7.7	0.0	3.8	7.7	19.2	0.0	100.
14	3.8	3.8	0.0	0.0	0.0	7.7	0.0	3.8	19.2	23.1	0.0	11.5	0.0	3.8	7.7	15.4	0.0	100.
15	0.0	0.0	3.8	0.0	0.0	3.8	3.8	3.8	26.9	11.5	3.8	3.8	7.7	3.8	7.7	19.2	0.0	100.
16	0.0	0.0	3.8	0.0	0.0	3.8	3.8	3.8	23.1	15.4	0.0	3.8	7.7	7.7	3.8	23.1	0.0	100.
17	0.0	3.7	0.0	3.7	0.0	0.0	7.4	3.7	22.2	14.8	0.0	0.0	7.4	11.1	3.7	22.2	0.0	100.
18	3.7	3.7	3.7	3.7	0.0	3.7	7.4	11.1	11.1	7.4	3.7	3.7	0.0	7.4	11.1	18.5	0.0	100.
19	7.4	3.7	0.0	3.7	0.0	7.4	3.7	11.1	11.1	11.1	0.0	0.0	7.4	3.7	3.7	25.9	0.0	100.
20	7.4	3.7	3.7	0.0	0.0	3.7	3.7	11.1	14.8	11.1	0.0	3.7	7.4	0.0	7.4	22.2	0.0	100.
21	3.7	0.0	3.7	3.7	0.0	0.0	3.7	14.8	18.5	7.4	3.7	3.7	0.0	3.7	14.8	18.5	0.0	100.
22	14.8	0.0	3.7	7.4	0.0	0.0	3.7	18.5	11.1	7.4	3.7	3.7	3.7	7.4	11.1	3.7	0.0	100.
23	7.4	7.4	0.0	0.0	3.7	0.0	7.4	14.8	11.1	7.4	3.7	3.7	3.7	3.7	14.8	11.1	0.0	100.
24	7.4	7.4	3.7	0.0	0.0	3.7	3.7	22.2	7.4	14.8	7.4	0.0	3.7	11.1	3.7	3.7	0.0	100.
ALL	6.6	2.3	1.2	0.9	0.2	2.8	9.1	13.1	15.3	11.2	3.4	4.4	3.1	5.3	6.6	14.2	0.2	100.

NUMBER OF OBS = 640

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JAN-MAR 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

MARCH

WIND DIRECTION																		
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	22.6	3.2	6.5	3.2	0.0	6.5	12.9	16.1	12.9	3.2	0.0	0.0	0.0	3.2	9.7	0.0	0.0	100.
2	22.6	3.2	0.0	3.2	0.0	3.2	19.4	9.7	12.9	6.5	0.0	0.0	0.0	3.2	9.7	6.5	0.0	100.
3	25.8	3.2	3.2	0.0	3.2	12.9	9.7	9.7	3.2	6.5	0.0	3.2	0.0	3.2	6.5	9.7	0.0	100.
4	16.1	3.2	3.2	12.9	3.2	3.2	0.0	19.4	9.7	0.0	0.0	0.0	0.0	3.2	6.5	19.4	0.0	100.
5	25.8	3.2	3.2	3.2	0.0	6.5	6.5	22.6	3.2	0.0	0.0	0.0	3.2	3.2	16.1	3.2	0.0	100.
6	19.4	12.9	3.2	3.2	3.2	6.5	0.0	25.8	9.7	0.0	0.0	0.0	3.2	0.0	6.5	6.5	0.0	100.
7	16.1	3.2	6.5	6.5	0.0	3.2	9.7	12.9	19.4	0.0	0.0	0.0	3.2	0.0	12.9	6.5	0.0	100.
8	9.7	6.5	3.2	6.5	3.2	6.5	3.2	16.1	12.9	3.2	3.2	0.0	3.2	0.0	6.5	16.1	0.0	100.
9	9.7	6.5	0.0	6.5	6.5	9.7	0.0	12.9	16.1	0.0	3.2	3.2	3.2	3.2	3.2	16.1	0.0	100.
10	16.1	6.5	6.5	3.2	3.2	12.9	3.2	0.0	16.1	12.9	6.5	0.0	3.2	0.0	3.2	6.5	0.0	100.
11	12.9	3.2	6.5	0.0	9.7	9.7	3.2	3.2	19.4	6.5	3.2	0.0	0.0	6.5	0.0	16.1	0.0	100.
12	25.8	0.0	0.0	0.0	6.5	9.7	9.7	3.2	19.4	9.7	0.0	3.2	0.0	3.2	3.2	6.5	0.0	100.
13	25.8	0.0	3.2	6.5	6.5	6.5	3.2	6.5	9.7	9.7	3.2	3.2	3.2	3.2	0.0	9.7	0.0	100.
14	19.4	3.2	3.2	3.2	9.7	0.0	12.9	3.2	9.7	9.7	0.0	9.7	3.2	3.2	3.2	6.5	0.0	100.
15	16.1	0.0	3.2	3.2	9.7	3.2	12.9	0.0	9.7	9.7	0.0	6.5	0.0	6.5	6.5	12.9	0.0	100.
16	22.6	0.0	6.5	6.5	9.7	3.2	3.2	6.5	6.5	9.7	3.2	3.2	0.0	6.5	3.2	9.7	0.0	100.
17	22.6	6.5	3.2	9.7	3.2	0.0	6.5	6.5	6.5	6.5	3.2	6.5	0.0	3.2	6.5	9.7	0.0	100.
18	16.1	6.5	9.7	9.7	3.2	3.2	3.2	6.5	6.5	6.5	6.5	3.2	0.0	3.2	3.2	12.9	0.0	100.
19	25.8	3.2	6.5	6.5	3.2	3.2	3.2	9.7	3.2	6.5	3.2	3.2	6.5	0.0	12.9	3.2	0.0	100.
20	12.9	9.7	6.5	3.2	3.2	0.0	3.2	9.7	6.5	6.5	0.0	6.5	3.2	6.5	6.5	16.1	0.0	100.
21	29.0	0.0	3.2	3.2	3.2	3.2	6.5	12.9	9.7	3.2	0.0	0.0	6.5	0.0	6.5	12.9	0.0	100.
22	22.6	0.0	3.2	3.2	3.2	9.7	9.7	6.5	16.1	0.0	3.2	0.0	0.0	6.5	6.5	9.7	0.0	100.
23	22.6	6.5	3.2	6.5	3.2	0.0	12.9	0.0	19.4	0.0	0.0	3.2	3.2	6.5	3.2	9.7	0.0	100.
24	29.0	6.5	0.0	3.2	3.2	0.0	9.7	12.9	6.5	6.5	0.0	0.0	0.0	9.7	3.2	9.7	0.0	100.
ALL	20.3	4.0	3.9	4.7	4.2	5.1	6.9	9.7	11.0	5.1	1.6	2.3	1.9	3.5	6.0	9.8	0.0	100.

NUMBER OF OBS = 744

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JAN-MAR 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JAN-MAR

WIND DIRECTION																		
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	14.6	3.4	4.5	2.2	1.1	3.4	11.2	11.2	16.9	4.5	2.2	2.2	1.1	6.7	7.9	6.7	0.0	100.
2	13.5	3.4	1.1	3.4	1.1	1.1	15.7	9.0	15.7	5.6	1.1	3.4	0.0	5.6	10.1	10.1	0.0	100.
3	18.0	2.2	2.2	2.2	3.4	7.9	7.9	11.2	9.0	9.0	1.1	4.5	1.1	3.4	10.1	6.7	0.0	100.
4	10.1	3.4	1.1	7.9	3.4	3.4	6.7	14.6	16.9	3.4	0.0	1.1	1.1	4.5	9.0	12.4	1.1	100.
5	16.9	1.1	3.4	1.1	2.2	4.5	11.2	19.1	7.9	2.2	1.1	2.2	4.5	5.6	11.2	5.6	0.0	100.
6	12.4	7.9	1.1	2.2	2.2	5.6	6.7	19.1	11.2	6.7	1.1	4.5	1.1	3.4	5.6	9.0	0.0	100.
7	11.2	4.5	3.4	2.2	2.2	4.5	10.1	15.7	14.6	2.2	1.1	4.5	4.5	4.5	7.9	6.7	0.0	100.
8	9.0	2.2	3.4	3.4	3.4	5.6	5.6	18.0	13.5	4.5	2.2	4.5	1.1	4.5	9.0	10.1	0.0	100.
9	6.8	4.5	1.1	3.4	3.4	6.8	4.5	14.8	15.9	4.5	4.5	4.5	2.3	3.4	8.0	11.4	0.0	100.
10	12.5	3.4	3.4	1.1	4.5	6.8	3.4	10.2	13.6	11.4	4.5	3.4	2.3	4.5	4.5	10.2	0.0	100.
11	5.7	3.4	2.3	0.0	5.7	8.0	5.7	4.5	14.8	10.2	8.0	2.3	2.3	5.7	4.5	17.0	0.0	100.
12	12.5	5.7	0.0	0.0	2.3	8.0	8.0	5.7	15.9	12.5	3.4	4.5	2.3	4.5	5.7	9.1	0.0	100.
13	10.2	4.5	2.3	2.3	3.4	5.7	3.4	5.7	13.6	13.6	2.3	5.7	3.4	6.8	4.5	12.5	0.0	100.
14	10.2	3.4	2.3	1.1	4.5	3.4	6.8	4.5	10.2	17.0	1.1	8.0	2.3	4.5	8.0	12.5	0.0	100.
15	8.0	1.1	3.4	1.1	4.5	3.4	9.1	2.3	11.4	14.8	2.3	5.7	2.3	6.8	10.2	13.6	0.0	100.
16	8.0	2.3	4.5	3.4	4.5	4.5	5.7	3.4	11.4	12.5	3.4	4.5	4.5	5.7	6.8	14.8	0.0	100.
17	9.0	5.6	2.2	5.6	2.2	1.1	5.6	5.6	9.0	12.4	4.5	5.6	2.2	5.6	7.9	15.7	0.0	100.
18	9.0	5.6	4.5	5.6	2.2	2.2	5.6	7.9	6.7	7.9	7.9	6.7	0.0	4.5	6.7	16.9	0.0	100.
19	11.2	3.4	3.4	4.5	2.2	4.5	4.5	6.7	9.0	7.9	6.7	1.1	7.9	1.1	9.0	16.9	0.0	100.
20	9.0	4.5	4.5	4.5	2.2	1.1	4.5	7.9	12.4	10.1	1.1	4.5	5.6	3.4	7.9	16.9	0.0	100.
21	14.6	1.1	3.4	4.5	2.2	2.2	5.6	12.4	13.5	3.4	3.4	3.4	4.5	2.2	9.0	14.6	0.0	100.
22	14.6	2.2	3.4	5.6	2.2	3.4	5.6	10.1	16.9	2.2	3.4	3.4	2.2	5.6	7.9	11.2	0.0	100.
23	11.2	6.7	2.2	2.2	3.4	2.2	9.0	9.0	13.5	2.2	3.4	3.4	3.4	4.5	10.1	13.5	0.0	100.
24	15.7	6.7	2.2	1.1	2.2	2.2	6.7	19.1	7.9	7.9	2.2	1.1	2.2	6.7	7.9	7.9	0.0	100.
ALL	11.4	3.9	2.7	3.0	3.0	4.2	7.0	10.3	12.5	7.8	3.0	3.9	2.7	4.7	7.9	11.7	0.0	100.

NUMBER OF OBS = 2128

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION APR-JUN 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

APRIL

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	6.7	0.0	0.0	3.3	3.3	13.3	3.3	3.3	10.0	6.7	3.3	0.0	6.7	10.0	16.7	13.3	0.0	100.
2	10.3	0.0	0.0	0.0	3.4	13.8	3.4	3.4	10.3	3.4	0.0	3.4	3.4	10.3	13.8	20.7	0.0	100.
3	6.7	6.7	0.0	0.0	6.7	0.0	13.3	13.3	6.7	3.3	3.3	0.0	6.7	3.3	20.0	10.0	0.0	100.
4	10.0	3.3	3.3	0.0	10.0	3.3	3.3	16.7	10.0	6.7	0.0	0.0	6.7	3.3	13.3	10.0	0.0	100.
5	13.3	6.7	0.0	3.3	6.7	3.3	3.3	16.7	6.7	10.0	0.0	0.0	6.7	0.0	16.7	6.7	0.0	100.
6	6.7	3.3	6.7	0.0	6.7	0.0	6.7	13.3	16.7	0.0	0.0	3.3	6.7	3.3	13.3	13.3	0.0	100.
7	6.7	3.3	3.3	3.3	6.7	6.7	10.0	10.0	13.3	3.3	0.0	0.0	0.0	10.0	20.0	3.3	0.0	100.
8	3.3	3.3	0.0	10.0	3.3	0.0	16.7	6.7	13.3	6.7	0.0	6.7	6.7	3.3	13.3	6.7	0.0	100.
9	6.7	0.0	3.3	3.3	6.7	3.3	10.0	10.0	6.7	3.3	10.0	3.3	6.7	3.3	16.7	6.7	0.0	100.
10	3.3	0.0	0.0	6.7	10.0	3.3	6.7	10.0	6.7	3.3	3.3	3.3	16.7	0.0	10.0	16.7	0.0	100.
11	6.7	3.3	0.0	0.0	10.0	6.7	3.3	13.3	6.7	3.3	0.0	6.7	6.7	3.3	16.7	13.3	0.0	100.
12	3.3	6.7	6.7	3.3	6.7	6.7	10.0	6.7	13.3	0.0	0.0	10.0	6.7	0.0	10.0	10.0	0.0	100.
13	10.0	0.0	0.0	6.7	3.3	6.7	10.0	10.0	13.3	0.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0	100.
14	6.7	3.3	3.3	0.0	3.3	6.7	3.3	13.3	10.0	3.3	10.0	6.7	10.0	3.3	6.7	10.0	0.0	100.
15	10.0	3.3	0.0	3.3	0.0	3.3	13.3	6.7	13.3	6.7	3.3	3.3	13.3	0.0	10.0	10.0	0.0	100.
16	0.0	6.7	0.0	3.3	3.3	6.7	10.0	6.7	13.3	10.0	6.7	3.3	0.0	3.3	6.7	20.0	0.0	100.
17	3.3	0.0	3.3	0.0	0.0	13.3	6.7	10.0	16.7	3.3	13.3	3.3	0.0	3.3	6.7	16.7	0.0	100.
18	3.3	0.0	6.7	0.0	6.7	6.7	16.7	3.3	16.7	3.3	6.7	3.3	0.0	3.3	3.3	20.0	0.0	100.
19	6.7	0.0	3.3	6.7	3.3	6.7	10.0	16.7	13.3	3.3	3.3	3.3	0.0	0.0	3.3	20.0	0.0	100.
20	13.3	0.0	3.3	3.3	6.7	6.7	3.3	13.3	13.3	6.7	3.3	0.0	0.0	0.0	10.0	16.7	0.0	100.
21	3.3	3.3	3.3	6.7	3.3	10.0	3.3	6.7	16.7	13.3	0.0	0.0	3.3	0.0	13.3	13.3	0.0	100.
22	6.7	3.3	3.3	0.0	3.3	10.0	0.0	3.3	33.3	6.7	0.0	0.0	0.0	6.7	16.7	6.7	0.0	100.
23	6.7	6.7	3.3	0.0	3.3	6.7	0.0	10.0	23.3	3.3	3.3	0.0	3.3	3.3	16.7	10.0	0.0	100.
24	0.0	0.0	0.0	3.3	3.3	6.7	6.7	10.0	20.0	3.3	0.0	6.7	3.3	10.0	10.0	16.7	0.0	100.
ALL	6.4	2.6	2.2	2.8	5.0	6.3	7.2	9.7	13.5	4.7	2.9	3.2	5.1	3.5	12.2	12.5	0.0	100.

NUMBER OF OBS = 719

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION APR-JUN 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

MAY

WIND DIRECTION																		
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	3.2	6.5	0.0	0.0	0.0	6.5	0.0	22.6	12.9	9.7	6.5	3.2	0.0	6.5	9.7	9.7	3.2	100.
2	3.2	6.5	0.0	3.2	0.0	3.2	6.5	16.1	22.6	6.5	0.0	0.0	6.5	3.2	9.7	12.9	0.0	100.
3	9.7	3.2	0.0	0.0	3.2	9.7	6.5	12.9	16.1	3.2	3.2	3.2	0.0	6.5	9.7	12.9	0.0	100.
4	9.7	3.2	0.0	0.0	6.5	3.2	6.5	29.0	9.7	3.2	3.2	0.0	0.0	3.2	9.7	12.9	0.0	100.
5	9.7	6.5	0.0	0.0	3.2	3.2	12.9	25.8	6.5	9.7	3.2	0.0	3.2	6.5	3.2	6.5	0.0	100.
6	9.7	6.5	6.5	0.0	3.2	3.2	12.9	16.1	6.5	3.2	6.5	0.0	0.0	6.5	3.2	16.1	0.0	100.
7	12.9	6.5	0.0	0.0	3.2	12.9	9.7	3.2	22.6	6.5	0.0	0.0	0.0	9.7	3.2	9.7	0.0	100.
8	9.7	6.5	0.0	0.0	6.5	3.2	22.6	12.9	9.7	3.2	6.5	0.0	0.0	3.2	9.7	6.5	0.0	100.
9	9.7	3.2	0.0	3.2	3.2	6.5	6.5	19.4	9.7	9.7	3.2	3.2	3.2	6.5	3.2	9.7	0.0	100.
10	6.5	6.5	0.0	0.0	6.5	3.2	9.7	16.1	12.9	9.7	3.2	3.2	0.0	6.5	12.9	3.2	0.0	100.
11	6.5	3.2	3.2	0.0	0.0	6.5	9.7	12.9	16.1	12.9	0.0	0.0	6.5	3.2	12.9	6.5	0.0	100.
12	9.7	0.0	3.2	0.0	0.0	6.5	9.7	16.1	12.9	9.7	3.2	0.0	3.2	9.7	3.2	12.9	0.0	100.
13	6.5	6.5	0.0	0.0	0.0	3.2	6.5	22.6	12.9	6.5	3.2	0.0	0.0	6.5	16.1	9.7	0.0	100.
14	9.7	6.5	0.0	0.0	0.0	3.2	3.2	19.4	19.4	6.5	3.2	3.2	0.0	3.2	16.1	6.5	0.0	100.
15	3.2	3.2	6.5	3.2	0.0	3.2	9.7	12.9	19.4	6.5	3.2	0.0	3.2	3.2	12.9	9.7	0.0	100.
16	3.2	3.2	0.0	3.2	3.2	3.2	6.5	16.1	22.6	3.2	0.0	3.2	3.2	6.5	6.5	16.1	0.0	100.
17	0.0	6.5	0.0	0.0	3.2	6.5	3.2	16.1	25.8	6.5	0.0	3.2	3.2	6.5	6.5	12.9	0.0	100.
18	3.2	3.2	0.0	0.0	6.5	0.0	6.5	22.6	19.4	6.5	3.2	0.0	3.2	3.2	9.7	12.9	0.0	100.
19	3.2	3.2	3.2	0.0	3.2	0.0	6.5	19.4	29.0	0.0	3.2	0.0	3.2	9.7	6.5	9.7	0.0	100.
20	3.2	0.0	0.0	0.0	3.2	3.2	3.2	29.0	22.6	3.2	3.2	0.0	0.0	3.2	16.1	9.7	0.0	100.
21	3.2	0.0	0.0	0.0	3.2	0.0	9.7	25.8	19.4	3.2	0.0	3.2	0.0	6.5	16.1	9.7	0.0	100.
22	12.9	3.2	3.2	3.2	3.2	0.0	0.0	25.8	25.8	3.2	0.0	0.0	0.0	12.9	0.0	6.5	0.0	100.
23	16.1	0.0	0.0	0.0	6.5	0.0	6.5	22.6	16.1	6.5	6.5	0.0	6.5	0.0	3.2	9.7	0.0	100.
24	3.3	6.7	0.0	0.0	3.3	3.3	3.3	23.3	23.3	0.0	6.7	0.0	3.3	3.3	0.0	20.0	0.0	100.
ALL	7.0	4.2	1.1	0.7	3.0	3.9	7.4	19.1	17.2	5.8	3.0	1.1	2.0	5.7	8.3	10.5	0.1	100.

NUMBER OF OBS = 743

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION APR-JUN 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JUNE

WIND DIRECTION

HR.	OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1		6.7	0.0	0.0	0.0	0.0	3.3	6.7	10.0	33.3	10.0	0.0	3.3	0.0	0.0	6.7	20.0	0.0	100.
2		6.7	3.3	3.3	3.3	0.0	0.0	0.0	13.3	26.7	6.7	6.7	0.0	0.0	0.0	10.0	20.0	0.0	100.
3		0.0	3.3	3.3	6.7	0.0	0.0	0.0	20.0	26.7	6.7	10.0	0.0	3.3	6.7	6.7	6.7	0.0	100.
4		3.3	3.3	3.3	0.0	3.3	0.0	0.0	13.3	26.7	13.3	0.0	3.3	0.0	3.3	13.3	10.0	3.3	100.
5		0.0	0.0	3.3	3.3	0.0	0.0	3.3	23.3	20.0	3.3	10.0	0.0	6.7	3.3	13.3	10.0	0.0	100.
6		0.0	3.3	0.0	0.0	0.0	10.0	0.0	16.7	6.7	20.0	3.3	10.0	3.3	6.7	6.7	13.3	0.0	100.
7		6.7	0.0	0.0	6.7	3.3	0.0	10.0	6.7	26.7	10.0	0.0	3.3	6.7	3.3	3.3	13.3	0.0	100.
8		3.3	3.3	3.3	0.0	3.3	0.0	3.3	3.3	33.3	13.3	6.7	6.7	6.7	3.3	0.0	10.0	0.0	100.
9		6.7	3.3	0.0	3.3	3.3	3.3	3.3	0.0	30.0	13.3	3.3	0.0	10.0	6.7	3.3	10.0	0.0	100.
10		3.3	0.0	6.7	3.3	3.3	0.0	0.0	13.3	23.3	10.0	10.0	3.3	6.7	3.3	6.7	6.7	0.0	100.
11		3.3	3.3	3.3	0.0	0.0	6.7	3.3	16.7	16.7	6.7	0.0	10.0	10.0	3.3	3.3	13.3	0.0	100.
12		6.7	0.0	3.3	3.3	3.3	0.0	3.3	23.3	13.3	10.0	6.7	3.3	3.3	6.7	3.3	10.0	0.0	100.
13		10.0	0.0	0.0	3.3	6.7	3.3	3.3	16.7	16.7	10.0	6.7	0.0	3.3	6.7	6.7	6.7	0.0	100.
14		6.7	3.3	3.3	0.0	3.3	6.7	0.0	20.0	20.0	10.0	0.0	3.3	3.3	6.7	0.0	13.3	0.0	100.
15		0.0	3.3	6.7	0.0	3.3	0.0	10.0	20.0	16.7	10.0	0.0	3.3	0.0	6.7	0.0	20.0	0.0	100.
16		3.3	10.0	0.0	0.0	3.3	3.3	10.0	13.3	20.0	10.0	0.0	3.3	0.0	3.3	6.7	13.3	0.0	100.
17		6.7	3.3	6.7	0.0	0.0	3.3	6.7	16.7	20.0	6.7	0.0	6.7	0.0	0.0	10.0	13.3	0.0	100.
18		16.7	3.3	3.3	0.0	0.0	3.3	3.3	16.7	23.3	3.3	0.0	6.7	0.0	3.3	6.7	10.0	0.0	100.
19		0.0	0.0	10.0	10.0	0.0	0.0	6.7	3.3	30.0	6.7	6.7	0.0	0.0	3.3	3.3	20.0	0.0	100.
20		6.7	3.3	0.0	3.3	3.3	0.0	3.3	20.0	23.3	10.0	0.0	0.0	3.3	6.7	10.0	6.7	0.0	100.
21		6.7	0.0	6.7	0.0	6.7	0.0	6.7	13.3	20.0	6.7	3.3	0.0	3.3	3.3	3.3	20.0	0.0	100.
22		6.7	0.0	0.0	3.3	3.3	3.3	3.3	20.0	23.3	3.3	3.3	3.3	3.3	3.3	3.3	16.7	0.0	100.
23		3.3	0.0	0.0	0.0	0.0	3.3	3.3	26.7	23.3	6.7	3.3	6.7	0.0	6.7	0.0	16.7	0.0	100.
24		0.0	0.0	0.0	0.0	3.3	3.3	0.0	20.0	30.0	6.7	3.3	0.0	6.7	3.3	6.7	16.7	0.0	100.
ALL		4.7	2.1	2.8	2.1	2.2	2.2	3.7	15.3	22.9	8.9	3.5	3.2	3.3	4.2	5.6	13.2	0.1	100.

NUMBER OF OBS = 720

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION APR-JUN 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

APR-JUN

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	5.5	2.2	0.0	1.1	1.1	7.7	3.3	12.1	18.7	8.8	3.3	2.2	2.2	5.5	11.0	14.3	1.1	100.
2	6.7	3.3	1.1	2.2	1.1	5.6	3.3	11.1	20.0	5.6	2.2	1.1	3.3	4.4	11.1	17.8	0.0	100.
3	5.5	4.4	1.1	2.2	3.3	3.3	6.6	15.4	16.5	4.4	5.5	1.1	3.3	5.5	12.1	9.9	0.0	100.
4	7.7	3.3	2.2	0.0	6.6	2.2	3.3	19.8	15.4	7.7	1.1	1.1	2.2	3.3	12.1	11.0	1.1	100.
5	7.7	4.4	1.1	2.2	3.3	2.2	6.6	22.0	11.0	7.7	4.4	0.0	5.5	3.3	11.0	7.7	0.0	100.
6	5.5	4.4	4.4	0.0	3.3	4.4	6.6	15.4	9.9	7.7	3.3	4.4	3.3	5.5	7.7	14.3	0.0	100.
7	8.8	3.3	1.1	3.3	4.4	6.6	9.9	6.6	20.9	6.6	0.0	1.1	2.2	7.7	8.8	8.8	0.0	100.
8	5.5	4.4	1.1	3.3	4.4	1.1	14.3	7.7	18.7	7.7	4.4	4.4	4.4	3.3	7.7	7.7	0.0	100.
9	7.7	2.2	1.1	3.3	4.4	4.4	6.6	9.9	15.4	8.8	5.5	2.2	6.6	5.5	7.7	8.8	0.0	100.
10	4.4	2.2	2.2	3.3	6.6	2.2	5.5	13.2	14.3	7.7	5.5	3.3	7.7	3.3	9.9	8.8	0.0	100.
11	5.5	3.3	2.2	0.0	3.3	6.6	5.5	14.3	13.2	7.7	0.0	5.5	7.7	3.3	11.0	11.0	0.0	100.
12	6.6	2.2	4.4	2.2	3.3	4.4	7.7	15.4	13.2	6.6	3.3	4.4	4.4	5.5	5.5	11.0	0.0	100.
13	8.8	2.2	0.0	3.3	3.3	4.4	6.6	16.5	14.3	5.5	3.3	3.3	4.4	4.4	11.0	8.8	0.0	100.
14	7.7	4.4	2.2	0.0	2.2	5.5	2.2	17.6	16.5	6.6	4.4	4.4	4.4	4.4	7.7	9.9	0.0	100.
15	4.4	3.3	4.4	2.2	1.1	2.2	11.0	13.2	16.5	7.7	2.2	2.2	5.5	3.3	7.7	13.2	0.0	100.
16	2.2	6.6	0.0	2.2	3.3	4.4	8.8	12.1	18.7	7.7	2.2	3.3	1.1	4.4	6.6	16.5	0.0	100.
17	3.3	3.3	3.3	0.0	1.1	7.7	5.5	14.3	20.9	5.5	4.4	4.4	1.1	3.3	7.7	14.3	0.0	100.
18	7.7	2.2	3.3	0.0	4.4	3.3	8.8	14.3	19.8	4.4	3.3	3.3	1.1	3.3	6.6	14.3	0.0	100.
19	3.3	1.1	5.5	5.5	2.2	2.2	7.7	13.2	24.2	3.3	4.4	1.1	1.1	4.4	4.4	16.5	0.0	100.
20	7.7	1.1	1.1	2.2	4.4	3.3	3.3	20.9	19.8	6.6	2.2	0.0	1.1	3.3	12.1	11.0	0.0	100.
21	4.4	1.1	3.3	2.2	4.4	3.3	6.6	15.4	18.7	7.7	1.1	1.1	2.2	3.3	11.0	14.3	0.0	100.
22	8.8	2.2	2.2	2.2	3.3	4.4	1.1	16.5	27.5	4.4	1.1	1.1	1.1	7.7	6.6	9.9	0.0	100.
23	8.8	2.2	1.1	0.0	3.3	3.3	3.3	19.8	20.9	5.5	4.4	2.2	3.3	3.3	6.6	12.1	0.0	100.
24	1.1	2.2	0.0	1.1	3.3	4.4	3.3	17.8	24.4	3.3	3.3	2.2	4.4	5.6	5.6	17.8	0.0	100.
ALL	6.0	3.0	2.0	1.8	3.4	4.1	6.1	14.8	17.9	6.5	3.1	2.5	3.5	4.4	8.7	12.1	0.1	100.

NUMBER OF OBS = 2182

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JAN-JUN 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JAN-JUN

HR. OF DAY	WIND DIRECTION																	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	
1	10.0	2.8	2.2	1.7	1.1	5.6	7.2	11.7	17.8	6.7	2.8	2.2	1.7	6.1	9.4	10.6	0.6	100.
2	10.1	3.4	1.1	2.8	1.1	3.4	9.5	10.1	17.9	5.6	1.7	2.2	1.7	5.0	10.6	14.0	0.0	100.
3	11.7	3.3	1.7	2.2	3.3	5.6	7.2	13.3	12.8	6.7	3.3	2.8	2.2	4.4	11.1	8.3	0.0	100.
4	8.9	3.3	1.7	3.9	5.0	2.8	5.0	17.2	16.1	5.6	0.6	1.1	1.7	3.9	10.6	11.7	1.1	100.
5	12.2	2.8	2.2	1.7	2.8	3.3	8.9	20.6	9.4	5.0	2.8	1.1	5.0	4.4	11.1	6.7	0.0	100.
6	8.9	6.1	2.8	1.1	2.8	5.0	6.7	17.2	10.6	7.2	2.2	4.4	2.2	4.4	6.7	11.7	0.0	100.
7	10.0	3.9	2.2	2.8	3.3	5.6	10.0	11.1	17.8	4.4	0.6	2.8	3.3	6.1	8.3	7.8	0.0	100.
8	7.2	3.3	2.2	3.3	3.9	3.3	10.0	12.8	16.1	6.1	3.3	4.4	2.8	3.9	8.3	8.9	0.0	100.
9	7.3	3.4	1.1	3.4	3.9	5.6	5.6	12.3	15.6	6.7	5.0	3.4	4.5	4.5	7.8	10.1	0.0	100.
10	8.4	2.8	2.8	2.2	5.6	4.5	4.5	11.7	14.0	9.5	5.0	3.4	5.0	3.9	7.3	9.5	0.0	100.
11	5.6	3.4	2.2	0.0	4.5	7.3	5.6	9.5	14.0	8.9	3.9	3.9	5.0	4.5	7.8	14.0	0.0	100.
12	9.5	3.9	2.2	1.1	2.8	6.1	7.8	10.6	14.5	9.5	3.4	4.5	3.4	5.0	5.6	10.1	0.0	100.
13	9.5	3.4	1.1	2.8	3.4	5.0	5.0	11.2	14.0	9.5	2.8	4.5	3.9	5.6	7.8	10.6	0.0	100.
14	8.9	3.9	2.2	0.6	3.4	4.5	4.5	11.2	13.4	11.7	2.8	6.1	3.4	4.5	7.8	11.2	0.0	100.
15	6.1	2.2	3.9	1.7	2.8	2.8	10.1	7.8	14.0	11.2	2.2	3.9	3.9	5.0	8.9	13.4	0.0	100.
16	5.0	4.5	2.2	2.8	3.9	4.5	7.3	7.8	15.1	10.1	2.8	3.9	2.8	5.0	6.7	15.6	0.0	100.
17	6.1	4.4	2.8	2.8	1.7	4.4	5.6	10.0	15.0	8.9	4.4	5.0	1.7	4.4	7.8	15.0	0.0	100.
18	8.3	3.9	3.9	2.8	3.3	2.8	7.2	11.1	13.3	6.1	5.6	5.0	0.6	3.9	6.7	15.6	0.0	100.
19	7.2	2.2	4.4	5.0	2.2	3.3	6.1	10.0	16.7	5.6	5.6	1.1	4.4	2.8	6.7	16.7	0.0	100.
20	8.3	2.8	2.8	3.3	3.3	2.2	3.9	14.4	16.1	8.3	1.7	2.2	3.3	3.3	10.0	13.9	0.0	100.
21	9.4	1.1	3.3	3.3	3.3	2.8	6.1	13.9	16.1	5.6	2.2	2.2	3.3	2.8	10.0	14.4	0.0	100.
22	11.7	2.2	2.8	3.9	2.8	3.9	3.3	13.3	22.2	3.3	2.2	2.2	1.7	6.7	7.2	10.6	0.0	100.
23	10.0	4.4	1.7	1.1	3.3	2.8	6.1	14.4	17.2	3.9	3.9	2.8	3.3	3.9	8.3	12.8	0.0	100.
24	8.4	4.5	1.1	1.1	2.8	3.4	5.0	18.4	16.2	5.6	2.8	1.7	3.4	6.1	6.7	12.8	0.0	100.
ALL	8.7	3.4	2.4	2.4	3.2	4.2	6.6	12.6	15.2	7.1	3.1	3.2	3.1	4.6	8.3	11.9	0.1	100.

NUMBER OF OBS = 4310

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JUL-SEP 2000

PROGRAM: WINPER

VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JULY

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	6.5	3.2	6.5	3.2	0.0	0.0	6.5	6.5	38.7	3.2	6.5	6.5	0.0	0.0	0.0	12.9	0.0	100.
2	6.5	9.7	3.2	3.2	0.0	0.0	16.1	9.7	29.0	0.0	6.5	0.0	0.0	0.0	3.2	12.9	0.0	100.
3	12.9	9.7	3.2	3.2	0.0	3.2	9.7	6.5	19.4	3.2	3.2	3.2	0.0	3.2	3.2	16.1	0.0	100.
4	3.2	16.1	3.2	6.5	3.2	0.0	9.7	6.5	19.4	9.7	0.0	0.0	0.0	3.2	0.0	19.4	0.0	100.
5	6.5	6.5	3.2	3.2	3.2	6.5	12.9	12.9	16.1	6.5	0.0	0.0	0.0	0.0	9.7	9.7	3.2	100.
6	16.1	3.2	3.2	0.0	6.5	0.0	12.9	19.4	22.6	0.0	3.2	0.0	0.0	0.0	0.0	12.9	0.0	100.
7	9.7	12.9	0.0	3.2	6.5	3.2	6.5	12.9	22.6	0.0	0.0	0.0	0.0	9.7	0.0	12.9	0.0	100.
8	12.9	9.7	3.2	6.5	3.2	9.7	9.7	6.5	16.1	9.7	0.0	0.0	0.0	0.0	0.0	12.9	0.0	100.
9	9.7	6.5	6.5	6.5	3.2	6.5	0.0	19.4	16.1	16.1	0.0	0.0	0.0	0.0	0.0	9.7	0.0	100.
10	6.5	9.7	6.5	3.2	6.5	6.5	6.5	6.5	19.4	16.1	3.2	0.0	0.0	3.2	0.0	6.5	0.0	100.
11	16.1	6.5	6.5	6.5	6.5	0.0	12.9	3.2	19.4	12.9	0.0	3.2	0.0	3.2	0.0	3.2	0.0	100.
12	12.9	6.5	0.0	9.7	6.5	3.2	6.5	16.1	12.9	12.9	0.0	3.2	0.0	0.0	0.0	9.7	0.0	100.
13	12.9	6.5	9.7	0.0	6.5	6.5	3.2	12.9	19.4	9.7	3.2	0.0	0.0	0.0	3.2	6.5	0.0	100.
14	9.7	9.7	3.2	6.5	0.0	6.5	3.2	16.1	12.9	12.9	6.5	0.0	0.0	0.0	0.0	12.9	0.0	100.
15	12.9	9.7	0.0	3.2	3.2	3.2	16.1	6.5	19.4	6.5	0.0	6.5	0.0	3.2	0.0	9.7	0.0	100.
16	12.9	16.1	0.0	3.2	9.7	0.0	6.5	19.4	12.9	6.5	6.5	0.0	0.0	0.0	0.0	6.5	0.0	100.
17	16.1	19.4	0.0	0.0	6.5	3.2	16.1	16.1	9.7	3.2	3.2	0.0	0.0	0.0	3.2	3.2	0.0	100.
18	16.1	9.7	6.5	0.0	3.2	3.2	22.6	19.4	0.0	6.5	0.0	0.0	0.0	0.0	0.0	12.9	0.0	100.
19	9.7	16.1	6.5	0.0	6.5	9.7	22.6	9.7	3.2	3.2	0.0	3.2	0.0	0.0	0.0	9.7	0.0	100.
20	3.2	9.7	3.2	6.5	9.7	3.2	19.4	9.7	3.2	3.2	3.2	0.0	3.2	0.0	9.7	12.9	0.0	100.
21	9.7	0.0	6.5	0.0	6.5	6.5	12.9	22.6	6.5	0.0	0.0	3.2	0.0	0.0	3.2	22.6	0.0	100.
22	12.9	6.5	3.2	0.0	0.0	12.9	3.2	22.6	9.7	9.7	0.0	0.0	3.2	0.0	3.2	12.9	0.0	100.
23	0.0	6.5	3.2	3.2	0.0	6.5	9.7	12.9	16.1	6.5	6.5	0.0	0.0	3.2	3.2	22.6	0.0	100.
24	3.2	6.5	0.0	0.0	6.5	3.2	9.7	9.7	22.6	12.9	0.0	3.2	3.2	0.0	0.0	19.4	0.0	100.
ALL	9.9	9.0	3.6	3.2	4.3	4.3	10.6	12.6	16.1	7.1	2.2	1.3	0.4	1.2	1.7	12.1	0.1	100.

NUMBER OF OBS = 744

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JUL-SEP 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

AUGUST

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	12.9	9.7	0.0	3.2	3.2	9.7	19.4	16.1	9.7	3.2	6.5	0.0	0.0	0.0	3.2	3.2	0.0	100.
2	6.5	6.5	0.0	0.0	12.9	0.0	16.1	22.6	12.9	6.5	0.0	3.2	0.0	0.0	0.0	12.9	0.0	100.
3	6.5	3.2	3.2	3.2	6.5	6.5	16.1	22.6	9.7	3.2	6.5	0.0	0.0	0.0	0.0	12.9	0.0	100.
4	9.7	9.7	6.5	3.2	3.2	12.9	16.1	12.9	3.2	3.2	0.0	3.2	0.0	3.2	0.0	9.7	3.2	100.
5	9.7	3.2	9.7	3.2	6.5	3.2	19.4	12.9	6.5	3.2	6.5	0.0	0.0	0.0	3.2	12.9	0.0	100.
6	3.2	3.2	3.2	3.2	6.5	3.2	16.1	22.6	9.7	3.2	6.5	0.0	3.2	3.2	6.5	6.5	0.0	100.
7	12.9	3.2	3.2	3.2	3.2	12.9	12.9	6.5	16.1	0.0	9.7	3.2	0.0	0.0	6.5	6.5	0.0	100.
8	9.7	3.2	0.0	0.0	0.0	19.4	19.4	19.4	9.7	0.0	6.5	3.2	0.0	0.0	0.0	9.7	0.0	100.
9	6.5	6.5	3.2	3.2	3.2	9.7	22.6	16.1	9.7	3.2	6.5	0.0	0.0	0.0	3.2	6.5	0.0	100.
10	0.0	9.7	6.5	6.5	0.0	19.4	9.7	22.6	6.5	9.7	0.0	0.0	0.0	3.2	0.0	6.5	0.0	100.
11	3.2	3.2	6.5	6.5	6.5	16.1	16.1	9.7	12.9	3.2	6.5	0.0	0.0	0.0	0.0	9.7	0.0	100.
12	6.7	3.3	0.0	6.7	13.3	13.3	16.7	10.0	3.3	6.7	6.7	0.0	0.0	3.3	3.3	6.7	0.0	100.
13	6.7	10.0	3.3	3.3	16.7	10.0	13.3	10.0	0.0	6.7	10.0	0.0	0.0	0.0	0.0	10.0	0.0	100.
14	13.3	3.3	6.7	6.7	10.0	13.3	13.3	10.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	3.3	0.0	100.
15	10.0	3.3	13.3	0.0	3.3	26.7	10.0	10.0	6.7	10.0	3.3	0.0	0.0	0.0	0.0	3.3	0.0	100.
16	6.5	6.5	9.7	6.5	3.2	22.6	16.1	6.5	3.2	16.1	0.0	0.0	0.0	0.0	0.0	3.2	0.0	100.
17	12.9	6.5	6.5	6.5	6.5	22.6	16.1	6.5	3.2	9.7	0.0	0.0	0.0	0.0	0.0	3.2	0.0	100.
18	3.2	3.2	9.7	12.9	9.7	12.9	9.7	12.9	6.5	6.5	3.2	0.0	0.0	0.0	0.0	9.7	0.0	100.
19	3.2	6.5	3.2	9.7	19.4	9.7	9.7	6.5	9.7	3.2	3.2	0.0	0.0	0.0	6.5	9.7	0.0	100.
20	9.7	6.5	3.2	12.9	12.9	6.5	9.7	6.5	9.7	6.5	0.0	0.0	0.0	0.0	9.7	6.5	0.0	100.
21	9.7	9.7	3.2	12.9	12.9	6.5	12.9	3.2	16.1	3.2	3.2	0.0	0.0	0.0	0.0	6.5	0.0	100.
22	19.4	9.7	3.2	6.5	12.9	3.2	12.9	3.2	12.9	3.2	0.0	3.2	3.2	0.0	0.0	6.5	0.0	100.
23	9.7	6.5	6.5	6.5	6.5	12.9	9.7	3.2	12.9	0.0	6.5	0.0	0.0	3.2	6.5	9.7	0.0	100.
24	6.5	0.0	6.5	9.7	6.5	9.7	12.9	12.9	9.7	0.0	0.0	3.2	3.2	0.0	6.5	12.9	0.0	100.
ALL	8.2	5.7	4.9	5.7	7.7	11.8	14.5	11.9	8.4	5.0	4.2	0.8	0.4	0.7	2.3	7.8	0.1	100.

NUMBER OF OBS = 740

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JUL-SEP 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

SEPTEMBR

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	13.0	8.7	0.0	0.0	4.3	4.3	8.7	21.7	17.4	4.3	0.0	0.0	0.0	0.0	8.7	8.7	0.0	100.
2	8.7	0.0	0.0	4.3	4.3	4.3	8.7	13.0	17.4	4.3	4.3	0.0	0.0	0.0	8.7	21.7	0.0	100.
3	17.4	0.0	0.0	0.0	4.3	8.7	4.3	13.0	17.4	8.7	4.3	0.0	0.0	4.3	4.3	8.7	4.3	100.
4	13.0	4.3	4.3	0.0	0.0	8.7	4.3	13.0	13.0	13.0	0.0	0.0	4.3	4.3	0.0	17.4	0.0	100.
5	0.0	0.0	4.3	0.0	8.7	4.3	8.7	21.7	8.7	4.3	4.3	8.7	0.0	0.0	4.3	21.7	0.0	100.
6	4.3	0.0	4.3	4.3	4.3	0.0	4.3	21.7	4.3	17.4	4.3	0.0	0.0	4.3	8.7	17.4	0.0	100.
7	8.7	0.0	0.0	0.0	0.0	4.3	17.4	17.4	17.4	13.0	0.0	4.3	0.0	0.0	4.3	8.7	4.3	100.
8	8.7	4.3	0.0	0.0	4.3	0.0	13.0	21.7	30.4	0.0	0.0	4.3	4.3	0.0	4.3	4.3	0.0	100.
9	8.7	0.0	0.0	4.3	0.0	8.7	13.0	8.7	26.1	8.7	4.3	4.3	0.0	0.0	0.0	13.0	0.0	100.
10	4.3	8.7	4.3	4.3	4.3	0.0	13.0	8.7	13.0	17.4	4.3	4.3	0.0	4.3	0.0	8.7	0.0	100.
11	4.3	0.0	4.3	4.3	0.0	4.3	13.0	8.7	13.0	17.4	0.0	0.0	0.0	4.3	4.3	21.7	0.0	100.
12	8.7	4.3	0.0	4.3	4.3	4.3	17.4	4.3	13.0	8.7	0.0	8.7	0.0	0.0	4.3	17.4	0.0	100.
13	13.0	0.0	0.0	0.0	8.7	4.3	13.0	13.0	13.0	0.0	4.3	4.3	0.0	4.3	4.3	17.4	0.0	100.
14	16.7	0.0	0.0	0.0	4.2	4.2	16.7	4.2	16.7	4.2	4.2	4.2	0.0	8.3	4.2	12.5	0.0	100.
15	8.7	4.3	4.3	0.0	4.3	4.3	8.7	13.0	26.1	4.3	0.0	0.0	0.0	4.3	4.3	13.0	0.0	100.
16	4.3	4.3	4.3	0.0	4.3	13.0	8.7	8.7	21.7	4.3	0.0	0.0	0.0	0.0	8.7	17.4	0.0	100.
17	4.3	0.0	4.3	4.3	4.3	0.0	17.4	4.3	26.1	4.3	0.0	0.0	0.0	0.0	4.3	26.1	0.0	100.
18	4.3	4.3	0.0	4.3	4.3	4.3	13.0	17.4	13.0	4.3	0.0	0.0	0.0	0.0	4.3	26.1	0.0	100.
19	0.0	0.0	4.3	0.0	4.3	0.0	21.7	21.7	8.7	0.0	0.0	0.0	0.0	0.0	8.7	30.4	0.0	100.
20	8.7	0.0	4.3	4.3	0.0	4.3	13.0	26.1	8.7	0.0	0.0	0.0	0.0	0.0	4.3	26.1	0.0	100.
21	17.4	0.0	4.3	4.3	4.3	0.0	8.7	30.4	4.3	4.3	0.0	0.0	0.0	0.0	4.3	13.0	4.3	100.
22	13.0	0.0	0.0	0.0	13.0	0.0	8.7	17.4	26.1	0.0	0.0	0.0	0.0	0.0	0.0	21.7	0.0	100.
23	8.7	0.0	4.3	0.0	8.7	4.3	13.0	13.0	17.4	13.0	4.3	0.0	0.0	0.0	0.0	13.0	0.0	100.
24	4.3	0.0	0.0	4.3	8.7	4.3	4.3	21.7	26.1	0.0	4.3	0.0	0.0	0.0	8.7	13.0	0.0	100.
ALL	8.5	1.8	2.2	2.0	4.5	4.0	11.4	15.2	16.6	6.5	1.8	1.8	0.4	1.6	4.5	16.6	0.5	100.

NUMBER OF OBS = 553

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JUL-SEP 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JUL-SEP

		WIND DIRECTION																
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	10.6	7.1	2.4	2.4	2.4	4.7	11.8	14.1	22.4	3.5	4.7	2.4	0.0	0.0	3.5	8.2	0.0	100.
2	7.1	5.9	1.2	2.4	5.9	1.2	14.1	15.3	20.0	3.5	3.5	1.2	0.0	0.0	3.5	15.3	0.0	100.
3	11.8	4.7	2.4	2.4	3.5	5.9	10.6	14.1	15.3	4.7	4.7	1.2	0.0	2.4	2.4	12.9	1.2	100.
4	8.2	10.6	4.7	3.5	2.4	7.1	10.6	10.6	11.8	8.2	0.0	1.2	1.2	3.5	0.0	15.3	1.2	100.
5	5.9	3.5	5.9	2.4	5.9	4.7	14.1	15.3	10.6	4.7	3.5	2.4	0.0	0.0	5.9	14.1	1.2	100.
6	8.2	2.4	3.5	2.4	5.9	1.2	11.8	21.2	12.9	5.9	4.7	0.0	1.2	2.4	4.7	11.8	0.0	100.
7	10.6	5.9	1.2	2.4	3.5	7.1	11.8	11.8	18.8	3.5	3.5	2.4	0.0	3.5	3.5	9.4	1.2	100.
8	10.6	5.9	1.2	2.4	2.4	10.6	14.1	15.3	17.6	3.5	2.4	2.4	1.2	0.0	1.2	9.4	0.0	100.
9	8.2	4.7	3.5	4.7	2.4	8.2	11.8	15.3	16.5	9.4	3.5	1.2	0.0	0.0	1.2	9.4	0.0	100.
10	3.5	9.4	5.9	4.7	3.5	9.4	9.4	12.9	12.9	14.1	2.4	1.2	0.0	3.5	0.0	7.1	0.0	100.
11	8.2	3.5	5.9	5.9	4.7	7.1	14.1	7.1	15.3	10.6	2.4	1.2	0.0	2.4	1.2	10.6	0.0	100.
12	9.5	4.8	0.0	7.1	8.3	7.1	13.1	10.7	9.5	9.5	2.4	3.6	0.0	1.2	2.4	10.7	0.0	100.
13	10.7	6.0	4.8	1.2	10.7	7.1	9.5	11.9	10.7	6.0	6.0	1.2	0.0	1.2	2.4	10.7	0.0	100.
14	12.9	4.7	3.5	4.7	4.7	8.2	10.6	10.6	9.4	9.4	7.1	1.2	0.0	2.4	1.2	9.4	0.0	100.
15	10.7	6.0	6.0	1.2	3.6	11.9	11.9	9.5	16.7	7.1	1.2	2.4	0.0	2.4	1.2	8.3	0.0	100.
16	8.2	9.4	4.7	3.5	5.9	11.8	10.6	11.8	11.8	9.4	2.4	0.0	0.0	0.0	2.4	8.2	0.0	100.
17	11.8	9.4	3.5	3.5	5.9	9.4	16.5	9.4	11.8	5.9	1.2	0.0	0.0	0.0	2.4	9.4	0.0	100.
18	8.2	5.9	5.9	5.9	5.9	7.1	15.3	16.5	5.9	5.9	1.2	0.0	0.0	0.0	1.2	15.3	0.0	100.
19	4.7	8.2	4.7	3.5	10.6	7.1	17.6	11.8	7.1	2.4	1.2	1.2	0.0	0.0	4.7	15.3	0.0	100.
20	7.1	5.9	3.5	8.2	8.2	4.7	14.1	12.9	7.1	3.5	1.2	0.0	1.2	0.0	8.2	14.1	0.0	100.
21	11.8	3.5	4.7	5.9	8.2	4.7	11.8	17.6	9.4	2.4	1.2	1.2	0.0	0.0	2.4	14.1	1.2	100.
22	15.3	5.9	2.4	2.4	8.2	5.9	8.2	14.1	15.3	4.7	0.0	1.2	2.4	0.0	1.2	12.9	0.0	100.
23	5.9	4.7	4.7	3.5	4.7	8.2	10.6	9.4	15.3	5.9	5.9	0.0	0.0	2.4	3.5	15.3	0.0	100.
24	4.7	2.4	2.4	4.7	7.1	5.9	9.4	14.1	18.8	4.7	1.2	2.4	2.4	0.0	4.7	15.3	0.0	100.
ALL	8.9	5.8	3.7	3.8	5.6	6.9	12.2	13.1	13.5	6.2	2.8	1.3	0.4	1.1	2.7	11.8	0.2	100.

NUMBER OF OBS = 2037

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION OCT-DEC 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

OCTOBER

WIND DIRECTION																		
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	3.4	3.4	3.4	3.4	0.0	6.9	13.8	13.8	27.6	13.8	0.0	0.0	0.0	0.0	6.9	3.4	0.0	100.
2	3.6	3.6	3.6	0.0	7.1	10.7	3.6	17.9	25.0	14.3	0.0	0.0	3.6	3.6	0.0	3.6	0.0	100.
3	3.4	0.0	3.4	3.4	0.0	13.8	10.3	20.7	13.8	10.3	3.4	3.4	3.4	0.0	3.4	6.9	0.0	100.
4	10.3	3.4	0.0	3.4	3.4	6.9	13.8	20.7	17.2	6.9	0.0	0.0	3.4	0.0	6.9	3.4	0.0	100.
5	6.9	10.3	3.4	0.0	3.4	6.9	13.8	17.2	10.3	10.3	3.4	0.0	3.4	0.0	10.3	0.0	0.0	100.
6	3.4	10.3	0.0	0.0	6.9	10.3	6.9	24.1	24.1	0.0	0.0	0.0	3.4	0.0	3.4	3.4	3.4	100.
7	6.9	0.0	3.4	0.0	10.3	6.9	20.7	24.1	6.9	10.3	0.0	0.0	0.0	0.0	0.0	10.3	0.0	100.
8	10.3	6.9	3.4	0.0	3.4	6.9	13.8	13.8	24.1	10.3	0.0	0.0	3.4	0.0	0.0	3.4	0.0	100.
9	13.8	3.4	0.0	3.4	0.0	10.3	3.4	13.8	31.0	10.3	0.0	0.0	0.0	0.0	0.0	10.3	0.0	100.
10	6.9	3.4	0.0	0.0	6.9	6.9	3.4	3.4	27.6	17.2	6.9	3.4	0.0	0.0	3.4	10.3	0.0	100.
11	3.4	0.0	6.9	0.0	3.4	3.4	13.8	3.4	20.7	13.8	10.3	3.4	3.4	0.0	0.0	13.8	0.0	100.
12	3.4	6.9	3.4	3.4	0.0	6.9	10.3	3.4	27.6	10.3	6.9	0.0	0.0	0.0	3.4	13.8	0.0	100.
13	3.4	3.4	3.4	0.0	0.0	6.9	17.2	3.4	27.6	17.2	3.4	0.0	0.0	0.0	3.4	10.3	0.0	100.
14	3.4	3.4	6.9	3.4	0.0	3.4	10.3	20.7	13.8	17.2	3.4	0.0	0.0	0.0	3.4	10.3	0.0	100.
15	7.1	7.1	0.0	0.0	0.0	7.1	7.1	17.9	28.6	10.7	3.6	0.0	0.0	0.0	3.6	7.1	0.0	100.
16	3.6	7.1	0.0	0.0	0.0	7.1	7.1	21.4	10.7	25.0	0.0	0.0	0.0	0.0	3.6	14.3	0.0	100.
17	3.4	3.4	3.4	3.4	0.0	6.9	13.8	13.8	17.2	17.2	0.0	0.0	0.0	3.4	0.0	13.8	0.0	100.
18	3.4	6.9	0.0	3.4	0.0	10.3	17.2	13.8	24.1	0.0	0.0	0.0	6.9	0.0	0.0	13.8	0.0	100.
19	13.8	0.0	0.0	0.0	3.4	6.9	3.4	27.6	17.2	10.3	0.0	0.0	0.0	0.0	3.4	13.8	0.0	100.
20	13.8	0.0	0.0	3.4	3.4	3.4	10.3	24.1	3.4	17.2	3.4	3.4	0.0	0.0	0.0	6.9	6.9	100.
21	6.9	6.9	0.0	0.0	0.0	6.9	6.9	17.2	17.2	13.8	0.0	0.0	3.4	0.0	3.4	13.8	3.4	100.
22	3.4	6.9	0.0	0.0	0.0	3.4	6.9	31.0	17.2	13.8	0.0	0.0	0.0	0.0	0.0	17.2	0.0	100.
23	6.9	6.9	3.4	0.0	0.0	3.4	17.2	13.8	27.6	3.4	3.4	0.0	0.0	3.4	0.0	10.3	0.0	100.
24	0.0	6.9	3.4	0.0	0.0	6.9	10.3	24.1	24.1	3.4	0.0	3.4	0.0	0.0	3.4	13.8	0.0	100.
ALL	6.1	4.6	2.2	1.3	2.2	7.1	10.7	16.9	20.2	11.5	2.0	0.7	1.4	0.4	2.6	9.5	0.6	100.

NUMBER OF OBS = 693

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION OCT-DEC 2000

PROGRAM: WINPER

VERSION: 2P

HOURLY WIND ROSES (PERCENT)

NOVEMBER

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	6.7	0.0	0.0	0.0	0.0	0.0	10.0	16.7	13.3	0.0	3.3	3.3	20.0	13.3	10.0	3.3	0.0	100.
2	10.0	0.0	0.0	0.0	0.0	0.0	6.7	16.7	10.0	3.3	0.0	6.7	16.7	13.3	13.3	3.3	0.0	100.
3	3.3	0.0	0.0	0.0	0.0	0.0	3.3	13.3	13.3	0.0	3.3	10.0	16.7	10.0	13.3	13.3	0.0	100.
4	6.7	0.0	0.0	0.0	0.0	0.0	6.7	13.3	6.7	3.3	0.0	13.3	16.7	13.3	10.0	10.0	0.0	100.
5	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.7	16.7	3.3	6.7	13.3	20.0	10.0	13.3	6.7	0.0	100.
6	3.3	0.0	0.0	0.0	0.0	0.0	13.3	13.3	10.0	0.0	3.3	10.0	13.3	13.3	10.0	10.0	0.0	100.
7	10.0	0.0	0.0	0.0	0.0	3.3	13.3	13.3	0.0	0.0	0.0	3.3	26.7	13.3	10.0	6.7	0.0	100.
8	6.7	0.0	0.0	0.0	0.0	0.0	13.3	6.7	3.3	3.3	3.3	6.7	23.3	10.0	6.7	16.7	0.0	100.
9	3.3	3.3	0.0	0.0	0.0	3.3	10.0	13.3	10.0	0.0	0.0	10.0	20.0	3.3	13.3	10.0	0.0	100.
10	0.0	6.7	0.0	0.0	0.0	0.0	6.7	16.7	6.7	3.3	0.0	3.3	20.0	3.3	20.0	13.3	0.0	100.
11	6.7	6.7	0.0	0.0	3.3	6.7	3.3	3.3	13.3	3.3	0.0	3.3	20.0	6.7	16.7	6.7	0.0	100.
12	6.7	3.3	0.0	0.0	0.0	3.3	6.7	10.0	10.0	3.3	3.3	3.3	20.0	6.7	20.0	3.3	0.0	100.
13	3.3	3.3	3.3	0.0	0.0	3.3	3.3	10.0	6.7	0.0	3.3	6.7	16.7	16.7	10.0	13.3	0.0	100.
14	0.0	0.0	6.7	3.3	0.0	3.3	6.7	6.7	3.3	3.3	3.3	6.7	13.3	20.0	16.7	6.7	0.0	100.
15	0.0	6.7	3.3	0.0	3.3	6.7	3.3	6.7	3.3	0.0	6.7	6.7	6.7	13.3	26.7	6.7	0.0	100.
16	10.0	3.3	3.3	0.0	3.3	0.0	6.7	3.3	6.7	6.7	0.0	10.0	10.0	13.3	10.0	13.3	0.0	100.
17	16.7	0.0	0.0	0.0	6.7	0.0	3.3	6.7	6.7	6.7	3.3	3.3	13.3	6.7	20.0	6.7	0.0	100.
18	6.7	3.3	0.0	0.0	0.0	3.3	3.3	3.3	16.7	3.3	3.3	6.7	6.7	10.0	13.3	20.0	0.0	100.
19	6.7	6.7	0.0	0.0	0.0	0.0	10.0	6.7	6.7	6.7	0.0	3.3	13.3	13.3	10.0	16.7	0.0	100.
20	6.7	0.0	6.7	0.0	0.0	3.3	3.3	6.7	3.3	6.7	6.7	6.7	13.3	16.7	10.0	10.0	0.0	100.
21	3.3	0.0	0.0	0.0	3.3	6.7	3.3	3.3	10.0	6.7	6.7	10.0	6.7	16.7	16.7	6.7	0.0	100.
22	10.0	0.0	0.0	0.0	0.0	6.7	10.0	3.3	10.0	6.7	10.0	3.3	16.7	6.7	13.3	3.3	0.0	100.
23	10.0	3.3	0.0	0.0	0.0	3.3	6.7	3.3	6.7	0.0	20.0	6.7	16.7	6.7	16.7	0.0	0.0	100.
24	6.7	3.3	0.0	0.0	0.0	3.3	3.3	16.7	10.0	3.3	6.7	3.3	23.3	6.7	10.0	3.3	0.0	100.
ALL	6.0	2.1	1.0	0.1	0.8	2.4	6.7	9.2	8.5	3.1	3.9	6.7	16.2	11.0	13.7	8.7	0.0	100.

NUMBER OF OBS = 720

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION OCT-DEC 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

DECEMBER

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	6.5	0.0	0.0	3.2	6.5	3.2	9.7	6.5	9.7	3.2	3.2	0.0	6.5	0.0	32.3	9.7	0.0	100.
2	6.5	0.0	3.2	3.2	0.0	0.0	16.1	9.7	3.2	3.2	3.2	3.2	0.0	6.5	29.0	12.9	0.0	100.
3	12.9	3.2	3.2	0.0	0.0	0.0	9.7	19.4	0.0	6.5	3.2	0.0	3.2	16.1	9.7	12.9	0.0	100.
4	6.5	3.2	0.0	3.2	0.0	6.5	3.2	9.7	6.5	6.5	6.5	0.0	3.2	9.7	19.4	16.1	0.0	100.
5	9.7	6.5	0.0	6.5	0.0	6.5	6.5	6.5	3.2	0.0	6.5	3.2	6.5	6.5	22.6	9.7	0.0	100.
6	9.7	3.2	0.0	3.2	3.2	0.0	6.5	12.9	3.2	3.2	6.5	3.2	3.2	9.7	22.6	9.7	0.0	100.
7	16.1	3.2	0.0	3.2	3.2	0.0	6.5	6.5	6.5	0.0	3.2	9.7	3.2	9.7	19.4	9.7	0.0	100.
8	9.7	3.2	0.0	3.2	3.2	0.0	9.7	6.5	12.9	3.2	0.0	6.5	3.2	12.9	16.1	9.7	0.0	100.
9	6.5	3.2	0.0	0.0	6.5	0.0	6.5	9.7	9.7	0.0	0.0	6.5	9.7	6.5	16.1	16.1	3.2	100.
10	12.9	0.0	3.2	0.0	6.5	0.0	6.5	12.9	6.5	0.0	0.0	6.5	3.2	6.5	19.4	16.1	0.0	100.
11	12.9	6.5	0.0	3.2	3.2	3.2	3.2	6.5	12.9	3.2	0.0	3.2	3.2	12.9	16.1	9.7	0.0	100.
12	12.9	0.0	0.0	3.2	6.5	0.0	9.7	3.2	9.7	3.2	3.2	3.2	9.7	6.5	19.4	9.7	0.0	100.
13	12.9	0.0	6.5	3.2	3.2	0.0	6.5	0.0	16.1	6.5	0.0	0.0	9.7	3.2	25.8	6.5	0.0	100.
14	12.9	0.0	6.5	3.2	0.0	3.2	6.5	3.2	16.1	3.2	0.0	3.2	3.2	12.9	19.4	6.5	0.0	100.
15	16.1	0.0	9.7	0.0	0.0	12.9	3.2	0.0	12.9	0.0	0.0	6.5	3.2	6.5	22.6	6.5	0.0	100.
16	9.7	6.5	3.2	3.2	3.2	3.2	9.7	6.5	6.5	0.0	3.2	0.0	3.2	3.2	29.0	9.7	0.0	100.
17	9.7	6.5	3.2	3.2	0.0	3.2	12.9	12.9	3.2	0.0	0.0	3.2	0.0	9.7	32.3	0.0	0.0	100.
18	9.7	3.2	0.0	3.2	3.2	6.5	9.7	9.7	3.2	0.0	3.2	0.0	3.2	6.5	25.8	12.9	0.0	100.
19	6.5	3.2	6.5	3.2	0.0	3.2	9.7	9.7	6.5	0.0	3.2	0.0	3.2	0.0	32.3	12.9	0.0	100.
20	9.7	3.2	3.2	6.5	0.0	6.5	6.5	12.9	3.2	3.2	0.0	0.0	6.5	0.0	25.8	12.9	0.0	100.
21	9.7	3.2	3.2	3.2	3.2	3.2	12.9	9.7	3.2	3.2	0.0	0.0	3.2	3.2	16.1	22.6	0.0	100.
22	3.2	6.5	6.5	3.2	3.2	3.2	9.7	6.5	9.7	0.0	3.2	0.0	0.0	9.7	12.9	19.4	3.2	100.
23	3.2	3.2	0.0	9.7	0.0	3.2	19.4	0.0	12.9	3.2	3.2	0.0	0.0	6.5	19.4	16.1	0.0	100.
24	6.5	3.2	0.0	9.7	0.0	0.0	12.9	6.5	0.0	6.5	12.9	0.0	0.0	3.2	25.8	12.9	0.0	100.
ALL	9.7	3.0	2.4	3.5	2.3	2.8	8.9	7.8	7.4	2.4	2.7	2.4	3.8	7.0	22.0	11.7	0.3	100.

NUMBER OF OBS = 744

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION OCT-DEC 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

OCT-DEC

		WIND DIRECTION																
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	5.6	1.1	1.1	2.2	2.2	3.3	11.1	12.2	16.7	5.6	2.2	1.1	8.9	4.4	16.7	5.6	0.0	100.
2	6.7	1.1	2.2	1.1	2.2	3.4	9.0	14.6	12.4	6.7	1.1	3.4	6.7	7.9	14.6	6.7	0.0	100.
3	6.7	1.1	2.2	1.1	0.0	4.4	7.8	17.8	8.9	5.6	3.3	4.4	7.8	8.9	8.9	11.1	0.0	100.
4	7.8	2.2	0.0	2.2	1.1	4.4	7.8	14.4	10.0	5.6	2.2	4.4	7.8	7.8	12.2	10.0	0.0	100.
5	5.6	5.6	1.1	2.2	1.1	4.4	7.8	10.0	10.0	4.4	5.6	5.6	10.0	5.6	15.6	5.6	0.0	100.
6	5.6	4.4	0.0	1.1	3.3	3.3	8.9	16.7	12.2	1.1	3.3	4.4	6.7	7.8	12.2	7.8	1.1	100.
7	11.1	1.1	1.1	1.1	4.4	3.3	13.3	14.4	4.4	3.3	1.1	4.4	10.0	7.8	10.0	8.9	0.0	100.
8	8.9	3.3	1.1	1.1	2.2	2.2	12.2	8.9	13.3	5.6	1.1	4.4	10.0	7.8	7.8	10.0	0.0	100.
9	7.8	3.3	0.0	1.1	2.2	4.4	6.7	12.2	16.7	3.3	0.0	5.6	10.0	3.3	10.0	12.2	1.1	100.
10	6.7	3.3	1.1	0.0	4.4	2.2	5.6	11.1	13.3	6.7	2.2	4.4	7.8	3.3	14.4	13.3	0.0	100.
11	7.8	4.4	2.2	1.1	3.3	4.4	6.7	4.4	15.6	6.7	3.3	3.3	8.9	6.7	11.1	10.0	0.0	100.
12	7.8	3.3	1.1	2.2	2.2	3.3	8.9	5.6	15.6	5.6	4.4	2.2	10.0	4.4	14.4	8.9	0.0	100.
13	6.7	2.2	4.4	1.1	1.1	3.3	8.9	4.4	16.7	7.8	2.2	2.2	8.9	6.7	13.3	10.0	0.0	100.
14	5.6	1.1	6.7	3.3	0.0	3.3	7.8	10.0	11.1	7.8	2.2	3.3	5.6	11.1	13.3	7.8	0.0	100.
15	7.9	4.5	4.5	0.0	1.1	9.0	4.5	7.9	14.6	3.4	3.4	4.5	3.4	6.7	18.0	6.7	0.0	100.
16	7.9	5.6	2.2	1.1	2.2	3.4	7.9	10.1	7.9	10.1	1.1	3.4	4.5	5.6	14.6	12.4	0.0	100.
17	10.0	3.3	2.2	2.2	2.2	3.3	10.0	11.1	8.9	7.8	1.1	2.2	4.4	6.7	17.8	6.7	0.0	100.
18	6.7	4.4	0.0	2.2	1.1	6.7	10.0	8.9	14.4	1.1	2.2	2.2	5.6	5.6	13.3	15.6	0.0	100.
19	8.9	3.3	2.2	1.1	1.1	3.3	7.8	14.4	10.0	5.6	1.1	1.1	5.6	4.4	15.6	14.4	0.0	100.
20	10.0	1.1	3.3	3.3	1.1	4.4	6.7	14.4	3.3	8.9	3.3	3.3	6.7	5.6	12.2	10.0	2.2	100.
21	6.7	3.3	1.1	1.1	2.2	5.6	7.8	10.0	10.0	7.8	2.2	3.3	4.4	6.7	12.2	14.4	1.1	100.
22	5.6	4.4	2.2	1.1	1.1	4.4	8.9	13.3	12.2	6.7	4.4	1.1	5.6	5.6	8.9	13.3	1.1	100.
23	6.7	4.4	1.1	3.3	0.0	3.3	14.4	5.6	15.6	2.2	8.9	2.2	5.6	5.6	12.2	8.9	0.0	100.
24	4.4	4.4	1.1	3.3	0.0	3.3	8.9	15.6	11.1	4.4	6.7	2.2	7.8	3.3	13.3	10.0	0.0	100.
ALL	7.3	3.2	1.9	1.7	1.8	4.0	8.7	11.2	11.9	5.6	2.9	3.3	7.2	6.2	13.0	10.0	0.3	100.

NUMBER OF OBS = 2157

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JUL-DEC 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JUL-DEC

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	8.0	4.0	1.7	2.3	2.3	4.0	11.4	13.1	19.4	4.6	3.4	1.7	4.6	2.3	10.3	6.9	0.0	100.
2	6.9	3.4	1.7	1.7	4.0	2.3	11.5	14.9	16.1	5.2	2.3	2.3	3.4	4.0	9.2	10.9	0.0	100.
3	9.1	2.9	2.3	1.7	1.7	5.1	9.1	16.0	12.0	5.1	4.0	2.9	4.0	5.7	5.7	12.0	0.6	100.
4	8.0	6.3	2.3	2.9	1.7	5.7	9.1	12.6	10.9	6.9	1.1	2.9	4.6	5.7	6.3	12.6	0.6	100.
5	5.7	4.6	3.4	2.3	3.4	4.6	10.9	12.6	10.3	4.6	4.6	4.0	5.1	2.9	10.9	9.7	0.6	100.
6	6.9	3.4	1.7	1.7	4.6	2.3	10.3	18.9	12.6	3.4	4.0	2.3	4.0	5.1	8.6	9.7	0.6	100.
7	10.9	3.4	1.1	1.7	4.0	5.1	12.6	13.1	11.4	3.4	2.3	3.4	5.1	5.7	6.9	9.1	0.6	100.
8	9.7	4.6	1.1	1.7	2.3	6.3	13.1	12.0	15.4	4.6	1.7	3.4	5.7	4.0	4.6	9.7	0.0	100.
9	8.0	4.0	1.7	2.9	2.3	6.3	9.1	13.7	16.6	6.3	1.7	3.4	5.1	1.7	5.7	10.9	0.6	100.
10	5.1	6.3	3.4	2.3	4.0	5.7	7.4	12.0	13.1	10.3	2.3	2.9	4.0	3.4	7.4	10.3	0.0	100.
11	8.0	4.0	4.0	3.4	4.0	5.7	10.3	5.7	15.4	8.6	2.9	2.3	4.6	4.6	6.3	10.3	0.0	100.
12	8.6	4.0	0.6	4.6	5.2	5.2	10.9	8.0	12.6	7.5	3.4	2.9	5.2	2.9	8.6	9.8	0.0	100.
13	8.6	4.0	4.6	1.1	5.7	5.2	9.2	8.0	13.8	6.9	4.0	1.7	4.6	4.0	8.0	10.3	0.0	100.
14	9.1	2.9	5.1	4.0	2.3	5.7	9.1	10.3	10.3	8.6	4.6	2.3	2.9	6.9	7.4	8.6	0.0	100.
15	9.2	5.2	5.2	0.6	2.3	10.4	8.1	8.7	15.6	5.2	2.3	3.5	1.7	4.6	9.8	7.5	0.0	100.
16	8.0	7.5	3.4	2.3	4.0	7.5	9.2	10.9	9.8	9.8	1.7	1.7	2.3	2.9	8.6	10.3	0.0	100.
17	10.9	6.3	2.9	2.9	4.0	6.3	13.1	10.3	10.3	6.9	1.1	1.1	2.3	3.4	10.3	8.0	0.0	100.
18	7.4	5.1	2.9	4.0	3.4	6.9	12.6	12.6	10.3	3.4	1.7	1.1	2.9	2.9	7.4	15.4	0.0	100.
19	6.9	5.7	3.4	2.3	5.7	5.1	12.6	13.1	8.6	4.0	1.1	1.1	2.9	2.3	10.3	14.9	0.0	100.
20	8.6	3.4	3.4	5.7	4.6	4.6	10.3	13.7	5.1	6.3	2.3	1.7	4.0	2.9	10.3	12.0	1.1	100.
21	9.1	3.4	2.9	3.4	5.1	5.1	9.7	13.7	9.7	5.1	1.7	2.3	2.3	3.4	7.4	14.3	1.1	100.
22	10.3	5.1	2.3	1.7	4.6	5.1	8.6	13.7	13.7	5.7	2.3	1.1	4.0	2.9	5.1	13.1	0.6	100.
23	6.3	4.6	2.9	3.4	2.3	5.7	12.6	7.4	15.4	4.0	7.4	1.1	2.9	4.0	8.0	12.0	0.0	100.
24	4.6	3.4	1.7	4.0	3.4	4.6	9.1	14.9	14.9	4.6	4.0	2.3	5.1	1.7	9.1	12.6	0.0	100.
ALL	8.1	4.5	2.7	2.7	3.6	5.4	10.4	12.1	12.6	5.9	2.8	2.3	3.9	3.7	8.0	10.9	0.3	100.

NUMBER OF OBS = 4194

B45

NPPD-COOPER NUCLEAR STATION 10-M WIND DIRECTION JAN-DEC 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JAN-DEC

		WIND DIRECTION																
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	9.0	3.4	2.0	2.0	1.7	4.8	9.3	12.4	18.6	5.6	3.1	2.0	3.1	4.2	9.9	8.7	0.3	100.
2	8.5	3.4	1.4	2.3	2.5	2.8	10.5	12.5	17.0	5.4	2.0	2.3	2.5	4.5	9.9	12.5	0.0	100.
3	10.4	3.1	2.0	2.0	2.5	5.4	8.2	14.6	12.4	5.9	3.7	2.8	3.1	5.1	8.5	10.1	0.3	100.
4	8.5	4.8	2.0	3.4	3.4	4.2	7.0	14.9	13.5	6.2	0.8	2.0	3.1	4.8	8.5	12.1	0.8	100.
5	9.0	3.7	2.8	2.0	3.1	3.9	9.9	16.6	9.9	4.8	3.7	2.5	5.1	3.7	11.0	8.2	0.3	100.
6	7.9	4.8	2.3	1.4	3.7	3.7	8.5	18.0	11.5	5.4	3.1	3.4	3.1	4.8	7.6	10.7	0.3	100.
7	10.4	3.7	1.7	2.3	3.7	5.4	11.3	12.1	14.6	3.9	1.4	3.1	4.2	5.9	7.6	8.5	0.3	100.
8	8.5	3.9	1.7	2.5	3.1	4.8	11.5	12.4	15.8	5.4	2.5	3.9	4.2	3.9	6.5	9.3	0.0	100.
9	7.6	3.7	1.4	3.1	3.1	5.9	7.3	13.0	16.1	6.5	3.4	3.4	4.8	3.1	6.8	10.5	0.3	100.
10	6.8	4.5	3.1	2.3	4.8	5.1	5.9	11.9	13.6	9.9	3.7	3.1	4.5	3.7	7.3	9.9	0.0	100.
11	6.8	3.7	3.1	1.7	4.2	6.5	7.9	7.6	14.7	8.8	3.4	3.1	4.8	4.5	7.1	12.1	0.0	100.
12	9.1	4.0	1.4	2.8	4.0	5.7	9.3	9.3	13.6	8.5	3.4	3.7	4.2	4.0	7.1	9.9	0.0	100.
13	9.1	3.7	2.8	2.0	4.5	5.1	7.1	9.6	13.9	8.2	3.4	3.1	4.2	4.8	7.9	10.5	0.0	100.
14	9.0	3.4	3.7	2.3	2.8	5.1	6.8	10.7	11.9	10.2	3.7	4.2	3.1	5.6	7.6	9.9	0.0	100.
15	7.7	3.7	4.5	1.1	2.6	6.5	9.1	8.2	14.8	8.2	2.3	3.7	2.8	4.8	9.4	10.5	0.0	100.
16	6.5	5.9	2.8	2.5	4.0	5.9	8.2	9.3	12.5	9.9	2.3	2.8	2.5	4.0	7.6	13.0	0.0	100.
17	8.5	5.4	2.8	2.8	2.8	5.4	9.3	10.1	12.7	7.9	2.8	3.1	2.0	3.9	9.0	11.5	0.0	100.
18	7.9	4.5	3.4	3.4	3.4	4.8	9.9	11.8	11.8	4.8	3.7	3.1	1.7	3.4	7.0	15.5	0.0	100.
19	7.0	3.9	3.9	3.7	3.9	4.2	9.3	11.5	12.7	4.8	3.4	1.1	3.7	2.5	8.5	15.8	0.0	100.
20	8.5	3.1	3.1	4.5	3.9	3.4	7.0	14.1	10.7	7.3	2.0	2.0	3.7	3.1	10.1	13.0	0.6	100.
21	9.3	2.3	3.1	3.4	4.2	3.9	7.9	13.8	13.0	5.4	2.0	2.3	2.8	3.1	8.7	14.4	0.6	100.
22	11.0	3.7	2.5	2.8	3.7	4.5	5.9	13.5	18.0	4.5	2.3	1.7	2.8	4.8	6.2	11.8	0.3	100.
23	8.2	4.5	2.3	2.3	2.8	4.2	9.3	11.0	16.3	3.9	5.6	2.0	3.1	3.9	8.2	12.4	0.0	100.
24	6.5	4.0	1.4	2.5	3.1	4.0	7.1	16.7	15.5	5.1	3.4	2.0	4.2	4.0	7.9	12.7	0.0	100.
ALL	8.4	3.9	2.6	2.5	3.4	4.8	8.5	12.3	14.0	6.5	3.0	2.8	3.5	4.2	8.2	11.4	0.2	100.

NUMBER OF OBS = 8504

Wind Direction Frequencies

100-Meter Level

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JAN-MAR 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JANUARY

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	3.2	6.5	3.2	0.0	6.5	3.2	9.7	6.5	9.7	9.7	6.5	3.2	6.5	3.2	12.9	9.7	0.0	100.
2	3.2	6.5	6.5	0.0	3.2	9.7	3.2	6.5	6.5	16.1	6.5	0.0	9.7	0.0	16.1	6.5	0.0	100.
3	9.7	0.0	6.5	6.5	6.5	9.7	0.0	9.7	6.5	6.5	9.7	0.0	6.5	6.5	9.7	6.5	0.0	100.
4	6.5	0.0	3.2	6.5	0.0	12.9	0.0	16.1	6.5	6.5	6.5	0.0	9.7	3.2	16.1	6.5	0.0	100.
5	9.7	0.0	3.2	6.5	0.0	12.9	0.0	9.7	12.9	6.5	3.2	3.2	3.2	6.5	16.1	6.5	0.0	100.
6	6.5	6.5	3.2	6.5	0.0	12.9	0.0	9.7	12.9	6.5	0.0	6.5	6.5	9.7	6.5	6.5	0.0	100.
7	6.5	0.0	3.2	6.5	6.5	9.7	0.0	9.7	12.9	3.2	6.5	6.5	0.0	3.2	16.1	9.7	0.0	100.
8	6.5	0.0	3.2	3.2	6.5	9.7	6.5	9.7	9.7	3.2	9.7	3.2	0.0	9.7	12.9	6.5	0.0	100.
9	3.2	6.5	3.2	0.0	3.2	12.9	6.5	6.5	12.9	3.2	9.7	0.0	3.2	3.2	16.1	9.7	0.0	100.
10	9.7	6.5	0.0	0.0	6.5	9.7	6.5	0.0	16.1	3.2	9.7	6.5	3.2	3.2	12.9	6.5	0.0	100.
11	3.2	3.2	0.0	0.0	6.5	9.7	6.5	3.2	12.9	9.7	3.2	6.5	3.2	3.2	16.1	12.9	0.0	100.
12	9.7	3.2	3.2	0.0	0.0	9.7	6.5	9.7	12.9	3.2	6.5	6.5	3.2	6.5	6.5	12.9	0.0	100.
13	9.7	3.2	3.2	0.0	0.0	6.5	6.5	3.2	12.9	9.7	3.2	6.5	6.5	12.9	3.2	12.9	0.0	100.
14	3.2	0.0	6.5	0.0	3.2	0.0	12.9	3.2	3.2	16.1	6.5	3.2	3.2	9.7	9.7	19.4	0.0	100.
15	3.2	0.0	3.2	0.0	3.2	0.0	12.9	3.2	0.0	19.4	6.5	6.5	0.0	6.5	22.6	12.9	0.0	100.
16	6.5	6.5	0.0	3.2	3.2	3.2	9.7	3.2	0.0	19.4	6.5	3.2	6.5	3.2	16.1	9.7	0.0	100.
17	0.0	6.5	3.2	0.0	6.5	3.2	3.2	6.5	0.0	16.1	6.5	9.7	3.2	3.2	12.9	19.4	0.0	100.
18	0.0	0.0	6.5	3.2	6.5	0.0	6.5	6.5	0.0	9.7	12.9	6.5	9.7	0.0	6.5	25.8	0.0	100.
19	0.0	3.2	3.2	0.0	9.7	6.5	3.2	6.5	3.2	9.7	6.5	9.7	6.5	3.2	3.2	25.8	0.0	100.
20	9.7	0.0	3.2	3.2	6.5	3.2	6.5	6.5	6.5	9.7	9.7	3.2	9.7	0.0	6.5	16.1	0.0	100.
21	3.2	3.2	3.2	0.0	6.5	6.5	6.5	6.5	12.9	6.5	3.2	3.2	3.2	9.7	9.7	16.1	0.0	100.
22	6.5	6.5	0.0	0.0	3.2	9.7	6.5	3.2	12.9	9.7	0.0	3.2	3.2	16.1	9.7	9.7	0.0	100.
23	0.0	9.7	0.0	0.0	3.2	9.7	9.7	3.2	9.7	12.9	3.2	0.0	9.7	0.0	12.9	16.1	0.0	100.
24	3.2	6.5	3.2	0.0	3.2	6.5	6.5	6.5	12.9	6.5	6.5	3.2	3.2	3.2	16.1	12.9	0.0	100.
ALL	5.1	3.5	3.1	1.9	4.2	7.4	5.6	6.5	8.6	9.3	6.2	4.2	5.0	5.2	12.0	12.4	0.0	100.

NUMBER OF OBS = 744

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JAN-MAR 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

FEBRUARY

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	3.4	3.4	3.4	0.0	3.4	6.9	3.4	6.9	17.2	3.4	10.3	3.4	10.3	3.4	10.3	10.3	0.0	100.
2	6.9	6.9	0.0	0.0	0.0	6.9	3.4	10.3	13.8	10.3	3.4	0.0	3.4	17.2	0.0	17.2	0.0	100.
3	6.9	3.4	0.0	0.0	0.0	6.9	6.9	6.9	13.8	3.4	10.3	0.0	10.3	6.9	10.3	13.8	0.0	100.
4	6.9	3.4	0.0	0.0	0.0	6.9	6.9	10.3	13.8	6.9	3.4	3.4	3.4	10.3	13.8	10.3	0.0	100.
5	10.3	0.0	0.0	0.0	0.0	3.4	6.9	17.2	6.9	3.4	10.3	6.9	3.4	6.9	10.3	13.8	0.0	100.
6	10.3	0.0	0.0	0.0	0.0	3.4	10.3	13.8	10.3	6.9	6.9	3.4	6.9	0.0	6.9	20.7	0.0	100.
7	6.9	0.0	0.0	0.0	0.0	3.4	10.3	13.8	13.8	0.0	10.3	6.9	3.4	3.4	10.3	17.2	0.0	100.
8	10.3	0.0	0.0	0.0	0.0	3.4	3.4	20.7	13.8	3.4	13.8	3.4	3.4	0.0	13.8	10.3	0.0	100.
9	10.7	0.0	0.0	0.0	3.6	0.0	0.0	14.3	17.9	14.3	7.1	3.6	3.6	3.6	10.7	10.7	0.0	100.
10	7.1	3.6	0.0	0.0	0.0	3.6	0.0	14.3	10.7	21.4	7.1	3.6	3.6	3.6	3.6	17.9	0.0	100.
11	10.7	3.6	0.0	0.0	0.0	3.6	7.1	7.1	10.7	17.9	14.3	3.6	3.6	0.0	3.6	14.3	0.0	100.
12	3.6	7.1	0.0	0.0	0.0	7.1	3.6	7.1	10.7	21.4	10.7	3.6	0.0	3.6	3.6	17.9	0.0	100.
13	0.0	3.6	0.0	0.0	0.0	3.6	7.1	3.6	17.9	21.4	7.1	7.1	0.0	3.6	7.1	17.9	0.0	100.
14	7.1	3.6	0.0	0.0	0.0	7.1	3.6	3.6	14.3	25.0	0.0	10.7	0.0	3.6	7.1	14.3	0.0	100.
15	3.7	0.0	3.7	0.0	0.0	7.4	3.7	0.0	29.6	11.1	3.7	3.7	7.4	3.7	7.4	14.8	0.0	100.
16	0.0	0.0	3.7	0.0	3.7	3.7	3.7	0.0	22.2	18.5	0.0	0.0	11.1	3.7	7.4	22.2	0.0	100.
17	0.0	0.0	3.6	3.6	0.0	0.0	7.1	0.0	21.4	14.3	3.6	3.6	7.1	10.7	3.6	21.4	0.0	100.
18	3.4	3.4	3.4	0.0	3.4	3.4	6.9	10.3	10.3	6.9	6.9	3.4	0.0	6.9	10.3	20.7	0.0	100.
19	3.4	3.4	0.0	3.4	6.9	6.9	3.4	13.8	3.4	13.8	3.4	0.0	6.9	3.4	3.4	24.1	0.0	100.
20	3.4	0.0	3.4	3.4	6.9	6.9	3.4	10.3	3.4	13.8	6.9	0.0	6.9	3.4	6.9	20.7	0.0	100.
21	6.9	0.0	3.4	3.4	3.4	3.4	10.3	13.8	6.9	13.8	3.4	0.0	3.4	3.4	6.9	17.2	0.0	100.
22	0.0	3.4	0.0	6.9	0.0	13.8	0.0	6.9	24.1	3.4	3.4	3.4	3.4	3.4	10.3	17.2	0.0	100.
23	3.4	0.0	6.9	3.4	3.4	3.4	3.4	6.9	20.7	3.4	3.4	6.9	3.4	6.9	6.9	17.2	0.0	100.
24	6.9	0.0	6.9	3.4	0.0	6.9	3.4	6.9	17.2	6.9	6.9	3.4	6.9	10.3	6.9	6.9	0.0	100.
ALL	5.5	2.0	1.6	1.2	1.5	5.1	5.0	9.2	14.3	10.9	6.6	3.5	4.7	5.1	7.6	16.2	0.0	100.

NUMBER OF OBS = 685

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JAN-MAR 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

MARCH

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	16.1	0.0	9.7	3.2	6.5	6.5	9.7	12.9	6.5	3.2	9.7	0.0	0.0	3.2	12.9	0.0	0.0	100.
2	16.1	3.2	3.2	9.7	3.2	3.2	9.7	9.7	6.5	12.9	3.2	3.2	0.0	3.2	12.9	0.0	0.0	100.
3	16.1	6.5	3.2	3.2	3.2	9.7	6.5	6.5	12.9	12.9	0.0	3.2	0.0	3.2	9.7	3.2	0.0	100.
4	16.1	3.2	3.2	9.7	3.2	12.9	3.2	6.5	9.7	12.9	0.0	3.2	0.0	0.0	12.9	3.2	0.0	100.
5	19.4	3.2	6.5	3.2	9.7	6.5	3.2	9.7	12.9	6.5	3.2	3.2	0.0	3.2	9.7	0.0	0.0	100.
6	9.7	3.2	9.7	6.5	6.5	9.7	0.0	6.5	16.1	6.5	0.0	3.2	0.0	3.2	9.7	9.7	0.0	100.
7	12.9	9.7	0.0	3.2	16.1	0.0	6.5	6.5	16.1	3.2	3.2	3.2	0.0	6.5	6.5	6.5	0.0	100.
8	9.7	3.2	3.2	0.0	12.9	12.9	0.0	6.5	9.7	9.7	0.0	6.5	3.2	0.0	12.9	9.7	0.0	100.
9	16.1	3.2	6.5	0.0	9.7	9.7	3.2	3.2	12.9	6.5	6.5	3.2	3.2	0.0	6.5	9.7	0.0	100.
10	16.1	3.2	6.5	0.0	6.5	12.9	3.2	3.2	12.9	9.7	9.7	0.0	3.2	0.0	0.0	12.9	0.0	100.
11	12.9	3.2	6.5	0.0	6.5	9.7	9.7	0.0	9.7	16.1	0.0	3.2	0.0	3.2	3.2	16.1	0.0	100.
12	19.4	3.2	0.0	0.0	3.2	12.9	6.5	6.5	19.4	9.7	0.0	3.2	0.0	3.2	3.2	9.7	0.0	100.
13	29.0	0.0	3.2	3.2	6.5	6.5	6.5	3.2	12.9	12.9	3.2	3.2	3.2	3.2	0.0	3.2	0.0	100.
14	16.1	6.5	0.0	6.5	6.5	3.2	9.7	3.2	9.7	9.7	0.0	6.5	6.5	3.2	3.2	9.7	0.0	100.
15	22.6	0.0	0.0	3.2	9.7	6.5	6.5	3.2	9.7	3.2	6.5	6.5	0.0	6.5	6.5	9.7	0.0	100.
16	19.4	6.5	0.0	9.7	12.9	0.0	6.5	3.2	6.5	3.2	12.9	0.0	3.2	3.2	6.5	6.5	0.0	100.
17	12.9	12.9	3.2	9.7	6.5	0.0	6.5	6.5	6.5	6.5	6.5	3.2	0.0	3.2	6.5	9.7	0.0	100.
18	19.4	6.5	6.5	12.9	3.2	3.2	3.2	6.5	6.5	3.2	3.2	3.2	3.2	3.2	3.2	9.7	0.0	100.
19	19.4	9.7	3.2	6.5	6.5	6.5	6.5	9.7	3.2	3.2	3.2	6.5	0.0	0.0	3.2	12.9	0.0	100.
20	12.9	16.1	3.2	6.5	9.7	3.2	3.2	12.9	6.5	0.0	3.2	0.0	6.5	0.0	12.9	3.2	0.0	100.
21	9.7	12.9	0.0	6.5	9.7	9.7	0.0	16.1	12.9	3.2	0.0	0.0	3.2	0.0	9.7	6.5	0.0	100.
22	16.1	3.2	12.9	3.2	0.0	16.1	12.9	6.5	9.7	6.5	0.0	0.0	0.0	3.2	9.7	0.0	0.0	100.
23	12.9	3.2	12.9	3.2	6.5	6.5	19.4	6.5	6.5	6.5	3.2	0.0	0.0	3.2	9.7	0.0	0.0	100.
24	19.4	0.0	9.7	3.2	3.2	6.5	16.1	12.9	3.2	3.2	6.5	0.0	3.2	6.5	6.5	0.0	0.0	100.
ALL	16.3	5.1	4.7	4.7	7.0	7.3	6.6	7.0	9.9	7.3	3.5	2.7	1.6	2.7	7.4	6.3	0.0	100.

NUMBER OF OBS = 744

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JAN-MAR 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JAN-MAR

WIND DIRECTION																		
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	7.7	3.3	5.5	1.1	5.5	5.5	7.7	8.8	11.0	5.5	8.8	2.2	5.5	3.3	12.1	6.6	0.0	100.
2	8.8	5.5	3.3	3.3	2.2	6.6	5.5	8.8	8.8	13.2	4.4	1.1	4.4	6.6	9.9	7.7	0.0	100.
3	11.0	3.3	3.3	3.3	3.3	8.8	4.4	7.7	11.0	7.7	6.6	1.1	5.5	5.5	9.9	7.7	0.0	100.
4	9.9	2.2	2.2	5.5	1.1	11.0	3.3	11.0	9.9	8.8	3.3	2.2	4.4	4.4	14.3	6.6	0.0	100.
5	13.2	1.1	3.3	3.3	3.3	7.7	3.3	12.1	11.0	5.5	5.5	4.4	2.2	5.5	12.1	6.6	0.0	100.
6	8.8	3.3	4.4	4.4	2.2	8.8	3.3	9.9	13.2	6.6	2.2	4.4	4.4	4.4	7.7	12.1	0.0	100.
7	8.8	3.3	1.1	3.3	7.7	4.4	5.5	9.9	14.3	2.2	6.6	5.5	1.1	4.4	11.0	11.0	0.0	100.
8	8.8	1.1	2.2	1.1	6.6	8.8	3.3	12.1	11.0	5.5	7.7	4.4	2.2	3.3	13.2	8.8	0.0	100.
9	10.0	3.3	3.3	0.0	5.6	7.8	3.3	7.8	14.4	7.8	7.8	2.2	3.3	2.2	11.1	10.0	0.0	100.
10	11.1	4.4	2.2	0.0	4.4	8.9	3.3	5.6	13.3	11.1	8.9	3.3	3.3	2.2	5.6	12.2	0.0	100.
11	8.9	3.3	2.2	0.0	4.4	7.8	7.8	3.3	11.1	14.4	5.6	4.4	2.2	2.2	7.8	14.4	0.0	100.
12	11.1	4.4	1.1	0.0	1.1	10.0	5.6	7.8	14.4	11.1	5.6	4.4	1.1	4.4	4.4	13.3	0.0	100.
13	13.3	2.2	2.2	1.1	2.2	5.6	6.7	3.3	14.4	14.4	4.4	5.6	3.3	6.7	3.3	11.1	0.0	100.
14	8.9	3.3	2.2	2.2	3.3	3.3	8.9	3.3	8.9	16.7	2.2	6.7	3.3	5.6	6.7	14.4	0.0	100.
15	10.1	0.0	2.2	1.1	4.5	4.5	7.9	2.2	12.4	11.2	5.6	5.6	2.2	5.6	12.4	12.4	0.0	100.
16	9.0	4.5	1.1	4.5	6.7	2.2	6.7	2.2	9.0	13.5	6.7	1.1	6.7	3.4	10.1	12.4	0.0	100.
17	4.4	6.7	3.3	4.4	4.4	1.1	5.6	4.4	8.9	12.2	5.6	5.6	3.3	5.6	7.8	16.7	0.0	100.
18	7.7	3.3	5.5	5.5	4.4	2.2	5.5	7.7	5.5	7.7	7.7	4.4	4.4	3.3	6.6	18.7	0.0	100.
19	7.7	5.5	2.2	3.3	7.7	6.6	4.4	9.9	3.3	8.8	4.4	5.5	4.4	2.2	3.3	20.9	0.0	100.
20	8.8	5.5	3.3	4.4	7.7	4.4	4.4	9.9	5.5	7.7	6.6	1.1	7.7	1.1	8.8	13.2	0.0	100.
21	6.6	5.5	2.2	3.3	6.6	6.6	5.5	12.1	11.0	7.7	2.2	1.1	3.3	4.4	8.8	13.2	0.0	100.
22	7.7	4.4	4.4	3.3	1.1	13.2	6.6	5.5	15.4	6.6	1.1	2.2	2.2	7.7	9.9	8.8	0.0	100.
23	5.5	4.4	6.6	2.2	4.4	6.6	11.0	5.5	12.1	7.7	3.3	2.2	4.4	3.3	9.9	11.0	0.0	100.
24	9.9	2.2	6.6	2.2	2.2	6.6	8.8	8.8	11.0	5.5	6.6	2.2	4.4	6.6	9.9	6.6	0.0	100.
ALL	9.1	3.6	3.2	2.6	4.3	6.6	5.8	7.5	10.9	9.1	5.4	3.5	3.7	4.3	9.0	11.5	0.0	100.

NUMBER OF OBS = 2173

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION APR-JUN 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

APRIL

WIND DIRECTION																		
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	6.7	3.3	0.0	3.3	3.3	6.7	13.3	10.0	6.7	3.3	10.0	0.0	3.3	10.0	16.7	3.3	0.0	100.
2	6.9	0.0	3.4	0.0	6.9	10.3	13.8	3.4	6.9	6.9	3.4	0.0	0.0	6.9	20.7	10.3	0.0	100.
3	3.3	3.3	3.3	3.3	6.7	6.7	6.7	10.0	10.0	3.3	3.3	3.3	3.3	3.3	20.0	10.0	0.0	100.
4	13.3	0.0	3.3	3.3	10.0	6.7	6.7	10.0	13.3	0.0	3.3	3.3	6.7	0.0	16.7	3.3	0.0	100.
5	6.7	3.3	0.0	3.3	6.7	3.3	6.7	6.7	20.0	3.3	3.3	3.3	6.7	0.0	20.0	6.7	0.0	100.
6	6.7	3.3	0.0	3.3	6.7	3.3	6.7	6.7	20.0	3.3	0.0	3.3	0.0	10.0	16.7	10.0	0.0	100.
7	6.7	0.0	3.3	3.3	6.7	3.3	3.3	6.7	23.3	3.3	0.0	3.3	0.0	10.0	16.7	10.0	0.0	100.
8	3.3	3.3	0.0	3.3	6.7	3.3	3.3	16.7	13.3	3.3	0.0	10.0	0.0	6.7	16.7	10.0	0.0	100.
9	6.7	0.0	3.3	3.3	6.7	0.0	10.0	6.7	13.3	0.0	3.3	10.0	6.7	3.3	16.7	10.0	0.0	100.
10	3.3	0.0	0.0	3.3	6.7	3.3	13.3	10.0	6.7	3.3	3.3	3.3	10.0	6.7	6.7	20.0	0.0	100.
11	10.0	0.0	3.3	0.0	3.3	10.0	6.7	10.0	10.0	3.3	0.0	3.3	10.0	6.7	10.0	13.3	0.0	100.
12	10.0	0.0	6.7	0.0	6.7	10.0	10.0	6.7	10.0	3.3	0.0	3.3	13.3	0.0	10.0	10.0	0.0	100.
13	6.7	0.0	0.0	3.3	10.0	3.3	10.0	10.0	10.0	3.3	0.0	6.7	13.3	3.3	10.0	10.0	0.0	100.
14	6.7	0.0	3.3	3.3	3.3	6.7	6.7	10.0	10.0	3.3	6.7	6.7	6.7	10.0	6.7	10.0	0.0	100.
15	6.7	0.0	3.3	3.3	0.0	3.3	13.3	6.7	10.0	6.7	10.0	6.7	6.7	3.3	6.7	13.3	0.0	100.
16	3.3	3.3	6.7	0.0	3.3	6.7	6.7	10.0	13.3	10.0	3.3	6.7	0.0	6.7	3.3	16.7	0.0	100.
17	3.3	3.3	3.3	0.0	0.0	10.0	10.0	13.3	16.7	0.0	6.7	10.0	0.0	3.3	0.0	20.0	0.0	100.
18	3.3	0.0	3.3	3.3	3.3	6.7	20.0	3.3	16.7	3.3	6.7	3.3	0.0	0.0	6.7	20.0	0.0	100.
19	6.7	0.0	3.3	3.3	6.7	3.3	13.3	6.7	23.3	3.3	3.3	3.3	0.0	0.0	3.3	20.0	0.0	100.
20	6.7	0.0	0.0	3.3	13.3	3.3	6.7	13.3	20.0	6.7	3.3	0.0	0.0	0.0	10.0	13.3	0.0	100.
21	3.3	0.0	6.7	0.0	13.3	3.3	6.7	10.0	16.7	10.0	6.7	0.0	0.0	0.0	13.3	10.0	0.0	100.
22	0.0	3.3	0.0	3.3	6.7	10.0	6.7	10.0	13.3	13.3	3.3	0.0	0.0	3.3	16.7	10.0	0.0	100.
23	0.0	10.0	0.0	0.0	3.3	10.0	3.3	10.0	20.0	6.7	3.3	3.3	3.3	0.0	13.3	13.3	0.0	100.
24	6.7	3.3	0.0	0.0	3.3	6.7	10.0	6.7	16.7	6.7	3.3	3.3	3.3	3.3	6.7	20.0	0.0	100.
ALL	5.7	1.7	2.4	2.2	6.0	5.8	8.9	8.9	14.2	4.6	3.6	4.0	3.9	4.0	11.8	12.2	0.0	100.

NUMBER OF OBS = 719

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION APR-JUN 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

MAY

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	6.5	3.2	0.0	0.0	0.0	6.5	3.2	19.4	19.4	3.2	6.5	3.2	0.0	6.5	9.7	12.9	0.0	100.
2	9.7	9.7	0.0	0.0	3.2	3.2	6.5	9.7	25.8	3.2	9.7	0.0	0.0	6.5	9.7	3.2	0.0	100.
3	6.5	3.2	3.2	0.0	3.2	6.5	6.5	9.7	16.1	6.5	9.7	0.0	0.0	6.5	12.9	9.7	0.0	100.
4	9.7	12.9	0.0	0.0	0.0	6.5	6.5	16.1	12.9	3.2	9.7	3.2	0.0	0.0	9.7	9.7	0.0	100.
5	16.1	6.5	3.2	0.0	0.0	3.2	12.9	9.7	16.1	3.2	9.7	3.2	0.0	0.0	9.7	6.5	0.0	100.
6	9.7	6.5	6.5	0.0	3.2	0.0	12.9	9.7	19.4	0.0	12.9	0.0	0.0	6.5	3.2	9.7	0.0	100.
7	12.9	3.2	6.5	0.0	3.2	0.0	16.1	12.9	6.5	12.9	6.5	0.0	3.2	6.5	3.2	6.5	0.0	100.
8	6.5	6.5	0.0	3.2	3.2	0.0	19.4	6.5	3.2	19.4	6.5	3.2	0.0	3.2	6.5	12.9	0.0	100.
9	3.2	3.2	0.0	3.2	6.5	3.2	6.5	12.9	16.1	9.7	3.2	3.2	3.2	6.5	3.2	16.1	0.0	100.
10	6.5	6.5	0.0	0.0	3.2	6.5	6.5	16.1	12.9	12.9	3.2	3.2	0.0	6.5	9.7	6.5	0.0	100.
11	6.5	3.2	0.0	3.2	0.0	9.7	6.5	12.9	16.1	9.7	3.2	0.0	6.5	3.2	9.7	9.7	0.0	100.
12	6.5	3.2	0.0	3.2	0.0	0.0	12.9	16.1	19.4	6.5	3.2	0.0	3.2	9.7	6.5	9.7	0.0	100.
13	6.5	6.5	0.0	0.0	0.0	3.2	3.2	19.4	19.4	3.2	6.5	0.0	0.0	12.9	9.7	9.7	0.0	100.
14	6.5	9.7	0.0	0.0	0.0	3.2	3.2	16.1	22.6	6.5	3.2	0.0	3.2	3.2	12.9	9.7	0.0	100.
15	3.2	3.2	6.5	3.2	0.0	3.2	6.5	12.9	22.6	6.5	3.2	3.2	0.0	3.2	12.9	9.7	0.0	100.
16	0.0	0.0	3.2	3.2	3.2	3.2	6.5	12.9	22.6	6.5	0.0	3.2	3.2	6.5	6.5	19.4	0.0	100.
17	0.0	6.5	0.0	0.0	3.2	6.5	3.2	16.1	22.6	9.7	0.0	3.2	3.2	3.2	6.5	16.1	0.0	100.
18	3.2	0.0	0.0	0.0	3.2	3.2	9.7	16.1	22.6	6.5	3.2	0.0	3.2	3.2	12.9	12.9	0.0	100.
19	6.5	3.2	3.2	0.0	3.2	0.0	6.5	9.7	38.7	3.2	0.0	0.0	3.2	6.5	9.7	6.5	0.0	100.
20	6.5	0.0	0.0	0.0	6.5	3.2	6.5	12.9	32.3	3.2	0.0	3.2	0.0	3.2	12.9	9.7	0.0	100.
21	12.9	0.0	0.0	0.0	3.2	3.2	12.9	12.9	25.8	9.7	0.0	3.2	0.0	3.2	9.7	3.2	0.0	100.
22	6.5	9.7	0.0	0.0	0.0	6.5	3.2	25.8	19.4	9.7	0.0	0.0	3.2	3.2	3.2	9.7	0.0	100.
23	12.9	3.2	0.0	0.0	6.5	3.2	6.5	19.4	19.4	12.9	0.0	0.0	3.2	3.2	3.2	6.5	0.0	100.
24	10.0	3.3	0.0	0.0	0.0	10.0	3.3	16.7	20.0	10.0	6.7	0.0	0.0	6.7	3.3	10.0	0.0	100.
ALL	7.3	4.7	1.3	0.8	2.3	3.9	7.8	14.3	19.7	7.4	4.4	1.5	1.6	5.0	8.2	9.8	0.0	100.

NUMBER OF OBS = 743

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION APR-JUN 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JUNE

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	0.0	0.0	0.0	0.0	3.3	3.3	16.7	13.3	20.0	10.0	0.0	6.7	3.3	10.0	10.0	3.3	0.0	100.
2	3.3	0.0	3.3	3.3	0.0	3.3	16.7	6.7	16.7	13.3	3.3	6.7	6.7	3.3	3.3	10.0	0.0	100.
3	6.7	0.0	3.3	0.0	3.3	6.7	10.0	0.0	23.3	13.3	3.3	10.0	6.7	3.3	6.7	3.3	0.0	100.
4	3.3	0.0	0.0	0.0	6.7	3.3	13.3	3.3	20.0	16.7	3.3	6.7	6.7	10.0	3.3	3.3	0.0	100.
5	0.0	0.0	0.0	3.3	3.3	6.7	3.3	6.7	23.3	13.3	3.3	10.0	10.0	3.3	3.3	10.0	0.0	100.
6	3.3	0.0	0.0	0.0	0.0	13.3	3.3	16.7	10.0	23.3	0.0	10.0	0.0	3.3	6.7	10.0	0.0	100.
7	6.7	3.3	0.0	3.3	0.0	6.7	3.3	13.3	16.7	20.0	3.3	0.0	6.7	3.3	6.7	6.7	0.0	100.
8	3.3	3.3	3.3	0.0	0.0	3.3	3.3	3.3	26.7	16.7	3.3	6.7	3.3	13.3	0.0	10.0	0.0	100.
9	6.7	3.3	0.0	0.0	3.3	3.3	6.7	0.0	23.3	16.7	6.7	0.0	10.0	6.7	6.7	6.7	0.0	100.
10	6.7	0.0	3.3	6.7	0.0	3.3	0.0	13.3	23.3	10.0	6.7	3.3	10.0	3.3	6.7	3.3	0.0	100.
11	6.7	3.3	3.3	0.0	0.0	6.7	3.3	16.7	16.7	6.7	0.0	10.0	10.0	3.3	3.3	10.0	0.0	100.
12	6.7	0.0	0.0	3.3	3.3	6.7	0.0	20.0	16.7	10.0	6.7	3.3	3.3	6.7	6.7	6.7	0.0	100.
13	10.0	0.0	0.0	0.0	6.7	6.7	3.3	13.3	20.0	10.0	6.7	0.0	3.3	6.7	0.0	13.3	0.0	100.
14	6.7	3.3	0.0	0.0	3.3	6.7	6.7	16.7	13.3	16.7	0.0	3.3	3.3	6.7	0.0	13.3	0.0	100.
15	3.3	6.7	0.0	3.3	3.3	0.0	10.0	13.3	20.0	13.3	0.0	3.3	0.0	6.7	0.0	16.7	0.0	100.
16	10.0	3.3	0.0	0.0	0.0	3.3	6.7	13.3	20.0	16.7	0.0	0.0	3.3	3.3	6.7	13.3	0.0	100.
17	6.7	0.0	6.7	3.3	0.0	3.3	6.7	13.3	20.0	10.0	0.0	6.7	0.0	0.0	10.0	13.3	0.0	100.
18	16.7	6.7	3.3	0.0	0.0	3.3	0.0	16.7	23.3	6.7	0.0	6.7	0.0	0.0	10.0	6.7	0.0	100.
19	6.7	0.0	6.7	6.7	6.7	3.3	3.3	3.3	26.7	10.0	6.7	0.0	0.0	0.0	10.0	10.0	0.0	100.
20	6.7	3.3	0.0	0.0	10.0	0.0	6.7	13.3	26.7	3.3	6.7	0.0	3.3	3.3	10.0	6.7	0.0	100.
21	3.3	3.3	0.0	3.3	10.0	3.3	6.7	16.7	20.0	0.0	10.0	0.0	0.0	6.7	6.7	10.0	0.0	100.
22	0.0	6.7	3.3	3.3	0.0	6.7	6.7	20.0	20.0	6.7	0.0	6.7	0.0	10.0	0.0	10.0	0.0	100.
23	0.0	0.0	0.0	6.7	0.0	6.7	13.3	16.7	16.7	6.7	3.3	10.0	6.7	3.3	0.0	10.0	0.0	100.
24	0.0	3.3	0.0	3.3	3.3	3.3	6.7	23.3	13.3	10.0	3.3	10.0	3.3	6.7	3.3	6.7	0.0	100.
ALL	5.1	2.1	1.5	2.1	2.8	4.7	6.5	12.2	19.9	11.7	3.2	5.0	4.2	5.1	5.0	8.9	0.0	100.

NUMBER OF OBS = 720

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION APR-JUN 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

APR-JUN

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	4.4	2.2	0.0	1.1	2.2	5.5	11.0	14.3	15.4	5.5	5.5	3.3	2.2	8.8	12.1	6.6	0.0	100.
2	6.7	3.3	2.2	1.1	3.3	5.6	12.2	6.7	16.7	7.8	5.6	2.2	2.2	5.6	11.1	7.8	0.0	100.
3	5.5	2.2	3.3	1.1	4.4	6.6	7.7	6.6	16.5	7.7	5.5	4.4	3.3	4.4	13.2	7.7	0.0	100.
4	8.8	4.4	1.1	1.1	5.5	5.5	8.8	9.9	15.4	6.6	5.5	4.4	4.4	3.3	9.9	5.5	0.0	100.
5	7.7	3.3	1.1	2.2	3.3	4.4	7.7	7.7	19.8	6.6	5.5	5.5	5.5	1.1	11.0	7.7	0.0	100.
6	6.6	3.3	2.2	1.1	3.3	5.5	7.7	11.0	16.5	8.8	4.4	4.4	0.0	6.6	8.8	9.9	0.0	100.
7	8.8	2.2	3.3	2.2	3.3	3.3	7.7	11.0	15.4	12.1	3.3	1.1	3.3	6.6	8.8	7.7	0.0	100.
8	4.4	4.4	1.1	2.2	3.3	2.2	8.8	8.8	14.3	13.2	3.3	6.6	1.1	7.7	7.7	11.0	0.0	100.
9	5.5	2.2	1.1	2.2	5.5	2.2	7.7	6.6	17.6	8.8	4.4	4.4	6.6	5.5	8.8	11.0	0.0	100.
10	5.5	2.2	1.1	3.3	3.3	4.4	6.6	13.2	14.3	8.8	4.4	3.3	6.6	5.5	7.7	9.9	0.0	100.
11	7.7	2.2	2.2	1.1	1.1	8.8	5.5	13.2	14.3	6.6	1.1	4.4	8.8	4.4	7.7	11.0	0.0	100.
12	7.7	1.1	2.2	2.2	3.3	5.5	7.7	14.3	15.4	6.6	3.3	2.2	6.6	5.5	7.7	8.8	0.0	100.
13	7.7	2.2	0.0	1.1	5.5	4.4	5.5	14.3	16.5	5.5	4.4	2.2	5.5	7.7	6.6	11.0	0.0	100.
14	6.6	4.4	1.1	1.1	2.2	5.5	5.5	14.3	15.4	8.8	3.3	3.3	4.4	6.6	6.6	11.0	0.0	100.
15	4.4	3.3	3.3	3.3	1.1	2.2	9.9	11.0	17.6	8.8	4.4	4.4	2.2	4.4	6.6	13.2	0.0	100.
16	4.4	2.2	3.3	1.1	2.2	4.4	6.6	12.1	18.7	11.0	1.1	3.3	2.2	5.5	5.5	16.5	0.0	100.
17	3.3	3.3	3.3	1.1	1.1	6.6	6.6	14.3	19.8	6.6	2.2	6.6	1.1	2.2	5.5	16.5	0.0	100.
18	7.7	2.2	2.2	1.1	2.2	4.4	9.9	12.1	20.9	5.5	3.3	3.3	1.1	1.1	9.9	13.2	0.0	100.
19	6.6	1.1	4.4	3.3	5.5	2.2	7.7	6.6	29.7	5.5	3.3	1.1	1.1	2.2	7.7	12.1	0.0	100.
20	6.6	1.1	0.0	1.1	9.9	2.2	6.6	13.2	26.4	4.4	3.3	1.1	1.1	2.2	11.0	9.9	0.0	100.
21	6.6	1.1	2.2	1.1	8.8	3.3	8.8	13.2	20.9	6.6	5.5	1.1	0.0	3.3	9.9	7.7	0.0	100.
22	2.2	6.6	1.1	2.2	2.2	7.7	5.5	18.7	17.6	9.9	1.1	2.2	1.1	5.5	6.6	9.9	0.0	100.
23	4.4	4.4	0.0	2.2	3.3	6.6	7.7	15.4	18.7	8.8	2.2	4.4	4.4	2.2	5.5	9.9	0.0	100.
24	5.6	3.3	0.0	1.1	2.2	6.7	6.7	15.6	16.7	8.9	4.4	4.4	2.2	5.6	4.4	12.2	0.0	100.
ALL	6.0	2.8	1.7	1.7	3.7	4.8	7.7	11.8	17.9	7.9	3.8	3.5	3.2	4.7	8.3	10.3	0.0	100.

NUMBER OF OBS = 2182

B55

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JAN-JUN 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JAN-JUN

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	6.0	2.7	2.7	1.1	3.8	5.5	9.3	11.5	13.2	5.5	7.1	2.7	3.8	6.0	12.1	6.6	0.0	100.
2	7.7	4.4	2.8	2.2	2.8	6.1	8.8	7.7	12.7	10.5	5.0	1.7	3.3	6.1	10.5	7.7	0.0	100.
3	8.2	2.7	3.3	2.2	3.8	7.7	6.0	7.1	13.7	7.7	6.0	2.7	4.4	4.9	11.5	7.7	0.0	100.
4	9.3	3.3	1.6	3.3	3.3	8.2	6.0	10.4	12.6	7.7	4.4	3.3	4.4	3.8	12.1	6.0	0.0	100.
5	10.4	2.2	2.2	2.7	3.3	6.0	5.5	9.9	15.4	6.0	5.5	4.9	3.8	3.3	11.5	7.1	0.0	100.
6	7.7	3.3	3.3	2.7	2.7	7.1	5.5	10.4	14.8	7.7	3.3	4.4	2.2	5.5	8.2	11.0	0.0	100.
7	8.8	2.7	2.2	2.7	5.5	3.8	6.6	10.4	14.8	7.1	4.9	3.3	2.2	5.5	9.9	9.3	0.0	100.
8	6.6	2.7	1.6	1.6	4.9	5.5	6.0	10.4	12.6	9.3	5.5	5.5	1.6	5.5	10.4	9.9	0.0	100.
9	7.7	2.8	2.2	1.1	5.5	5.0	5.5	7.2	16.0	8.3	6.1	3.3	5.0	3.9	9.9	10.5	0.0	100.
10	8.3	3.3	1.7	1.7	3.9	6.6	5.0	9.4	13.8	9.9	6.6	3.3	5.0	3.9	6.6	11.0	0.0	100.
11	8.3	2.8	2.2	0.6	2.8	8.3	6.6	8.3	12.7	10.5	3.3	4.4	5.5	3.3	7.7	12.7	0.0	100.
12	9.4	2.8	1.7	1.1	2.2	7.7	6.6	11.0	14.9	8.8	4.4	3.3	3.9	5.0	6.1	11.0	0.0	100.
13	10.5	2.2	1.1	1.1	3.9	5.0	6.1	8.8	15.5	9.9	4.4	3.9	4.4	7.2	5.0	11.0	0.0	100.
14	7.7	3.9	1.7	1.7	2.8	4.4	7.2	8.8	12.2	12.7	2.8	5.0	3.9	6.1	6.6	12.7	0.0	100.
15	7.2	1.7	2.8	2.2	2.8	3.3	8.9	6.7	15.0	10.0	5.0	5.0	2.2	5.0	9.4	12.8	0.0	100.
16	6.7	3.3	2.2	2.8	4.4	3.3	6.7	7.2	13.9	12.2	3.9	2.2	4.4	4.4	7.8	14.4	0.0	100.
17	3.9	5.0	3.3	2.8	2.8	3.9	6.1	9.4	14.4	9.4	3.9	6.1	2.2	3.9	6.6	16.6	0.0	100.
18	7.7	2.7	3.8	3.3	3.3	3.3	7.7	9.9	13.2	6.6	5.5	3.8	2.7	2.2	8.2	15.9	0.0	100.
19	7.1	3.3	3.3	3.3	6.6	4.4	6.0	8.2	16.5	7.1	3.8	3.3	2.7	2.2	5.5	16.5	0.0	100.
20	7.7	3.3	1.6	2.7	8.8	3.3	5.5	11.5	15.9	6.0	4.9	1.1	4.4	1.6	9.9	11.5	0.0	100.
21	6.6	3.3	2.2	2.2	7.7	4.9	7.1	12.6	15.9	7.1	3.8	1.1	1.6	3.8	9.3	10.4	0.0	100.
22	4.9	5.5	2.7	2.7	1.6	10.4	6.0	12.1	16.5	8.2	1.1	2.2	1.6	6.6	8.2	9.3	0.0	100.
23	4.9	4.4	3.3	2.2	3.8	6.6	9.3	10.4	15.4	8.2	2.7	3.3	4.4	2.7	7.7	10.4	0.0	100.
24	7.7	2.8	3.3	1.7	2.2	6.6	7.7	12.2	13.8	7.2	5.5	3.3	3.3	6.1	7.2	9.4	0.0	100.
ALL	7.6	3.2	2.5	2.2	4.0	5.7	6.8	9.7	14.4	8.5	4.6	3.5	3.5	4.5	8.7	10.9	0.0	100.

NUMBER OF OBS = 4355

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JUL-SEP 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JULY

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	9.7	6.5	3.2	6.5	6.5	3.2	9.7	6.5	29.0	6.5	6.5	3.2	0.0	0.0	0.0	3.2	0.0	100.
2	9.7	6.5	9.7	3.2	0.0	6.5	12.9	0.0	25.8	16.1	0.0	3.2	0.0	3.2	0.0	0.0	3.2	100.
3	16.1	9.7	3.2	3.2	6.5	9.7	6.5	6.5	16.1	12.9	3.2	0.0	0.0	6.5	0.0	0.0	0.0	100.
4	19.4	3.2	9.7	3.2	6.5	6.5	6.5	3.2	19.4	12.9	0.0	0.0	0.0	3.2	0.0	6.5	0.0	100.
5	12.9	6.5	3.2	3.2	0.0	19.4	9.7	3.2	19.4	12.9	0.0	0.0	0.0	0.0	0.0	9.7	0.0	100.
6	6.5	6.5	6.5	0.0	0.0	12.9	6.5	16.1	12.9	9.7	3.2	3.2	0.0	0.0	3.2	12.9	0.0	100.
7	6.5	9.7	6.5	0.0	6.5	9.7	6.5	6.5	22.6	6.5	0.0	3.2	3.2	3.2	0.0	9.7	0.0	100.
8	6.5	9.7	3.2	0.0	6.5	9.7	6.5	16.1	9.7	12.9	3.2	0.0	3.2	0.0	3.2	9.7	0.0	100.
9	3.2	6.5	6.5	3.2	6.5	6.5	0.0	9.7	22.6	16.1	3.2	0.0	0.0	3.2	0.0	12.9	0.0	100.
10	12.9	6.5	6.5	0.0	3.2	9.7	6.5	0.0	22.6	12.9	3.2	6.5	0.0	3.2	0.0	6.5	0.0	100.
11	9.7	9.7	3.2	6.5	3.2	6.5	9.7	0.0	19.4	16.1	0.0	3.2	0.0	0.0	3.2	9.7	0.0	100.
12	9.7	3.2	6.5	9.7	3.2	6.5	6.5	6.5	25.8	9.7	0.0	3.2	0.0	0.0	0.0	9.7	0.0	100.
13	9.7	6.5	3.2	9.7	3.2	6.5	6.5	9.7	19.4	12.9	3.2	0.0	0.0	0.0	3.2	6.5	0.0	100.
14	12.9	6.5	6.5	3.2	3.2	6.5	3.2	16.1	12.9	12.9	6.5	0.0	0.0	0.0	0.0	9.7	0.0	100.
15	16.1	6.5	3.2	3.2	3.2	6.5	12.9	6.5	16.1	9.7	0.0	6.5	0.0	0.0	3.2	6.5	0.0	100.
16	16.1	9.7	6.5	3.2	3.2	6.5	3.2	22.6	12.9	6.5	3.2	0.0	3.2	0.0	0.0	3.2	0.0	100.
17	12.9	9.7	9.7	3.2	9.7	0.0	12.9	19.4	9.7	3.2	3.2	0.0	0.0	0.0	0.0	6.5	0.0	100.
18	9.7	16.1	9.7	3.2	0.0	6.5	22.6	12.9	6.5	6.5	0.0	0.0	0.0	3.2	0.0	3.2	0.0	100.
19	3.2	12.9	16.1	3.2	3.2	9.7	22.6	12.9	0.0	3.2	3.2	0.0	3.2	0.0	0.0	6.5	0.0	100.
20	9.7	9.7	12.9	3.2	6.5	9.7	19.4	16.1	3.2	3.2	0.0	3.2	0.0	0.0	0.0	3.2	0.0	100.
21	9.7	6.5	9.7	6.5	3.2	12.9	19.4	19.4	3.2	3.2	3.2	0.0	0.0	0.0	0.0	3.2	0.0	100.
22	12.9	3.2	12.9	3.2	3.2	12.9	12.9	19.4	9.7	3.2	3.2	0.0	0.0	0.0	0.0	3.2	0.0	100.
23	9.7	3.2	9.7	3.2	0.0	16.1	16.1	16.1	19.4	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	100.
24	3.2	16.1	3.2	0.0	3.2	9.7	12.9	12.9	22.6	9.7	6.5	0.0	0.0	0.0	0.0	0.0	0.0	100.
ALL	10.3	7.9	7.1	3.5	3.8	8.7	10.5	10.8	15.9	9.3	2.4	1.5	0.5	1.1	0.7	5.9	0.1	100.

NUMBER OF OBS = 744

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JUL-SEP 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

AUGUST

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	3.2	3.2	0.0	6.5	16.1	19.4	16.1	9.7	6.5	12.9	0.0	3.2	3.2	0.0	0.0	0.0	0.0	100.
2	3.2	3.2	3.2	0.0	3.2	22.6	25.8	6.5	9.7	9.7	0.0	9.7	0.0	0.0	0.0	3.2	0.0	100.
3	6.5	3.2	3.2	0.0	9.7	12.9	25.8	6.5	9.7	9.7	9.7	3.2	0.0	0.0	0.0	0.0	0.0	100.
4	9.7	3.2	3.2	3.2	6.5	19.4	16.1	9.7	3.2	3.2	9.7	6.5	6.5	0.0	0.0	0.0	0.0	100.
5	6.5	0.0	6.5	0.0	3.2	22.6	9.7	16.1	9.7	0.0	16.1	3.2	0.0	3.2	3.2	0.0	0.0	100.
6	6.5	3.2	3.2	3.2	6.5	16.1	9.7	9.7	12.9	6.5	16.1	3.2	0.0	3.2	0.0	0.0	0.0	100.
7	6.5	3.2	0.0	6.5	3.2	12.9	16.1	9.7	12.9	6.5	3.2	9.7	3.2	6.5	0.0	0.0	0.0	100.
8	9.7	0.0	9.7	0.0	0.0	16.1	16.1	9.7	12.9	3.2	6.5	6.5	0.0	0.0	3.2	6.5	0.0	100.
9	3.2	3.2	6.5	3.2	3.2	12.9	12.9	12.9	12.9	9.7	0.0	6.5	0.0	3.2	0.0	9.7	0.0	100.
10	3.2	9.7	0.0	9.7	0.0	9.7	19.4	9.7	12.9	9.7	6.5	0.0	0.0	3.2	0.0	6.5	0.0	100.
11	6.5	0.0	6.5	3.2	6.5	9.7	16.1	12.9	16.1	6.5	6.5	0.0	0.0	0.0	0.0	9.7	0.0	100.
12	6.7	3.3	0.0	3.3	6.7	26.7	10.0	10.0	6.7	6.7	6.7	0.0	0.0	3.3	3.3	6.7	0.0	100.
13	10.0	13.3	0.0	0.0	10.0	16.7	16.7	3.3	6.7	6.7	10.0	0.0	0.0	0.0	3.3	3.3	0.0	100.
14	10.0	6.7	6.7	3.3	10.0	16.7	10.0	13.3	0.0	10.0	10.0	0.0	0.0	0.0	0.0	3.3	0.0	100.
15	10.0	3.3	13.3	3.3	6.7	23.3	6.7	10.0	3.3	10.0	6.7	0.0	0.0	0.0	0.0	3.3	0.0	100.
16	3.2	6.5	9.7	6.5	6.5	22.6	9.7	9.7	6.5	12.9	3.2	0.0	0.0	0.0	0.0	3.2	0.0	100.
17	12.9	0.0	9.7	3.2	9.7	19.4	19.4	9.7	0.0	3.2	9.7	0.0	0.0	0.0	0.0	3.2	0.0	100.
18	3.2	3.2	3.2	16.1	6.5	19.4	9.7	6.5	9.7	9.7	3.2	0.0	0.0	0.0	0.0	9.7	0.0	100.
19	9.7	0.0	3.2	9.7	9.7	25.8	9.7	3.2	9.7	6.5	6.5	0.0	0.0	0.0	3.2	3.2	0.0	100.
20	0.0	9.7	3.2	9.7	12.9	22.6	6.5	9.7	6.5	6.5	6.5	0.0	0.0	0.0	0.0	6.5	0.0	100.
21	3.2	3.2	6.5	9.7	16.1	19.4	6.5	9.7	9.7	6.5	3.2	3.2	0.0	0.0	0.0	3.2	0.0	100.
22	3.2	0.0	6.5	16.1	16.1	16.1	6.5	9.7	9.7	3.2	3.2	0.0	3.2	0.0	3.2	3.2	0.0	100.
23	6.5	0.0	3.2	12.9	9.7	29.0	6.5	9.7	6.5	3.2	6.5	3.2	0.0	0.0	0.0	3.2	0.0	100.
24	3.2	6.5	0.0	9.7	16.1	12.9	12.9	12.9	6.5	6.5	0.0	6.5	0.0	0.0	0.0	6.5	0.0	100.
ALL	6.1	3.6	4.5	5.8	8.1	18.5	13.1	9.6	8.4	7.0	6.2	2.7	0.7	0.9	0.8	3.9	0.0	100.

NUMBER OF OBS = 740

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JUL-SEP 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

SEPTEMBR

WIND DIRECTION																		
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	4.3	4.3	4.3	0.0	13.0	4.3	4.3	13.0	21.7	8.7	4.3	0.0	0.0	0.0	8.7	8.7	0.0	100.
2	8.7	4.3	0.0	0.0	13.0	8.7	4.3	13.0	21.7	8.7	0.0	4.3	0.0	0.0	8.7	4.3	0.0	100.
3	8.7	0.0	0.0	0.0	8.7	13.0	4.3	8.7	17.4	8.7	8.7	4.3	0.0	0.0	4.3	13.0	0.0	100.
4	13.0	0.0	0.0	0.0	4.3	13.0	4.3	4.3	13.0	13.0	8.7	4.3	4.3	4.3	4.3	8.7	0.0	100.
5	13.0	0.0	0.0	0.0	8.7	8.7	8.7	8.7	8.7	13.0	4.3	8.7	4.3	0.0	4.3	8.7	0.0	100.
6	8.7	4.3	0.0	0.0	8.7	4.3	13.0	13.0	17.4	0.0	4.3	13.0	0.0	4.3	4.3	4.3	0.0	100.
7	8.7	4.3	0.0	0.0	0.0	13.0	13.0	13.0	17.4	4.3	8.7	8.7	0.0	0.0	4.3	4.3	0.0	100.
8	8.7	0.0	0.0	4.3	4.3	8.7	4.3	8.7	30.4	4.3	8.7	8.7	0.0	0.0	4.3	4.3	0.0	100.
9	8.7	0.0	0.0	0.0	4.3	8.7	8.7	8.7	13.0	21.7	4.3	4.3	8.7	0.0	0.0	8.7	0.0	100.
10	4.3	0.0	4.3	4.3	0.0	8.7	8.7	8.7	13.0	13.0	4.3	8.7	0.0	4.3	8.7	8.7	0.0	100.
11	8.7	0.0	4.3	4.3	0.0	4.3	8.7	13.0	13.0	8.7	8.7	0.0	0.0	4.3	13.0	8.7	0.0	100.
12	13.0	4.3	0.0	4.3	4.3	4.3	17.4	4.3	13.0	8.7	0.0	8.7	0.0	0.0	4.3	13.0	0.0	100.
13	13.0	0.0	0.0	0.0	4.3	8.7	13.0	8.7	13.0	4.3	4.3	4.3	0.0	4.3	4.3	17.4	0.0	100.
14	12.5	4.2	0.0	0.0	4.2	4.2	8.3	12.5	16.7	4.2	4.2	4.2	0.0	12.5	0.0	12.5	0.0	100.
15	8.7	4.3	4.3	0.0	4.3	4.3	8.7	13.0	26.1	0.0	4.3	0.0	0.0	4.3	4.3	13.0	0.0	100.
16	8.7	4.3	0.0	4.3	4.3	8.7	13.0	8.7	17.4	4.3	4.3	0.0	0.0	0.0	4.3	17.4	0.0	100.
17	4.3	0.0	0.0	4.3	8.7	4.3	13.0	4.3	26.1	4.3	0.0	0.0	0.0	0.0	4.3	26.1	0.0	100.
18	17.4	4.3	0.0	4.3	8.7	4.3	13.0	4.3	26.1	4.3	0.0	0.0	0.0	0.0	4.3	8.7	0.0	100.
19	8.7	4.3	0.0	0.0	8.7	8.7	13.0	21.7	8.7	4.3	0.0	0.0	0.0	0.0	4.3	17.4	0.0	100.
20	4.3	0.0	4.3	0.0	8.7	13.0	4.3	17.4	17.4	4.3	0.0	4.3	0.0	0.0	0.0	21.7	0.0	100.
21	13.0	0.0	0.0	4.3	8.7	13.0	4.3	21.7	17.4	0.0	4.3	0.0	0.0	0.0	4.3	8.7	0.0	100.
22	8.7	4.3	0.0	4.3	13.0	4.3	13.0	13.0	21.7	4.3	0.0	0.0	0.0	0.0	0.0	13.0	0.0	100.
23	4.3	0.0	4.3	4.3	13.0	4.3	13.0	8.7	30.4	0.0	4.3	0.0	0.0	0.0	0.0	13.0	0.0	100.
24	4.3	0.0	4.3	8.7	8.7	4.3	8.7	13.0	13.0	13.0	4.3	0.0	0.0	0.0	8.7	8.7	0.0	100.
ALL	9.0	2.0	1.3	2.2	6.9	7.6	9.4	11.0	18.1	6.7	4.0	3.6	0.7	1.6	4.5	11.4	0.0	100.

NUMBER OF OBS = 553

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JUL-SEP 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JUL-SEP

		WIND DIRECTION																
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	5.9	4.7	2.4	4.7	11.8	9.4	10.6	9.4	18.8	9.4	3.5	2.4	1.2	0.0	2.4	3.5	0.0	100.
2	7.1	4.7	4.7	1.2	4.7	12.9	15.3	5.9	18.8	11.8	0.0	5.9	0.0	1.2	2.4	2.4	1.2	100.
3	10.6	4.7	2.4	1.2	8.2	11.8	12.9	7.1	14.1	10.6	7.1	2.4	0.0	2.4	1.2	3.5	0.0	100.
4	14.1	2.4	4.7	2.4	5.9	12.9	9.4	5.9	11.8	9.4	5.9	3.5	3.5	2.4	1.2	4.7	0.0	100.
5	10.6	2.4	3.5	1.2	3.5	17.6	9.4	9.4	12.9	8.2	7.1	3.5	1.2	1.2	2.4	5.9	0.0	100.
6	7.1	4.7	3.5	1.2	4.7	11.8	9.4	12.9	14.1	5.9	8.2	5.9	0.0	2.4	2.4	5.9	0.0	100.
7	7.1	5.9	2.4	2.4	3.5	11.8	11.8	9.4	17.6	5.9	3.5	7.1	2.4	3.5	1.2	4.7	0.0	100.
8	8.2	3.5	4.7	1.2	3.5	11.8	9.4	11.8	16.5	7.1	5.9	4.7	1.2	0.0	3.5	7.1	0.0	100.
9	4.7	3.5	4.7	2.4	4.7	9.4	7.1	10.6	16.5	15.3	2.4	3.5	2.4	2.4	0.0	10.6	0.0	100.
10	7.1	5.9	3.5	4.7	1.2	9.4	11.8	5.9	16.5	11.8	4.7	4.7	0.0	3.5	2.4	7.1	0.0	100.
11	8.2	3.5	4.7	4.7	3.5	7.1	11.8	8.2	16.5	10.6	4.7	1.2	0.0	1.2	4.7	9.4	0.0	100.
12	9.5	3.6	2.4	6.0	4.8	13.1	10.7	7.1	15.5	8.3	2.4	3.6	0.0	1.2	2.4	9.5	0.0	100.
13	10.7	7.1	1.2	3.6	6.0	10.7	11.9	7.1	13.1	8.3	6.0	1.2	0.0	1.2	3.6	8.3	0.0	100.
14	11.8	5.9	4.7	2.4	5.9	9.4	7.1	14.1	9.4	9.4	7.1	1.2	0.0	3.5	0.0	8.2	0.0	100.
15	11.9	4.8	7.1	2.4	4.8	11.9	9.5	9.5	14.3	7.1	3.6	2.4	0.0	1.2	2.4	7.1	0.0	100.
16	9.4	7.1	5.9	4.7	4.7	12.9	8.2	14.1	11.8	8.2	3.5	0.0	1.2	0.0	1.2	7.1	0.0	100.
17	10.6	3.5	7.1	3.5	9.4	8.2	15.3	11.8	10.6	3.5	4.7	0.0	0.0	0.0	1.2	10.6	0.0	100.
18	9.4	8.2	4.7	8.2	4.7	10.6	15.3	8.2	12.9	7.1	1.2	0.0	0.0	1.2	1.2	7.1	0.0	100.
19	7.1	5.9	7.1	4.7	7.1	15.3	15.3	11.8	5.9	4.7	3.5	0.0	1.2	0.0	2.4	8.2	0.0	100.
20	4.7	7.1	7.1	4.7	9.4	15.3	10.6	14.1	8.2	4.7	2.4	2.4	0.0	0.0	0.0	9.4	0.0	100.
21	8.2	3.5	5.9	7.1	9.4	15.3	10.6	16.5	9.4	3.5	3.5	1.2	0.0	0.0	1.2	4.7	0.0	100.
22	8.2	2.4	7.1	8.2	10.6	11.8	10.6	14.1	12.9	3.5	2.4	0.0	1.2	0.0	1.2	5.9	0.0	100.
23	7.1	1.2	5.9	7.1	7.1	17.6	11.8	11.8	17.6	2.4	4.7	1.2	0.0	0.0	0.0	4.7	0.0	100.
24	3.5	8.2	2.4	5.9	9.4	9.4	11.8	12.9	14.1	9.4	3.5	2.4	0.0	0.0	2.4	4.7	0.0	100.
ALL	8.4	4.8	4.6	4.0	6.2	12.0	11.1	10.4	13.7	7.8	4.2	2.5	0.6	1.2	1.8	6.7	0.0	100.

NUMBER OF OBS = 2037

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION OCT-DEC 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

OCTOBER

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	3.4	3.4	0.0	3.4	3.4	3.4	0.0	10.3	27.6	20.7	10.3	3.4	0.0	0.0	3.4	6.9	0.0	100.
2	3.6	0.0	3.6	0.0	3.6	3.6	3.6	7.1	17.9	32.1	7.1	3.6	3.6	0.0	0.0	10.7	0.0	100.
3	3.4	0.0	0.0	3.4	3.4	6.9	3.4	6.9	20.7	27.6	6.9	3.4	0.0	0.0	0.0	13.8	0.0	100.
4	6.9	3.4	0.0	0.0	3.4	6.9	3.4	10.3	20.7	24.1	6.9	0.0	0.0	3.4	3.4	6.9	0.0	100.
5	0.0	3.4	3.4	0.0	3.4	10.3	3.4	10.3	17.2	17.2	13.8	0.0	0.0	3.4	3.4	10.3	0.0	100.
6	0.0	3.4	3.4	0.0	0.0	10.3	6.9	17.2	10.3	17.2	13.8	0.0	3.4	0.0	3.4	10.3	0.0	100.
7	6.9	0.0	3.4	0.0	3.4	13.8	3.4	13.8	17.2	20.7	3.4	3.4	0.0	6.9	0.0	3.4	0.0	100.
8	3.4	3.4	3.4	3.4	3.4	6.9	6.9	6.9	27.6	17.2	3.4	0.0	3.4	0.0	3.4	6.9	0.0	100.
9	10.3	3.4	0.0	0.0	3.4	6.9	6.9	3.4	24.1	20.7	3.4	6.9	0.0	0.0	0.0	10.3	0.0	100.
10	10.3	3.4	0.0	0.0	0.0	10.3	6.9	3.4	17.2	24.1	13.8	0.0	0.0	0.0	0.0	10.3	0.0	100.
11	3.4	0.0	6.9	0.0	0.0	6.9	13.8	0.0	20.7	17.2	10.3	3.4	3.4	0.0	0.0	13.8	0.0	100.
12	3.4	0.0	6.9	3.4	0.0	6.9	10.3	3.4	27.6	10.3	6.9	0.0	0.0	0.0	3.4	17.2	0.0	100.
13	3.4	0.0	3.4	0.0	3.4	6.9	6.9	10.3	24.1	20.7	3.4	0.0	0.0	0.0	3.4	13.8	0.0	100.
14	3.4	0.0	10.3	0.0	0.0	3.4	6.9	20.7	17.2	13.8	6.9	0.0	0.0	0.0	3.4	13.8	0.0	100.
15	0.0	7.1	0.0	3.6	0.0	3.6	7.1	14.3	28.6	14.3	3.6	0.0	0.0	0.0	3.6	14.3	0.0	100.
16	3.6	3.6	3.6	0.0	0.0	3.6	10.7	17.9	17.9	17.9	3.6	0.0	0.0	3.6	0.0	14.3	0.0	100.
17	0.0	0.0	6.9	3.4	0.0	6.9	6.9	17.2	17.2	17.2	3.4	0.0	0.0	3.4	0.0	17.2	0.0	100.
18	6.9	3.4	3.4	3.4	0.0	6.9	10.3	27.6	6.9	17.2	0.0	3.4	0.0	3.4	0.0	6.9	0.0	100.
19	6.9	0.0	3.4	3.4	3.4	6.9	10.3	31.0	17.2	3.4	0.0	0.0	3.4	0.0	0.0	10.3	0.0	100.
20	13.8	0.0	0.0	3.4	6.9	3.4	10.3	24.1	13.8	13.8	3.4	0.0	3.4	0.0	0.0	3.4	0.0	100.
21	3.4	3.4	3.4	3.4	0.0	10.3	6.9	31.0	10.3	13.8	0.0	3.4	0.0	0.0	3.4	6.9	0.0	100.
22	0.0	0.0	3.4	6.9	0.0	3.4	13.8	27.6	17.2	6.9	3.4	0.0	3.4	0.0	3.4	10.3	0.0	100.
23	3.4	0.0	0.0	13.8	0.0	3.4	3.4	34.5	13.8	10.3	6.9	0.0	0.0	0.0	3.4	6.9	0.0	100.
24	3.4	0.0	3.4	6.9	3.4	3.4	3.4	13.8	27.6	20.7	3.4	0.0	0.0	0.0	0.0	10.3	0.0	100.
ALL	4.3	1.7	3.0	2.6	1.9	6.5	6.9	15.2	19.2	17.5	5.8	1.3	1.0	1.0	1.7	10.4	0.0	100.

NUMBER OF OBS = 693

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION OCT-DEC 2000

PROGRAM: WINPER

VERSION: 2P

HOURLY WIND ROSES (PERCENT)

NOVEMBER

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	6.7	6.7	0.0	0.0	0.0	3.3	6.7	6.7	3.3	6.7	0.0	6.7	13.3	20.0	13.3	6.7	0.0	100.
2	10.0	0.0	0.0	0.0	3.3	3.3	6.7	6.7	6.7	6.7	3.3	3.3	16.7	13.3	13.3	6.7	0.0	100.
3	6.7	0.0	0.0	0.0	3.3	3.3	0.0	13.3	10.0	3.3	3.3	3.3	16.7	10.0	16.7	10.0	0.0	100.
4	3.3	0.0	0.0	3.3	0.0	0.0	3.3	6.7	10.0	6.7	6.7	3.3	16.7	16.7	10.0	13.3	0.0	100.
5	0.0	0.0	0.0	0.0	3.3	0.0	6.7	3.3	13.3	3.3	0.0	0.0	16.7	26.7	10.0	16.7	0.0	100.
6	3.3	0.0	0.0	0.0	0.0	3.3	10.0	13.3	3.3	0.0	0.0	0.0	20.0	23.3	6.7	16.7	0.0	100.
7	3.3	0.0	0.0	0.0	0.0	3.3	3.3	16.7	6.7	0.0	0.0	3.3	20.0	16.7	10.0	16.7	0.0	100.
8	6.7	0.0	0.0	0.0	0.0	3.3	6.7	10.0	10.0	0.0	0.0	3.3	13.3	23.3	6.7	16.7	0.0	100.
9	6.7	0.0	0.0	0.0	0.0	6.7	3.3	3.3	16.7	0.0	0.0	3.3	20.0	13.3	10.0	16.7	0.0	100.
10	0.0	3.3	0.0	0.0	3.3	0.0	6.7	6.7	13.3	0.0	0.0	3.3	16.7	13.3	16.7	16.7	0.0	100.
11	3.3	3.3	0.0	3.3	3.3	3.3	3.3	3.3	13.3	3.3	0.0	3.3	16.7	10.0	23.3	6.7	0.0	100.
12	6.7	0.0	0.0	0.0	0.0	3.3	6.7	6.7	10.0	3.3	3.3	3.3	23.3	6.7	16.7	10.0	0.0	100.
13	0.0	3.3	0.0	3.3	0.0	3.3	3.3	6.7	10.0	0.0	0.0	10.0	20.0	10.0	20.0	10.0	0.0	100.
14	0.0	3.3	3.3	6.7	0.0	0.0	6.7	6.7	3.3	3.3	3.3	3.3	20.0	13.3	20.0	6.7	0.0	100.
15	0.0	6.7	3.3	0.0	6.7	3.3	3.3	6.7	3.3	3.3	3.3	6.7	10.0	10.0	26.7	6.7	0.0	100.
16	10.0	3.3	3.3	0.0	3.3	0.0	3.3	6.7	6.7	3.3	3.3	10.0	10.0	10.0	16.7	10.0	0.0	100.
17	16.7	0.0	0.0	3.3	3.3	0.0	3.3	6.7	6.7	6.7	0.0	6.7	13.3	6.7	16.7	10.0	0.0	100.
18	0.0	10.0	0.0	0.0	0.0	0.0	6.7	6.7	13.3	3.3	3.3	3.3	10.0	10.0	13.3	20.0	0.0	100.
19	10.0	3.3	3.3	0.0	0.0	0.0	10.0	6.7	3.3	10.0	3.3	3.3	10.0	10.0	13.3	13.3	0.0	100.
20	3.3	3.3	0.0	3.3	0.0	3.3	3.3	13.3	0.0	0.0	6.7	10.0	6.7	20.0	6.7	20.0	0.0	100.
21	6.7	0.0	0.0	0.0	3.3	3.3	3.3	6.7	6.7	3.3	3.3	6.7	13.3	13.3	16.7	13.3	0.0	100.
22	13.3	0.0	0.0	0.0	0.0	6.7	3.3	6.7	3.3	3.3	6.7	3.3	10.0	20.0	16.7	6.7	0.0	100.
23	6.7	6.7	0.0	0.0	0.0	6.7	3.3	6.7	3.3	3.3	3.3	10.0	13.3	13.3	20.0	3.3	0.0	100.
24	10.0	0.0	3.3	0.0	0.0	6.7	3.3	6.7	6.7	0.0	3.3	6.7	20.0	16.7	10.0	6.7	0.0	100.
ALL	5.6	2.2	0.7	1.0	1.4	2.8	4.9	7.6	7.6	3.1	2.4	4.9	15.3	14.4	14.6	11.7	0.0	100.

NUMBER OF OBS = 720

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION OCT-DEC 2000

PROGRAM: WINPER

VERSION: 2P

HOURLY WIND ROSES (PERCENT)

DECEMBER

WIND DIRECTION																		
HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	6.5	0.0	0.0	3.2	3.2	3.2	12.9	9.7	6.5	9.7	6.5	0.0	0.0	3.2	25.8	9.7	0.0	100.
2	6.5	0.0	3.2	3.2	0.0	6.5	9.7	12.9	0.0	6.5	6.5	0.0	6.5	3.2	19.4	16.1	0.0	100.
3	3.2	0.0	3.2	3.2	0.0	0.0	6.5	19.4	3.2	0.0	9.7	0.0	0.0	9.7	19.4	22.6	0.0	100.
4	3.2	3.2	3.2	0.0	0.0	0.0	9.7	9.7	6.5	3.2	9.7	0.0	0.0	6.5	19.4	25.8	0.0	100.
5	6.5	3.2	0.0	3.2	0.0	3.2	6.5	3.2	6.5	3.2	3.2	12.9	0.0	6.5	16.1	25.8	0.0	100.
6	16.1	3.2	0.0	0.0	3.2	3.2	6.5	3.2	6.5	0.0	3.2	6.5	6.5	9.7	25.8	6.5	0.0	100.
7	16.1	3.2	0.0	0.0	3.2	3.2	6.5	3.2	6.5	0.0	0.0	9.7	9.7	6.5	22.6	9.7	0.0	100.
8	6.5	3.2	3.2	0.0	9.7	0.0	9.7	3.2	6.5	0.0	3.2	9.7	3.2	6.5	22.6	12.9	0.0	100.
9	6.5	3.2	0.0	0.0	6.5	3.2	6.5	6.5	6.5	3.2	3.2	6.5	6.5	9.7	16.1	16.1	0.0	100.
10	9.7	0.0	3.2	0.0	3.2	3.2	6.5	6.5	9.7	0.0	3.2	3.2	3.2	9.7	19.4	19.4	0.0	100.
11	16.1	6.5	3.2	0.0	3.2	3.2	6.5	6.5	9.7	0.0	0.0	6.5	3.2	6.5	19.4	9.7	0.0	100.
12	16.1	0.0	0.0	3.2	6.5	0.0	12.9	3.2	9.7	0.0	0.0	3.2	6.5	6.5	22.6	9.7	0.0	100.
13	12.9	0.0	6.5	0.0	6.5	0.0	6.5	0.0	16.1	6.5	0.0	0.0	9.7	3.2	22.6	9.7	0.0	100.
14	12.9	3.2	3.2	3.2	0.0	3.2	6.5	3.2	16.1	0.0	3.2	0.0	6.5	9.7	22.6	6.5	0.0	100.
15	9.7	0.0	6.5	3.2	0.0	6.5	6.5	3.2	12.9	0.0	3.2	0.0	6.5	3.2	25.8	12.9	0.0	100.
16	9.7	3.2	6.5	3.2	0.0	3.2	9.7	9.7	6.5	0.0	3.2	0.0	3.2	3.2	29.0	9.7	0.0	100.
17	9.7	3.2	6.5	3.2	0.0	3.2	9.7	9.7	9.7	0.0	0.0	0.0	3.2	6.5	29.0	6.5	0.0	100.
18	6.5	6.5	3.2	3.2	3.2	3.2	6.5	12.9	6.5	0.0	0.0	3.2	3.2	0.0	32.3	9.7	0.0	100.
19	9.7	3.2	0.0	9.7	0.0	3.2	9.7	12.9	6.5	0.0	0.0	3.2	0.0	3.2	25.8	12.9	0.0	100.
20	6.5	0.0	6.5	6.5	0.0	3.2	6.5	12.9	6.5	0.0	0.0	3.2	0.0	3.2	22.6	22.6	0.0	100.
21	9.7	0.0	9.7	3.2	3.2	3.2	6.5	9.7	6.5	3.2	3.2	0.0	0.0	3.2	19.4	19.4	0.0	100.
22	6.5	3.2	3.2	3.2	3.2	6.5	9.7	6.5	12.9	0.0	3.2	0.0	0.0	3.2	25.8	12.9	0.0	100.
23	3.2	3.2	0.0	9.7	0.0	6.5	9.7	9.7	3.2	6.5	3.2	0.0	0.0	9.7	19.4	16.1	0.0	100.
24	6.5	0.0	0.0	0.0	9.7	3.2	9.7	9.7	6.5	6.5	6.5	0.0	0.0	0.0	22.6	19.4	0.0	100.
ALL	9.0	2.2	3.0	2.7	2.7	3.1	8.2	7.8	7.8	2.0	3.1	2.8	3.2	5.5	22.7	14.2	0.0	100.

NUMBER OF OBS = 744

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION OCT-DEC 2000

PROGRAM: WINPER

VERSION: 2P

HOURLY WIND ROSES (PERCENT)

OCT-DEC

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	5.6	3.3	0.0	2.2	2.2	3.3	6.7	8.9	12.2	12.2	5.6	3.3	4.4	7.8	14.4	7.8	0.0	100.
2	6.7	0.0	2.2	1.1	2.2	4.5	6.7	9.0	7.9	14.6	5.6	2.2	9.0	5.6	11.2	11.2	0.0	100.
3	4.4	0.0	1.1	2.2	2.2	3.3	3.3	13.3	11.1	10.0	6.7	2.2	5.6	6.7	12.2	15.6	0.0	100.
4	4.4	2.2	1.1	1.1	1.1	2.2	5.6	8.9	12.2	11.1	7.8	1.1	5.6	8.9	11.1	15.6	0.0	100.
5	2.2	2.2	1.1	1.1	2.2	4.4	5.6	5.6	12.2	7.8	5.6	4.4	5.6	12.2	10.0	17.8	0.0	100.
6	6.7	2.2	1.1	0.0	1.1	5.6	7.8	11.1	6.7	5.6	5.6	2.2	10.0	11.1	12.2	11.1	0.0	100.
7	8.9	1.1	1.1	0.0	2.2	6.7	4.4	11.1	10.0	6.7	1.1	5.6	10.0	10.0	11.1	10.0	0.0	100.
8	5.6	2.2	2.2	1.1	4.4	3.3	7.8	6.7	14.4	5.6	2.2	4.4	6.7	10.0	11.1	12.2	0.0	100.
9	7.8	2.2	0.0	0.0	3.3	5.6	5.6	4.4	15.6	7.8	2.2	5.6	8.9	7.8	8.9	14.4	0.0	100.
10	6.7	2.2	1.1	0.0	2.2	4.4	6.7	5.6	13.3	7.8	5.6	2.2	6.7	7.8	12.2	15.6	0.0	100.
11	7.8	3.3	3.3	1.1	2.2	4.4	7.8	3.3	14.4	6.7	3.3	4.4	7.8	5.6	14.4	10.0	0.0	100.
12	8.9	0.0	2.2	2.2	2.2	3.3	10.0	4.4	15.6	4.4	3.3	2.2	10.0	4.4	14.4	12.2	0.0	100.
13	5.6	1.1	3.3	1.1	3.3	3.3	5.6	5.6	16.7	8.9	1.1	3.3	10.0	4.4	15.6	11.1	0.0	100.
14	5.6	2.2	5.6	3.3	0.0	2.2	6.7	10.0	12.2	5.6	4.4	1.1	8.9	7.8	15.6	8.9	0.0	100.
15	3.4	4.5	3.4	2.2	2.2	4.5	5.6	7.9	14.6	5.6	3.4	2.2	5.6	4.5	19.1	11.2	0.0	100.
16	7.9	3.4	4.5	1.1	1.1	2.2	7.9	11.2	10.1	6.7	3.4	3.4	4.5	5.6	15.7	11.2	0.0	100.
17	8.9	1.1	4.4	3.3	1.1	3.3	6.7	11.1	11.1	7.8	1.1	2.2	5.6	5.6	15.6	11.1	0.0	100.
18	4.4	6.7	2.2	2.2	1.1	3.3	7.8	15.6	8.9	6.7	1.1	3.3	4.4	4.4	15.6	12.2	0.0	100.
19	8.9	2.2	2.2	4.4	1.1	3.3	10.0	16.7	8.9	4.4	1.1	2.2	4.4	4.4	13.3	12.2	0.0	100.
20	7.8	1.1	2.2	4.4	2.2	3.3	6.7	16.7	6.7	4.4	3.3	4.4	3.3	7.8	10.0	15.6	0.0	100.
21	6.7	1.1	4.4	2.2	2.2	5.6	5.6	15.6	7.8	6.7	2.2	3.3	4.4	5.6	13.3	13.3	0.0	100.
22	6.7	1.1	2.2	3.3	1.1	5.6	8.9	13.3	11.1	3.3	4.4	1.1	4.4	7.8	15.6	10.0	0.0	100.
23	4.4	3.3	0.0	7.8	0.0	5.6	5.6	16.7	6.7	6.7	4.4	3.3	4.4	7.8	14.4	8.9	0.0	100.
24	6.7	0.0	2.2	2.2	4.4	4.4	5.6	10.0	13.3	8.9	4.4	2.2	6.7	5.6	11.1	12.2	0.0	100.
ALL	6.4	2.0	2.2	2.1	2.0	4.1	6.7	10.1	11.4	7.3	3.7	3.0	6.5	7.0	13.3	12.1	0.0	100.

NUMBER OF OBS = 2157

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JUL-DEC 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JUL-DEC

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	5.7	4.0	1.1	3.4	6.9	6.3	8.6	9.1	15.4	10.9	4.6	2.9	2.9	4.0	8.6	5.7	0.0	100.
2	6.9	2.3	3.4	1.1	3.4	8.6	10.9	7.5	13.2	13.2	2.9	4.0	4.6	3.4	6.9	6.9	0.6	100.
3	7.4	2.3	1.7	1.7	5.1	7.4	8.0	10.3	12.6	10.3	6.9	2.3	2.9	4.6	6.9	9.7	0.0	100.
4	9.1	2.3	2.9	1.7	3.4	7.4	7.4	7.4	12.0	10.3	6.9	2.3	4.6	5.7	6.3	10.3	0.0	100.
5	6.3	2.3	2.3	1.1	2.9	10.9	7.4	7.4	12.6	8.0	6.3	4.0	3.4	6.9	6.3	12.0	0.0	100.
6	6.9	3.4	2.3	0.6	2.9	8.6	8.6	12.0	10.3	5.7	6.9	4.0	5.1	6.9	7.4	8.6	0.0	100.
7	8.0	3.4	1.7	1.1	2.9	9.1	8.0	10.3	13.7	6.3	2.3	6.3	6.3	6.9	6.3	7.4	0.0	100.
8	6.9	2.9	3.4	1.1	4.0	7.4	8.6	9.1	15.4	6.3	4.0	4.6	4.0	5.1	7.4	9.7	0.0	100.
9	6.3	2.9	2.3	1.1	4.0	7.4	6.3	7.4	16.0	11.4	2.3	4.6	5.7	5.1	4.6	12.6	0.0	100.
10	6.9	4.0	2.3	2.3	1.7	6.9	9.1	5.7	14.9	9.7	5.1	3.4	3.4	5.7	7.4	11.4	0.0	100.
11	8.0	3.4	4.0	2.9	2.9	5.7	9.7	5.7	15.4	8.6	4.0	2.9	4.0	3.4	9.7	9.7	0.0	100.
12	9.2	1.7	2.3	4.0	3.4	8.0	10.3	5.7	15.5	6.3	2.9	2.9	5.2	2.9	8.6	10.9	0.0	100.
13	8.0	4.0	2.3	2.3	4.6	6.9	8.6	6.3	14.9	8.6	3.4	2.3	5.2	2.9	9.8	9.8	0.0	100.
14	8.6	4.0	5.1	2.9	2.9	5.7	6.9	12.0	10.9	7.4	5.7	1.1	4.6	5.7	8.0	8.6	0.0	100.
15	7.5	4.6	5.2	2.3	3.5	8.1	7.5	8.7	14.5	6.4	3.5	2.3	2.9	2.9	11.0	9.2	0.0	100.
16	8.6	5.2	5.2	2.9	2.9	7.5	8.0	12.6	10.9	7.5	3.4	1.7	2.9	2.9	8.6	9.2	0.0	100.
17	9.7	2.3	5.7	3.4	5.1	5.7	10.9	11.4	10.9	5.7	2.9	1.1	2.9	2.9	8.6	10.9	0.0	100.
18	6.9	7.4	3.4	5.1	2.9	6.9	11.4	12.0	10.9	6.9	1.1	1.7	2.3	2.9	8.6	9.7	0.0	100.
19	8.0	4.0	4.6	4.6	4.0	9.1	12.6	14.3	7.4	4.6	2.3	1.1	2.9	2.3	8.0	10.3	0.0	100.
20	6.3	4.0	4.6	4.6	5.7	9.1	8.6	15.4	7.4	4.6	2.9	3.4	1.7	4.0	5.1	12.6	0.0	100.
21	7.4	2.3	5.1	4.6	5.7	10.3	8.0	16.0	8.6	5.1	2.9	2.3	2.3	2.9	7.4	9.1	0.0	100.
22	7.4	1.7	4.6	5.7	5.7	8.6	9.7	13.7	12.0	3.4	3.4	0.6	2.9	4.0	8.6	8.0	0.0	100.
23	5.7	2.3	2.9	7.4	3.4	11.4	8.6	14.3	12.0	4.6	4.6	2.3	2.3	4.0	7.4	6.9	0.0	100.
24	5.1	4.0	2.3	4.0	6.9	6.9	8.6	11.4	13.7	9.1	4.0	2.3	3.4	2.9	6.9	8.6	0.0	100.
ALL	7.4	3.4	3.4	3.0	4.0	7.9	8.8	10.3	12.5	7.5	4.0	2.8	3.7	4.2	7.7	9.5	0.0	100.

NUMBER OF OBS = 4194

NPPD-COOPER NUCLEAR STATION 100-M WIND DIRECTION JAN-DEC 2000

PROGRAM: WINPER
VERSION: 2P

HOURLY WIND ROSES (PERCENT)

JAN-DEC

HR. OF DAY	WIND DIRECTION																CALM	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	5.9	3.4	2.0	2.2	5.3	5.9	9.0	10.4	14.3	8.1	5.9	2.8	3.4	5.0	10.4	6.2	0.0	100.
2	7.3	3.4	3.1	1.7	3.1	7.3	9.9	7.6	13.0	11.8	3.9	2.8	3.9	4.8	8.7	7.3	0.3	100.
3	7.8	2.5	2.5	2.0	4.5	7.6	7.0	8.7	13.2	9.0	6.4	2.5	3.6	4.8	9.2	8.7	0.0	100.
4	9.2	2.8	2.2	2.5	3.4	7.8	6.7	9.0	12.3	9.0	5.6	2.8	4.5	4.8	9.2	8.1	0.0	100.
5	8.4	2.2	2.2	2.0	3.1	8.4	6.4	8.7	14.0	7.0	5.9	4.5	3.6	5.0	9.0	9.5	0.0	100.
6	7.3	3.4	2.8	1.7	2.8	7.8	7.0	11.2	12.6	6.7	5.0	4.2	3.6	6.2	7.8	9.8	0.0	100.
7	8.4	3.1	2.0	2.0	4.2	6.4	7.3	10.4	14.3	6.7	3.6	4.8	4.2	6.2	8.1	8.4	0.0	100.
8	6.7	2.8	2.5	1.4	4.5	6.4	7.3	9.8	14.0	7.8	4.8	5.0	2.8	5.3	9.0	9.8	0.0	100.
9	7.0	2.8	2.2	1.1	4.8	6.2	5.9	7.3	16.0	9.8	4.2	3.9	5.3	4.5	7.3	11.5	0.0	100.
10	7.6	3.7	2.0	2.0	2.8	6.7	7.0	7.6	14.3	9.8	5.9	3.4	4.2	4.8	7.0	11.2	0.0	100.
11	8.1	3.1	3.1	1.7	2.8	7.0	8.1	7.0	14.0	9.6	3.7	3.7	4.8	3.4	8.7	11.2	0.0	100.
12	9.3	2.3	2.0	2.5	2.8	7.9	8.5	8.5	15.2	7.6	3.7	3.1	4.5	3.9	7.3	11.0	0.0	100.
13	9.3	3.1	1.7	1.7	4.2	5.9	7.3	7.6	15.2	9.3	3.9	3.1	4.8	5.1	7.3	10.4	0.0	100.
14	8.1	3.9	3.4	2.2	2.8	5.1	7.0	10.4	11.5	10.1	4.2	3.1	4.2	5.9	7.3	10.7	0.0	100.
15	7.4	3.1	4.0	2.3	3.1	5.7	8.2	7.6	14.7	8.2	4.2	3.7	2.5	4.0	10.2	11.0	0.0	100.
16	7.6	4.2	3.7	2.8	3.7	5.4	7.3	9.9	12.4	9.9	3.7	2.0	3.7	3.7	8.2	11.9	0.0	100.
17	6.7	3.7	4.5	3.1	3.9	4.8	8.4	10.4	12.6	7.6	3.4	3.7	2.5	3.4	7.6	13.8	0.0	100.
18	7.3	5.0	3.6	4.2	3.1	5.0	9.5	10.9	12.0	6.7	3.4	2.8	2.5	2.5	8.4	12.9	0.0	100.
19	7.6	3.6	3.9	3.9	5.3	6.7	9.2	11.2	12.0	5.9	3.1	2.2	2.8	2.2	6.7	13.4	0.0	100.
20	7.0	3.6	3.1	3.6	7.3	6.2	7.0	13.4	11.8	5.3	3.9	2.2	3.1	2.8	7.6	12.0	0.0	100.
21	7.0	2.8	3.6	3.4	6.7	7.6	7.6	14.3	12.3	6.2	3.4	1.7	2.0	3.4	8.4	9.8	0.0	100.
22	6.2	3.6	3.6	4.2	3.6	9.5	7.8	12.9	14.3	5.9	2.2	1.4	2.2	5.3	8.4	8.7	0.0	100.
23	5.3	3.4	3.1	4.8	3.6	9.0	7.0	12.3	13.7	6.4	3.6	2.8	3.4	3.4	7.6	8.7	0.0	100.
24	6.5	3.4	2.8	2.8	4.5	6.7	8.1	11.8	13.8	8.1	4.8	2.8	3.4	4.5	7.0	9.0	0.0	100.
ALL	7.5	3.3	2.9	2.6	4.0	6.8	7.8	10.0	13.5	8.0	4.3	3.1	3.6	4.4	8.2	10.2	0.0	100.

NUMBER OF OBS = 8549

Precipitation

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	1	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B68

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	1	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	1	31	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B69

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 2000

RAIN VERSION # 2P

MONTH OF JANUARY

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 31 HOUR 24 - 0.00 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 31 HOUR 19 - 0.00 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 31 HOUR 13 - 0.00 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 31 HOUR 7 - 0.00 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 31 HOUR 1 - 0.00 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 386
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF JANUARY

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	0	0	0	0	0
0.02	0	0	0	0	0
0.03	0	0	0	0	0
0.04	0	0	0	0	0
0.05	0	0	0	0	0
0.07	0	0	0	0	0
0.10	0	0	0	0	0
0.15	0	0	0	0	0
0.20	0	0	0	0	0
0.25	0	0	0	0	0
0.30	0	0	0	0	0
0.35	0	0	0	0	0
0.40	0	0	0	0	0
0.45	0	0	0	0	0
0.50	0	0	0	0	0
0.60	0	0	0	0	0
0.70	0	0	0	0	0
0.80	0	0	0	0	0
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B71

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	2	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B72

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	2	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	21	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	2	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	2	23	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.30
0	2	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	25	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	2	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	2	28	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	2	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B73

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 2000

RAIN VERSION # 2P

MONTH OF FEBRUARY

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 696
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 7
TOTAL DAYS WITH PRECIPITATION - 5
TOTAL AMOUNT OF PRECIPITATION - 0.70 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
MAXIMUM DAILY PRECIPITATION - 0.30 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 28 HOUR 14 - 0.10 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 23 HOUR 9 - 0.20 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 23 HOUR 3 - 0.30 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 22 HOUR 21 - 0.40 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 22 HOUR 21 - 0.40 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 210
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF FEBRUARY

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	7	38	62	86	110
0.02	7	38	62	86	110
0.03	7	38	62	86	110
0.04	7	38	62	86	110
0.05	7	38	62	86	110
0.07	7	38	62	86	110
0.10	7	38	62	86	110
0.15	0	4	18	24	30
0.20	0	4	18	24	30
0.25	0	0	4	12	18
0.30	0	0	4	12	18
0.35	0	0	0	4	10
0.40	0	0	0	4	10
0.45	0	0	0	0	0
0.50	0	0	0	0	0
0.60	0	0	0	0	0
0.70	0	0	0	0	0
0.80	0	0	0	0	0
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B75

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	3	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	8	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.20 0.00	0.10 0.00	0.40
0	3	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.90	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.90
0	3	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	3	18	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.23
0	3	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.20
0	3	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	23	0.00 0.00	0.00 0.00	0.00 0.00	0.20 0.00	0.00 0.00	0.20 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.40
0	3	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	3	31	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

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NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 2000

RAIN VERSION # 2P

MONTH OF MARCH

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 10
TOTAL DAYS WITH PRECIPITATION - 5
TOTAL AMOUNT OF PRECIPITATION - 2.13 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.90 INCHES
MAXIMUM DAILY PRECIPITATION - 0.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 12 HOUR 16 - 0.90 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 12 HOUR 16 - 0.90 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 12 HOUR 16 - 0.90 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 12 HOUR 16 - 0.90 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 12 HOUR 16 - 0.90 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 75
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF MARCH

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	10	44	77	101	125
0.02	10	44	77	101	125
0.03	10	44	77	101	125
0.04	10	44	77	101	125
0.05	10	44	77	101	125
0.07	10	44	77	101	125
0.10	10	44	77	101	125
0.15	4	27	57	86	110
0.20	4	27	57	86	110
0.25	1	15	34	58	82
0.30	1	15	34	58	82
0.35	1	10	24	43	67
0.40	1	10	24	43	67
0.45	1	6	12	18	24
0.50	1	6	12	18	24
0.60	1	6	12	18	24
0.70	1	6	12	18	24
0.80	1	6	12	18	24
0.90	1	6	12	18	24
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B79

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 2184
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 17
TOTAL DAYS WITH PRECIPITATION - 10
TOTAL AMOUNT OF PRECIPITATION - 2.83 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.90 INCHES
MAXIMUM DAILY PRECIPITATION - 0.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - 0.90 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - 0.90 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - 0.90 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - 0.90 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - 0.90 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 671
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	17	82	139	187	235
0.02	17	82	139	187	235
0.03	17	82	139	187	235
0.04	17	82	139	187	235
0.05	17	82	139	187	235
0.07	17	82	139	187	235
0.10	17	82	139	187	235
0.15	4	31	75	110	140
0.20	4	31	75	110	140
0.25	1	15	38	70	100
0.30	1	15	38	70	100
0.35	1	10	24	47	77
0.40	1	10	24	47	77
0.45	1	6	12	18	24
0.50	1	6	12	18	24
0.60	1	6	12	18	24
0.70	1	6	12	18	24
0.80	1	6	12	18	24
0.90	1	6	12	18	24
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	4	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	4	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.10
0	4	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	16	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.12	0.00 0.00	0.00 0.00	0.10 0.00	0.10 0.00	0.00 0.00	0.52
0	4	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	4	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.10 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.40
0	4	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	22	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	4	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.26 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.26
0	4	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	4	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.18

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 2000

RAIN VERSION # 2P

MONTH OF APRIL

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 720
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 14
TOTAL DAYS WITH PRECIPITATION - 7
TOTAL AMOUNT OF PRECIPITATION - 1.66 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.26 INCHES
MAXIMUM DAILY PRECIPITATION - 0.52 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 27 HOUR 9 - 0.26 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 20 HOUR 6 - 0.30 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 16 HOUR 10 - 0.52 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 16 HOUR 10 - 0.52 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 16 HOUR 10 - 0.52 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 14
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF APRIL

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	14	61	99	135	171
0.02	14	61	99	135	171
0.03	14	61	99	135	171
0.04	14	61	99	135	171
0.05	14	61	99	135	171
0.07	14	61	99	135	171
0.10	14	61	99	135	171
0.15	2	30	52	70	88
0.20	1	24	44	62	80
0.25	1	11	34	52	70
0.30	0	5	22	34	46
0.35	0	0	8	20	32
0.40	0	0	8	20	32
0.45	0	0	3	9	15
0.50	0	0	3	9	15
0.60	0	0	0	0	0
0.70	0	0	0	0	0
0.80	0	0	0	0	0
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	5	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	10	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	5	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	15	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	5	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	5	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	5	31	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 9.99	0.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 2000

RAIN VERSION # 2P

MONTH OF MAY

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
NUMBER OF MISSING HOURS - 1
TOTAL HOURS OF PRECIPITATION - 2
TOTAL DAYS WITH PRECIPITATION - 2
TOTAL AMOUNT OF PRECIPITATION - 0.20 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
MAXIMUM DAILY PRECIPITATION - 0.10 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 15 HOUR 14 - 0.10 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 15 HOUR 14 - 0.10 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 15 HOUR 14 - 0.10 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 15 HOUR 14 - 0.10 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 15 HOUR 14 - 0.10 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 0
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF MAY

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	2	12	24	36	48
0.02	2	12	24	36	48
0.03	2	12	24	36	48
0.04	2	12	24	36	48
0.05	2	12	24	36	48
0.07	2	12	24	36	48
0.10	2	12	24	36	48
0.15	0	0	0	0	0
0.20	0	0	0	0	0
0.25	0	0	0	0	0
0.30	0	0	0	0	0
0.35	0	0	0	0	0
0.40	0	0	0	0	0
0.45	0	0	0	0	0
0.50	0	0	0	0	0
0.60	0	0	0	0	0
0.70	0	0	0	0	0
0.80	0	0	0	0	0
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	6	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	6	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	15	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	6	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B90

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	6	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	6	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	6	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	6	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B91

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 2000

RAIN VERSION # 2P

MONTH OF JUNE

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 720
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 4
 TOTAL DAYS WITH PRECIPITATION - 4
 TOTAL AMOUNT OF PRECIPITATION - 0.40 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.10 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 25 HOUR 20 - 0.10 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 25 HOUR 20 - 0.10 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 25 HOUR 20 - 0.10 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 25 HOUR 20 - 0.10 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 25 HOUR 20 - 0.10 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 0
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 0
 TOTAL DAYS WITH PRECIPITATION - 0
 TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF JUNE

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	4	24	48	72	96
0.02	4	24	48	72	96
0.03	4	24	48	72	96
0.04	4	24	48	72	96
0.05	4	24	48	72	96
0.07	4	24	48	72	96
0.10	4	24	48	72	96
0.15	0	0	0	0	0
0.20	0	0	0	0	0
0.25	0	0	0	0	0
0.30	0	0	0	0	0
0.35	0	0	0	0	0
0.40	0	0	0	0	0
0.45	0	0	0	0	0
0.50	0	0	0	0	0
0.60	0	0	0	0	0
0.70	0	0	0	0	0
0.80	0	0	0	0	0
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 2000

RAIN VERSION # 2P

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 2184
 NUMBER OF MISSING HOURS - 1
 TOTAL HOURS OF PRECIPITATION - 20
 TOTAL DAYS WITH PRECIPITATION - 13
 TOTAL AMOUNT OF PRECIPITATION - 2.26 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.26 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.52 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 4 DAY 27 HOUR 9 - 0.26 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 4 DAY 20 HOUR 6 - 0.30 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 4 DAY 16 HOUR 10 - 0.52 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 4 DAY 16 HOUR 10 - 0.52 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 4 DAY 16 HOUR 10 - 0.52 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 14
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 0
 TOTAL DAYS WITH PRECIPITATION - 0
 TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	20	97	175	253	331
0.02	20	97	175	253	331
0.03	20	97	175	253	331
0.04	20	97	175	253	331
0.05	20	97	175	253	331
0.07	20	97	175	253	331
0.10	20	97	175	253	331
0.15	2	30	56	80	104
0.20	1	24	44	62	80
0.25	1	11	34	52	70
0.30	0	5	22	34	46
0.35	0	0	8	20	32
0.40	0	0	8	20	32
0.45	0	0	3	9	15
0.50	0	0	3	9	15
0.60	0	0	0	0	0
0.70	0	0	0	0	0
0.80	0	0	0	0	0
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-JUN 2000

RAIN VERSION # 2P

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 4368
 NUMBER OF MISSING HOURS - 1
 TOTAL HOURS OF PRECIPITATION - 37
 TOTAL DAYS WITH PRECIPITATION - 23
 TOTAL AMOUNT OF PRECIPITATION - 5.09 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.90 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH	3	DAY 12	HOURL 16	-	0.90 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH	3	DAY 12	HOURL 16	-	0.90 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH	3	DAY 12	HOURL 16	-	0.90 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH	3	DAY 12	HOURL 16	-	0.90 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH	3	DAY 12	HOURL 16	-	0.90 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 685
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 0
 TOTAL DAYS WITH PRECIPITATION - 0
 TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	37	179	314	440	566
0.02	37	179	314	440	566
0.03	37	179	314	440	566
0.04	37	179	314	440	566
0.05	37	179	314	440	566
0.07	37	179	314	440	566
0.10	37	179	314	440	566
0.15	6	61	131	190	244
0.20	5	55	119	172	220
0.25	2	26	72	122	170
0.30	1	20	60	104	146
0.35	1	10	32	67	109
0.40	1	10	32	67	109
0.45	1	6	15	27	39
0.50	1	6	15	27	39
0.60	1	6	12	18	24
0.70	1	6	12	18	24
0.80	1	6	12	18	24
0.90	1	6	12	18	24
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

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NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	7	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	7	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	7	31	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B99

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 2000

RAIN VERSION # 2P

MONTH OF JULY

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 0
 TOTAL DAYS WITH PRECIPITATION - 0
 TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 31 HOUR 24 - 0.00 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 31 HOUR 19 - 0.00 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 31 HOUR 13 - 0.00 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 31 HOUR 7 - 0.00 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 31 HOUR 1 - 0.00 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 0
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 0
 TOTAL DAYS WITH PRECIPITATION - 0
 TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

B100

MONTH OF JULY

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	0	0	0	0	0
0.02	0	0	0	0	0
0.03	0	0	0	0	0
0.04	0	0	0	0	0
0.05	0	0	0	0	0
0.07	0	0	0	0	0
0.10	0	0	0	0	0
0.15	0	0	0	0	0
0.20	0	0	0	0	0
0.25	0	0	0	0	0
0.30	0	0	0	0	0
0.35	0	0	0	0	0
0.40	0	0	0	0	0
0.45	0	0	0	0	0
0.50	0	0	0	0	0
0.60	0	0	0	0	0
0.70	0	0	0	0	0
0.80	0	0	0	0	0
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B101

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	8	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	17	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10

B102

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	8	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	19	0.00 0.20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.10 0.00	0.20 0.00	0.20 0.00	0.20 0.10	0.30 0.00	0.50 0.00	1.90
0	8	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.80	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.90
0	8	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.40	0.00 0.20	0.60
0	8	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	8	31	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B103

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 2000

RAIN VERSION # 2P

MONTH OF AUGUST

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 14
 TOTAL DAYS WITH PRECIPITATION - 4
 TOTAL AMOUNT OF PRECIPITATION - 3.50 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.80 INCHES
 MAXIMUM DAILY PRECIPITATION - 1.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 22 HOUR 16 - 0.80 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 19 HOUR 8 - 1.60 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 19 HOUR 6 - 1.80 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 19 HOUR 6 - 1.90 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 19 HOUR 6 - 1.90 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 0
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 0
 TOTAL DAYS WITH PRECIPITATION - 0
 TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF AUGUST

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	14	44	74	98	122
0.02	14	44	74	98	122
0.03	14	44	74	98	122
0.04	14	44	74	98	122
0.05	14	44	74	98	122
0.07	14	44	74	98	122
0.10	14	44	74	98	122
0.15	9	25	43	61	79
0.20	9	25	43	61	79
0.25	4	22	41	59	77
0.30	4	22	41	59	77
0.35	3	22	40	58	76
0.40	3	22	40	58	76
0.45	2	20	38	56	74
0.50	2	20	38	56	74
0.60	1	20	38	56	74
0.70	1	14	26	38	50
0.80	1	13	26	38	50
0.90	0	6	15	27	39
1.00	0	6	12	18	24
1.10	0	5	12	18	24
1.20	0	4	10	16	22
1.30	0	3	9	16	22
1.40	0	3	9	15	21
1.50	0	2	8	15	21
1.60	0	1	8	14	20
1.70	0	0	6	13	19
1.80	0	0	5	12	18
1.90	0	0	0	2	8
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B105

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	9	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	3	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	9	4	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	9	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B106

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	9	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	19	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	9	20	0.10 0.00	0.10 0.00	0.10 0.00	0.20 0.00	0.10 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.70
0	9	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	22	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	9	23	0.00 0.00	0.00 0.00	0.00 0.00	0.20 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.40
0	9	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.20
0	9	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	9	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B107

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 2000

RAIN VERSION # 2P

MONTH OF SEPTEMBER

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 720
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 15
 TOTAL DAYS WITH PRECIPITATION - 7
 TOTAL AMOUNT OF PRECIPITATION - 1.70 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.20 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.70 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 23 HOUR 4 - 0.20 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 20 HOUR 2 - 0.60 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 20 HOUR 1 - 0.70 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 19 HOUR 15 - 0.80 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 19 HOUR 15 - 0.80 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 0
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 0
 TOTAL DAYS WITH PRECIPITATION - 0
 TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF SEPTEMBER

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	15	59	100	136	172
0.02	15	59	100	136	172
0.03	15	59	100	136	172
0.04	15	59	100	136	172
0.05	15	59	100	136	172
0.07	15	59	100	136	172
0.10	15	59	100	136	172
0.15	2	17	37	55	73
0.20	2	17	37	55	73
0.25	0	12	25	37	49
0.30	0	12	25	37	49
0.35	0	6	16	29	41
0.40	0	6	16	29	41
0.45	0	5	11	17	23
0.50	0	5	11	17	23
0.60	0	3	9	16	22
0.70	0	0	6	14	20
0.80	0	0	0	2	8
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B109

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 2000

RAIN VERSION # 2P

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 2208
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 29
 TOTAL DAYS WITH PRECIPITATION - 11
 TOTAL AMOUNT OF PRECIPITATION - 5.20 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.80 INCHES
 MAXIMUM DAILY PRECIPITATION - 1.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 8 DAY 22 HOUR 16 - 0.80 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 8 DAY 19 HOUR 8 - 1.60 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 8 DAY 19 HOUR 6 - 1.80 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 8 DAY 19 HOUR 6 - 1.90 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 8 DAY 19 HOUR 6 - 1.90 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 0
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 0
 TOTAL DAYS WITH PRECIPITATION - 0
 TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	29	103	174	234	294
0.02	29	103	174	234	294
0.03	29	103	174	234	294
0.04	29	103	174	234	294
0.05	29	103	174	234	294
0.07	29	103	174	234	294
0.10	29	103	174	234	294
0.15	11	42	80	116	152
0.20	11	42	80	116	152
0.25	4	34	66	96	126
0.30	4	34	66	96	126
0.35	3	28	56	87	117
0.40	3	28	56	87	117
0.45	2	25	49	73	97
0.50	2	25	49	73	97
0.60	1	23	47	72	96
0.70	1	14	32	52	70
0.80	1	13	26	40	58
0.90	0	6	15	27	39
1.00	0	6	12	18	24
1.10	0	5	12	18	24
1.20	0	4	10	16	22
1.30	0	3	9	16	22
1.40	0	3	9	15	21
1.50	0	2	8	15	21
1.60	0	1	8	14	20
1.70	0	0	6	13	19
1.80	0	0	5	12	18
1.90	0	0	0	2	8
2.00	0	0	0	0	0

B111

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	10	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	5	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.10 0.00	0.20 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.60
0	10	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.20
0	10	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.40	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.50
0	10	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.10
0	10	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B112

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	10	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.20
0	10	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	10	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	28	0.00 0.00	9.99 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10
0	10	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	10	31	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B113

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 2000

RAIN VERSION # 2P

MONTH OF OCTOBER

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
 NUMBER OF MISSING HOURS - 1
 TOTAL HOURS OF PRECIPITATION - 13
 TOTAL DAYS WITH PRECIPITATION - 7
 TOTAL AMOUNT OF PRECIPITATION - 1.80 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.40 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.60 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 13 HOUR 20 - 0.40 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 13 HOUR 20 - 0.50 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 5 HOUR 2 - 0.60 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 5 HOUR 2 - 0.60 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 5 HOUR 2 - 0.60 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 30
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 0
 TOTAL DAYS WITH PRECIPITATION - 0
 TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF OCTOBER

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	13	52	94	136	178
0.02	13	52	94	136	178
0.03	13	52	94	136	178
0.04	13	52	94	136	178
0.05	13	52	94	136	178
0.07	13	52	94	136	178
0.10	13	52	94	136	178
0.15	3	23	47	71	95
0.20	3	23	47	71	95
0.25	1	13	25	37	49
0.30	1	13	25	37	49
0.35	1	11	23	35	47
0.40	1	11	23	35	47
0.45	0	9	21	33	45
0.50	0	9	21	33	45
0.60	0	0	6	12	18
0.70	0	0	0	0	0
0.80	0	0	0	0	0
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

B115

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	11	1	0.00 0.00	0.00 0.00	0.00 0.00	0.20 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.30
0	11	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.30 0.00	0.00 0.00	0.00 0.00	0.10 0.10	0.10 0.00	0.10 0.00	0.20 0.00	0.00 0.00	0.90
0	11	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	11	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	13	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B116

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	11	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	11	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B117

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 2000

RAIN VERSION # 2P

MONTH OF NOVEMBER

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 720
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 8
 TOTAL DAYS WITH PRECIPITATION - 2
 TOTAL AMOUNT OF PRECIPITATION - 1.20 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.30 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 6 HOUR 5 - 0.30 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 6 HOUR 5 - 0.60 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 6 HOUR 5 - 0.80 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 6 HOUR 5 - 0.90 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 6 HOUR 5 - 0.90 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 368
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 0
 TOTAL DAYS WITH PRECIPITATION - 0
 TOTAL AMOUNT OF PRECIPITATION - 0.00 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.00 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.00 INCHES

MONTH OF NOVEMBER

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	8	27	36	42	48
0.02	8	27	36	42	48
0.03	8	27	36	42	48
0.04	8	27	36	42	48
0.05	8	27	36	42	48
0.07	8	27	36	42	48
0.10	8	27	36	42	48
0.15	3	16	22	28	34
0.20	3	16	22	28	34
0.25	1	12	22	28	34
0.30	1	12	22	28	34
0.35	0	7	14	20	26
0.40	0	7	14	20	26
0.45	0	5	12	18	24
0.50	0	5	12	18	24
0.60	0	1	7	16	22
0.70	0	0	6	12	18
0.80	0	0	6	12	18
0.90	0	0	0	3	9
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	12	1	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	2	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	3	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	4	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	5	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	6	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	7	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	9	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	11	0.00 0.00	0.00 0.00	0.10 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.10 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.30
0	12	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	13	0.00 0.00	0.00 0.10	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.10	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.30
0	12	14	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	15	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	16	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	17	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

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NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 2000

RAIN VERSION # 2P

YR	MON	DAY	1AM 1PM	2AM 2PM	3AM 3PM	4AM 4PM	5AM 5PM	6AM 6PM	7AM 7PM	8AM 8PM	9AM 9PM	10AM 10PM	11AM 11PM	12N 12MDNT	TOTAL
0	12	18	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	19	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	21	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	22	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	23	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	24	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	25	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	26	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	27	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	28	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	29	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	30	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00
0	12	31	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00

B121

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 2000

RAIN VERSION # 2P

MONTH OF DECEMBER

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 744
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 6
 TOTAL DAYS WITH PRECIPITATION - 2
 TOTAL AMOUNT OF PRECIPITATION - 0.60 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.30 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 13 HOUR 20 - 0.10 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 11 HOUR 3 - 0.30 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 13 HOUR 14 - 0.30 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 13 HOUR 14 - 0.30 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS DAY 13 HOUR 14 - 0.30 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 632
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 6
 TOTAL DAYS WITH PRECIPITATION - 2
 TOTAL AMOUNT OF PRECIPITATION - 0.60 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.30 INCHES

MONTH OF DECEMBER

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	6	23	35	47	59
0.02	6	23	35	47	59
0.03	6	23	35	47	59
0.04	6	23	35	47	59
0.05	6	23	35	47	59
0.07	6	23	35	47	59
0.10	6	23	35	47	59
0.15	0	12	24	36	48
0.20	0	12	24	36	48
0.25	0	1	13	25	37
0.30	0	1	13	25	37
0.35	0	0	0	0	0
0.40	0	0	0	0	0
0.45	0	0	0	0	0
0.50	0	0	0	0	0
0.60	0	0	0	0	0
0.70	0	0	0	0	0
0.80	0	0	0	0	0
0.90	0	0	0	0	0
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

ENTRIES INDICATE NUMBER OF DURATION PERIODS WITH RAINFALL GREATER THAN OR EQUAL TO AMOUNT SHOWN

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 2000

RAIN VERSION # 2P

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 2208
 NUMBER OF MISSING HOURS - 1
 TOTAL HOURS OF PRECIPITATION - 27
 TOTAL DAYS WITH PRECIPITATION - 11
 TOTAL AMOUNT OF PRECIPITATION - 3.60 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.40 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 10 DAY 13 HOUR 20 - 0.40 INCHES
 6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 11 DAY 6 HOUR 5 - 0.60 INCHES
 12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 11 DAY 6 HOUR 5 - 0.80 INCHES
 18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 11 DAY 6 HOUR 5 - 0.90 INCHES
 24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PERCIPITATION STARTS MONTH 11 DAY 6 HOUR 5 - 0.90 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 1030
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 6
 TOTAL DAYS WITH PRECIPITATION - 2
 TOTAL AMOUNT OF PRECIPITATION - 0.60 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.30 INCHES

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	27	104	173	239	305
0.02	27	104	173	239	305
0.03	27	104	173	239	305
0.04	27	104	173	239	305
0.05	27	104	173	239	305
0.07	27	104	173	239	305
0.10	27	104	173	239	305
0.15	6	53	101	149	197
0.20	6	53	101	149	197
0.25	2	26	63	99	135
0.30	2	26	63	99	135
0.35	1	18	37	55	73
0.40	1	18	37	55	73
0.45	0	14	33	51	69
0.50	0	14	33	51	69
0.60	0	1	13	28	40
0.70	0	0	6	12	18
0.80	0	0	6	12	18
0.90	0	0	0	3	9
1.00	0	0	0	0	0
1.10	0	0	0	0	0
1.20	0	0	0	0	0
1.30	0	0	0	0	0
1.40	0	0	0	0	0
1.50	0	0	0	0	0
1.60	0	0	0	0	0
1.70	0	0	0	0	0
1.80	0	0	0	0	0
1.90	0	0	0	0	0
2.00	0	0	0	0	0

B125

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-DEC 2000

RAIN VERSION # 2P

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 4416
 NUMBER OF MISSING HOURS - 1
 TOTAL HOURS OF PRECIPITATION - 56
 TOTAL DAYS WITH PRECIPITATION - 22
 TOTAL AMOUNT OF PRECIPITATION - 8.80 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.80 INCHES
 MAXIMUM DAILY PRECIPITATION - 1.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	8 DAY 22 HOUR 16 -	0.80 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	8 DAY 19 HOUR 8 -	1.60 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	8 DAY 19 HOUR 6 -	1.80 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	8 DAY 19 HOUR 6 -	1.90 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	8 DAY 19 HOUR 6 -	1.90 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 1030
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 6
 TOTAL DAYS WITH PRECIPITATION - 2
 TOTAL AMOUNT OF PRECIPITATION - 0.60 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.30 INCHES

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	56	207	347	473	599
0.02	56	207	347	473	599
0.03	56	207	347	473	599
0.04	56	207	347	473	599
0.05	56	207	347	473	599
0.07	56	207	347	473	599
0.10	56	207	347	473	599
0.15	17	95	181	265	349
0.20	17	95	181	265	349
0.25	6	60	129	195	261
0.30	6	60	129	195	261
0.35	4	46	93	142	190
0.40	4	46	93	142	190
0.45	2	39	82	124	166
0.50	2	39	82	124	166
0.60	1	24	60	100	136
0.70	1	14	38	64	88
0.80	1	13	32	52	76
0.90	0	6	15	30	48
1.00	0	6	12	18	24
1.10	0	5	12	18	24
1.20	0	4	10	16	22
1.30	0	3	9	16	22
1.40	0	3	9	15	21
1.50	0	2	8	15	21
1.60	0	1	8	14	20
1.70	0	0	6	13	19
1.80	0	0	5	12	18
1.90	0	0	0	2	8
2.00	0	0	0	0	0

B127

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000

RAIN VERSION # 2P

ANNUAL INDEX

FOR ALL TEMPERATURES

TOTAL NUMBER OF HOURS - 8784
 NUMBER OF MISSING HOURS - 2
 TOTAL HOURS OF PRECIPITATION - 93
 TOTAL DAYS WITH PRECIPITATION - 45
 TOTAL AMOUNT OF PRECIPITATION - 13.89 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.90 INCHES
 MAXIMUM DAILY PRECIPITATION - 1.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	3 DAY 12 HOUR 16 -	0.90 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	8 DAY 19 HOUR 8 -	1.60 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	8 DAY 19 HOUR 6 -	1.80 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	8 DAY 19 HOUR 6 -	1.90 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH	8 DAY 19 HOUR 6 -	1.90 INCHES

FOR TEMPERATURES LESS THAN OR EQUAL TO 32 DEGREES FARENHEIT

TOTAL NUMBER OF HOURS - 1715
 NUMBER OF MISSING HOURS - 0
 TOTAL HOURS OF PRECIPITATION - 6
 TOTAL DAYS WITH PRECIPITATION - 2
 TOTAL AMOUNT OF PRECIPITATION - 0.60 INCHES
 MAXIMUM 1-HOUR PRECIPITATION - 0.10 INCHES
 MAXIMUM DAILY PRECIPITATION - 0.30 INCHES

ANNUAL INDEX

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS)				
	1	6	12	18	24
0.01	93	386	661	913	1165
0.02	93	386	661	913	1165
0.03	93	386	661	913	1165
0.04	93	386	661	913	1165
0.05	93	386	661	913	1165
0.07	93	386	661	913	1165
0.10	93	386	661	913	1165
0.15	23	156	312	455	593
0.20	22	150	300	437	569
0.25	8	86	201	317	431
0.30	7	80	189	299	407
0.35	5	56	125	209	299
0.40	5	56	125	209	299
0.45	3	45	97	151	205
0.50	3	45	97	151	205
0.60	2	30	72	118	160
0.70	2	20	50	82	112
0.80	2	19	44	70	100
0.90	1	12	27	48	72
1.00	0	6	12	18	24
1.10	0	5	12	18	24
1.20	0	4	10	16	22
1.30	0	3	9	16	22
1.40	0	3	9	15	21
1.50	0	2	8	15	21
1.60	0	1	8	14	20
1.70	0	0	6	13	19
1.80	0	0	5	12	18
1.90	0	0	0	2	8
2.00	0	0	0	0	0

JOINT FREQUENCY DISTRIBUTION TABLES

The tables presented in this section are results obtained from processing of the hourly meteorological data collected at the Cooper Nuclear Station. The joint frequency distribution (JFD) tables represent the frequency of occurrence, in number of observations, that a particular wind speed, wind direction, and stability category occurred simultaneously. On a quarterly and semiannual basis, the JFDs were produced for wind speed and wind direction by atmospheric stability corresponding to the seven Pasquill stability classes, and for wind speed and wind direction for all stability categories combined. Atmospheric stability was classified per Regulatory Guide 1.23, using the 100-meter to 10-meter temperature difference (ΔT) for the 100-meter JFDs and the 60-meter to 10-meter ΔT for the 10-meter JFDs.

JFDs of 10-Meter Wind vs. Delta T

January-March 2000

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-MAR 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 3/31/ 0

*** JAN-MAR 2000 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	1	0	1	0	0	1	0	0	0	0	0	1	0	1	1	6
3.51- 7.50	1	4	2	4	4	4	0	2	0	1	0	0	0	1	0	0	23
7.51-12.50	7	1	0	0	1	2	2	1	1	1	0	0	0	0	0	0	16
12.51-18.50	7	0	0	0	0	2	1	1	4	0	1	0	0	1	0	2	19
18.51-24.00	0	0	0	0	0	0	0	2	10	1	0	0	1	0	0	2	16
>24.00	0	0	0	0	0	0	0	2	2	0	0	0	1	0	0	2	7
TOTAL	15	6	2	5	5	8	4	8	17	3	1	0	3	2	1	7	87

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	3	3	2	1	1	1	0	1	0	0	0	0	0	0	0	12
7.51-12.50	6	2	0	0	1	2	1	1	1	1	0	0	0	0	2	2	19
12.51-18.50	1	0	0	0	0	1	3	1	2	3	1	0	1	0	1	6	20
18.51-24.00	0	0	0	0	0	0	0	0	2	9	0	0	0	1	2	11	25
>24.00	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	4
TOTAL	7	5	3	2	2	4	5	2	9	14	1	0	1	1	5	19	80

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-MAR 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 3/31/ 0

*** JAN-MAR 2000 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	3
3.51- 7.50	3	3	0	0	2	0	3	1	1	1	0	2	0	0	0	1	17
7.51-12.50	10	2	0	2	2	3	2	1	4	3	1	6	0	3	2	7	48
12.51-18.50	1	0	0	0	0	3	1	2	4	11	3	4	1	2	2	3	37
18.51-24.00	0	0	0	0	0	0	0	1	2	7	1	1	0	5	1	3	21
>24.00	0	0	0	0	0	0	0	0	5	2	0	0	0	4	4	2	17
TOTAL	15	5	1	2	4	6	6	5	16	24	5	13	1	15	9	16	143

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	5	2	2	0	0	0	0	0	2	1	0	0	1	0	0	0	13
3.51- 7.50	18	18	10	11	6	9	7	6	2	3	1	4	1	6	6	10	118
7.51-12.50	21	12	9	17	33	26	21	10	8	10	9	6	2	9	25	14	232
12.51-18.50	32	1	3	4	3	9	13	11	13	26	11	9	6	8	24	25	198
18.51-24.00	8	1	0	0	0	0	1	2	5	7	1	8	3	4	12	13	65
>24.00	0	0	0	0	0	0	0	1	11	5	2	2	3	9	24	23	80
TOTAL	84	34	24	32	42	44	42	30	41	52	24	29	16	36	91	85	706

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-MAR 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 3/31/ 0

*** JAN-MAR 2000 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	4
3.51- 7.50	17	5	7	2	1	2	3	11	7	4	2	2	0	3	2	11	79
7.51-12.50	18	4	0	3	6	6	12	24	23	9	4	2	2	4	3	22	142
12.51-18.50	8	0	0	0	0	4	13	25	26	18	5	2	5	3	3	7	119
18.51-24.00	1	0	0	0	0	0	7	20	10	5	2	8	3	7	7	2	72
>24.00	0	0	0	0	0	0	3	10	2	6	0	3	2	4	16	2	48
TOTAL	44	9	7	5	7	12	38	90	68	42	13	17	13	21	31	47	464

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	3	0	0	1	0	1	0	1	5	2	1	4	0	0	1	5	24
3.51- 7.50	13	0	0	3	0	1	7	15	23	7	3	5	0	1	5	10	93
7.51-12.50	2	0	0	0	0	0	3	13	18	4	2	1	1	3	1	2	50
12.51-18.50	0	0	0	0	0	2	0	2	10	4	2	0	3	0	0	3	26
18.51-24.00	0	0	0	0	0	0	0	0	3	0	0	2	4	1	0	0	10
>24.00	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	3
TOTAL	18	0	0	4	0	4	10	31	59	17	8	14	9	5	7	20	206

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-MAR 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 3/31/ 0

*** JAN-MAR 2000 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	1	0	0	0	3	4	9	3	4	3	2	0	0	2	2	34
3.51- 7.50	7	1	0	1	0	0	6	13	13	3	1	0	0	1	1	6	53
7.51-12.50	0	0	0	0	0	0	0	2	2	0	0	0	0	1	1	1	7
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	8	2	0	1	0	3	10	24	18	7	4	2	1	2	4	9	95

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	10	4	3	2	0	4	5	10	10	7	4	6	3	1	4	11	84
3.51- 7.50	59	34	22	23	14	17	27	48	47	19	7	13	1	12	14	38	395
7.51-12.50	64	21	9	22	43	39	41	52	57	28	16	15	5	20	34	48	514
12.51-18.50	49	1	3	4	3	21	31	42	59	62	23	15	16	14	30	46	419
18.51-24.00	9	1	0	0	0	0	8	25	32	29	4	19	12	18	22	31	210
>24.00	0	0	0	0	0	0	3	13	23	14	2	7	7	17	44	29	159
TOTAL	191	61	37	51	60	81	115	190	228	159	56	75	44	82	148	203	1781

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-MAR 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 3/31/ 0

*** JAN-MAR 2000 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2184

TOTAL NUMBER OF VALID OBSERVATIONS: 1781

TOTAL NUMBER OF MISSING OBSERVATIONS: 403

PERCENT DATA RECOVERY FOR THIS PERIOD: 81.5 %

MEAN WIND SPEED FOR THIS PERIOD: 12.9 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
4.88	4.49	8.03	39.64	26.05	11.57	5.33

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	15	6	2	5	5	8	4	8	17	3	1	0	3	2	1	7	0
B	7	5	3	2	2	4	5	2	9	14	1	0	1	1	5	19	0
C	15	5	1	2	4	6	6	5	16	24	5	13	1	15	9	16	0
D	84	34	24	32	42	44	42	30	41	52	24	29	16	36	91	85	0
E	44	9	7	5	7	12	38	90	68	42	13	17	13	21	31	47	0
F	18	0	0	4	0	4	10	31	59	17	8	14	9	5	7	20	0
G	8	2	0	1	0	3	10	24	18	7	4	2	1	2	4	9	0
TOTAL	191	61	37	51	60	81	115	190	228	159	56	75	44	82	148	203	0

JFDs of 10-Meter Wind vs. Delta T

April-June 2000

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T APR-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/ 0 - 6/30/ 0

*** APR-JUN 2000 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	1	1	1	0	2	2	2	1	5	4	2	1	1	0	4	1	28
7.51-12.50	9	2	2	0	1	2	2	0	1	4	1	2	1	1	10	10	48
12.51-18.50	10	1	1	0	0	0	0	40	23	6	3	1	1	2	9	15	112
18.51-24.00	0	0	0	0	0	0	3	14	17	5	0	0	1	1	2	3	46
>24.00	0	0	0	0	0	0	0	2	37	7	2	1	0	0	3	5	57
TOTAL	20	4	4	0	3	4	7	57	83	26	8	5	4	4	28	34	291

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	2	3	3	1	0	0	2	1	0	0	1	2	0	0	0	2	17
7.51-12.50	3	0	1	1	3	3	7	12	6	1	1	3	0	2	3	8	54
12.51-18.50	2	0	0	1	4	7	7	11	6	2	5	5	4	2	8	8	72
18.51-24.00	0	0	1	0	0	0	2	4	7	0	0	0	2	2	4	5	27
>24.00	0	0	0	0	0	0	0	1	2	2	0	1	0	0	4	8	18
TOTAL	7	3	5	3	7	10	18	29	21	5	7	11	6	6	19	31	188

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T APR-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/ 0 - 6/30/ 0

*** APR-JUN 2000 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
3.51- 7.50	0	2	2	0	1	0	0	9	1	4	0	0	2	0	1	3	25
7.51-12.50	4	3	1	1	0	4	7	6	9	3	1	3	5	0	7	8	62
12.51-18.50	1	1	0	1	4	3	7	7	3	11	3	2	4	4	8	4	63
18.51-24.00	0	1	0	0	0	0	0	5	7	2	2	2	1	1	2	2	25
>24.00	0	0	0	0	0	0	0	3	3	0	0	1	0	1	5	6	19
TOTAL	5	7	3	2	5	7	14	30	24	20	6	8	12	6	23	23	195

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	2	1	1	0	0	1	1	2	0	0	2	0	0	0	0	11
3.51- 7.50	12	13	7	11	7	14	14	15	8	7	2	5	2	2	2	8	129
7.51-12.50	21	11	9	7	22	19	22	14	17	14	7	5	6	8	14	13	209
12.51-18.50	12	4	2	1	9	5	18	31	22	16	7	4	4	14	6	29	184
18.51-24.00	0	0	1	0	0	1	2	16	26	7	3	4	5	12	9	21	107
>24.00	0	0	0	0	0	0	0	2	12	2	0	1	7	4	15	19	62
TOTAL	46	30	20	20	38	39	57	79	87	46	19	21	24	40	46	90	702

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T APR-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/ 0 - 6/30/ 0

*** APR-JUN 2000 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	1	0	0	0	0	0	3	2	1	0	1	3	2	5	2	21
3.51- 7.50	6	4	7	3	3	2	5	12	22	9	2	1	1	1	4	13	95
7.51-12.50	8	2	0	7	5	8	12	23	17	4	4	1	1	6	5	7	110
12.51-18.50	3	0	0	1	6	11	4	38	31	10	7	4	3	10	6	10	144
18.51-24.00	0	0	0	0	0	1	2	10	19	8	0	0	4	6	8	3	61
>24.00	0	0	0	0	0	1	1	0	15	2	0	0	1	1	9	9	39
TOTAL	18	7	7	11	14	23	24	86	106	34	13	7	13	26	37	44	470

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	5	1	0	0	0	0	1	6	7	4	3	1	2	2	2	10	44
3.51- 7.50	6	1	0	0	0	1	1	10	17	4	1	3	1	2	7	14	68
7.51-12.50	0	0	2	0	0	0	0	3	15	4	0	0	0	2	1	0	27
12.51-18.50	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL	11	2	2	0	0	1	2	19	39	13	4	4	3	7	11	24	142

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T APR-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/ 0 - 6/30/ 0

*** APR-JUN 2000 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	4	2	0	0	0	0	3	7	2	2	0	1	1	2	4	3	31
3.51- 7.50	5	2	1	0	0	0	1	10	3	0	0	3	1	1	4	9	40
7.51-12.50	1	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	4
12.51-18.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	10	4	1	0	0	0	4	17	6	2	1	4	3	4	8	12	76

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	11	6	1	1	0	0	5	17	14	7	3	5	6	6	11	15	108
3.51- 7.50	32	26	21	15	13	19	25	58	56	28	8	15	8	6	22	50	402
7.51-12.50	46	18	15	16	31	36	50	58	66	30	14	14	14	20	40	46	514
12.51-18.50	28	6	3	4	23	26	36	127	85	46	26	16	16	33	37	66	578
18.51-24.00	0	1	2	0	0	2	9	49	76	22	5	6	13	22	25	34	266
>24.00	0	0	0	0	0	1	1	8	69	13	2	4	8	6	37	47	196
TOTAL	117	57	42	36	67	84	126	317	366	146	58	60	65	93	172	258	2064

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T APR-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/ 0 - 6/30/ 0

*** APR-JUN 2000 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2184

TOTAL NUMBER OF VALID OBSERVATIONS: 2064

TOTAL NUMBER OF MISSING OBSERVATIONS: 120

PERCENT DATA RECOVERY FOR THIS PERIOD: 94.5 %

MEAN WIND SPEED FOR THIS PERIOD: 13.4 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
14.10	9.11	9.45	34.01	22.77	6.88	3.68

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	20	4	4	0	3	4	7	57	83	26	8	5	4	4	28	34	0
B	7	3	5	3	7	10	18	29	21	5	7	11	6	6	19	31	0
C	5	7	3	2	5	7	14	30	24	20	6	8	12	6	23	23	0
D	46	30	20	20	38	39	57	79	87	46	19	21	24	40	46	90	0
E	18	7	7	11	14	23	24	86	106	34	13	7	13	26	37	44	0
F	11	2	2	0	0	1	2	19	39	13	4	4	3	7	11	24	0
G	10	4	1	0	0	0	4	17	6	2	1	4	3	4	8	12	0
TOTAL	117	57	42	36	67	84	126	317	366	146	58	60	65	93	172	258	0

JFDs of 10-Meter Wind vs. Delta T

January-June 2000

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 6/30/ 0

*** JAN-JUN 2000 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	1	0	1	0	0	1	0	0	0	0	0	1	0	1	1	6
3.51- 7.50	2	5	3	4	6	6	2	3	5	5	2	1	1	1	4	1	51
7.51-12.50	16	3	2	0	2	4	4	1	2	5	1	2	1	1	10	10	64
12.51-18.50	17	1	1	0	0	2	1	41	27	6	4	1	1	3	9	17	131
18.51-24.00	0	0	0	0	0	0	3	16	27	6	0	0	2	1	2	5	62
>24.00	0	0	0	0	0	0	0	4	39	7	2	1	1	0	3	7	64
TOTAL	35	10	6	5	8	12	11	65	100	29	9	5	7	6	29	41	378

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	2	6	6	3	1	1	3	1	1	0	1	2	0	0	0	2	29
7.51-12.50	9	2	1	1	4	5	8	13	7	2	1	3	0	2	5	10	73
12.51-18.50	3	0	0	1	4	8	10	12	8	5	6	5	5	2	9	14	92
18.51-24.00	0	0	1	0	0	0	2	4	9	9	0	0	2	3	6	16	52
>24.00	0	0	0	0	0	0	0	1	5	3	0	1	0	0	4	8	22
TOTAL	14	8	8	5	9	14	23	31	30	19	8	11	7	7	24	50	268

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 6/30/ 0

*** JAN-JUN 2000 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	4
3.51- 7.50	3	5	2	0	3	0	3	10	2	5	0	2	2	0	1	4	42
7.51-12.50	14	5	1	3	2	7	9	7	13	6	2	9	5	3	9	15	110
12.51-18.50	2	1	0	1	4	6	8	9	7	22	6	6	5	6	10	7	100
18.51-24.00	0	1	0	0	0	0	0	6	9	9	3	3	1	6	3	5	46
>24.00	0	0	0	0	0	0	0	3	8	2	0	1	0	5	9	8	36
TOTAL	20	12	4	4	9	13	20	35	40	44	11	21	13	21	32	39	338

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	6	4	3	1	0	0	1	1	4	1	0	2	1	0	0	0	24
3.51- 7.50	30	31	17	22	13	23	21	21	10	10	3	9	3	8	8	18	247
7.51-12.50	42	23	18	24	55	45	43	24	25	24	16	11	8	17	39	27	441
12.51-18.50	44	5	5	5	12	14	31	42	35	42	18	13	10	22	30	54	382
18.51-24.00	8	1	1	0	0	1	3	18	31	14	4	12	8	16	21	34	172
>24.00	0	0	0	0	0	0	0	3	23	7	2	3	10	13	39	42	142
TOTAL	130	64	44	52	80	83	99	109	128	98	43	50	40	76	137	175	1408

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 6/30/ 0

*** JAN-JUN 2000 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	1	0	0	0	0	0	3	2	1	0	1	4	2	5	5	25
3.51- 7.50	23	9	14	5	4	4	8	23	29	13	4	3	1	4	6	24	174
7.51-12.50	26	6	0	10	11	14	24	47	40	13	8	3	3	10	8	29	252
12.51-18.50	11	0	0	1	6	15	17	63	57	28	12	6	8	13	9	17	263
18.51-24.00	1	0	0	0	0	1	9	30	29	13	2	8	7	13	15	5	133
>24.00	0	0	0	0	0	1	4	10	17	8	0	3	3	5	25	11	87
TOTAL	62	16	14	16	21	35	62	176	174	76	26	24	26	47	68	91	934

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	8	1	0	1	0	1	1	7	12	6	4	5	2	2	3	15	68
3.51- 7.50	19	1	0	3	0	2	8	25	40	11	4	8	1	3	12	24	161
7.51-12.50	2	0	2	0	0	0	3	16	33	8	2	1	1	5	2	2	77
12.51-18.50	0	0	0	0	0	2	0	2	10	5	2	0	3	1	0	3	28
18.51-24.00	0	0	0	0	0	0	0	0	3	0	0	2	4	1	0	0	10
>24.00	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	0	4
TOTAL	29	2	2	4	0	5	12	50	98	30	12	18	12	12	18	44	348

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 6/30/ 0

*** JAN-JUN 2000 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	5	3	0	0	0	3	7	16	5	6	3	3	1	2	6	5	65
3.51- 7.50	12	3	1	1	0	0	7	23	16	3	1	3	1	2	5	15	93
7.51-12.50	1	0	0	0	0	0	0	2	3	0	0	0	1	2	1	1	11
12.51-18.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	18	6	1	1	0	3	14	41	24	9	5	6	4	6	12	21	171

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	21	10	4	3	0	4	10	27	24	14	7	11	9	7	15	26	192
3.51- 7.50	91	60	43	38	27	36	52	106	103	47	15	28	9	18	36	88	797
7.51-12.50	110	39	24	38	74	75	91	110	123	58	30	29	19	40	74	94	1028
12.51-18.50	77	7	6	8	26	47	67	169	144	108	49	31	32	47	67	112	997
18.51-24.00	9	2	2	0	0	2	17	74	108	51	9	25	25	40	47	65	476
>24.00	0	0	0	0	0	1	4	21	92	27	4	11	15	23	81	76	355
TOTAL	308	118	79	87	127	165	241	507	594	305	114	135	109	175	320	461	3845

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 6/30/ 0

*** JAN-JUN 2000 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 4368

TOTAL NUMBER OF VALID OBSERVATIONS: 3845

TOTAL NUMBER OF MISSING OBSERVATIONS: 523

PERCENT DATA RECOVERY FOR THIS PERIOD: 88.0 %

MEAN WIND SPEED FOR THIS PERIOD: 13.1 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
9.83	6.97	8.79	36.62	24.29	9.05	4.45

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	35	10	6	5	8	12	11	65	100	29	9	5	7	6	29	41	0
B	14	8	8	5	9	14	23	31	30	19	8	11	7	7	24	50	0
C	20	12	4	4	9	13	20	35	40	44	11	21	13	21	32	39	0
D	130	64	44	52	80	83	99	109	128	98	43	50	40	76	137	175	0
E	62	16	14	16	21	35	62	176	174	76	26	24	26	47	68	91	0
F	29	2	2	4	0	5	12	50	98	30	12	18	12	12	18	44	0
G	18	6	1	1	0	3	14	41	24	9	5	6	4	6	12	21	0
TOTAL	308	118	79	87	127	165	241	507	594	305	114	135	109	175	320	461	0

Stability Classes by Hour of Day

10-Meter Wind vs. Delta T

January-June 2000

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 6/30/ 0

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

			HOURLY STABILITIES																							
			HOURS																							
YR	MN	DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	1	1	G	G	F	F	F	F	F	F	F	E	D	D	D	D	E	E	F	G	G	F	F	F	F	F
0	1	2	F	-	-	-	-	-	-	A	B	C	C	D	D	D	D	D	D	D	D	D	D	C	C	C
0	1	3	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	C	C	D	D	C	C	C	C
0	1	4	D	D	D	D	D	D	D	D	C	C	C	B	C	D	D	D	E	F	F	F	F	E	E	E
0	1	5	E	E	E	E	E	E	E	D	D	D	D	C	D	D	D	D	D	E	E	E	E	F	F	F
0	1	6	E	E	E	E	E	E	F	F	F	D	D	D	D	D	D	D	E	E	F	E	F	F	F	G
0	1	7	E	F	G	G	G	F	E	E	F	D	C	C	C	D	D	D	E	E	E	F	F	F	F	F
0	1	8	E	E	E	F	F	F	F	E	E	D	D	D	D	D	D	D	D	D	E	E	D	D	A	A
0	1	9	-	-	-	-	-	-	-	-	-	-	-	A	C	D	D	D	D	D	D	C	C	D	E	E
0	1	10	F	F	F	E	E	E	E	E	E	D	D	D	D	D	D	D	E	E	E	E	E	E	E	E
0	1	11	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E
0	1	12	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E
0	1	13	D	D	D	D	D	D	D	D	D	D	B	D	D	D	D	D	D	E	F	F	F	G	F	G
0	1	14	F	F	F	F	E	E	E	E	E	D	D	C	D	D	D	D	E	E	E	F	F	F	F	F
0	1	15	F	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	E	F	F	G	G	G	F	E
0	1	16	E	E	D	D	D	D	D	D	D	C	C	D	D	D	D	D	D	D	D	D	D	D	D	D
0	1	17	D	D	A	A	A	A	A	A	A	B	B	C	D	D	D	D	D	C	C	B	C	B	C	A
0	1	18	A	-	-	-	-	-	-	-	-	-	-	A	D	D	D	D	D	F	G	G	G	G	G	G
0	1	19	G	F	F	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
0	1	20	D	D	D	D	D	D	E	E	D	D	D	D	D	D	C	C	D	E	F	F	F	F	F	F
0	1	21	F	E	E	F	F	F	G	G	G	D	D	D	C	B	D	D	D	E	E	E	E	E	E	E
0	1	22	E	F	F	E	E	E	F	F	F	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E
0	1	23	D	D	D	C	C	D	D	D	C	-	-	-	-	-	-	D	D	E	E	E	F	G	G	F
0	1	24	G	E	E	E	E	E	F	E	E	D	D	C	C	C	D	D	D	E	F	E	E	D	D	D
0	1	25	D	D	D	D	D	D	D	D	D	D	B	B	A	A	B	D	D	E	E	E	E	E	E	D
0	1	26	E	D	D	D	D	D	E	E	D	D	D	D	C	D	D	D	D	D	E	E	E	E	E	E
0	1	27	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E
0	1	28	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	B	A	A	A	A	A
0	1	29	C	B	A	A	B	B	C	C	D	C	D	D	D	C	C	C	D	D	C	B	D	D	D	D
0	1	30	B	C	D	D	D	C	D	D	B	C	C	D	D	D	D	D	D	D	E	E	F	F	F	F
0	1	31	E	E	F	F	F	F	F	E	D	C	C	C	D	D	D	D	D	E	E	F	F	E	E	D
0	2	1	E	E	E	E	E	E	E	E	E	D	C	C	D	D	D	D	D	D	D	F	F	F	F	G
0	2	2	F	F	E	F	E	E	D	D	D	B	C	C	B	B	C	D	D	E	E	E	E	E	E	E
0	2	3	E	F	F	E	E	E	E	E	D	D	D	D	C	C	D	D	D	E	E	E	E	E	E	D
0	2	4	D	D	D	D	D	D	D	D	D	D	C	B	B	B	D	D	D	E	E	E	E	E	F	G
0	2	5	G	F	F	F	F	F	E	F	E	D	C	C	B	C	C	D	D	E	F	F	F	F	E	E
0	2	6	E	E	E	E	E	E	E	E	E	D	C	C	C	C	C	D	D	E	F	G	F	-	-	-
0	2	7	-	-	-	-	-	-	-	-	-	-	-	-	B	B	B	B	D	E	E	E	E	E	F	F
0	2	8	F	F	G	G	G	G	G	G	E	D	C	B	B	B	B	C	D	E	F	F	E	E	E	E
0	2	9	E	E	E	F	G	G	G	G	G	D	D	D	D	D	D	D	D	E	E	F	F	F	F	F
0	2	10	F	G	G	F	E	E	E	D	B	A	A	B	B	C	C	D	D	D	D	D	D	D	D	D
0	2	11	D	D	D	D	D	D	C	-	-	-	-	A	D	D	D	B	-	-	-	-	-	-	-	-
0	2	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	2	14	-	-	-	-	-	-	D	D	C	A	C	C	C	B	B	C	D	D	E	E	E	E	E	E

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 6/30/ 0

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

			HOURLY STABILITIES																							
			HOURS																							
YR	MN	DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	2	15	D	D	E	E	E	D	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	2	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	2	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	2	18	-	-	-	-	-	-	-	-	-	-	-	B	B	B	C	C	D	D	D	D	D	D	D	D
0	2	19	D	C	D	C	C	C	C	D	C	C	C	C	C	D	D	D	D	D	E	F	F	F	F	F
0	2	20	G	F	F	F	G	G	G	F	E	D	D	D	C	B	B	C	D	E	F	F	E	E	E	E
0	2	21	E	E	E	E	E	E	E	E	E	D	C	C	B	B	C	D	E	E	F	E	E	E	E	E
0	2	22	E	E	E	E	E	E	C	A	A	A	A	A	A	A	A	A	B	D	D	A	-	-	-	-
0	2	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	2	24	-	-	-	-	-	-	-	-	-	-	-	A	B	B	A	A	D	D	E	E	E	E	E	E
0	2	25	E	E	D	-	-	-	-	-	-	-	-	A	A	B	D	D	E	E	E	E	E	E	E	F
0	2	26	E	E	F	E	E	E	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	2	27	-	-	-	-	-	-	-	-	-	D	D	D	D	D	D	D	D	E	F	F	G	G	G	F
0	2	28	G	G	E	F	F	F	F	F	E	D	D	B	C	D	D	D	D	E	E	E	E	E	E	E
0	2	29	E	E	E	E	E	E	E	E	D	E	E	D	D	D	D	D	D	D	D	D	E	E	E	E
0	3	1	E	E	F	E	E	F	E	E	E	D	B	B	B	A	C	C	D	D	E	E	E	F	F	G
0	3	2	G	F	F	E	F	E	E	E	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E
0	3	3	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	E	G	G	G	G	G
0	3	4	F	F	F	E	E	F	F	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	3	5	-	-	-	-	-	-	-	-	-	-	-	B	C	A	A	A	C	D	E	E	E	E	E	E
0	3	6	D	D	E	E	E	E	E	E	D	C	B	A	A	A	A	A	C	D	E	E	E	E	E	E
0	3	7	E	E	E	E	E	E	E	E	D	D	D	C	A	A	A	C	D	D	E	E	E	E	E	E
0	3	8	E	E	E	E	E	E	E	E	D	D	C	D	D	C	D	D	D	D	D	D	D	D	D	D
0	3	9	D	D	D	D	D	D	D	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	3	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	D	D	D	D	D	E	E	D
0	3	11	E	E	E	E	E	E	E	E	D	B	B	A	A	C	C	D	D	D	F	G	G	G	G	G
0	3	12	F	G	G	F	G	F	F	F	E	D	D	B	B	C	B	D	D	D	D	E	E	E	E	D
0	3	13	D	D	D	D	D	D	D	D	D	D	C	C	C	C	C	D	D	D	E	F	G	G	G	F
0	3	14	F	F	F	F	F	E	E	E	E	E	D	D	E	D	C	D	D	D	E	F	E	E	E	F
0	3	15	F	F	F	F	F	-	-	-	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
0	3	16	D	D	D	D	D	D	D	-	-	-	-	A	A	A	A	B	D	D	E	E	E	E	E	E
0	3	17	E	D	D	E	E	E	E	D	D	C	C	A	B	B	B	C	D	D	D	D	D	D	D	D
0	3	18	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	C	B	B
0	3	19	A	A	A	A	C	D	B	C	C	A	A	A	D	D	E	E	E	D	D	D	D	D	D	D
0	3	20	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
0	3	21	D	D	B	A	A	A	A	A	B	C	D	C	D	C	D	D	D	D	E	E	E	E	E	D
0	3	22	D	A	-	-	-	-	-	-	-	-	A	A	B	C	D	D	D	D	D	D	D	D	D	D
0	3	23	D	D	D	D	C	B	B	A	A	A	B	C	D	D	D	D	D	D	E	-	-	-	-	-
0	3	24	-	-	-	-	-	-	-	-	-	A	B	C	A	A	C	D	D	D	E	F	G	G	G	G
0	3	25	G	G	F	F	F	G	G	G	D	D	D	C	D	D	D	D	D	D	E	F	G	G	G	F
0	3	26	F	G	G	F	F	G	F	F	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	F
0	3	27	G	G	F	F	F	G	F	E	D	D	D	C	C	C	C	D	D	D	E	E	E	D	D	D
0	3	28	D	D	D	D	D	E	D	-	-	-	B	C	A	B	A	C	D	D	E	F	G	G	G	G
0	3	29	G	G	G	G	F	F	F	E	D	D	D	C	A	C	B	C	C	D	D	E	F	F	E	E
0	3	30	D	D	E	F	F	E	F	E	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 6/30/ 0

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

			HOURLY STABILITIES																							
			HOURS																							
YR	MN	DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	3	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	4	2	-	-	-	-	-	E	E	D	D	D	C	C	B	B	B	C	D	D	D	D	D	E	E	E
0	4	3	E	E	D	D	D	D	D	D	D	C	B	B	B	C	C	D	D	D	D	D	E	E	E	E
0	4	4	E	E	E	E	E	E	E	D	D	D	C	B	C	C	B	B	D	D	E	F	F	F	F	F
0	4	5	E	E	E	E	E	E	E	D	D	D	C	C	B	D	D	C	D	D	D	E	E	E	F	F
0	4	6	E	E	E	E	E	E	E	D	D	D	C	D	D	D	D	C	D	D	E	F	E	E	E	E
0	4	7	E	E	E	E	E	D	D	D	D	D	C	C	D	D	D	D	D	D	D	D	E	E	E	E
0	4	8	E	E	E	E	E	E	D	D	D	C	D	B	B	B	A	C	C	D	D	E	F	E	E	E
0	4	9	E	E	E	E	F	G	E	D	D	C	B	D	D	C	C	D	D	D	E	E	E	E	E	E
0	4	10	D	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E
0	4	11	D	B	A	A	A	A	A	B	C	B	A	A	A	A	A	C	D	D	D	E	E	E	F	F
0	4	12	F	F	F	F	G	G	F	D	C	B	A	A	A	A	A	A	A	D	D	E	E	E	E	E
0	4	13	E	E	E	F	E	E	E	D	C	B	A	A	A	A	A	A	A	D	D	E	E	E	E	E
0	4	14	E	E	E	E	D	D	D	B	A	A	A	A	A	A	A	A	A	D	D	E	E	F	F	F
0	4	15	E	E	D	D	D	D	D	D	D	D	D	C	D	D	C	D	D	D	D	D	D	D	D	D
0	4	16	D	D	D	D	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	A
0	4	17	A	A	A	A	B	B	B	B	B	B	C	D	D	C	D	D	D	D	D	E	E	E	E	E
0	4	18	E	E	E	E	D	D	D	C	D	B	B	B	B	B	A	A	D	D	D	E	E	E	E	E
0	4	19	E	E	E	D	D	D	D	D	D	C	B	B	B	B	A	A	C	D	D	D	D	D	D	D
0	4	20	D	D	D	D	D	B	A	A	A	B	B	C	D	D	D	D	D	D	D	D	E	E	E	E
0	4	21	E	E	E	E	E	E	D	D	D	C	C	C	B	C	C	C	C	D	D	E	F	F	F	G
0	4	22	F	F	F	F	G	F	D	C	B	A	A	A	A	A	A	C	D	E	E	E	E	F	-	-
0	4	23	E	E	E	E	E	E	E	D	D	B	D	B	C	B	B	D	D	D	D	E	E	F	E	E
0	4	24	D	D	D	D	D	D	C	C	B	B	B	B	B	B	B	C	D	D	D	E	E	F	F	F
0	4	25	G	F	F	F	F	E	D	B	A	B	C	D	C	B	B	C	D	D	F	G	G	G	G	G
0	4	26	F	G	G	F	G	G	E	D	C	B	A	B	A	C	D	D	D	E	E	E	D	D	A	A
0	4	27	A	D	D	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	D
0	4	28	A	A	A	A	A	A	A	C	C	C	B	B	C	C	D	D	D	D	E	F	G	G	G	G
0	4	29	F	F	E	E	E	D	D	D	C	C	B	B	B	B	B	C	D	D	E	E	E	E	E	E
0	4	30	E	E	E	E	E	D	D	D	C	B	A	A	A	-	-	-	-	-	-	-	-	-	-	-
0	5	1	-	-	-	-	-	A	B	A	A	A	A	A	C	D	D	D	D	D	D	D	E	E	E	D
0	5	2	E	E	E	E	F	F	F	D	C	D	C	B	B	B	B	C	D	E	F	G	G	G	-	-
0	5	3	F	E	F	F	F	F	F	D	D	D	C	C	D	D	D	D	D	D	D	E	F	F	G	F
0	5	4	F	F	F	F	E	E	E	D	C	C	B	B	A	A	A	A	C	C	C	D	E	F	F	-
0	5	5	-	E	E	E	E	E	C	C	B	A	A	A	A	A	A	A	C	D	E	E	E	E	E	E
0	5	6	E	E	E	D	D	B	B	B	B	B	B	A	A	B	A	A	C	D	D	E	E	E	D	D
0	5	7	D	D	C	C	C	D	A	A	A	A	B	D	B	C	C	B	C	D	D	D	D	D	D	-
0	5	8	D	D	E	C	C	C	C	B	B	B	B	B	C	C	D	D	D	D	D	C	B	A	A	B
0	5	9	B	A	A	A	A	A	A	D	C	D	D	C	C	D	D	D	D	D	E	G	G	G	G	G
0	5	10	G	F	F	F	F	E	E	D	D	D	D	A	C	A	C	C	B	D	D	D	D	D	D	-
0	5	11	D	D	E	D	D	D	D	B	A	A	A	A	A	A	A	C	D	E	D	D	D	D	D	-
0	5	12	E	D	D	D	D	D	D	D	D	D	A	A	D	C	C	C	B	D	D	D	D	E	E	-
0	5	13	E	E	D	D	E	D	D	D	B	A	A	A	B	B	B	B	D	D	E	F	-	-	-	-
0	5	14	-	-	-	-	-	F	D	D	C	C	D	A	C	D	D	D	D	D	D	E	E	E	E	E

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 6/30/ 0

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

			HOURLY STABILITIES																							
			HOURS																							
YR	MN	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	5	15	F	F	F	E	E	D	D	D	C	C	A	A	A	A	A	A	A	B	D	D	D	D	D	E
0	5	16	E	D	E	E	E	D	D	D	B	A	A	A	B	A	C	C	C	D	D	D	D	D	D	-
0	5	17	D	D	D	D	D	D	D	D	D	D	D	D	C	C	C	C	D	D	D	D	D	D	D	E
0	5	18	E	E	E	E	E	D	D	D	D	A	A	B	A	A	C	C	C	D	D	D	D	D	D	D
0	5	19	D	D	B	D	D	D	D	D	D	D	D	C	C	C	D	D	D	D	D	D	D	D	E	F
0	5	20	E	F	E	E	E	F	E	C	C	B	B	A	B	A	A	A	B	B	D	E	D	E	E	E
0	5	21	E	E	E	E	E	E	D	D	C	C	C	C	A	A	B	C	D	D	E	F	G	F	G	G
0	5	22	F	F	E	E	E	E	D	D	B	C	B	C	B	A	C	D	D	E	G	F	F	F	F	-
0	5	23	G	F	F	G	G	G	E	D	D	D	D	A	B	D	D	D	D	D	E	G	F	F	G	-
0	5	24	G	G	F	G	G	G	F	E	D	C	C	D	C	D	D	D	D	D	D	E	E	E	E	-
0	5	25	E	F	G	G	G	G	F	E	D	C	D	D	A	A	C	D	D	D	D	E	E	E	E	-
0	5	26	D	E	D	E	D	-	-	-	-	-	-	-	-	-	-	-	-	-	D	D	E	D	D	-
0	5	27	-	-	B	C	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E
0	5	28	E	E	E	D	D	B	B	C	C	C	C	D	A	B	D	D	D	D	B	D	E	D	D	D
0	5	29	D	D	D	D	D	D	D	D	C	C	A	B	A	A	A	A	A	C	D	E	E	E	E	E
0	5	30	D	D	E	E	E	E	E	D	B	A	A	A	A	A	A	A	A	C	D	E	D	E	D	-
0	5	31	D	E	E	D	D	D	E	D	D	B	A	A	A	A	A	A	A	B	D	D	E	D	E	-
0	6	1	D	E	E	E	E	E	D	C	C	D	D	C	A	B	D	A	B	B	D	D	D	E	B	A
0	6	2	A	A	E	E	E	E	D	D	C	B	B	B	A	A	B	B	C	D	D	E	G	G	G	G
0	6	3	F	F	F	E	E	E	D	D	B	A	A	A	A	B	B	B	A	A	A	E	E	E	E	E
0	6	4	E	E	E	E	E	E	D	D	D	D	B	A	B	C	A	C	B	D	D	D	E	E	E	D
0	6	5	D	D	D	D	D	D	D	D	B	A	A	A	A	A	A	A	B	C	D	D	E	E	F	F
0	6	6	F	F	E	E	E	E	E	C	B	A	A	A	A	A	A	A	A	A	D	E	E	E	E	E
0	6	7	E	E	E	E	E	E	D	C	A	A	A	A	A	A	A	A	A	C	D	E	C	E	E	E
0	6	8	E	E	E	E	E	E	D	D	D	D	C	B	A	C	A	A	A	D	E	E	E	E	E	-
0	6	9	E	E	E	E	E	E	D	D	C	B	B	A	A	A	A	A	C	C	D	D	D	D	D	-
0	6	10	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	C	C	C	C	D	D	D	D	-
0	6	11	D	D	D	D	D	C	B	C	C	C	C	C	C	C	C	C	C	C	D	D	B	B	D	D
0	6	12	D	D	E	D	B	A	B	A	D	A	A	A	A	A	A	A	A	D	D	E	E	E	E	-
0	6	13	D	E	E	E	D	D	D	C	B	C	C	B	B	D	D	D	D	D	B	A	A	A	A	A
0	6	14	B	D	D	D	E	E	D	D	D	D	D	D	C	D	D	D	C	D	E	F	G	G	G	G
0	6	15	G	G	F	F	F	F	E	D	D	B	B	D	D	D	D	D	D	D	E	E	D	E	D	D
0	6	16	A	A	A	A	A	A	A	B	D	D	B	A	A	A	A	B	B	A	C	E	F	E	F	F
0	6	17	F	F	E	D	D	D	D	D	C	D	C	D	D	D	D	D	D	D	E	E	E	F	F	F
0	6	18	F	E	F	F	F	F	E	D	C	B	B	B	A	A	A	A	B	D	E	E	F	F	F	F
0	6	19	F	E	E	E	D	D	B	A	B	A	A	A	A	B	C	D	D	D	D	D	D	D	D	D
0	6	20	D	D	A	A	A	A	A	A	A	B	C	C	B	A	A	C	B	C	D	F	G	F	G	-
0	6	21	E	F	G	F	E	E	E	D	D	D	C	C	B	C	D	D	D	E	E	F	F	E	E	E
0	6	22	E	E	G	G	G	G	E	D	B	B	C	A	B	D	D	D	E	E	E	E	E	E	E	-
0	6	23	E	E	E	E	E	D	D	D	D	D	B	A	B	D	E	E	D	A	E	D	-	-	-	-
0	6	24	-	-	-	-	-	-	-	-	-	C	C	B	A	B	B	B	D	D	D	F	G	G	F	G
0	6	25	F	F	F	E	E	D	D	C	D	D	D	A	A	A	D	E	B	A	A	D	A	A	A	A
0	6	26	A	A	A	A	A	A	B	B	A	A	A	A	A	B	C	C	D	D	D	D	E	G	G	G
0	6	27	F	F	E	A	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E
0	6	28	E	E	E	E	E	E	D	D	D	D	D	D	D	D	B	A	A	B	D	F	G	G	G	G

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 6/30/ 0

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

			HOURLY STABILITIES																							
			HOURS																							
YR	MN	DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	6	29	E	E	F	E	E	F	E	D	D	B	C	B	A	A	C	D	D	D	E	E	E	E	E	-
0	6	30	E	E	E	E	E	F	E	D	D	D	D	D	A	A	D	D	D	D	D	F	F	E	E	-

JFDs of 10-Meter Wind vs. Delta T

July-September 2000

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-SEP 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 9/30/ 0

*** JUL-SEP 2000 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
3.51- 7.50	3	5	0	0	1	3	1	1	0	2	3	0	0	0	1	8	28
7.51-12.50	9	0	1	2	3	7	5	13	8	8	2	0	0	0	1	11	70
12.51-18.50	3	0	0	3	2	7	15	25	19	6	3	4	0	1	1	11	100
18.51-24.00	0	0	0	0	0	0	5	4	10	0	0	0	0	0	1	2	22
>24.00	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
TOTAL	15	6	1	5	6	17	27	43	39	16	8	4	0	1	4	32	224

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3.51- 7.50	4	4	2	0	0	0	0	1	2	0	0	1	0	0	0	0	14
7.51-12.50	3	1	1	4	1	5	9	6	3	5	2	0	0	0	1	7	48
12.51-18.50	3	0	0	2	3	14	11	9	7	1	0	0	0	0	0	4	54
18.51-24.00	0	0	0	0	0	0	1	0	4	1	0	0	0	1	0	1	8
>24.00	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5
TOTAL	10	6	3	6	4	19	21	16	21	7	2	1	0	1	1	12	130

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-SEP 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 9/30/ 0

*** JUL-SEP 2000 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
3.51- 7.50	11	4	8	2	1	0	2	2	1	3	1	3	0	2	0	2	42
7.51-12.50	9	7	3	2	5	4	6	5	2	7	0	1	0	0	1	8	60
12.51-18.50	0	1	0	2	3	6	7	4	3	5	0	0	0	1	0	5	37
18.51-24.00	0	0	0	0	0	0	1	0	1	1	0	0	0	2	1	0	6
>24.00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
TOTAL	21	12	11	6	9	10	17	11	8	17	1	4	0	5	2	15	149

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	2	0	0	0	0	0	0	0	1	0	1	0	0	0	5	11
3.51- 7.50	35	32	20	16	16	9	14	9	11	11	4	0	0	1	5	13	196
7.51-12.50	30	15	8	13	30	51	50	17	16	12	11	0	0	3	3	34	293
12.51-18.50	3	1	1	1	10	10	19	11	7	6	0	2	0	0	2	20	93
18.51-24.00	0	0	0	1	0	0	3	0	4	2	0	0	0	0	2	3	15
>24.00	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
TOTAL	70	50	29	31	56	70	86	37	41	32	15	3	0	4	12	75	611

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-SEP 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 9/30/ 0

*** JUL-SEP 2000 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	1	0	0	0	0	1	0	2	0	0	1	0	1	1	0	7
3.51- 7.50	25	17	12	7	3	8	7	15	22	6	2	1	0	1	4	22	152
7.51-12.50	20	13	11	16	20	13	38	37	28	9	5	0	1	1	1	24	237
12.51-18.50	1	1	0	1	8	4	33	38	35	7	2	0	0	0	3	5	138
18.51-24.00	1	1	0	1	0	0	3	11	18	2	0	0	0	0	0	4	41
>24.00	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	3
TOTAL	47	33	23	25	31	25	82	101	107	24	9	2	1	3	9	56	578

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	3	2	1	0	0	0	0	1	5	6	4	2	0	3	3	5	35
3.51- 7.50	11	6	4	2	0	0	1	13	9	8	4	0	0	0	5	21	84
7.51-12.50	0	1	0	1	0	1	0	7	16	6	5	1	2	1	3	2	46
12.51-18.50	0	0	0	0	0	0	0	3	3	1	2	0	0	0	0	0	9
18.51-24.00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
TOTAL	15	9	5	3	0	1	1	24	33	21	15	3	2	5	11	28	176

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-SEP 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 9/30/ 0

*** JUL-SEP 2000 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	2	0	1	0	0	1	4	3	5	5	2	2	1	7	5	40
3.51- 7.50	2	1	1	0	0	0	3	14	6	4	3	1	0	2	4	7	48
7.51-12.50	0	0	0	0	0	0	0	3	4	2	1	1	0	0	1	1	13
12.51-18.50	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	3
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4	3	1	1	0	0	4	21	14	11	10	5	2	3	12	13	104

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	8	9	1	1	0	0	4	5	10	13	9	6	2	5	11	15	99
3.51- 7.50	91	69	47	27	21	20	28	55	51	34	17	6	0	6	19	73	564
7.51-12.50	71	37	24	38	59	81	108	88	77	49	26	3	3	5	11	87	767
12.51-18.50	10	3	1	9	26	41	85	90	75	26	8	7	0	2	6	45	434
18.51-24.00	2	1	0	2	0	0	13	15	37	6	0	0	0	3	4	10	93
>24.00	0	0	0	0	0	0	0	0	13	0	0	0	0	1	0	1	15
TOTAL	182	119	73	77	106	142	238	253	263	128	60	22	5	22	51	231	1972

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-SEP 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 9/30/ 0

*** JUL-SEP 2000 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2208

TOTAL NUMBER OF VALID OBSERVATIONS: 1972

TOTAL NUMBER OF MISSING OBSERVATIONS: 236

PERCENT DATA RECOVERY FOR THIS PERIOD: 89.3 %

MEAN WIND SPEED FOR THIS PERIOD: 10.1 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
11.36	6.59	7.56	30.98	29.31	8.92	5.27

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	15	6	1	5	6	17	27	43	39	16	8	4	0	1	4	32	0
B	10	6	3	6	4	19	21	16	21	7	2	1	0	1	1	12	0
C	21	12	11	6	9	10	17	11	8	17	1	4	0	5	2	15	0
D	70	50	29	31	56	70	86	37	41	32	15	3	0	4	12	75	0
E	47	33	23	25	31	25	82	101	107	24	9	2	1	3	9	56	0
F	15	9	5	3	0	1	1	24	33	21	15	3	2	5	11	28	0
G	4	3	1	1	0	0	4	21	14	11	10	5	2	3	12	13	0
TOTAL	182	119	73	77	106	142	238	253	263	128	60	22	5	22	51	231	0

JFDs of 10-Meter Wind vs. Delta T

October-December 2000

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T OCT-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/ 0 - 12/31/ 0

*** OCT-DEC 2000 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	1	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	5
7.51-12.50	0	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	4
12.51-18.50	1	0	0	0	0	0	4	2	5	1	0	0	0	0	0	1	14
18.51-24.00	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	4
>24.00	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	1	7
TOTAL	2	2	0	0	0	0	5	3	12	5	0	1	0	0	0	4	34

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	3
7.51-12.50	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	4
12.51-18.50	3	0	0	0	0	0	1	2	3	3	2	0	0	0	1	2	17
18.51-24.00	1	0	0	0	0	1	0	0	2	3	0	0	0	0	1	3	11
>24.00	0	0	0	0	0	0	0	0	1	2	0	0	0	0	1	0	4
TOTAL	4	0	0	0	0	1	2	2	8	11	2	1	0	0	3	5	39

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T OCT-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/ 0 - 12/31/ 0

*** OCT-DEC 2000 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	3
7.51-12.50	9	1	0	0	0	0	2	1	6	8	3	1	1	0	1	1	34
12.51-18.50	2	0	1	0	0	0	1	6	9	1	2	0	0	0	2	5	29
18.51-24.00	1	0	0	0	0	0	1	1	6	1	0	0	1	0	1	3	15
>24.00	0	0	0	0	0	0	0	1	2	2	0	0	0	0	6	0	11
TOTAL	12	1	1	0	0	1	5	9	24	12	5	1	2	0	10	9	92

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	3	0	1	2	1	2	1	1	0	0	0	0	0	0	0	11
3.51- 7.50	24	24	22	15	5	9	15	22	13	5	3	6	6	4	7	8	188
7.51-12.50	43	10	7	18	21	30	49	23	22	17	6	8	14	17	20	33	338
12.51-18.50	19	4	0	0	1	23	39	33	28	9	1	6	35	24	38	33	293
18.51-24.00	1	0	0	0	0	6	5	19	16	2	0	11	22	19	39	24	164
>24.00	0	0	0	0	0	0	0	6	2	1	1	1	2	15	65	15	108
TOTAL	87	41	29	34	29	69	110	104	82	34	11	32	79	79	169	113	1102

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T OCT-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/ 0 - 12/31/ 0

*** OCT-DEC 2000 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	1	0	0	0	0	1	0	1	0	1	1	0	0	2	2	11
3.51- 7.50	12	8	4	2	4	3	9	13	9	4	3	1	4	5	10	11	102
7.51-12.50	11	2	0	0	1	3	22	17	8	12	5	1	8	13	15	19	137
12.51-18.50	0	0	1	1	0	2	9	15	19	8	15	15	13	14	22	14	148
18.51-24.00	0	0	0	0	0	1	0	18	4	1	1	5	13	9	10	1	63
>24.00	0	0	0	0	0	0	0	7	1	0	0	0	10	4	6	8	36
TOTAL	25	11	5	3	5	9	41	70	42	25	25	23	48	45	65	55	497

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	4	3	0	1	0	0	1	1	7	7	3	3	1	4	6	4	45
3.51- 7.50	8	4	1	0	1	2	6	22	27	4	6	5	9	2	7	14	118
7.51-12.50	2	0	0	0	0	0	4	2	19	12	1	1	1	0	8	6	56
12.51-18.50	0	0	0	0	0	0	0	1	9	2	1	2	5	3	1	0	24
18.51-24.00	0	0	0	0	0	0	0	0	0	1	1	3	2	0	0	0	7
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	14	7	1	1	1	2	11	26	62	26	12	14	18	9	22	24	250

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T OCT-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/ 0 - 12/31/ 0

*** OCT-DEC 2000 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	4	4	1	0	0	3	5	11	11	4	1	3	3	0	1	4	55
3.51- 7.50	5	1	0	0	2	1	6	19	15	2	4	1	3	0	2	5	66
7.51-12.50	0	0	1	0	0	0	0	1	1	0	0	0	2	1	0	0	6
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	9	5	2	0	2	4	11	31	27	6	5	4	9	1	3	9	128

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	10	11	1	2	2	4	9	13	20	11	5	7	4	4	9	10	122
3.51- 7.50	50	39	27	17	12	16	37	76	66	17	16	15	22	11	26	38	485
7.51-12.50	65	13	8	18	22	33	79	44	57	54	15	11	26	31	44	59	579
12.51-18.50	25	4	2	1	1	25	54	59	73	24	21	23	54	41	64	55	526
18.51-24.00	3	0	0	0	0	8	6	38	30	8	2	19	38	28	51	33	264
>24.00	0	0	0	0	0	0	0	15	11	5	1	1	12	19	78	24	166
TOTAL	153	67	38	38	37	86	185	245	257	119	60	76	156	134	272	219	2142

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T OCT-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 10/ 1/ 0 - 12/31/ 0

*** OCT-DEC 2000 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2208

TOTAL NUMBER OF VALID OBSERVATIONS: 2142

TOTAL NUMBER OF MISSING OBSERVATIONS: 66

PERCENT DATA RECOVERY FOR THIS PERIOD: 97.0 %

MEAN WIND SPEED FOR THIS PERIOD: 12.6 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
1.59	1.82	4.30	51.45	23.20	11.67	5.98

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	2	2	0	0	0	0	5	3	12	5	0	1	0	0	0	4	0
B	4	0	0	0	0	1	2	2	8	11	2	1	0	0	3	5	0
C	12	1	1	0	0	1	5	9	24	12	5	1	2	0	10	9	0
D	87	41	29	34	29	69	110	104	82	34	11	32	79	79	169	113	0
E	25	11	5	3	5	9	41	70	42	25	25	23	48	45	65	55	0
F	14	7	1	1	1	2	11	26	62	26	12	14	18	9	22	24	0
G	9	5	2	0	2	4	11	31	27	6	5	4	9	1	3	9	0
TOTAL	153	67	38	38	37	86	185	245	257	119	60	76	156	134	272	219	0

JFDs of 10-Meter Wind vs. Delta T

July-December 2000

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 12/31/ 0

*** JUL-DEC 2000 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
3.51- 7.50	4	7	0	0	1	3	1	1	0	3	3	1	0	0	1	8	33
7.51-12.50	9	0	1	2	3	7	6	13	8	11	2	0	0	0	1	11	74
12.51-18.50	4	0	0	3	2	7	19	27	24	7	3	4	0	1	1	12	114
18.51-24.00	0	0	0	0	0	0	5	4	12	0	0	0	0	0	1	4	26
>24.00	0	0	0	0	0	0	0	1	7	0	0	0	0	0	0	1	9
TOTAL	17	8	1	5	6	17	32	46	51	21	8	5	0	1	4	36	258

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3.51- 7.50	4	4	2	0	0	0	0	1	3	1	0	2	0	0	0	0	17
7.51-12.50	3	1	1	4	1	5	10	6	4	7	2	0	0	0	1	7	52
12.51-18.50	6	0	0	2	3	14	12	11	10	4	2	0	0	0	1	6	71
18.51-24.00	1	0	0	0	0	1	1	0	6	4	0	0	0	1	1	4	19
>24.00	0	0	0	0	0	0	0	0	6	2	0	0	0	0	1	0	9
TOTAL	14	6	3	6	4	20	23	18	29	18	4	2	0	1	4	17	169

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 12/31/ 0

*** JUL-DEC 2000 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
3.51- 7.50	11	4	8	2	1	1	3	2	2	3	1	3	0	2	0	2	45
7.51-12.50	18	8	3	2	5	4	8	6	8	15	3	2	1	0	2	9	94
12.51-18.50	2	1	1	2	3	6	8	10	12	6	2	0	0	1	2	10	66
18.51-24.00	1	0	0	0	0	0	2	1	7	2	0	0	1	2	2	3	21
>24.00	0	0	0	0	0	0	0	1	3	2	0	0	0	0	6	0	12
TOTAL	33	13	12	6	9	11	22	20	32	29	6	5	2	5	12	24	241

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	5	0	1	2	1	2	1	1	1	0	1	0	0	0	5	22
3.51- 7.50	59	56	42	31	21	18	29	31	24	16	7	6	6	5	12	21	384
7.51-12.50	73	25	15	31	51	81	99	40	38	29	17	8	14	20	23	67	631
12.51-18.50	22	5	1	1	11	33	58	44	35	15	1	8	35	24	40	53	386
18.51-24.00	1	0	0	1	0	6	8	19	20	4	0	11	22	19	41	27	179
>24.00	0	0	0	0	0	0	0	6	5	1	1	1	2	15	65	15	111
TOTAL	157	91	58	65	85	139	196	141	123	66	26	35	79	83	181	188	1713

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 12/31/ 0

*** JUL-DEC 2000 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	2	0	0	0	0	2	0	3	0	1	2	0	1	3	2	18
3.51- 7.50	37	25	16	9	7	11	16	28	31	10	5	2	4	6	14	33	254
7.51-12.50	31	15	11	16	21	16	60	54	36	21	10	1	9	14	16	43	374
12.51-18.50	1	1	1	2	8	6	42	53	54	15	17	15	13	14	25	19	286
18.51-24.00	1	1	0	1	0	1	3	29	22	3	1	5	13	9	10	5	104
>24.00	0	0	0	0	0	0	0	7	3	0	0	0	10	4	6	9	39
TOTAL	72	44	28	28	36	34	123	171	149	49	34	25	49	48	74	111	1075

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	7	5	1	1	0	0	1	2	12	13	7	5	1	7	9	9	80
3.51- 7.50	19	10	5	2	1	2	7	35	36	12	10	5	9	2	12	35	202
7.51-12.50	2	1	0	1	0	1	4	9	35	18	6	2	3	1	11	8	102
12.51-18.50	0	0	0	0	0	0	0	4	12	3	3	2	5	3	1	0	33
18.51-24.00	1	0	0	0	0	0	0	0	0	1	1	3	2	0	0	0	8
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
TOTAL	29	16	6	4	1	3	12	50	95	47	27	17	20	14	33	52	426

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 12/31/ 0

*** JUL-DEC 2000 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	6	6	1	1	0	3	6	15	14	9	6	5	5	1	8	9	95
3.51- 7.50	7	2	1	0	2	1	9	33	21	6	7	2	3	2	6	12	114
7.51-12.50	0	0	1	0	0	0	0	4	5	2	1	1	2	1	1	1	19
12.51-18.50	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	4
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	13	8	3	1	2	4	15	52	41	17	15	9	11	4	15	22	232

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	18	20	2	3	2	4	13	18	30	24	14	13	6	9	20	25	221
3.51- 7.50	141	108	74	44	33	36	65	131	117	51	33	21	22	17	45	111	1049
7.51-12.50	136	50	32	56	81	114	187	132	134	103	41	14	29	36	55	146	1346
12.51-18.50	35	7	3	10	27	66	139	149	148	50	29	30	54	43	70	100	960
18.51-24.00	5	1	0	2	0	8	19	53	67	14	2	19	38	31	55	43	357
>24.00	0	0	0	0	0	0	0	15	24	5	1	1	12	20	78	25	181
TOTAL	335	186	111	115	143	228	423	498	520	247	120	98	161	156	323	450	4114

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 12/31/ 0

*** JUL-DEC 2000 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 4416

TOTAL NUMBER OF VALID OBSERVATIONS: 4114

TOTAL NUMBER OF MISSING OBSERVATIONS: 302

PERCENT DATA RECOVERY FOR THIS PERIOD: 93.2 %

MEAN WIND SPEED FOR THIS PERIOD: 11.4 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
6.27	4.11	5.86	41.64	26.13	10.35	5.64

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	17	8	1	5	6	17	32	46	51	21	8	5	0	1	4	36	0
B	14	6	3	6	4	20	23	18	29	18	4	2	0	1	4	17	0
C	33	13	12	6	9	11	22	20	32	29	6	5	2	5	12	24	0
D	157	91	58	65	85	139	196	141	123	66	26	35	79	83	181	188	0
E	72	44	28	28	36	34	123	171	149	49	34	25	49	48	74	111	0
F	29	16	6	4	1	3	12	50	95	47	27	17	20	14	33	52	0
G	13	8	3	1	2	4	15	52	41	17	15	9	11	4	15	22	0
TOTAL	335	186	111	115	143	228	423	498	520	247	120	98	161	156	323	450	0

JFDs of 10-Meter Wind vs. Delta T

January-December 2000

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 12/31/ 0

*** JAN-DEC 2000 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	2	0	1	0	0	2	0	0	0	0	0	1	0	1	1	8
3.51- 7.50	6	12	3	4	7	9	3	4	5	8	5	2	1	1	5	9	84
7.51-12.50	25	3	3	2	5	11	10	14	10	16	3	2	1	1	11	21	138
12.51-18.50	21	1	1	3	2	9	20	68	51	13	7	5	1	4	10	29	245
18.51-24.00	0	0	0	0	0	0	8	20	39	6	0	0	2	1	3	9	88
>24.00	0	0	0	0	0	0	0	5	46	7	2	1	1	0	3	8	73
TOTAL	52	18	7	10	14	29	43	111	151	50	17	10	7	7	33	77	636

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3.51- 7.50	6	10	8	3	1	1	3	2	4	1	1	4	0	0	0	2	46
7.51-12.50	12	3	2	5	5	10	18	19	11	9	3	3	0	2	6	17	125
12.51-18.50	9	0	0	3	7	22	22	23	18	9	8	5	5	2	10	20	163
18.51-24.00	1	0	1	0	0	1	3	4	15	13	0	0	2	4	7	20	71
>24.00	0	0	0	0	0	0	0	1	11	5	0	1	0	0	5	8	31
TOTAL	28	14	11	11	13	34	46	49	59	37	12	13	7	8	28	67	437

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 12/31/ 0

*** JAN-DEC 2000 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	0	1	0	0	0	1	0	1	1	0	0	0	1	0	0	7
3.51- 7.50	14	9	10	2	4	1	6	12	4	8	1	5	2	2	1	6	87
7.51-12.50	32	13	4	5	7	11	17	13	21	21	5	11	6	3	11	24	204
12.51-18.50	4	2	1	3	7	12	16	19	19	28	8	6	5	7	12	17	166
18.51-24.00	1	1	0	0	0	0	2	7	16	11	3	3	2	8	5	8	67
>24.00	0	0	0	0	0	0	0	4	11	4	0	1	0	5	15	8	48
TOTAL	53	25	16	10	18	24	42	55	72	73	17	26	15	26	44	63	579

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	8	9	3	2	2	1	3	2	5	2	0	3	1	0	0	5	46
3.51- 7.50	89	87	59	53	34	41	50	52	34	26	10	15	9	13	20	39	631
7.51-12.50	115	48	33	55	106	126	142	64	63	53	33	19	22	37	62	94	1072
12.51-18.50	66	10	6	6	23	47	89	86	70	57	19	21	45	46	70	107	768
18.51-24.00	9	1	1	1	0	7	11	37	51	18	4	23	30	35	62	61	351
>24.00	0	0	0	0	0	0	0	9	28	8	3	4	12	28	104	57	253
TOTAL	287	155	102	117	165	222	295	250	251	164	69	85	119	159	318	363	3121

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 12/31/ 0

*** JAN-DEC 2000 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	3	3	0	0	0	0	2	3	5	1	1	3	4	3	8	7	43
3.51- 7.50	60	34	30	14	11	15	24	51	60	23	9	5	5	10	20	57	428
7.51-12.50	57	21	11	26	32	30	84	101	76	34	18	4	12	24	24	72	626
12.51-18.50	12	1	1	3	14	21	59	116	111	43	29	21	21	27	34	36	549
18.51-24.00	2	1	0	1	0	2	12	59	51	16	3	13	20	22	25	10	237
>24.00	0	0	0	0	0	1	4	17	20	8	0	3	13	9	31	20	126
TOTAL	134	60	42	44	57	69	185	347	323	125	60	49	75	95	142	202	2009

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	15	6	1	2	0	1	2	9	24	19	11	10	3	9	12	24	148
3.51- 7.50	38	11	5	5	1	4	15	60	76	23	14	13	10	5	24	59	363
7.51-12.50	4	1	2	1	0	1	7	25	68	26	8	3	4	6	13	10	179
12.51-18.50	0	0	0	0	0	2	0	6	22	8	5	2	8	4	1	3	61
18.51-24.00	1	0	0	0	0	0	0	0	3	1	1	5	6	1	0	0	18
>24.00	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	0	5
TOTAL	58	18	8	8	1	8	24	100	193	77	39	35	32	26	51	96	774

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 12/31/ 0

*** JAN-DEC 2000 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	11	9	1	1	0	6	13	31	19	15	9	8	6	3	14	14	160
3.51- 7.50	19	5	2	1	2	1	16	56	37	9	8	5	4	4	11	27	207
7.51-12.50	1	0	1	0	0	0	0	6	8	2	1	1	3	3	2	2	30
12.51-18.50	0	0	0	0	0	0	0	0	1	0	2	1	1	0	0	0	5
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	31	14	4	2	2	7	29	93	65	26	20	15	15	10	27	43	403

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 10.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	39	30	6	6	2	8	23	45	54	38	21	24	15	16	35	51	413
3.51- 7.50	232	168	117	82	60	72	117	237	220	98	48	49	31	35	81	199	1846
7.51-12.50	246	89	56	94	155	189	278	242	257	161	71	43	48	76	129	240	2374
12.51-18.50	112	14	9	18	53	113	206	318	292	158	78	61	86	90	137	212	1957
18.51-24.00	14	3	2	2	0	10	36	127	175	65	11	44	63	71	102	108	833
>24.00	0	0	0	0	0	1	4	36	116	32	5	12	27	43	159	101	536
TOTAL	643	304	190	202	270	393	664	1005	1114	552	234	233	270	331	643	911	7959

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JAN-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 12/31/ 0

*** JAN-DEC 2000 ***

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS
 WIND MEASURED AT: 10.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 8784

TOTAL NUMBER OF VALID OBSERVATIONS: 7959

TOTAL NUMBER OF MISSING OBSERVATIONS: 825

PERCENT DATA RECOVERY FOR THIS PERIOD: 90.6 %

MEAN WIND SPEED FOR THIS PERIOD: 12.2 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
7.99	5.49	7.27	39.21	25.24	9.72	5.06

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	52	18	7	10	14	29	43	111	151	50	17	10	7	7	33	77	0
B	28	14	11	11	13	34	46	49	59	37	12	13	7	8	28	67	0
C	53	25	16	10	18	24	42	55	72	73	17	26	15	26	44	63	0
D	287	155	102	117	165	222	295	250	251	164	69	85	119	159	318	363	0
E	134	60	42	44	57	69	185	347	323	125	60	49	75	95	142	202	0
F	58	18	8	8	1	8	24	100	193	77	39	35	32	26	51	96	0
G	31	14	4	2	2	7	29	93	65	26	20	15	15	10	27	43	0
TOTAL	643	304	190	202	270	393	664	1005	1114	552	234	233	270	331	643	911	0

Stability Classes by Hour of Day

10-Meter Wind vs. Delta T

July-December 2000

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 12/31/ 0

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

			HOURLY STABILITIES																							
			HOURS																							
YR	MN	DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	7	1	E	F	E	E	E	F	E	E	D	D	D	B	B	A	B	C	B	D	D	E	E	E	E	-
0	7	2	E	E	E	E	E	E	D	D	D	C	C	B	A	A	C	D	D	E	E	E	E	E	E	A
0	7	3	D	C	D	C	D	D	D	D	D	C	C	D	C	B	D	D	D	D	D	E	E	E	E	-
0	7	4	E	E	E	E	E	D	D	D	A	-	-	-	-	-	-	D	B	D	D	D	D	D	D	-
0	7	5	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	-
0	7	6	E	E	E	E	D	D	D	D	C	B	B	A	A	B	C	B	B	D	D	E	E	D	D	-
0	7	7	D	D	E	D	E	E	D	D	D	C	A	A	A	A	A	B	A	C	D	E	E	E	E	-
0	7	8	E	E	E	E	E	E	D	D	C	C	C	B	C	C	D	D	D	D	E	E	E	E	E	-
0	7	9	E	E	E	E	E	E	D	D	D	C	D	C	B	A	C	D	D	D	D	E	E	E	E	-
0	7	10	E	E	E	E	E	E	E	D	D	D	D	B	A	A	C	C	D	D	D	E	E	E	E	-
0	7	11	D	D	E	D	D	D	D	D	D	C	C	D	C	B	D	E	D	E	E	E	E	E	E	-
0	7	12	D	D	E	E	E	E	E	D	D	B	B	A	A	A	B	D	D	D	F	G	G	G	G	-
0	7	13	G	G	G	F	F	G	F	E	D	C	C	C	A	A	C	D	D	E	F	F	F	G	G	-
0	7	14	G	F	G	G	G	G	F	D	D	D	D	B	A	A	C	D	D	D	E	F	F	F	F	-
0	7	15	F	E	E	E	E	E	D	D	D	D	D	C	-	-	-	-	B	D	D	E	E	D	E	-
0	7	16	D	D	E	E	E	E	E	D	D	D	C	D	D	C	C	C	D	D	D	E	E	E	E	-
0	7	17	E	E	E	E	E	E	D	D	D	C	C	C	D	C	D	D	D	D	E	E	E	E	E	-
0	7	18	D	D	D	E	E	D	D	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	E	-
0	7	19	E	D	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	E	F	F	F	-
0	7	20	F	E	E	E	E	E	D	D	D	D	C	C	D	A	D	D	D	D	E	E	E	E	F	-
0	7	21	E	E	E	E	E	E	D	D	D	C	B	C	A	C	C	D	D	D	E	F	G	G	G	-
0	7	22	G	F	E	E	E	E	E	D	D	D	D	C	A	A	B	C	B	D	D	F	G	G	G	-
0	7	23	G	F	F	F	F	E	E	D	D	C	A	A	A	A	A	A	A	B	D	E	E	E	F	-
0	7	24	F	E	E	E	E	E	D	B	A	A	A	A	A	A	A	A	A	C	D	E	E	E	E	-
0	7	25	E	D	E	D	D	D	C	B	A	A	A	A	A	A	C	A	C	D	E	E	E	E	E	-
0	7	26	E	E	E	E	E	E	E	D	D	A	A	A	A	A	A	B	D	D	D	E	E	E	E	-
0	7	27	D	E	E	E	E	E	D	D	D	D	D	D	D	D	D	E	D	D	D	E	E	E	E	-
0	7	28	E	E	E	E	E	E	F	F	F	E	E	D	D	D	D	D	D	D	E	E	F	E	E	-
0	7	29	E	E	E	E	E	E	D	D	D	D	D	C	C	D	D	D	D	E	F	F	F	F	F	-
0	7	30	F	E	E	E	E	E	E	D	D	D	C	C	C	B	E	E	D	D	E	F	F	F	F	-
0	7	31	F	G	F	F	F	F	F	E	D	D	D	D	C	A	D	D	D	D	F	G	G	G	G	-
0	8	1	F	F	F	F	F	F	E	D	D	C	B	A	A	B	D	E	E	E	F	F	F	F	F	-
0	8	2	F	G	G	G	G	F	G	E	D	D	D	E	D	D	D	D	D	D	E	E	E	F	F	-
0	8	3	F	F	F	F	E	E	E	D	D	D	D	D	D	D	B	C	D	D	D	E	E	E	E	-
0	8	4	E	E	E	E	E	E	E	D	D	D	D	D	B	D	D	D	D	D	D	D	D	D	E	-
0	8	5	E	E	E	E	E	F	E	E	D	D	D	D	D	D	D	D	D	E	F	G	G	G	G	-
0	8	6	G	G	F	E	F	F	E	D	D	D	D	D	B	C	D	D	D	D	E	F	F	F	G	-
0	8	7	F	F	G	F	F	F	F	E	D	D	D	C	C	D	D	D	D	E	E	E	E	E	E	-
0	8	8	E	E	E	E	F	E	E	D	C	B	B	B	A	A	D	E	E	E	F	G	F	G	G	-
0	8	9	G	G	F	F	F	E	E	E	D	D	C	C	A	A	C	D	D	E	E	E	E	E	F	-
0	8	10	F	F	F	E	E	E	D	D	D	C	D	D	C	D	D	D	E	E	E	E	E	E	E	-
0	8	11	E	E	E	E	E	E	D	D	D	D	B	C	A	A	A	B	D	D	E	E	E	E	E	-
0	8	12	E	E	E	E	E	E	D	B	A	A	A	A	A	A	A	A	C	D	D	E	E	E	E	-
0	8	13	E	E	E	E	E	F	E	D	D	D	D	C	C	B	D	D	D	D	E	E	F	F	F	-
0	8	14	E	F	E	E	E	F	F	F	E	E	D	B	A	A	A	B	D	D	E	F	F	F	F	-

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 12/31/ 0

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

			HOURLY STABILITIES																							
			HOURS																							
YR	MN	DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	8	15	F	F	F	G	G	G	G	E	D	C	D	C	A	A	C	D	D	D	E	E	E	E	E	-
0	8	16	E	E	E	E	E	D	D	D	D	B	A	-	-	-	-	A	B	D	E	F	G	F	G	F
0	8	17	F	E	F	F	G	G	D	F	D	C	B	D	A	A	C	D	D	D	D	D	D	D	D	C
0	8	18	A	A	A	A	A	A	D	A	A	B	C	C	C	C	C	C	D	D	E	F	F	F	E	E
0	8	19	E	E	D	D	D	B	D	D	D	A	A	A	A	A	A	A	A	A	D	D	D	D	D	A
0	8	20	E	E	E	E	E	E	E	A	B	B	A	B	B	B	A	A	B	C	D	D	C	B	A	A
0	8	21	A	A	A	A	D	E	E	E	E	D	D	D	D	C	D	D	D	D	E	E	E	D	D	D
0	8	22	B	A	A	A	B	E	E	E	D	D	D	D	C	C	D	D	D	D	D	D	E	E	D	D
0	8	23	E	E	E	E	E	D	E	D	D	D	D	D	C	C	C	D	D	D	D	E	E	E	E	E
0	8	24	E	E	D	B	C	C	D	D	B	B	C	B	C	C	B	D	D	D	E	E	E	E	E	E
0	8	25	D	E	D	F	E	E	E	E	E	A	E	D	D	B	A	B	C	D	E	E	E	D	A	A
0	8	26	C	E	F	E	F	F	F	E	D	D	C	D	D	D	C	D	D	E	E	E	E	E	D	C
0	8	27	A	A	E	E	E	E	E	D	A	B	C	B	B	B	B	C	D	D	E	E	D	C	A	A
0	8	28	A	A	A	E	E	E	E	E	C	D	D	B	D	D	C	D	E	E	G	G	G	G	F	E
0	8	29	D	D	A	A	D	D	E	D	D	C	B	B	C	C	A	B	C	D	D	D	D	D	A	A
0	8	30	D	D	E	E	E	E	E	A	B	A	A	C	A	A	B	D	E	G	G	G	F	F	F	F
0	8	31	F	F	F	E	E	F	E	D	D	D	D	D	B	B	A	D	E	E	E	E	D	D	D	D
0	9	1	D	B	A	A	A	A	A	A	A	A	B	B	D	B	C	D	E	E	E	E	F	F	E	E
0	9	2	E	D	D	D	D	E	D	B	C	C	D	B	C	B	B	B	D	D	E	E	F	F	G	F
0	9	3	F	F	F	F	G	F	F	F	E	D	D	D	D	C	D	D	E	F	F	E	E	E	E	E
0	9	4	E	E	E	F	E	E	E	D	C	B	B	C	B	C	A	D	D	D	D	E	D	D	D	D
0	9	5	D	D	D	D	D	C	B	B	B	A	A	B	B	B	A	A	B	D	D	E	E	D	D	E
0	9	6	E	E	D	D	D	D	D	C	B	A	A	A	A	A	A	C	D	E	E	E	E	E	E	E
0	9	7	E	E	E	F	F	F	E	D	C	B	A	C	B	B	C	D	D	E	E	E	E	F	F	F
0	9	8	F	E	E	E	E	E	D	D	D	C	B	B	A	A	A	A	C	D	E	E	E	E	E	E
0	9	9	E	E	E	E	E	D	D	B	A	A	A	A	A	A	A	A	B	D	E	E	E	E	E	E
0	9	10	E	E	E	E	F	F	E	E	B	A	A	A	A	A	A	A	D	D	F	F	E	E	E	E
0	9	11	E	E	E	E	E	E	D	B	A	A	A	A	A	A	-	-	-	-	-	-	-	-	-	-
0	9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	9	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	9	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	9	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	A	A	A	D	E	F	E	E	E	E	E
0	9	19	E	E	E	E	E	E	F	E	D	D	E	C	A	C	C	D	D	D	E	E	F	G	F	A
0	9	20	-	-	-	-	-	-	-	-	A	D	E	C	A	C	C	D	D	E	E	F	G	F	A	G
0	9	21	G	G	F	G	G	F	F	D	C	B	A	A	A	A	A	B	D	D	E	E	E	E	D	D
0	9	22	D	D	D	D	D	E	E	E	D	D	D	D	B	C	D	D	D	D	D	D	D	D	D	D
0	9	23	D	D	D	A	B	A	A	A	B	B	B	A	A	B	C	D	D	D	C	B	A	A	A	B
0	9	24	C	D	D	C	D	D	A	A	A	B	B	B	A	D	D	D	D	C	B	A	A	A	A	B
0	9	25	C	D	D	D	D	E	D	D	D	D	C	C	C	C	C	D	D	E	G	G	G	G	G	G
0	9	26	G	G	G	F	G	G	G	E	D	A	A	A	A	A	A	A	D	E	F	G	G	G	F	F
0	9	27	F	G	G	G	G	G	G	F	E	D	D	D	D	D	C	D	D	F	G	G	G	G	G	G
0	9	28	G	G	G	G	G	G	G	F	D	D	D	C	D	D	A	C	D	E	G	F	F	F	F	E

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 12/31/ 0

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

YR MN DY	HOURLY STABILITIES																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0 9 29	E	E	E	E	E	E	E	E	D	D	B	C	B	B	B	D	D	E	F	E	E	E	E	E
0 9 30	E	E	E	E	E	E	E	E	E	D	B	D	B	B	B	D	D	E	E	E	E	E	E	E
0 10 1	E	E	E	F	F	F	F	F	E	D	D	D	C	B	C	D	D	E	F	F	G	G	G	G
0 10 2	G	G	F	E	E	E	F	E	D	D	C	C	C	C	-	-	-	-	-	-	-	-	-	-
0 10 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0 10 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E	E	D	D	D	D	D	A
0 10 5	-	-	-	-	-	-	-	-	-	-	-	-	-	A	D	D	D	D	D	D	D	D	E	E
0 10 6	E	E	E	E	E	E	E	D	D	C	B	B	C	B	C	D	E	E	F	E	E	E	E	F
0 10 7	F	F	F	E	E	E	E	E	D	C	A	B	C	B	C	D	D	D	D	E	E	E	E	E
0 10 8	E	F	F	F	F	F	F	E	D	D	D	C	D	C	C	D	D	E	G	G	G	G	G	G
0 10 9	G	G	G	G	G	G	G	F	D	D	B	B	C	B	A	C	D	E	F	F	F	F	F	F
0 10 10	G	F	F	F	G	F	F	F	D	D	B	A	B	A	A	C	D	E	F	F	F	F	F	F
0 10 11	F	F	E	E	F	G	G	F	D	C	A	A	A	A	A	C	D	E	E	E	E	E	E	E
0 10 12	E	E	E	E	E	E	E	D	D	C	B	A	A	C	B	D	D	E	E	E	E	E	E	E
0 10 13	E	E	E	E	E	E	E	D	C	C	B	C	D	C	D	D	D	E	D	A	A	B	A	A
0 10 14	D	D	D	D	D	D	D	A	B	A	A	D	D	D	D	D	E	E	E	E	E	E	E	E
0 10 15	D	D	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	E	F	G	G	F	E	E
0 10 16	E	E	E	E	E	E	E	E	D	D	D	D	D	C	C	D	D	E	F	F	F	F	F	E
0 10 17	E	E	E	E	E	D	D	D	D	D	D	D	C	B	D	D	D	E	G	-	G	G	G	G
0 10 18	G	G	G	G	G	G	G	F	E	D	D	D	C	C	D	E	F	G	G	G	G	G	G	F
0 10 19	F	G	F	G	G	F	F	F	E	D	C	B	B	B	B	D	E	F	F	F	F	F	F	F
0 10 20	F	F	F	F	F	G	G	F	E	D	C	D	C	B	C	D	D	F	E	E	F	F	F	F
0 10 21	F	F	G	F	E	E	E	D	B	B	A	A	A	A	A	C	D	E	E	E	E	E	E	E
0 10 22	E	E	D	D	A	D	B	A	A	A	A	C	D	D	D	D	D	D	D	D	D	D	D	D
0 10 23	D	D	D	D	D	D	D	D	D	C	D	C	D	D	D	D	D	F	F	F	F	E	E	E
0 10 24	E	E	F	F	F	E	E	D	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	E
0 10 25	E	D	D	D	D	E	D	D	D	D	C	D	D	D	D	D	D	D	D	D	E	D	D	D
0 10 26	D	D	D	D	D	D	D	D	C	C	C	B	B	C	D	D	E	F	E	E	E	E	E	E
0 10 27	E	E	E	E	F	F	E	D	A	D	D	D	C	D	D	D	D	E	E	E	D	D	D	D
0 10 28	D	-	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
0 10 29	D	D	D	D	D	D	D	D	D	B	C	D	D	D	D	D	D	D	D	D	D	E	D	E
0 10 30	E	E	E	F	F	F	F	E	D	D	D	C	C	C	C	C	D	E	F	G	F	F	F	F
0 10 31	F	F	F	E	F	E	D	D	C	C	C	C	C	C	C	D	D	E	E	E	E	E	E	E
0 11 1	E	E	D	D	D	D	D	D	D	B	D	D	D	D	D	D	D	E	F	F	E	E	E	E
0 11 2	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	E	E	F	F	G	G	F
0 11 3	F	E	E	F	G	F	E	E	D	D	C	D	D	D	D	D	D	F	G	G	G	G	G	G
0 11 4	G	G	G	F	F	F	F	E	D	D	C	C	C	C	D	D	D	F	F	F	F	F	F	F
0 11 5	F	E	E	E	D	D	D	D	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	D
0 11 6	D	D	D	B	C	D	C	A	A	D	C	B	C	D	E	D	E	E	E	E	E	E	E	E
0 11 7	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E
0 11 8	E	E	E	D	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
0 11 9	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E
0 11 10	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E
0 11 11	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	D	D	D	E
0 11 12	E	E	E	D	D	D	D	D	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	D

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 12/31/ 0

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

YR MN DY	HOURLY STABILITIES																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0 11 13	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
0 11 14	D	D	D	D	D	E	E	E	D	D	D	D	D	D	D	D	D	E	E	F	F	E	E	E
0 11 15	F	E	F	F	F	E	E	E	F	E	D	D	D	D	D	D	D	E	E	E	E	E	D	D
0 11 16	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
0 11 17	E	E	E	E	E	E	E	E	D	D	D	C	C	D	D	D	E	F	F	E	E	E	E	E
0 11 18	E	F	E	F	F	F	F	E	D	D	D	D	D	D	D	D	E	E	F	F	E	E	E	E
0 11 19	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	E	D	E	E	E	D	E
0 11 20	E	D	D	D	D	D	D	D	D	C	C	B	C	C	D	D	E	E	E	F	G	G	G	G
0 11 21	G	F	F	F	F	E	F	F	E	D	C	C	D	D	D	D	E	E	F	F	F	F	F	G
0 11 22	G	F	F	F	G	G	G	G	E	D	D	D	D	D	D	D	E	E	F	F	F	F	G	G
0 11 23	F	F	F	F	F	F	F	F	E	D	D	D	D	D	D	D	E	G	G	G	G	G	F	F
0 11 24	F	E	E	F	F	G	G	F	F	D	D	D	D	D	D	D	E	F	G	G	G	G	G	G
0 11 25	G	G	G	G	G	F	F	G	F	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E
0 11 26	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	E	E	E	E	F	F	F	F
0 11 27	E	F	F	F	G	F	F	F	E	D	D	D	D	D	D	D	E	E	F	F	F	G	G	G
0 11 28	G	G	G	G	F	F	F	F	F	E	D	D	D	D	D	D	E	E	E	F	F	F	E	E
0 11 29	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	E	E	E	F	F	F	G	G
0 11 30	G	G	G	F	F	E	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E
0 12 1	F	F	E	E	F	F	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
0 12 2	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	F	F	G	-	G	G
0 12 3	G	G	G	G	F	F	F	E	E	E	D	C	B	D	D	D	E	E	E	E	E	E	E	E
0 12 4	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E
0 12 5	E	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
0 12 6	D	D	D	D	D	D	D	E	D	D	D	D	D	D	D	D	D	E	E	F	F	E	E	E
0 12 7	E	E	F	E	E	E	F	F	E	D	D	D	D	D	D	D	E	E	E	D	D	D	D	E
0 12 8	E	E	E	E	E	E	E	E	D	D	B	A	C	D	D	D	D	E	E	D	D	D	D	D
0 12 9	D	D	D	D	D	D	D	D	D	D	D	D	C	D	D	D	D	D	D	D	D	D	E	E
0 12 10	F	F	F	E	D	D	D	D	D	C	B	B	B	C	D	D	D	D	D	D	D	D	D	D
0 12 11	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E
0 12 12	E	E	E	E	E	D	D	E	D	D	D	D	B	C	D	D	D	D	D	D	D	D	D	D
0 12 13	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	D	D	D	E	E
0 12 14	E	F	G	F	F	G	G	G	G	F	E	E	D	C	D	D	E	E	D	D	D	D	D	D
0 12 15	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E
0 12 16	D	D	D	C	C	C	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
0 12 17	D	D	D	D	D	E	E	E	E	D	D	C	C	C	C	D	D	E	E	D	D	D	D	D
0 12 18	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
0 12 19	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	F	F	E	E
0 12 20	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	D	D	D	D	D
0 12 21	D	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	E	F	E	E	E	E	E
0 12 22	E	E	F	F	F	F	F	F	F	E	D	C	B	C	D	D	D	E	D	E	D	D	D	E
0 12 23	E	D	D	D	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
0 12 24	D	D	D	D	D	D	D	D	D	D	C	C	C	C	D	D	D	D	D	D	D	D	D	D
0 12 25	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
0 12 26	D	D	D	D	D	D	D	E	E	D	E	D	D	D	D	D	E	E	E	E	F	G	G	G
0 12 27	G	G	G	G	G	G	G	G	F	E	E	D	C	D	D	D	E	E	E	E	E	E	E	E

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 10M WIND VS 60-10M DELTA-T JUL-DEC 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 7/ 1/ 0 - 12/31/ 0

STABILITY BASED ON: DELTA T BETWEEN 60.0 AND 10.0 METERS

	HOURLY STABILITIES																							
	HOURS																							
YR MN DY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0 12 28	E	E	D	D	D	D	D	D	D	D	D	D	D	D	E	D	D	D	D	D	D	D	D	D
0 12 29	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	D	D	D	E
0 12 30	E	D	D	E	D	D	E	E	D	D	D	D	D	D	D	D	D	E	E	E	F	F	F	F
0 12 31	E	F	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	E	F	F	F	F	F	F

JFDs of 100-Meter Wind vs. Delta T

January-March 2000

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-MAR 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 3/31/ 0

*** JAN-MAR 2000 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
>24.00	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3
TOTAL	2	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-MAR 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 3/31/ 0

*** JAN-MAR 2000 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	3
7.51-12.50	0	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	4
12.51-18.50	11	1	0	0	0	1	0	0	1	2	0	0	0	0	0	2	18
18.51-24.00	4	0	0	0	0	0	3	0	2	5	0	0	0	1	1	16	32
>24.00	2	0	0	0	0	0	0	0	12	3	1	0	0	0	0	6	24
TOTAL	17	2	1	1	0	2	3	1	15	11	1	0	0	1	1	25	81

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	0	2	1	0	0	1	1	0	0	0	0	0	0	0	2	9
3.51- 7.50	9	12	10	4	3	4	3	7	2	1	2	5	2	2	2	5	73
7.51-12.50	18	8	15	16	32	33	17	6	5	13	7	10	3	5	11	18	217
12.51-18.50	39	24	14	12	17	34	15	2	17	40	19	4	3	6	29	38	313
18.51-24.00	20	7	5	3	5	18	19	13	14	19	11	15	7	11	23	22	212
>24.00	47	3	0	0	0	7	10	17	37	13	7	9	11	26	51	74	312
TOTAL	135	54	46	36	57	96	65	46	75	86	46	43	26	50	116	159	1136

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-MAR 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 3/31/ 0

*** JAN-MAR 2000 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
3.51- 7.50	0	0	0	2	0	1	0	0	0	0	1	0	0	0	0	2	6
7.51-12.50	0	0	2	0	2	3	2	0	0	7	2	0	1	0	1	2	22
12.51-18.50	3	4	6	4	10	6	1	4	9	12	4	3	0	1	3	7	77
18.51-24.00	8	11	5	4	5	7	3	5	18	15	4	2	6	0	10	9	112
>24.00	18	5	4	2	3	17	28	65	71	36	23	7	19	18	29	32	377
TOTAL	29	20	17	12	20	34	35	74	98	70	34	12	26	19	43	52	595

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	1	1	0	2	1	0	0	2	0	0	1	1	0	1	2	0	12
7.51-12.50	1	1	4	2	2	4	1	1	3	1	3	1	3	1	1	1	30
12.51-18.50	1	1	0	3	2	6	5	4	4	9	6	3	2	4	1	1	52
18.51-24.00	1	0	0	2	1	2	2	3	10	9	12	8	2	1	4	1	58
>24.00	2	0	0	0	0	1	5	19	15	11	6	6	16	11	8	5	105
TOTAL	6	3	4	9	6	13	13	29	32	30	28	19	23	18	16	8	257

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-MAR 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 3/31/ 0

*** JAN-MAR 2000 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
7.51-12.50	1	0	0	0	1	1	2	0	0	4	2	0	0	0	0	0	11
12.51-18.50	2	0	0	0	0	4	4	0	0	4	0	0	0	1	0	1	16
18.51-24.00	0	0	0	0	0	0	3	5	4	0	3	1	0	3	2	0	21
>24.00	0	0	0	0	0	0	0	2	7	0	1	1	1	3	0	0	15
TOTAL	3	0	0	0	2	5	9	7	11	8	6	2	1	7	2	1	64

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	0	2	1	0	0	2	1	0	0	0	0	0	0	0	2	10
3.51- 7.50	10	13	10	9	5	6	3	9	2	1	4	6	2	3	4	8	95
7.51-12.50	21	10	22	18	37	41	22	8	8	26	14	11	7	6	13	21	285
12.51-18.50	56	30	20	19	29	51	25	10	31	67	29	10	5	12	33	49	476
18.51-24.00	34	18	10	9	11	27	30	26	48	48	30	26	15	16	40	48	436
>24.00	69	8	4	2	3	25	44	104	143	63	38	23	47	58	88	117	836
TOTAL	192	79	68	58	85	150	126	158	232	205	115	76	76	95	178	245	2138

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-MAR 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 3/31/ 0

*** JAN-MAR 2000 ***

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2184

TOTAL NUMBER OF VALID OBSERVATIONS: 2138

TOTAL NUMBER OF MISSING OBSERVATIONS: 46

PERCENT DATA RECOVERY FOR THIS PERIOD: 97.9 %

MEAN WIND SPEED FOR THIS PERIOD: 22.3 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
0.00	0.23	3.79	53.13	27.83	12.02	2.99

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B	2	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
C	17	2	1	1	0	2	3	1	15	11	1	0	0	1	1	25	0
D	135	54	46	36	57	96	65	46	75	86	46	43	26	50	116	159	0
E	29	20	17	12	20	34	35	74	98	70	34	12	26	19	43	52	0
F	6	3	4	9	6	13	13	29	32	30	28	19	23	18	16	8	0
G	3	0	0	0	2	5	9	7	11	8	6	2	1	7	2	1	0
TOTAL	192	79	68	58	85	150	126	158	232	205	115	76	76	95	178	245	0

JFDs of 100-Meter Wind vs. Delta T

April-June 2000

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T APR-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/ 0 - 6/30/ 0

*** APR-JUN 2000 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
18.51-24.00	1	0	0	0	0	0	0	11	1	2	0	0	0	0	1	0	16
>24.00	0	0	0	0	0	0	0	2	10	0	0	0	0	0	0	1	13
TOTAL	1	0	0	0	0	0	0	13	12	2	0	0	0	0	1	1	30

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
12.51-18.50	0	0	0	0	0	0	1	4	6	0	1	0	0	0	0	5	17
18.51-24.00	2	0	0	0	0	0	0	7	6	1	0	0	0	0	1	0	17
>24.00	2	0	0	0	0	0	1	7	23	4	1	0	0	0	0	1	39
TOTAL	4	0	0	0	1	2	2	18	35	5	2	0	0	0	1	6	76

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T APR-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/ 0 - 6/30/ 0

*** APR-JUN 2000 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	1	0	1	1	0	1	0	0	1	0	1	0	0	0	0	6
7.51-12.50	2	0	0	0	0	0	1	2	0	0	1	1	0	0	0	1	8
12.51-18.50	3	2	0	0	2	3	6	7	5	1	3	2	1	2	1	8	46
18.51-24.00	3	1	0	0	0	0	2	10	3	0	0	3	1	0	1	4	28
>24.00	2	0	0	0	0	0	2	7	25	7	2	2	0	2	6	1	56
TOTAL	10	4	0	1	3	3	12	26	33	9	6	9	2	4	8	14	144

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	3
3.51- 7.50	7	7	5	9	2	6	6	8	7	11	2	1	3	0	4	2	80
7.51-12.50	7	7	6	5	8	16	19	12	16	16	4	4	8	13	11	11	163
12.51-18.50	22	17	7	7	11	19	23	17	22	18	12	11	6	5	20	28	245
18.51-24.00	15	3	3	0	9	11	13	13	19	22	9	12	9	12	19	27	196
>24.00	25	2	3	3	1	6	8	45	78	21	1	6	14	24	35	85	357
TOTAL	76	36	24	24	31	58	69	95	142	88	29	34	40	55	90	153	1044

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T APR-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/ 0 - 6/30/ 0

*** APR-JUN 2000 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	1	0	0	0	0	1	0	0	0	0	0	1	2	0	0	5
7.51-12.50	0	4	3	3	4	3	8	2	1	2	1	2	0	0	4	2	39
12.51-18.50	5	1	0	0	4	4	8	6	12	10	8	4	5	7	3	4	81
18.51-24.00	4	3	2	4	10	4	9	13	11	4	12	9	0	4	9	6	104
>24.00	11	3	2	2	9	18	29	56	99	26	13	10	12	13	42	26	371
TOTAL	20	12	7	9	27	29	55	77	123	42	34	25	18	26	58	38	600

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3.51- 7.50	0	0	0	0	0	1	1	0	0	2	0	1	0	0	2	1	8
7.51-12.50	1	0	2	0	1	0	8	4	4	4	3	1	0	3	2	1	34
12.51-18.50	2	3	0	1	3	8	7	7	9	8	3	2	0	3	4	1	61
18.51-24.00	1	5	0	1	0	0	5	8	3	5	3	1	2	2	4	1	41
>24.00	1	0	0	0	1	0	0	5	12	2	1	2	1	1	6	0	32
TOTAL	5	8	3	2	5	9	21	24	28	21	10	7	3	9	18	4	177

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T APR-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/ 0 - 6/30/ 0

*** APR-JUN 2000 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3.51- 7.50	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	3
7.51-12.50	0	0	0	0	2	0	0	0	0	1	0	0	1	1	0	2	7
12.51-18.50	3	0	0	0	0	1	2	0	3	2	0	1	0	0	0	3	15
18.51-24.00	3	1	0	0	0	0	0	0	2	2	0	0	0	2	0	1	11
>24.00	1	0	0	0	0	0	0	1	0	0	0	3	2	3	1	0	11
TOTAL	8	1	0	1	2	1	2	1	5	6	0	4	4	6	1	6	48

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	1	0	1	0	0	0	0	0	0	0	1	0	0	1	1	0	5
3.51- 7.50	7	9	5	11	3	7	9	8	7	15	2	3	5	2	6	3	102
7.51-12.50	10	11	11	8	16	21	36	20	21	23	9	8	9	17	17	17	254
12.51-18.50	35	23	7	8	20	35	47	41	58	39	27	20	12	17	28	49	466
18.51-24.00	29	13	5	5	19	15	29	62	45	36	24	25	12	20	35	39	413
>24.00	42	5	5	5	11	24	40	123	247	60	18	23	29	43	90	114	879
TOTAL	124	61	34	37	69	102	161	254	378	173	81	79	67	100	177	222	2119

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T APR-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 4/ 1/ 0 - 6/30/ 0

*** APR-JUN 2000 ***

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

TOTAL NUMBER OF OBSERVATIONS: 2184

TOTAL NUMBER OF VALID OBSERVATIONS: 2119

TOTAL NUMBER OF MISSING OBSERVATIONS: 65

PERCENT DATA RECOVERY FOR THIS PERIOD: 97.0 %

MEAN WIND SPEED FOR THIS PERIOD: 22.7 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
1.42	3.59	6.80	49.27	28.32	8.35	2.27

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	1	0	0	0	0	0	0	13	12	2	0	0	0	0	1	1	0
B	4	0	0	0	1	2	2	18	35	5	2	0	0	0	1	6	0
C	10	4	0	1	3	3	12	26	33	9	6	9	2	4	8	14	0
D	76	36	24	24	31	58	69	95	142	88	29	34	40	55	90	153	0
E	20	12	7	9	27	29	55	77	123	42	34	25	18	26	58	38	0
F	5	8	3	2	5	9	21	24	28	21	10	7	3	9	18	4	0
G	8	1	0	1	2	1	2	1	5	6	0	4	4	6	1	6	0
TOTAL	124	61	34	37	69	102	161	254	378	173	81	79	67	100	177	222	0

JFDs of 100-Meter Wind vs. Delta T

January-June 2000

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 6/30/ 0

*** JAN-JUN 2000 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
18.51-24.00	1	0	0	0	0	0	0	11	1	2	0	0	0	0	1	0	16
>24.00	0	0	0	0	0	0	0	2	10	0	0	0	0	0	0	1	13
TOTAL	1	0	0	0	0	0	0	13	12	2	0	0	0	0	1	1	30

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	1	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	4
12.51-18.50	0	0	0	0	0	0	1	4	6	0	1	0	0	0	0	5	17
18.51-24.00	3	0	0	0	0	0	0	7	6	1	0	0	0	0	1	0	18
>24.00	2	0	0	0	0	0	2	8	24	4	1	0	0	0	0	1	42
TOTAL	6	0	0	0	1	2	3	19	36	5	2	0	0	0	1	6	81

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 6/30/ 0

*** JAN-JUN 2000 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	1	0	2	1	1	1	0	0	1	0	1	0	0	0	1	9
7.51-12.50	2	1	1	0	0	0	1	3	0	1	1	1	0	0	0	1	12
12.51-18.50	14	3	0	0	2	4	6	7	6	3	3	2	1	2	1	10	64
18.51-24.00	7	1	0	0	0	0	5	10	5	5	0	3	1	1	2	20	60
>24.00	4	0	0	0	0	0	2	7	37	10	3	2	0	2	6	7	80
TOTAL	27	6	1	2	3	5	15	27	48	20	7	9	2	5	9	39	225

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	2	0	2	1	0	0	1	1	0	0	1	0	0	1	1	2	12
3.51- 7.50	16	19	15	13	5	10	9	15	9	12	4	6	5	2	6	7	153
7.51-12.50	25	15	21	21	40	49	36	18	21	29	11	14	11	18	22	29	380
12.51-18.50	61	41	21	19	28	53	38	19	39	58	31	15	9	11	49	66	558
18.51-24.00	35	10	8	3	14	29	32	26	33	41	20	27	16	23	42	49	408
>24.00	72	5	3	3	1	13	18	62	115	34	8	15	25	50	86	159	669
TOTAL	211	90	70	60	88	154	134	141	217	174	75	77	66	105	206	312	2180

PROGRAM: JFD VERSION: 5P
 NPPD-COOPER NUCLEAR STATION JFD: 100M WIND VS 100-10M DELTA-T JAN-JUN 2000
 SITE IDENTIFIER: NPPD
 DATA PERIOD EXAMINED: 1/ 1/ 0 - 6/30/ 0

*** JAN-JUN 2000 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
3.51- 7.50	0	1	0	2	0	1	1	0	0	0	1	0	1	2	0	2	11
7.51-12.50	0	4	5	3	6	6	10	2	1	9	3	2	1	0	5	4	61
12.51-18.50	8	5	6	4	14	10	9	10	21	22	12	7	5	8	6	11	158
18.51-24.00	12	14	7	8	15	11	12	18	29	19	16	11	6	4	19	15	216
>24.00	29	8	6	4	12	35	57	121	170	62	36	17	31	31	71	58	748
TOTAL	49	32	24	21	47	63	90	151	221	112	68	37	44	45	101	90	1195

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 100.0 AND 10.0 METERS
 WIND MEASURED AT: 100.0 FEET
 WIND THRESHOLD AT: 1.00 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT100.00 METERS

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
1.01- 3.50	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3.51- 7.50	1	1	0	2	1	1	1	2	0	2	1	2	0	1	4	1	20
7.51-12.50	2	1	6	2	3	4	9	5	7	5	6	2	3	4	3	2	64
12.51-18.50	3	4	0	4	5	14	12	11	13	17	9	5	2	7	5	2	113
18.51-24.00	2	5	0	3	1	2	7	11	13	14	15	9	4	3	8	2	99
>24.00	3	0	0	0	1	1	5	24	27	13	7	8	17	12	14	5	137
TOTAL	11	11	7	11	11	22	34	53	60	51	38	26	26	27	34	12	434

B200