Nebraska Public Power District
Nebraska's Energy Leader

NLS2002012
April 26, 2002

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

Subject: Resubmittal of Year 2000 Annual Radioactive Effluent Release Report
Cooper Nuclear Station, NRC Docket 50-298, DPR-46

Reference: Letter No. NLS2001036, dated May 1, 2001, "Annual Radioactive Effluent Release Report"for Cooper Nuclear Station, NRC Docket 50-298, DPR-46

The purpose of this letter is to resubmit the Year 2000 Radioactive Effluent Release Report for Cooper Nuclear Station (CNS). This report had been originally submitted by Nebraska Public Power District to the Nuclear Regulatory Commission (NRC) per the above reference. This report, identified as Revision 1, supersedes Revision 0 in its entirety.

During an internal review of the referenced report, an error was discovered in the wind speed statistics of the Joint Frequency Distributions which resulted in the reporting of higher than actual hourly wind speeds at both the ten and 100 meter levels. As a result, the atmospheric diffusion estimates and gaseous effluent dose calculations reported were nonconservative and under reported in some sectors. These errors were corrected and the atmospheric diffusion estimates and gaseous effluent dose calculations for Year 2000 were recalculated. The revised calculations produced minor increases in doses in some sectors. Additional minor changes occurred in the results due to revised dose conversion factors and in the data presentation format in the updated programs. These corrections did not result in any Technical Specification, Offsite Dose Assessment Manual, emergency preparedness, radiological or environmental program violations.

The format of the revised report is nearly identical to the original report as Revision 1. While the changes in magnitude of the individual report results are small, these changes are numerous. As such, revision bars have not been utilized to identify the changes.

In accordance with 10 CFR 50.4(b)(1), we are enclosing one signed original of the report for your use, one copy to the Regional Office, and one copy to the NRC Senior Resident Inspector. The enclosed Revision 1 report supersedes the report submitted per the above reference in totality.

IE48

Cooper Nuclear Station
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Should you have any questions or comments regarding the resubmittal of this report, please contact me at 402-825-2760 or David F. Kunsemiller, Risk and Regulatory Affairs Manager, at 402-825-5236.

Sincerely,

David L. Wilson
Vice President - Nuclear

/dnm
Enclosure

cc: Regional Administrator
USNRC - Region IV

Senior Project Manager
USNRC - NRR Project Directorate IV-1

Senior Resident Inspector
USNRC

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Records

Correspondence Number: NLS2002012

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

REVISION 1

USNRC Docket 50-298

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Introduction

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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.

This report supersedes Revision 0 in its entirety. Changes are due to corrections in 10 meter and 100 meter wind velocities.

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 I.2I. Meteorological data required by Table 4A&B of Regulatory Guide I.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 x 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	tritum	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

Number of Shipments	Mode of Transportation	Destination
21	Exclusive Use Vehicle	Barnwell, SC

4. Solidification Agent

No shipments required solidification during this period.

B. Irradiated Fuel Shipments (Disposition)

Number of Shipments	Mode of Transportation	Destination
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*	N	N	NNW	N	NNW
1. Total mrad	5.57E -4	3.57E-4	1.46E-2	6.69E-2	8.23E-2
2. Percent of Technical Specification Limit %	0.01	0.01	0.29	1.34	0.82
Most Exposed Resident	(	0.90 miles NW			)
1. Total mrad	2.00E -3	4.20E-4	2.50E-2	6.04E-2	8.21E-2
2. Percent of Technical Specification Limit %	0.04	0.01	0.50	1.21	0.82

B. Maximum beta air dose					
Site boundary*	N	N	NNW	N	NNW
1. Total mrad	5.76E-4	3.78E-4	1.53E-2	4.69E-2	6.58E-2
2. Percent of Technical Specification Limit %	0.01	0.00	0.15	0.47	0.33
Most Exposed Resident	(	0.90 miles NW			)
1. Total mrad	2.07E -3	4.45E-4	2.62E-2	5.59E-2	8.00E-2
2. Percent of Technical Specification Limit %	0.02	0.00	0.26	0.56	0.40

C. Maximum organ dose due to I-131, I-133, and particulates (>8 day half lives)					
Site boundary*	N	N	N	N	N
1. Total mrem	3.31E -1	9.69E-2	7.64E-2	1.63E-1	7.98E-1
2. Percent of Technical Specification Limit %	4.41	1.29	1.02	2.17	5.32
3. Organ	Thyroid	Thyroid	Thyroid	Bone	Thyroid
4. Exposed Individual	Infant	Infant	Infant	Child	Infant
Most Exposed Resident	(	0.90 miles NW			)
1. Total mrem	1.12E -1	3.34E-2	6.14E-2	1.85E-1	4.12E-1
2. Percent of Technical Specification Limit %	1.49	0.45	0.82	2.47	2.75
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 7.98E-1 mrem/year which was 5.32% 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.

** Site boundary key: N means the site boundary that is 0.67 miles to the North; NNW means the site boundary that is 0.69 miles to the North- Northwest*

LIQUID RADIOACTIVE WASTES
CUMULATIVE DOSE DATA

		1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Annual
A. Maximum whole body dose						
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 2×10^{-4} μCi/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 ODAM 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 ODAM 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 being 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.

		Lowest Data Recovery	Average Data Recovery
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 temerpature data was used, when necessary, to replace invalid 10 meter temperature data.

WIND AT 100-METER LEVEL AND 10-METER LEVEL

	Predominant Wind Direction at 100m Level		Predominant Wind Direction at 10m Level	
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%

	Mean Wind Speed at 100m Level	Mean Wind Speed at 10m Level
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

	Maximum Hourly Average Wind Speed/(Date at 100m Level)	Maximum Hourly Average Wind Speed/(Date at 10m Level)
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

	Mean Hourly Average Temperature	Average Daily Maximum	Average Daily Minimum
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

	Maximum Temperature (Date)	Minimum Temperature (Date)
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

	Total Precipitation	Maximum Daily Precipitation Total/(Date)	Maximum Hourly Precipitation Total/(Date)
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.

	Unstable Conditions Classes A-C	Neutral Conditions Class D	Stable Conditions Classes E-G
Q1	4%	53%	43%
Q2	12%	49%	39%
SEM1	8%	51%	41%
Q3	9%	42%	49%
Q4	2%	59%	39%
SEM2	5%	51%	44%
ANN	7%	51%	42%

TABLE 1. Meteorological Data Recovery

Data Recovery (% of total Observations)

	January-March 2000	April-June 2000	January-June 2000	July-Sept. 2000	October-Dec. 2000	July-Dec. 2000	January-Dec. 2000
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	99.9	99.9	100.0	99.9	99.9	99.9
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: PC-1.0

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

MONTHLY HOUR AVERAGES

JANUARY

10.0 METER LEVEL

	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
HOUR	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	-.6	31	-7.7	30	58.6	30	2.9	30	-3.0
12	31	.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	-.7
15	31	3.4	31	-7.3	31	47.1	31	3.0	31	-.3
16	31	3.6	31	-7.3	31	46.6	31	2.9	31	-.3
17	31	3.3	31	-7.6	31	46.9	31	2.9	31	-.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	.7	31	-8.1	31	53.8	31	2.8	31	-2.2
21	31	.0	31	-8.4	31	55.4	31	2.8	31	-2.7
22	31	-.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		-.6		-8.2		57.7		2.8		-3.1
AVG DAILY MAX		4.3		-5.5		70.9		3.4		.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		18.7		1.3		-14.5
TOTAL OBS	728		744		728		728		728	

PROGRAM: WETTEMP
VERSION: PC-1.0

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

MONTHLY HOUR AVERAGES

FEBRUARY

10.0 METER LEVEL

	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
HOUR	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	.6
2	28	2.4	28	-3.6	27	65.5	27	4.2	27	.4
3	28	2.1	28	-3.7	27	66.1	27	4.1	27	.1
4	28	1.8	28	-3.8	27	66.7	27	4.1	27	-.1
5	28	1.4	28	-4.0	27	67.9	27	4.0	27	-.4
6	28	1.1	28	-4.0	27	69.0	27	4.0	27	-.6
7	28	.9	28	-4.1	27	69.7	27	4.0	27	-.7
8	28	.8	28	-4.0	27	70.2	27	4.1	27	-.7
9	27	1.4	27	-3.5	26	69.9	26	4.2	26	-.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		-.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: PC-1.0

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

MONTHLY HOUR AVERAGES

MARCH

10.0 METER LEVEL

HOUR	TEMPERATURE NUMBER OBS	TEMPERATURE (DEG C)	DEW POINT NUMBER OBS	DEW POINT (DEG C)	RELATIVE HUM NUMBER OBS	RELATIVE HUM (%)	ABSOLUTE HUM NUMBER OBS	ABSOLUTE HUM (GM/M3)	WET BULB NUMBER OBS	WET BULB (DEG C)
1	31	6.1	31	-.8	31	62.0	31	4.8	31	3.3
2	31	5.5	31	-.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	-.8	31	63.3	31	4.8	31	3.1
10	31	7.4	31	-.5	31	59.0	31	4.9	31	4.1
11	31	9.0	31	-.3	31	54.1	31	4.9	31	5.0
12	31	10.3	31	-.4	31	49.8	31	4.9	31	5.7
13	31	11.1	31	-.7	31	46.7	31	4.8	31	6.1
14	31	11.8	31	-.9	31	44.2	31	4.8	31	6.4
15	31	12.3	31	-.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	40.9	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	-.8	31	48.9	31	4.8	31	5.6
21	31	9.2	31	-.6	31	52.5	31	4.9	31	5.1
22	31	8.3	31	-.5	31	55.3	31	4.9	31	4.6
23	31	7.4	31	-.8	31	57.4	31	4.8	31	4.1
24	31	6.7	31	-.7	31	60.0	31	4.8	31	3.7
HOURLY MEAN		8.2		-.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		.9
ABSOLUTE MAX		23.9		12.9		81.5		11.0		16.8
ABSOLUTE MIN		-5.6		-14.7		17.8		1.5		-7.1
TOTAL OBS	744		744		744		744		744	

PROGRAM: WETTEMP
VERSION: PC-1.0

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

JAN-MAR HOUR AVERAGES

10.0 METER LEVEL

HOUR	TEMPERATURE NUMBER OBS	TEMPERATURE (DEG C)	DEW POINT NUMBER OBS	DEW POINT (DEG C)	RELATIVE HUM NUMBER OBS	RELATIVE HUM (%)	ABSOLUTE HUM NUMBER OBS	ABSOLUTE HUM (GM/M3)	WET BULB NUMBER OBS	WET BULB (DEG C)
1	89	2.4	90	-4.2	89	62.7	89	3.9	89	.0
2	88	1.8	90	-4.3	87	64.1	87	3.9	87	-.4
3	88	1.5	90	-4.5	87	64.9	87	3.8	87	-.6
4	88	1.2	90	-4.6	87	65.6	87	3.8	87	-.9
5	88	.9	90	-4.7	87	66.5	87	3.8	87	-1.1
6	88	.6	90	-4.8	87	67.3	87	3.8	87	-1.3
7	88	.4	90	-4.9	87	67.7	87	3.8	87	-1.4
8	89	.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	-.7
10	88	2.8	89	-3.8	87	62.7	87	4.0	87	.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	45.3	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	.7
24	90	2.9	90	-4.1	89	61.2	89	3.9	89	.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		17.8		1.3		-14.5
TOTAL OBS	2143		2153		2124		2124		2124	

PROGRAM: WETTEMP
VERSION: PC-1.0

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

MONTHLY HOUR AVERAGES

APRIL

10.0 METER LEVEL

HOUR	TEMPERATURE NUMBER OBS	TEMPERATURE (DEG C)	DEW POINT NUMBER OBS	DEW POINT (DEG C)	RELATIVE HUM NUMBER OBS	RELATIVE HUM (%)	ABSOLUTE HUM NUMBER OBS	ABSOLUTE HUM (GM/M3)	WET BULB NUMBER OBS	WET BULB (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	41.9	30	5.4	30	8.9
14	30	16.1	29	1.3	29	40.9	29	5.3	29	9.0
15	30	16.6	29	1.2	29	40.0	29	5.3	29	9.2
16	30	16.9	29	1.3	29	39.2	29	5.4	29	9.4
17	30	16.9	29	1.5	29	39.6	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	44.4	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		53.3		5.6		7.4
AVG DAILY MAX		18.2		5.5		72.0		7.2		10.7
AVG DAILY MIN		6.3		-1.3		34.4		4.4		3.7
ABSOLUTE MAX		31.2		16.5		87.0		13.8		18.4
ABSOLUTE MIN		-1.8		-10.7		13.3		2.1		-3.9
TOTAL OBS	717		699		698		698		698	

PROGRAM: WETTEMP
VERSION: PC-1.0

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

MONTHLY HOUR AVERAGES

MAY

10.0 METER LEVEL

HOUR	TEMPERATURE NUMBER OBS	TEMPERATURE (DEG C)	DEW POINT NUMBER OBS	DEW POINT (DEG C)	RELATIVE HUM NUMBER OBS	RELATIVE HUM (%)	ABSOLUTE HUM NUMBER OBS	ABSOLUTE HUM (GM/M3)	WET BULB NUMBER OBS	WET BULB (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	41.8	17	7.7	17	13.8
16	30	25.1	17	7.4	16	41.9	16	7.6	16	13.7
17	31	25.0	16	7.5	16	44.7	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		42.1		7.8		11.1
ABSOLUTE MAX		36.6		18.3		82.6		15.4		21.3
ABSOLUTE MIN		5.9		-4.5		15.4		3.3		2.3
TOTAL OBS	701		471		445		445		445	

PROGRAM: WETTEMP
VERSION: PC-1.0

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

MONTHLY HOUR AVERAGES

JUNE

10.0 METER LEVEL

HOUR	TEMPERATURE NUMBER OBS	TEMPERATURE (DEG C)	DEW POINT NUMBER OBS	DEW POINT (DEG C)	RELATIVE HUM NUMBER OBS	RELATIVE HUM (%)	ABSOLUTE HUM NUMBER OBS	ABSOLUTE HUM (GM/M3)	WET BULB NUMBER OBS	WET BULB (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	12.4	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	13.1	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: PC-1.0

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

APR-JUN AVERAGES

10.0 METER LEVEL

HOUR	TEMPERATURE NUMBER OBS	TEMPERATURE (DEG C)	DEW POINT NUMBER OBS	DEW POINT (DEG C)	RELATIVE HUM NUMBER OBS	RELATIVE HUM (%)	ABSOLUTE HUM NUMBER OBS	ABSOLUTE HUM (GM/M3)	WET BULB NUMBER OBS	WET BULB (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	43.3	65	7.6	65	12.7
15	90	22.7	65	6.0	64	42.4	64	7.5	64	12.7
16	90	23.0	64	5.9	63	41.5	63	7.5	63	12.8
17	91	22.9	64	6.2	64	43.1	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		41.8		7.5		9.7
ABSOLUTE MAX		36.6		20.5		87.0		17.6		22.9
ABSOLUTE MIN		-1.8		-10.7		13.3		2.1		-3.9
TOTAL OBS	2118		1722		1683		1683		1683	

PROGRAM: WETTEMP
VERSION: PC-1.0

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

JAN-JUN HOUR AVERAGES

10.0 METER LEVEL

	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
HOUR	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	175	8.9	161	.9	157	63.7	157	5.8	157	4.7
2	174	8.5	162	.9	156	65.2	156	5.9	156	4.5
3	176	8.1	165	.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	.9	157	48.2	157	5.6	157	7.0
14	180	14.9	155	.6	154	45.9	154	5.5	154	7.2
15	180	15.4	154	.5	153	44.6	153	5.5	153	7.4
16	180	15.6	154	.4	153	44.1	153	5.4	153	7.4
17	181	15.6	154	.4	154	44.4	154	5.5	154	7.4
18	181	15.0	153	.4	153	46.1	153	5.5	153	7.1
19	181	14.1	154	.4	154	48.6	154	5.6	154	6.7
20	182	12.8	156	.7	156	51.7	156	5.7	156	6.3
21	181	11.7	157	.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	.7	153	62.4	153	5.7	153	4.6
HOURLY MEAN		11.1		.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		-.9		42.1		5.3		3.4
ABSOLUTE MAX		36.6		20.5		89.7		17.6		22.9
ABSOLUTE MIN		-13.8		-17.7		13.3		1.3		-14.5
TOTAL OBS	4261		3875		3807		3807		3807	

PROGRAM: WETTEMP
VERSION: PC-1.0

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

MONTHLY HOUR AVERAGES

JULY

10.0 METER LEVEL

HOUR	TEMPERATURE NUMBER OBS	TEMPERATURE (DEG C)	DEW POINT NUMBER OBS	DEW POINT (DEG C)	RELATIVE HUM NUMBER OBS	RELATIVE HUM (%)	ABSOLUTE HUM NUMBER OBS	ABSOLUTE HUM (GM/M3)	WET BULB NUMBER OBS	WET BULB (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	18.0	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: PC-1.0

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

MONTHLY HOUR AVERAGES

AUGUST

10.0 METER LEVEL

HOUR	TEMPERATURE NUMBER OBS	TEMPERATURE (DEG C)	DEW POINT NUMBER OBS	DEW POINT (DEG C)	RELATIVE HUM NUMBER OBS	RELATIVE HUM (%)	ABSOLUTE HUM NUMBER OBS	ABSOLUTE HUM (GM/M3)	WET BULB NUMBER OBS	WET BULB (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	19.9	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: PC-1.0

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

MONTHLY HOUR AVERAGES

SEPTEMBER

10.0 METER LEVEL

HOUR	TEMPERATURE NUMBER OBS	TEMPERATURE (DEG C)	DEW POINT NUMBER OBS	DEW POINT (DEG C)	RELATIVE HUM NUMBER OBS	RELATIVE HUM (%)	ABSOLUTE HUM NUMBER OBS	ABSOLUTE HUM (GM/M3)	WET BULB NUMBER OBS	WET BULB (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	43.8	30	9.8	30	16.3
13	30	25.3	30	10.2	30	41.2	30	9.7	30	16.7
14	30	26.1	30	9.9	30	39.0	30	9.5	30	16.8
15	30	26.9	30	9.6	30	36.9	30	9.3	30	16.9
16	30	27.1	30	9.4	30	35.9	30	9.1	30	16.9
17	30	26.8	30	9.3	30	36.4	30	9.1	30	16.8
18	30	25.7	30	9.6	30	39.1	30	9.3	30	16.5
19	30	23.2	30	10.0	30	45.5	30	9.6	30	15.7
20	30	21.6	30	10.0	30	49.8	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		53.0		9.5		14.7
AVG DAILY MAX		27.8		12.5		73.0		11.3		17.7
AVG DAILY MIN		14.4		7.2		33.6		7.9		11.4
ABSOLUTE MAX		39.1		22.2		84.7		19.3		24.9
ABSOLUTE MIN		5.9		-.3		11.7		4.5		3.9
TOTAL OBS	720		720		720		720		720	

PROGRAM: WETTEMP
VERSION: PC-1.0

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

JUL-SEP HOUR AVERAGES

10.0 METER LEVEL

	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
HOUR	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	50.1	48	11.9	48	18.2
13	90	27.5	48	13.2	48	47.6	48	11.8	48	18.5
14	90	28.2	47	13.0	47	45.0	47	11.7	47	18.7
15	89	28.7	45	12.5	45	42.2	45	11.3	45	18.7
16	91	28.9	46	12.6	46	41.5	46	11.4	46	18.9
17	92	28.8	47	12.9	47	42.6	47	11.6	47	19.0
18	92	28.0	47	13.1	47	45.6	47	11.8	47	18.7
19	92	26.5	47	13.6	47	51.9	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		44.0		10.5		14.6
ABSOLUTE MAX		39.9		23.6		93.5		20.9		26.8
ABSOLUTE MIN		5.9		-.3		11.7		4.5		3.9
TOTAL OBS	2152		1169		1166		1166		1166	

PROGRAM: WETTEMP
VERSION: PC-1.0

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

MONTHLY HOUR AVERAGES

OCTOBER

10.0 METER LEVEL

HOUR	TEMPERATURE NUMBER OBS	TEMPERATURE (DEG C)	DEW POINT NUMBER OBS	DEW POINT (DEG C)	RELATIVE HUM NUMBER OBS	RELATIVE HUM (%)	ABSOLUTE HUM NUMBER OBS	ABSOLUTE HUM (GM/M3)	WET BULB NUMBER OBS	WET BULB (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		18.7		2.4		-4.8
TOTAL OBS	693		691		691		691		691	

PROGRAM: WETTEMP
VERSION: PC-1.0

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 METER LEVEL

	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
HOUR	NUMBER OBS	(DEG C)	NUMBER OBS	(DEG C)	NUMBER OBS	(%)	NUMBER OBS	(GM/M3)	NUMBER OBS	(DEG C)
1	30	.2	30	-4.2	30	72.7	30	3.9	30	-1.4
2	30	-.0	30	-4.3	30	73.7	30	3.9	30	-1.6
3	30	-.3	30	-4.4	30	74.4	30	3.9	30	-1.8
4	30	-.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	-.6	30	-4.7	30	73.9	30	3.8	30	-2.1
10	30	.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	-.1
12	30	3.3	30	-4.1	30	59.9	30	3.9	30	.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	.9
19	30	3.0	30	-4.2	30	60.2	30	3.8	30	.3
20	30	2.3	30	-4.4	30	62.2	30	3.7	30	-.2
21	30	1.6	30	-4.3	30	65.8	30	3.7	30	-.6
22	30	.9	30	-4.4	30	68.5	30	3.7	30	-1.0
23	30	.5	30	-4.5	30	69.5	30	3.7	30	-1.3
24	30	-.0	30	-4.7	30	71.3	30	3.6	30	-1.7
HOURLY MEAN		1.5		-4.4		66.6		3.8		-.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	

PROGRAM: WETTEMP
VERSION: PC-1.0

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

MONTHLY HOUR AVERAGES

DECEMBER

10.0 METER LEVEL

	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
HOUR	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		.4		91.2		4.9		8.0
ABSOLUTE MIN		-21.7		-25.4		31.8		.7		-22.0
TOTAL OBS	744		744		744		744		744	

PROGRAM: WETTEMP
VERSION: PC-1.0

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

OCT-DEC HOUR AVERAGES

10.0 METER LEVEL

HOUR	TEMPERATURE NUMBER OBS	TEMPERATURE (DEG C)	DEW POINT NUMBER OBS	DEW POINT (DEG C)	RELATIVE HUM NUMBER OBS	RELATIVE HUM (%)	ABSOLUTE HUM NUMBER OBS	ABSOLUTE HUM (GM/M3)	WET BULB NUMBER OBS	WET BULB (DEG C)
1	90	1.3	90	-3.7	90	70.3	90	4.6	90	-.6
2	89	.9	89	-4.0	89	71.0	89	4.5	89	-1.0
3	90	.6	90	-4.1	90	71.7	90	4.5	90	-1.1
4	90	.4	90	-4.1	90	72.8	90	4.5	90	-1.3
5	90	.1	90	-4.2	90	73.7	90	4.5	90	-1.5
6	90	-.1	90	-4.2	90	74.4	90	4.5	90	-1.6
7	90	-.3	90	-4.4	90	74.6	90	4.4	90	-1.8
8	90	-.2	90	-4.4	90	73.8	90	4.5	90	-1.8
9	90	.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	-.3
11	90	3.2	90	-3.5	90	63.4	90	4.7	90	.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	.9
20	90	3.2	90	-3.7	90	62.2	90	4.6	90	.5
21	90	2.6	90	-3.7	90	64.7	90	4.6	90	.1
22	90	2.0	90	-3.8	90	66.6	90	4.6	90	-.2
23	90	1.6	90	-3.9	90	67.9	90	4.6	90	-.5
24	90	1.2	90	-3.9	90	69.5	90	4.6	90	-.7
HOURLY MEAN		2.5		-3.8		65.3		4.6		.0
AVG DAILY MAX		7.5		-.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		18.7		.7		-22.0
TOTAL OBS	2157		2155		2155		2155		2155	

PROGRAM: WETTEMP
VERSION: PC-1.0

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

JUL-DEC HOUR AVERAGES

10.0 METER LEVEL

HOUR	TEMPERATURE NUMBER OBS	TEMPERATURE (DEG C)	DEW POINT NUMBER OBS	DEW POINT (DEG C)	RELATIVE HUM NUMBER OBS	RELATIVE HUM (%)	ABSOLUTE HUM NUMBER OBS	ABSOLUTE HUM (GM/M3)	WET BULB NUMBER OBS	WET BULB (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	56.5	138	7.2	138	7.1
13	180	16.3	137	2.3	137	53.8	137	7.2	137	7.4
14	180	17.0	136	2.2	136	51.5	136	7.0	136	7.6
15	178	17.4	134	1.9	134	49.7	134	6.9	134	7.7
16	180	17.7	135	2.0	135	49.0	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		.2		48.5		6.3		3.5
ABSOLUTE MAX		39.9		23.6		93.5		20.9		26.8
ABSOLUTE MIN		-21.7		-25.4		11.7		.7		-22.0
TOTAL OBS	4309		3324		3321		3321		3321	

PROGRAM: WETTEMP
VERSION: PC-1.0

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

ANNUAL HOUR AVERAGES

10.0 METER LEVEL

	TEMPERATURE		DEW POINT		RELATIVE HUM		ABSOLUTE HUM		WET BULB	
HOUR	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	50.8	294	6.4	294	7.2
14	360	15.9	291	1.4	290	48.5	290	6.2	290	7.4
15	358	16.4	288	1.1	287	47.0	287	6.1	287	7.5
16	360	16.6	289	1.1	288	46.4	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		-.4		45.0		5.7		3.4
ABSOLUTE MAX		39.9		23.6		93.5		20.9		26.8
ABSOLUTE MIN		-21.7		-25.4		11.7		.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-DEC 2000

PROGRAM: WINPER
VERSION: PC-1.0

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	19.4	3.2	00.0	6.5	3.2	3.2	12.9	9.7	00.0	100.
2	6.5	3.2	3.2	6.5	3.2	00.0	9.7	9.7	16.1	6.5	00.0	3.2	00.0	6.5	12.9	12.9	00.0	100.
3	16.1	3.2	3.2	6.5	6.5	3.2	6.5	9.7	12.9	3.2	00.0	6.5	3.2	00.0	16.1	3.2	00.0	100.
4	6.5	3.2	00.0	9.7	6.5	6.5	6.5	6.5	19.4	6.5	00.0	3.2	00.0	3.2	16.1	6.5	00.0	100.
5	9.7	00.0	6.5	00.0	6.5	3.2	9.7	16.1	9.7	00.0	3.2	3.2	3.2	9.7	9.7	9.7	00.0	100.
6	9.7	9.7	00.0	3.2	3.2	6.5	3.2	16.1	9.7	12.9	00.0	6.5	00.0	6.5	6.5	6.5	00.0	100.
7	9.7	9.7	3.2	00.0	6.5	3.2	00.0	12.9	19.4	3.2	3.2	6.5	3.2	9.7	6.5	3.2	00.0	100.
8	9.7	00.0	6.5	3.2	6.5	6.5	00.0	16.1	12.9	6.5	00.0	6.5	00.0	6.5	16.1	3.2	00.0	100.
9	3.2	6.5	3.2	3.2	3.2	9.7	00.0	12.9	9.7	9.7	3.2	3.2	3.2	6.5	12.9	9.7	00.0	100.
10	9.7	3.2	3.2	00.0	9.7	6.5	3.2	9.7	6.5	12.9	3.2	3.2	3.2	9.7	6.5	9.7	00.0	100.
11	00.0	3.2	00.0	00.0	6.5	12.9	3.2	6.5	9.7	9.7	6.5	3.2	3.2	9.7	9.7	16.1	00.0	100.
12	6.5	12.9	00.0	00.0	00.0	9.7	6.5	6.5	16.1	6.5	3.2	6.5	3.2	9.7	6.5	6.5	00.0	100.
13	3.2	9.7	3.2	00.0	3.2	6.5	3.2	3.2	16.1	6.5	3.2	6.5	6.5	12.9	6.5	9.7	00.0	100.
14	6.5	3.2	3.2	00.0	3.2	3.2	6.5	6.5	3.2	19.4	3.2	3.2	3.2	6.5	12.9	16.1	00.0	100.
15	6.5	3.2	3.2	00.0	3.2	3.2	9.7	3.2	00.0	22.6	3.2	6.5	00.0	9.7	16.1	9.7	00.0	100.
16	00.0	6.5	3.2	3.2	3.2	6.5	9.7	00.0	3.2	16.1	6.5	6.5	6.5	3.2	12.9	12.9	00.0	100.
17	3.2	6.5	3.2	3.2	3.2	3.2	3.2	6.5	00.0	16.1	9.7	9.7	00.0	3.2	12.9	16.1	00.0	100.
18	6.5	6.5	00.0	3.2	3.2	00.0	6.5	6.5	3.2	9.7	12.9	12.9	00.0	3.2	6.5	19.4	00.0	100.
19	00.0	3.2	3.2	3.2	3.2	3.2	6.5	00.0	12.9	6.5	16.1	00.0	9.7	00.0	9.7	22.6	00.0	100.
20	6.5	00.0	3.2	9.7	3.2	00.0	6.5	3.2	16.1	12.9	3.2	3.2	6.5	3.2	9.7	12.9	00.0	100.
21	9.7	3.2	3.2	6.5	3.2	3.2	6.5	9.7	12.9	00.0	6.5	6.5	6.5	3.2	6.5	12.9	00.0	100.
22	6.5	6.5	3.2	6.5	3.2	00.0	3.2	6.5	22.6	00.0	3.2	6.5	3.2	3.2	6.5	19.4	00.0	100.
23	3.2	6.5	3.2	00.0	3.2	6.5	6.5	12.9	9.7	00.0	6.5	3.2	3.2	3.2	12.9	19.4	00.0	100.
24	9.7	6.5	3.2	00.0	3.2	3.2	6.5	22.6	9.7	3.2	00.0	3.2	3.2	00.0	16.1	9.7	00.0	100.
ALL	6.7	5.0	2.8	3.0	4.2	4.6	5.4	8.7	11.3	8.1	4.0	5.2	3.1	5.5	10.9	11.6	00.0	100.

NUMBER OF OBS = 744

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	00.0	00.0	14.8	11.1	14.8	11.1	7.4	00.0	00.0	14.8	00.0	11.1	00.0	100.
2	11.1	3.7	00.0	00.0	00.0	00.0	14.8	11.1	18.5	3.7	3.7	7.4	00.0	7.4	7.4	11.1	00.0	100.
3	11.1	00.0	00.0	00.0	00.0	7.4	7.4	14.8	11.1	18.5	3.7	3.7	00.0	7.4	7.4	7.4	00.0	100.
4	7.4	3.7	00.0	00.0	00.0	00.0	14.8	18.5	22.2	3.7	00.0	00.0	3.7	7.4	3.7	11.1	3.7	100.
5	14.8	00.0	00.0	00.0	00.0	3.7	18.5	18.5	11.1	7.4	00.0	3.7	7.4	3.7	7.4	3.7	00.0	100.
6	7.4	00.0	00.0	00.0	00.0	3.7	18.5	14.8	14.8	7.4	3.7	7.4	00.0	3.7	3.7	14.8	00.0	100.
7	7.4	00.0	00.0	00.0	00.0	7.4	22.2	22.2	3.7	3.7	00.0	7.4	7.4	3.7	3.7	11.1	00.0	100.
8	7.4	00.0	00.0	00.0	00.0	3.7	11.1	25.9	14.8	3.7	3.7	7.4	00.0	7.4	3.7	11.1	00.0	100.
9	7.7	00.0	00.0	00.0	00.0	00.0	15.4	19.2	23.1	3.8	7.7	7.7	00.0	00.0	7.7	7.7	00.0	100.
10	11.5	00.0	00.0	00.0	00.0	00.0	3.8	23.1	15.4	11.5	3.8	7.7	00.0	3.8	3.8	15.4	00.0	100.
11	3.8	3.8	00.0	00.0	00.0	00.0	11.5	3.8	15.4	15.4	15.4	3.8	3.8	00.0	3.8	19.2	00.0	100.
12	3.8	3.8	00.0	00.0	00.0	3.8	7.7	7.7	11.5	23.1	7.7	3.8	3.8	00.0	7.7	15.4	00.0	100.
13	00.0	3.8	00.0	00.0	00.0	3.8	3.8	7.7	15.4	26.9	00.0	7.7	00.0	3.8	7.7	19.2	00.0	100.
14	3.8	3.8	00.0	00.0	00.0	7.7	00.0	3.8	19.2	23.1	00.0	11.5	00.0	3.8	7.7	15.4	00.0	100.
15	00.0	00.0	3.8	00.0	00.0	3.8	3.8	3.8	26.9	11.5	3.8	3.8	7.7	3.8	7.7	19.2	00.0	100.
16	00.0	00.0	3.8	00.0	00.0	3.8	3.8	3.8	23.1	15.4	00.0	3.8	7.7	7.7	3.8	23.1	00.0	100.
17	00.0	3.7	00.0	3.7	00.0	00.0	7.4	3.7	22.2	14.8	00.0	00.0	7.4	11.1	3.7	22.2	00.0	100.
18	3.7	3.7	3.7	3.7	00.0	3.7	7.4	11.1	11.1	7.4	3.7	3.7	00.0	7.4	11.1	18.5	00.0	100.
19	7.4	3.7	00.0	3.7	00.0	7.4	00.0	14.8	11.1	11.1	00.0	00.0	7.4	3.7	3.7	25.9	00.0	100.
20	7.4	3.7	3.7	00.0	00.0	3.7	3.7	11.1	14.8	11.1	00.0	3.7	7.4	00.0	7.4	22.2	00.0	100.
21	3.7	00.0	3.7	3.7	00.0	00.0	3.7	14.8	18.5	7.4	3.7	3.7	00.0	3.7	14.8	18.5	00.0	100.
22	14.8	00.0	3.7	7.4	00.0	00.0	3.7	18.5	11.1	7.4	3.7	3.7	3.7	7.4	11.1	3.7	00.0	100.
23	7.4	7.4	00.0	00.0	3.7	00.0	7.4	14.8	11.1	7.4	3.7	3.7	3.7	3.7	11.1	14.8	00.0	100.
24	7.4	7.4	3.7	00.0	00.0	3.7	3.7	22.2	7.4	14.8	7.4	00.0	3.7	11.1	3.7	3.7	00.0	100.
ALL	6.6	2.3	1.3	.9	.2	2.8	8.7	13.4	15.3	11.2	3.4	4.4	3.1	5.3	6.4	14.4	.2	100.

NUMBER OF OBS = 640

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	6.5	12.9	16.1	12.9	3.2	00.0	00.0	00.0	3.2	9.7	00.0	00.0	100.
2	22.6	3.2	00.0	3.2	00.0	3.2	16.1	12.9	12.9	6.5	00.0	00.0	00.0	3.2	9.7	6.5	00.0	100.
3	25.8	3.2	3.2	00.0	3.2	12.9	6.5	12.9	3.2	6.5	00.0	3.2	00.0	3.2	6.5	9.7	00.0	100.
4	16.1	3.2	3.2	12.9	3.2	3.2	00.0	19.4	9.7	00.0	00.0	00.0	00.0	3.2	6.5	19.4	00.0	100.
5	25.8	3.2	3.2	3.2	00.0	6.5	6.5	22.6	00.0	3.2	00.0	00.0	3.2	3.2	16.1	3.2	00.0	100.
6	19.4	12.9	3.2	3.2	3.2	6.5	00.0	25.8	9.7	00.0	00.0	00.0	3.2	00.0	6.5	6.5	00.0	100.
7	16.1	3.2	6.5	6.5	00.0	3.2	9.7	12.9	19.4	00.0	00.0	00.0	3.2	00.0	12.9	6.5	00.0	100.
8	9.7	6.5	3.2	6.5	3.2	6.5	3.2	16.1	12.9	3.2	3.2	00.0	3.2	00.0	6.5	16.1	00.0	100.
9	9.7	6.5	00.0	6.5	6.5	9.7	00.0	12.9	16.1	00.0	3.2	3.2	3.2	3.2	3.2	16.1	00.0	100.
10	16.1	6.5	6.5	3.2	3.2	12.9	3.2	00.0	16.1	12.9	6.5	00.0	3.2	00.0	3.2	6.5	00.0	100.
11	12.9	3.2	6.5	00.0	9.7	9.7	3.2	3.2	19.4	6.5	3.2	00.0	00.0	6.5	00.0	16.1	00.0	100.
12	25.8	00.0	00.0	00.0	6.5	9.7	9.7	3.2	19.4	9.7	00.0	3.2	00.0	3.2	3.2	6.5	00.0	100.
13	25.8	00.0	3.2	6.5	6.5	6.5	3.2	6.5	9.7	9.7	3.2	3.2	3.2	3.2	00.0	9.7	00.0	100.
14	19.4	3.2	3.2	3.2	9.7	00.0	12.9	3.2	9.7	9.7	00.0	9.7	3.2	3.2	3.2	6.5	00.0	100.
15	16.1	00.0	3.2	3.2	9.7	3.2	12.9	00.0	9.7	9.7	00.0	6.5	00.0	6.5	6.5	12.9	00.0	100.
16	22.6	00.0	3.2	9.7	9.7	3.2	3.2	6.5	6.5	9.7	3.2	3.2	00.0	6.5	3.2	9.7	00.0	100.
17	22.6	6.5	3.2	9.7	3.2	00.0	6.5	6.5	6.5	6.5	3.2	6.5	00.0	3.2	6.5	9.7	00.0	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	00.0	3.2	3.2	12.9	00.0	100.
19	25.8	3.2	3.2	9.7	3.2	3.2	3.2	9.7	3.2	6.5	3.2	3.2	6.5	00.0	12.9	3.2	00.0	100.
20	12.9	9.7	6.5	3.2	3.2	00.0	3.2	9.7	6.5	6.5	00.0	6.5	3.2	6.5	6.5	16.1	00.0	100.
21	29.0	00.0	3.2	3.2	3.2	3.2	6.5	12.9	9.7	3.2	00.0	00.0	6.5	00.0	6.5	12.9	00.0	100.
22	22.6	00.0	3.2	3.2	3.2	9.7	6.5	9.7	16.1	00.0	3.2	00.0	00.0	6.5	6.5	9.7	00.0	100.
23	22.6	6.5	3.2	6.5	3.2	00.0	12.9	00.0	19.4	00.0	00.0	3.2	00.0	9.7	3.2	9.7	00.0	100.
24	29.0	6.5	00.0	3.2	3.2	00.0	9.7	12.9	6.5	6.5	00.0	00.0	00.0	9.7	3.2	9.7	00.0	100.
ALL	20.3	4.0	3.6	5.0	4.2	5.1	6.5	10.1	10.9	5.2	1.6	2.3	1.7	3.6	6.0	9.8	00.0	100.

NUMBER OF OBS = 744

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

PROGRAM: WINPER
VERSION: PC-1.0

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	15.7	5.6	2.2	2.2	1.1	6.7	7.9	6.7	00.0	100.
2	13.5	3.4	1.1	3.4	1.1	1.1	13.5	11.2	15.7	5.6	1.1	3.4	00.0	5.6	10.1	10.1	00.0	100.
3	18.0	2.2	2.2	2.2	3.4	7.9	6.7	12.4	9.0	9.0	1.1	4.5	1.1	3.4	10.1	6.7	00.0	100.
4	10.1	3.4	1.1	7.9	3.4	3.4	6.7	14.6	16.9	3.4	00.0	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	6.7	3.4	1.1	2.2	4.5	5.6	11.2	5.6	00.0	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	00.0	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	00.0	100.
8	9.0	2.2	3.4	3.4	3.4	5.6	4.5	19.1	13.5	4.5	2.2	4.5	1.1	4.5	9.0	10.1	00.0	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	00.0	100.
10	12.5	3.4	3.4	1.1	4.5	6.8	3.4	10.2	12.5	12.5	4.5	3.4	2.3	4.5	4.5	10.2	00.0	100.
11	5.7	3.4	2.3	00.0	5.7	8.0	5.7	4.5	14.8	10.2	8.0	2.3	2.3	5.7	4.5	17.0	00.0	100.
12	12.5	5.7	00.0	00.0	2.3	8.0	8.0	5.7	15.9	12.5	3.4	4.5	2.3	4.5	5.7	9.1	00.0	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	00.0	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	00.0	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	00.0	100.
16	8.0	2.3	3.4	4.5	4.5	4.5	5.7	3.4	10.2	13.6	3.4	4.5	4.5	5.7	6.8	14.8	00.0	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	00.0	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	00.0	4.5	6.7	16.9	00.0	100.
19	11.2	3.4	2.2	5.6	2.2	4.5	3.4	7.9	9.0	7.9	6.7	1.1	7.9	1.1	9.0	16.9	00.0	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	00.0	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	00.0	100.
22	14.6	2.2	3.4	5.6	2.2	3.4	4.5	11.2	16.9	2.2	3.4	3.4	2.2	5.6	7.9	11.2	00.0	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	2.2	5.6	9.0	14.6	00.0	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	00.0	100.
ALL	11.4	3.9	2.6	3.1	3.0	4.2	6.8	10.6	12.4	8.0	3.0	3.9	2.6	4.8	7.8	11.8	.0	100.

NUMBER OF OBS = 2128

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	00.0	3.3	3.3	13.3	3.3	3.3	10.0	6.7	3.3	00.0	6.7	10.0	16.7	13.3	00.0	100.
2	10.3	00.0	00.0	00.0	3.4	13.8	3.4	3.4	10.3	3.4	00.0	3.4	3.4	10.3	13.8	20.7	00.0	100.
3	6.7	6.7	00.0	00.0	6.7	00.0	13.3	13.3	6.7	3.3	3.3	00.0	6.7	3.3	20.0	10.0	00.0	100.
4	10.0	3.3	00.0	3.3	10.0	3.3	3.3	16.7	10.0	6.7	00.0	00.0	6.7	3.3	13.3	10.0	00.0	100.
5	13.3	6.7	00.0	3.3	6.7	3.3	3.3	16.7	6.7	10.0	00.0	00.0	6.7	00.0	16.7	6.7	00.0	100.
6	6.7	3.3	6.7	00.0	6.7	00.0	6.7	13.3	16.7	00.0	00.0	3.3	6.7	3.3	13.3	13.3	00.0	100.
7	6.7	3.3	3.3	3.3	6.7	6.7	6.7	13.3	10.0	6.7	00.0	00.0	00.0	10.0	20.0	3.3	00.0	100.
8	3.3	3.3	00.0	10.0	3.3	00.0	16.7	6.7	13.3	6.7	00.0	6.7	3.3	6.7	13.3	6.7	00.0	100.
9	6.7	00.0	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	00.0	100.
10	3.3	00.0	00.0	6.7	10.0	3.3	6.7	10.0	6.7	3.3	3.3	3.3	16.7	00.0	10.0	16.7	00.0	100.
11	6.7	3.3	00.0	00.0	10.0	6.7	3.3	13.3	6.7	3.3	00.0	6.7	6.7	3.3	16.7	13.3	00.0	100.
12	3.3	6.7	6.7	3.3	6.7	6.7	10.0	6.7	13.3	00.0	00.0	10.0	6.7	00.0	10.0	10.0	00.0	100.
13	10.0	00.0	00.0	6.7	3.3	6.7	10.0	10.0	10.0	3.3	00.0	10.0	10.0	00.0	10.0	10.0	00.0	100.
14	6.7	3.3	3.3	00.0	3.3	6.7	3.3	13.3	10.0	3.3	10.0	6.7	10.0	3.3	6.7	10.0	00.0	100.
15	10.0	3.3	00.0	3.3	00.0	3.3	13.3	6.7	13.3	6.7	3.3	3.3	13.3	00.0	10.0	10.0	00.0	100.
16	00.0	6.7	00.0	3.3	3.3	6.7	10.0	6.7	13.3	10.0	6.7	3.3	00.0	3.3	6.7	20.0	00.0	100.
17	3.3	00.0	3.3	00.0	00.0	13.3	6.7	10.0	16.7	3.3	13.3	3.3	00.0	3.3	6.7	16.7	00.0	100.
18	3.3	00.0	6.7	00.0	6.7	6.7	16.7	3.3	16.7	3.3	6.7	3.3	00.0	3.3	3.3	20.0	00.0	100.
19	6.7	00.0	3.3	6.7	3.3	6.7	10.0	16.7	13.3	3.3	3.3	3.3	00.0	00.0	3.3	20.0	00.0	100.
20	13.3	00.0	3.3	3.3	6.7	6.7	3.3	13.3	13.3	6.7	3.3	00.0	00.0	00.0	10.0	16.7	00.0	100.
21	3.3	3.3	3.3	6.7	3.3	10.0	3.3	6.7	16.7	13.3	00.0	00.0	3.3	00.0	13.3	13.3	00.0	100.
22	6.7	3.3	3.3	00.0	3.3	10.0	00.0	3.3	33.3	6.7	00.0	00.0	00.0	6.7	16.7	6.7	00.0	100.
23	6.7	6.7	3.3	00.0	3.3	6.7	00.0	10.0	23.3	3.3	3.3	00.0	3.3	3.3	16.7	10.0	00.0	100.
24	00.0	00.0	00.0	3.3	3.3	6.7	6.7	10.0	20.0	3.3	00.0	6.7	3.3	10.0	10.0	16.7	00.0	100.
ALL	6.4	2.6	2.1	2.9	5.0	6.3	7.1	9.9	13.2	5.0	2.9	3.2	5.0	3.6	12.2	12.5	00.0	100.

NUMBER OF OBS = 719

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	00.0	00.0	6.5	00.0	22.6	12.9	9.7	6.5	3.2	00.0	6.5	6.5	12.9	3.2	100.
2	3.2	6.5	00.0	3.2	00.0	3.2	6.5	16.1	22.6	6.5	00.0	00.0	6.5	3.2	9.7	12.9	00.0	100.
3	9.7	3.2	00.0	00.0	3.2	9.7	6.5	12.9	12.9	6.5	3.2	3.2	00.0	6.5	9.7	12.9	00.0	100.
4	9.7	3.2	00.0	00.0	6.5	3.2	6.5	29.0	9.7	3.2	3.2	00.0	00.0	3.2	9.7	12.9	00.0	100.
5	9.7	6.5	00.0	00.0	3.2	3.2	12.9	25.8	6.5	9.7	3.2	00.0	3.2	6.5	3.2	6.5	00.0	100.
6	9.7	6.5	6.5	00.0	3.2	3.2	12.9	16.1	6.5	3.2	6.5	00.0	00.0	6.5	3.2	16.1	00.0	100.
7	12.9	6.5	00.0	00.0	3.2	12.9	9.7	3.2	22.6	6.5	00.0	00.0	00.0	9.7	3.2	9.7	00.0	100.
8	9.7	6.5	00.0	00.0	6.5	3.2	22.6	12.9	6.5	6.5	3.2	3.2	00.0	3.2	9.7	6.5	00.0	100.
9	9.7	3.2	00.0	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	00.0	100.
10	6.5	6.5	00.0	00.0	6.5	3.2	9.7	16.1	12.9	9.7	3.2	3.2	00.0	6.5	12.9	3.2	00.0	100.
11	6.5	3.2	3.2	00.0	00.0	6.5	9.7	12.9	16.1	12.9	00.0	00.0	6.5	3.2	12.9	6.5	00.0	100.
12	9.7	00.0	3.2	00.0	00.0	6.5	9.7	16.1	12.9	9.7	3.2	00.0	3.2	9.7	3.2	12.9	00.0	100.
13	6.5	6.5	00.0	00.0	00.0	3.2	6.5	22.6	12.9	6.5	3.2	00.0	00.0	6.5	16.1	9.7	00.0	100.
14	9.7	6.5	00.0	00.0	00.0	3.2	3.2	19.4	19.4	6.5	3.2	3.2	00.0	3.2	16.1	6.5	00.0	100.
15	3.2	3.2	6.5	3.2	00.0	3.2	6.5	16.1	19.4	6.5	3.2	00.0	3.2	3.2	12.9	9.7	00.0	100.
16	3.2	3.2	00.0	3.2	3.2	3.2	6.5	16.1	22.6	3.2	00.0	3.2	3.2	6.5	6.5	16.1	00.0	100.
17	00.0	6.5	00.0	00.0	3.2	6.5	3.2	16.1	25.8	6.5	00.0	3.2	3.2	6.5	6.5	12.9	00.0	100.
18	3.2	3.2	00.0	00.0	6.5	00.0	6.5	22.6	19.4	6.5	3.2	00.0	3.2	3.2	9.7	12.9	00.0	100.
19	3.2	3.2	3.2	00.0	3.2	00.0	6.5	19.4	29.0	00.0	3.2	00.0	3.2	9.7	6.5	9.7	00.0	100.
20	3.2	00.0	00.0	00.0	3.2	3.2	3.2	29.0	22.6	3.2	00.0	3.2	00.0	3.2	12.9	12.9	00.0	100.
21	3.2	00.0	00.0	00.0	3.2	00.0	9.7	25.8	19.4	3.2	00.0	3.2	00.0	6.5	16.1	9.7	00.0	100.
22	12.9	3.2	3.2	3.2	3.2	00.0	00.0	25.8	25.8	3.2	00.0	00.0	00.0	12.9	00.0	6.5	00.0	100.
23	16.1	00.0	00.0	00.0	6.5	00.0	6.5	22.6	16.1	6.5	6.5	00.0	6.5	00.0	3.2	9.7	00.0	100.
24	3.3	6.7	00.0	00.0	3.3	3.3	3.3	23.3	23.3	00.0	6.7	00.0	3.3	3.3	00.0	20.0	00.0	100.
ALL	7.0	4.2	1.1	.7	3.0	3.9	7.3	19.2	17.0	6.1	2.7	1.3	2.0	5.7	8.1	10.8	.1	100.

NUMBER OF OBS = 743

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	00.0	00.0	00.0	3.3	6.7	10.0	33.3	10.0	00.0	3.3	00.0	00.0	6.7	20.0	00.0	100.
2	6.7	3.3	3.3	3.3	00.0	00.0	00.0	13.3	26.7	6.7	6.7	00.0	00.0	00.0	10.0	20.0	00.0	100.
3	00.0	3.3	3.3	6.7	00.0	00.0	00.0	20.0	26.7	6.7	10.0	00.0	3.3	6.7	6.7	6.7	00.0	100.
4	3.3	3.3	3.3	00.0	3.3	00.0	00.0	13.3	26.7	13.3	00.0	3.3	00.0	3.3	13.3	10.0	3.3	100.
5	00.0	00.0	3.3	3.3	00.0	00.0	3.3	23.3	20.0	3.3	10.0	00.0	6.7	3.3	10.0	13.3	00.0	100.
6	00.0	3.3	00.0	00.0	00.0	10.0	00.0	16.7	6.7	20.0	3.3	10.0	3.3	6.7	6.7	13.3	00.0	100.
7	6.7	00.0	00.0	6.7	3.3	00.0	10.0	6.7	23.3	13.3	00.0	3.3	6.7	3.3	3.3	13.3	00.0	100.
8	3.3	3.3	3.3	00.0	3.3	00.0	3.3	3.3	33.3	13.3	3.3	10.0	3.3	6.7	00.0	10.0	00.0	100.
9	6.7	3.3	00.0	3.3	3.3	3.3	3.3	00.0	30.0	13.3	3.3	00.0	10.0	6.7	3.3	10.0	00.0	100.
10	3.3	00.0	6.7	3.3	3.3	00.0	00.0	13.3	23.3	10.0	6.7	6.7	6.7	3.3	6.7	6.7	00.0	100.
11	3.3	3.3	3.3	00.0	00.0	6.7	3.3	16.7	16.7	6.7	00.0	10.0	10.0	3.3	3.3	13.3	00.0	100.
12	6.7	00.0	3.3	3.3	3.3	00.0	3.3	23.3	13.3	10.0	6.7	3.3	3.3	6.7	3.3	10.0	00.0	100.
13	10.0	00.0	00.0	3.3	6.7	3.3	3.3	16.7	16.7	10.0	6.7	00.0	3.3	6.7	3.3	10.0	00.0	100.
14	6.7	3.3	3.3	00.0	3.3	6.7	00.0	20.0	20.0	10.0	00.0	3.3	3.3	6.7	00.0	13.3	00.0	100.
15	00.0	3.3	6.7	00.0	3.3	00.0	10.0	20.0	16.7	10.0	00.0	3.3	00.0	6.7	00.0	20.0	00.0	100.
16	3.3	10.0	00.0	00.0	3.3	3.3	6.7	16.7	20.0	10.0	00.0	3.3	00.0	3.3	6.7	13.3	00.0	100.
17	6.7	3.3	6.7	00.0	00.0	3.3	6.7	16.7	16.7	10.0	00.0	6.7	00.0	00.0	10.0	13.3	00.0	100.
18	16.7	3.3	3.3	00.0	00.0	3.3	3.3	16.7	23.3	3.3	00.0	6.7	00.0	3.3	6.7	10.0	00.0	100.
19	00.0	00.0	10.0	10.0	00.0	00.0	6.7	3.3	30.0	6.7	6.7	00.0	00.0	3.3	3.3	20.0	00.0	100.
20	6.7	3.3	00.0	3.3	3.3	00.0	00.0	23.3	23.3	10.0	00.0	00.0	3.3	6.7	10.0	6.7	00.0	100.
21	6.7	00.0	6.7	00.0	6.7	00.0	6.7	13.3	20.0	6.7	3.3	00.0	3.3	3.3	3.3	20.0	00.0	100.
22	6.7	00.0	00.0	3.3	3.3	3.3	3.3	20.0	20.0	6.7	3.3	3.3	3.3	3.3	3.3	16.7	00.0	100.
23	3.3	00.0	00.0	00.0	00.0	3.3	3.3	26.7	23.3	6.7	3.3	6.7	00.0	6.7	00.0	16.7	00.0	100.
24	00.0	00.0	00.0	00.0	3.3	3.3	00.0	20.0	30.0	6.7	3.3	00.0	6.7	3.3	6.7	16.7	00.0	100.
ALL	4.7	2.1	2.8	2.1	2.2	2.2	3.5	15.6	22.5	9.3	3.2	3.5	3.2	4.3	5.3	13.5	.1	100.

NUMBER OF OBS = 720

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	1.1	1.1	7.7	3.3	12.1	18.7	8.8	3.3	2.2	2.2	5.5	9.9	15.4	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	00.0	100.
3	5.5	4.4	1.1	2.2	3.3	3.3	6.6	15.4	15.4	5.5	5.5	1.1	3.3	5.5	12.1	9.9	00.0	100.
4	7.7	3.3	1.1	1.1	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	00.0	5.5	3.3	9.9	8.8	00.0	100.
6	5.5	4.4	4.4	00.0	3.3	4.4	6.6	15.4	9.9	7.7	3.3	4.4	3.3	5.5	7.7	14.3	00.0	100.
7	8.8	3.3	1.1	3.3	4.4	6.6	8.8	7.7	18.7	8.8	00.0	1.1	2.2	7.7	8.8	8.8	00.0	100.
8	5.5	4.4	1.1	3.3	4.4	1.1	14.3	7.7	17.6	8.8	2.2	6.6	2.2	5.5	7.7	7.7	00.0	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	00.0	100.
10	4.4	2.2	2.2	3.3	6.6	2.2	5.5	13.2	14.3	7.7	4.4	4.4	7.7	3.3	9.9	8.8	00.0	100.
11	5.5	3.3	2.2	00.0	3.3	6.6	5.5	14.3	13.2	7.7	00.0	5.5	7.7	3.3	11.0	11.0	00.0	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	00.0	100.
13	8.8	2.2	00.0	3.3	3.3	4.4	6.6	16.5	13.2	6.6	3.3	3.3	4.4	4.4	9.9	9.9	00.0	100.
14	7.7	4.4	2.2	00.0	2.2	5.5	2.2	17.6	16.5	6.6	4.4	4.4	4.4	4.4	7.7	9.9	00.0	100.
15	4.4	3.3	4.4	2.2	1.1	2.2	9.9	14.3	16.5	7.7	2.2	2.2	5.5	3.3	7.7	13.2	00.0	100.
16	2.2	6.6	00.0	2.2	3.3	4.4	7.7	13.2	18.7	7.7	2.2	3.3	1.1	4.4	6.6	16.5	00.0	100.
17	3.3	3.3	3.3	00.0	1.1	7.7	5.5	14.3	19.8	6.6	4.4	4.4	1.1	3.3	7.7	14.3	00.0	100.
18	7.7	2.2	3.3	00.0	4.4	3.3	8.8	14.3	19.8	4.4	3.3	3.3	1.1	3.3	6.6	14.3	00.0	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	00.0	100.
20	7.7	1.1	1.1	2.2	4.4	3.3	2.2	22.0	19.8	6.6	1.1	1.1	1.1	3.3	11.0	12.1	00.0	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	00.0	100.
22	8.8	2.2	2.2	2.2	3.3	4.4	1.1	16.5	26.4	5.5	1.1	1.1	1.1	7.7	6.6	9.9	00.0	100.
23	8.8	2.2	1.1	00.0	3.3	3.3	3.3	19.8	20.9	5.5	4.4	2.2	3.3	3.3	6.6	12.1	00.0	100.
24	1.1	2.2	00.0	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	00.0	100.
ALL	6.0	3.0	2.0	1.9	3.4	4.1	6.0	14.9	17.6	6.8	2.9	2.7	3.4	4.5	8.5	12.2	.1	100.

NUMBER OF OBS = 2182

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

PROGRAM: WINPER
VERSION: PC-1.0

HOURLY WIND ROSES (PERCENT)

JAN-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	10.0	2.8	2.2	1.7	1.1	5.6	7.2	11.7	17.2	7.2	2.8	2.2	1.7	6.1	8.9	11.1	.6	100.
2	10.1	3.4	1.1	2.8	1.1	3.4	8.4	11.2	17.9	5.6	1.7	2.2	1.7	5.0	10.6	14.0	00.0	100.
3	11.7	3.3	1.7	2.2	3.3	5.6	6.7	13.9	12.2	7.2	3.3	2.8	2.2	4.4	11.1	8.3	00.0	100.
4	8.9	3.3	1.1	4.4	5.0	2.8	5.0	17.2	16.1	5.6	.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	8.9	5.6	2.8	1.1	5.0	4.4	10.6	7.2	00.0	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	00.0	100.
7	10.0	3.9	2.2	2.8	3.3	5.6	9.4	11.7	16.7	5.6	.6	2.8	3.3	6.1	8.3	7.8	00.0	100.
8	7.2	3.3	2.2	3.3	3.9	3.3	9.4	13.3	15.6	6.7	2.2	5.6	1.7	5.0	8.3	8.9	00.0	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	00.0	100.
10	8.4	2.8	2.8	2.2	5.6	4.5	4.5	11.7	13.4	10.1	4.5	3.9	5.0	3.9	7.3	9.5	00.0	100.
11	5.6	3.4	2.2	00.0	4.5	7.3	5.6	9.5	14.0	8.9	3.9	3.9	5.0	4.5	7.8	14.0	00.0	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	00.0	100.
13	9.5	3.4	1.1	2.8	3.4	5.0	5.0	11.2	13.4	10.1	2.8	4.5	3.9	5.6	7.3	11.2	00.0	100.
14	8.9	3.9	2.2	.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	00.0	100.
15	6.1	2.2	3.9	1.7	2.8	2.8	9.5	8.4	14.0	11.2	2.2	3.9	3.9	5.0	8.9	13.4	00.0	100.
16	5.0	4.5	1.7	3.4	3.9	4.5	6.7	8.4	14.5	10.6	2.8	3.9	2.8	5.0	6.7	15.6	00.0	100.
17	6.1	4.4	2.8	2.8	1.7	4.4	5.6	10.0	14.4	9.4	4.4	5.0	1.7	4.4	7.8	15.0	00.0	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	.6	3.9	6.7	15.6	00.0	100.
19	7.2	2.2	3.9	5.6	2.2	3.3	5.6	10.6	16.7	5.6	5.6	1.1	4.4	2.8	6.7	16.7	00.0	100.
20	8.3	2.8	2.8	3.3	3.3	2.2	3.3	15.0	16.1	8.3	1.1	2.8	3.3	3.3	9.4	14.4	00.0	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	00.0	100.
22	11.7	2.2	2.8	3.9	2.8	3.9	2.8	13.9	21.7	3.9	2.2	2.2	1.7	6.7	7.2	10.6	00.0	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	2.8	4.4	7.8	13.3	00.0	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	00.0	100.
ALL	8.7	3.4	2.3	2.5	3.2	4.2	6.4	12.8	15.0	7.4	3.0	3.3	3.0	4.7	8.2	12.0	.1	100.

NUMBER OF OBS = 4310

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

PROGRAM: WINPER
VERSION: PC-1.0

HOURLY WIND ROSES (PERCENT)

JULY

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	6.5	3.2	00.0	00.0	6.5	6.5	38.7	3.2	6.5	6.5	00.0	00.0	00.0	12.9	00.0	100.
2	6.5	9.7	3.2	3.2	00.0	00.0	16.1	9.7	29.0	00.0	6.5	00.0	00.0	00.0	3.2	12.9	00.0	100.
3	12.9	9.7	3.2	3.2	00.0	3.2	9.7	6.5	19.4	3.2	3.2	3.2	00.0	3.2	3.2	16.1	00.0	100.
4	3.2	16.1	3.2	6.5	3.2	00.0	9.7	6.5	19.4	9.7	00.0	00.0	00.0	3.2	00.0	19.4	00.0	100.
5	6.5	6.5	3.2	3.2	3.2	6.5	12.9	12.9	12.9	9.7	00.0	00.0	00.0	00.0	9.7	9.7	3.2	100.
6	16.1	3.2	3.2	00.0	6.5	00.0	12.9	19.4	22.6	00.0	3.2	00.0	00.0	00.0	00.0	12.9	00.0	100.
7	9.7	12.9	00.0	3.2	6.5	3.2	6.5	12.9	22.6	00.0	00.0	00.0	00.0	9.7	00.0	12.9	00.0	100.
8	12.9	9.7	3.2	6.5	3.2	9.7	9.7	6.5	16.1	9.7	00.0	00.0	00.0	00.0	00.0	12.9	00.0	100.
9	9.7	6.5	6.5	6.5	3.2	6.5	00.0	19.4	16.1	16.1	00.0	00.0	00.0	00.0	00.0	9.7	00.0	100.
10	6.5	9.7	6.5	3.2	6.5	6.5	6.5	6.5	19.4	16.1	3.2	00.0	00.0	3.2	00.0	6.5	00.0	100.
11	16.1	6.5	6.5	6.5	6.5	00.0	12.9	3.2	19.4	12.9	00.0	3.2	00.0	3.2	00.0	3.2	00.0	100.
12	12.9	6.5	00.0	9.7	6.5	3.2	6.5	16.1	12.9	12.9	00.0	3.2	00.0	00.0	00.0	9.7	00.0	100.
13	12.9	6.5	9.7	00.0	6.5	6.5	3.2	12.9	19.4	9.7	3.2	00.0	00.0	00.0	3.2	6.5	00.0	100.
14	9.7	9.7	3.2	6.5	00.0	6.5	3.2	16.1	12.9	12.9	6.5	00.0	00.0	00.0	00.0	12.9	00.0	100.
15	12.9	9.7	00.0	3.2	3.2	3.2	16.1	6.5	16.1	9.7	00.0	6.5	00.0	3.2	00.0	9.7	00.0	100.
16	12.9	16.1	00.0	3.2	9.7	00.0	6.5	19.4	12.9	6.5	6.5	00.0	00.0	00.0	00.0	6.5	00.0	100.
17	16.1	19.4	00.0	00.0	6.5	3.2	16.1	16.1	9.7	3.2	3.2	00.0	00.0	00.0	3.2	3.2	00.0	100.
18	16.1	9.7	6.5	00.0	3.2	3.2	22.6	19.4	00.0	6.5	00.0	00.0	00.0	00.0	00.0	12.9	00.0	100.
19	9.7	16.1	6.5	00.0	3.2	12.9	22.6	9.7	3.2	3.2	00.0	3.2	00.0	00.0	00.0	9.7	00.0	100.
20	3.2	9.7	3.2	6.5	6.5	6.5	19.4	9.7	3.2	3.2	3.2	00.0	3.2	00.0	9.7	12.9	00.0	100.
21	9.7	00.0	6.5	00.0	6.5	6.5	12.9	22.6	6.5	00.0	00.0	3.2	00.0	00.0	3.2	22.6	00.0	100.
22	12.9	6.5	3.2	00.0	00.0	12.9	3.2	22.6	9.7	9.7	00.0	00.0	3.2	00.0	3.2	12.9	00.0	100.
23	00.0	6.5	3.2	3.2	00.0	6.5	9.7	12.9	16.1	6.5	6.5	00.0	00.0	3.2	3.2	22.6	00.0	100.
24	3.2	6.5	00.0	00.0	6.5	3.2	9.7	9.7	22.6	12.9	00.0	3.2	3.2	00.0	00.0	19.4	00.0	100.
ALL	9.9	9.0	3.6	3.2	4.0	4.6	10.6	12.6	15.9	7.4	2.2	1.3	.4	1.2	1.7	12.1	.1	100.

NUMBER OF OBS = 744

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

PROGRAM: WINPER
VERSION: PC-1.0

HOURLY WIND ROSES (PERCENT)

AUGUST

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	9.7	00.0	3.2	3.2	9.7	19.4	16.1	9.7	3.2	6.5	00.0	00.0	00.0	3.2	3.2	00.0	100.
2	6.5	6.5	00.0	00.0	12.9	00.0	16.1	22.6	12.9	6.5	00.0	3.2	00.0	00.0	00.0	12.9	00.0	100.
3	6.5	3.2	3.2	3.2	6.5	6.5	16.1	22.6	9.7	3.2	6.5	00.0	00.0	00.0	00.0	12.9	00.0	100.
4	9.7	9.7	6.5	3.2	3.2	12.9	16.1	12.9	3.2	3.2	00.0	3.2	00.0	3.2	00.0	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	00.0	00.0	00.0	3.2	12.9	00.0	100.
6	3.2	3.2	3.2	3.2	6.5	3.2	16.1	22.6	9.7	3.2	6.5	00.0	3.2	3.2	6.5	6.5	00.0	100.
7	12.9	3.2	3.2	3.2	3.2	12.9	9.7	9.7	16.1	00.0	9.7	3.2	00.0	00.0	6.5	6.5	00.0	100.
8	9.7	3.2	00.0	00.0	00.0	19.4	19.4	19.4	9.7	00.0	6.5	3.2	00.0	00.0	00.0	9.7	00.0	100.
9	6.5	6.5	3.2	3.2	3.2	9.7	22.6	16.1	9.7	3.2	6.5	00.0	00.0	00.0	3.2	6.5	00.0	100.
10	00.0	9.7	6.5	6.5	00.0	19.4	9.7	22.6	6.5	9.7	00.0	00.0	00.0	3.2	00.0	6.5	00.0	100.
11	3.2	3.2	6.5	6.5	6.5	16.1	16.1	9.7	12.9	3.2	6.5	00.0	00.0	00.0	00.0	9.7	00.0	100.
12	6.7	3.3	00.0	6.7	10.0	16.7	16.7	10.0	3.3	6.7	6.7	00.0	00.0	3.3	3.3	6.7	00.0	100.
13	6.7	10.0	3.3	3.3	16.7	10.0	13.3	10.0	00.0	6.7	10.0	00.0	00.0	00.0	00.0	10.0	00.0	100.
14	13.3	3.3	6.7	6.7	10.0	13.3	13.3	10.0	00.0	10.0	10.0	00.0	00.0	00.0	00.0	3.3	00.0	100.
15	10.0	3.3	13.3	00.0	3.3	26.7	10.0	10.0	3.3	13.3	3.3	00.0	00.0	00.0	00.0	3.3	00.0	100.
16	6.5	6.5	9.7	6.5	3.2	22.6	16.1	6.5	3.2	16.1	00.0	00.0	00.0	00.0	00.0	3.2	00.0	100.
17	12.9	6.5	3.2	9.7	6.5	22.6	16.1	6.5	3.2	9.7	00.0	00.0	00.0	00.0	00.0	3.2	00.0	100.
18	3.2	3.2	9.7	12.9	9.7	12.9	9.7	12.9	6.5	6.5	3.2	00.0	00.0	00.0	00.0	9.7	00.0	100.
19	3.2	6.5	3.2	9.7	19.4	9.7	9.7	6.5	9.7	3.2	3.2	00.0	00.0	00.0	6.5	9.7	00.0	100.
20	9.7	6.5	3.2	12.9	12.9	6.5	9.7	6.5	9.7	6.5	00.0	00.0	00.0	00.0	9.7	6.5	00.0	100.
21	9.7	9.7	3.2	12.9	12.9	6.5	12.9	3.2	16.1	3.2	3.2	00.0	00.0	00.0	00.0	6.5	00.0	100.
22	19.4	9.7	3.2	6.5	12.9	3.2	12.9	3.2	12.9	3.2	00.0	3.2	3.2	00.0	00.0	6.5	00.0	100.
23	9.7	6.5	6.5	6.5	6.5	12.9	9.7	3.2	12.9	00.0	6.5	00.0	00.0	3.2	3.2	12.9	00.0	100.
24	6.5	00.0	6.5	9.7	6.5	9.7	12.9	12.9	9.7	00.0	00.0	3.2	3.2	00.0	6.5	12.9	00.0	100.
ALL	8.2	5.7	4.7	5.8	7.6	11.9	14.3	12.0	8.2	5.1	4.2	.8	.4	.7	2.2	8.0	.1	100.

NUMBER OF OBS = 740

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

PROGRAM: WINPER
VERSION: PC-1.0

HOURLY WIND ROSES (PERCENT)

SEPTEMBER

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	00.0	00.0	4.3	4.3	8.7	21.7	17.4	4.3	00.0	00.0	00.0	00.0	8.7	8.7	00.0	100.
2	8.7	00.0	00.0	4.3	4.3	4.3	8.7	13.0	17.4	4.3	4.3	00.0	00.0	00.0	8.7	21.7	00.0	100.
3	17.4	00.0	00.0	00.0	4.3	8.7	4.3	13.0	17.4	8.7	4.3	00.0	00.0	4.3	4.3	8.7	4.3	100.
4	13.0	4.3	4.3	00.0	00.0	8.7	4.3	13.0	13.0	13.0	00.0	00.0	4.3	4.3	00.0	17.4	00.0	100.
5	00.0	00.0	4.3	00.0	8.7	4.3	8.7	21.7	8.7	4.3	4.3	8.7	00.0	00.0	4.3	21.7	00.0	100.
6	4.3	00.0	4.3	4.3	4.3	00.0	4.3	21.7	4.3	17.4	4.3	00.0	00.0	4.3	8.7	17.4	00.0	100.
7	8.7	00.0	00.0	00.0	00.0	4.3	17.4	17.4	13.0	17.4	00.0	4.3	00.0	00.0	4.3	8.7	4.3	100.
8	8.7	4.3	00.0	00.0	4.3	00.0	8.7	26.1	26.1	4.3	00.0	4.3	4.3	00.0	4.3	4.3	00.0	100.
9	8.7	00.0	00.0	4.3	00.0	8.7	13.0	8.7	26.1	8.7	4.3	4.3	00.0	00.0	00.0	13.0	00.0	100.
10	4.3	8.7	4.3	4.3	4.3	00.0	13.0	8.7	13.0	17.4	4.3	4.3	00.0	4.3	00.0	8.7	00.0	100.
11	4.3	00.0	4.3	4.3	00.0	4.3	13.0	8.7	13.0	17.4	00.0	00.0	00.0	4.3	4.3	21.7	00.0	100.
12	8.7	4.3	00.0	4.3	4.3	4.3	17.4	4.3	13.0	8.7	00.0	8.7	00.0	00.0	4.3	17.4	00.0	100.
13	13.0	00.0	00.0	00.0	8.7	4.3	13.0	13.0	13.0	00.0	4.3	4.3	00.0	4.3	4.3	17.4	00.0	100.
14	16.7	00.0	00.0	00.0	4.2	4.2	16.7	4.2	16.7	4.2	4.2	4.2	00.0	8.3	4.2	12.5	00.0	100.
15	8.7	4.3	4.3	00.0	4.3	4.3	8.7	13.0	26.1	4.3	00.0	00.0	00.0	4.3	4.3	13.0	00.0	100.
16	4.3	4.3	4.3	00.0	4.3	13.0	8.7	8.7	21.7	4.3	00.0	00.0	00.0	00.0	8.7	17.4	00.0	100.
17	4.3	00.0	4.3	4.3	4.3	00.0	17.4	4.3	26.1	4.3	00.0	00.0	00.0	00.0	4.3	26.1	00.0	100.
18	4.3	4.3	00.0	4.3	4.3	4.3	13.0	17.4	13.0	4.3	00.0	00.0	00.0	00.0	4.3	26.1	00.0	100.
19	00.0	00.0	4.3	00.0	4.3	00.0	21.7	21.7	4.3	4.3	00.0	00.0	00.0	00.0	8.7	30.4	00.0	100.
20	8.7	00.0	4.3	4.3	00.0	4.3	13.0	26.1	8.7	00.0	00.0	00.0	00.0	00.0	4.3	26.1	00.0	100.
21	17.4	00.0	4.3	4.3	4.3	00.0	8.7	30.4	4.3	4.3	00.0	00.0	00.0	00.0	4.3	13.0	4.3	100.
22	13.0	00.0	00.0	00.0	13.0	00.0	8.7	17.4	26.1	00.0	00.0	00.0	00.0	00.0	00.0	21.7	00.0	100.
23	8.7	00.0	4.3	00.0	8.7	4.3	13.0	13.0	17.4	13.0	4.3	00.0	00.0	00.0	00.0	13.0	00.0	100.
24	4.3	00.0	00.0	4.3	8.7	4.3	4.3	21.7	26.1	00.0	4.3	00.0	00.0	00.0	8.7	13.0	00.0	100.
ALL	8.5	1.8	2.2	2.0	4.5	4.0	11.2	15.4	16.1	7.1	1.8	1.8	.4	1.6	4.5	16.6	.5	100.

NUMBER OF OBS = 553

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	00.0	3.5	8.2	00.0	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	00.0	00.0	3.5	15.3	00.0	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	00.0	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	00.0	1.2	1.2	3.5	00.0	15.3	1.2	100.
5	5.9	3.5	5.9	2.4	5.9	4.7	14.1	15.3	9.4	5.9	3.5	2.4	00.0	00.0	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	00.0	1.2	2.4	4.7	11.8	00.0	100.
7	10.6	5.9	1.2	2.4	3.5	7.1	10.6	12.9	17.6	4.7	3.5	2.4	00.0	3.5	3.5	9.4	1.2	100.
8	10.6	5.9	1.2	2.4	2.4	10.6	12.9	16.5	16.5	4.7	2.4	2.4	1.2	00.0	1.2	9.4	00.0	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	00.0	00.0	1.2	9.4	00.0	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	00.0	3.5	00.0	7.1	00.0	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	00.0	2.4	1.2	10.6	00.0	100.
12	9.5	4.8	00.0	7.1	7.1	8.3	13.1	10.7	9.5	9.5	2.4	3.6	00.0	1.2	2.4	10.7	00.0	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	00.0	1.2	2.4	10.7	00.0	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	00.0	2.4	1.2	9.4	00.0	100.
15	10.7	6.0	6.0	1.2	3.6	11.9	11.9	9.5	14.3	9.5	1.2	2.4	00.0	2.4	1.2	8.3	00.0	100.
16	8.2	9.4	4.7	3.5	5.9	11.8	10.6	11.8	11.8	9.4	2.4	00.0	00.0	00.0	2.4	8.2	00.0	100.
17	11.8	9.4	2.4	4.7	5.9	9.4	16.5	9.4	11.8	5.9	1.2	00.0	00.0	00.0	2.4	9.4	00.0	100.
18	8.2	5.9	5.9	5.9	5.9	7.1	15.3	16.5	5.9	5.9	1.2	00.0	00.0	00.0	1.2	15.3	00.0	100.
19	4.7	8.2	4.7	3.5	9.4	8.2	17.6	11.8	5.9	3.5	1.2	1.2	00.0	00.0	4.7	15.3	00.0	100.
20	7.1	5.9	3.5	8.2	7.1	5.9	14.1	12.9	7.1	3.5	1.2	00.0	1.2	00.0	8.2	14.1	00.0	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	00.0	00.0	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	00.0	1.2	2.4	00.0	1.2	12.9	00.0	100.
23	5.9	4.7	4.7	3.5	4.7	8.2	10.6	9.4	15.3	5.9	5.9	00.0	00.0	2.4	2.4	16.5	00.0	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	00.0	4.7	15.3	00.0	100.
ALL	8.9	5.8	3.6	3.8	5.4	7.1	12.1	13.2	13.2	6.5	2.8	1.3	.4	1.1	2.7	11.8	.2	100.

NUMBER OF OBS = 2037

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	6.9	13.8	13.8	27.6	13.8	00.0	00.0	00.0	00.0	6.9	3.4	00.0	100.
2	3.6	3.6	3.6	00.0	7.1	10.7	3.6	17.9	25.0	14.3	00.0	00.0	3.6	3.6	00.0	3.6	00.0	100.
3	3.4	00.0	3.4	3.4	00.0	13.8	10.3	20.7	13.8	10.3	3.4	3.4	3.4	00.0	3.4	6.9	00.0	100.
4	10.3	3.4	00.0	3.4	3.4	6.9	13.8	20.7	17.2	6.9	00.0	00.0	3.4	00.0	6.9	3.4	00.0	100.
5	6.9	10.3	3.4	00.0	3.4	6.9	10.3	20.7	10.3	10.3	3.4	00.0	3.4	00.0	10.3	00.0	00.0	100.
6	3.4	10.3	00.0	00.0	6.9	10.3	6.9	24.1	24.1	00.0	00.0	00.0	3.4	00.0	3.4	3.4	3.4	100.
7	6.9	00.0	00.0	3.4	10.3	6.9	20.7	24.1	6.9	10.3	00.0	00.0	00.0	00.0	00.0	10.3	00.0	100.
8	10.3	6.9	3.4	00.0	3.4	6.9	13.8	13.8	24.1	10.3	00.0	00.0	3.4	00.0	00.0	3.4	00.0	100.
9	13.8	3.4	00.0	3.4	00.0	10.3	3.4	13.8	31.0	10.3	00.0	00.0	00.0	00.0	00.0	10.3	00.0	100.
10	6.9	3.4	00.0	00.0	6.9	6.9	3.4	3.4	27.6	17.2	3.4	6.9	00.0	00.0	3.4	10.3	00.0	100.
11	3.4	00.0	6.9	00.0	3.4	3.4	13.8	3.4	20.7	13.8	10.3	3.4	3.4	00.0	00.0	13.8	00.0	100.
12	3.4	6.9	3.4	3.4	00.0	6.9	10.3	3.4	27.6	10.3	6.9	00.0	00.0	00.0	00.0	17.2	00.0	100.
13	3.4	3.4	3.4	00.0	00.0	6.9	17.2	3.4	27.6	17.2	3.4	00.0	00.0	00.0	3.4	10.3	00.0	100.
14	3.4	3.4	6.9	3.4	00.0	3.4	10.3	20.7	13.8	17.2	3.4	00.0	00.0	00.0	3.4	10.3	00.0	100.
15	7.1	7.1	00.0	00.0	00.0	7.1	7.1	17.9	28.6	10.7	3.6	00.0	00.0	00.0	3.6	7.1	00.0	100.
16	3.6	7.1	00.0	00.0	00.0	7.1	7.1	21.4	10.7	25.0	00.0	00.0	00.0	00.0	3.6	14.3	00.0	100.
17	3.4	3.4	3.4	3.4	00.0	6.9	13.8	13.8	17.2	17.2	00.0	00.0	00.0	3.4	00.0	13.8	00.0	100.
18	3.4	6.9	00.0	3.4	00.0	10.3	13.8	17.2	24.1	00.0	00.0	00.0	3.4	3.4	00.0	13.8	00.0	100.
19	13.8	00.0	00.0	00.0	3.4	6.9	3.4	27.6	17.2	10.3	00.0	00.0	00.0	00.0	3.4	13.8	00.0	100.
20	13.8	00.0	00.0	3.4	3.4	3.4	10.3	24.1	3.4	17.2	3.4	3.4	00.0	00.0	00.0	6.9	6.9	100.
21	6.9	6.9	00.0	00.0	00.0	6.9	6.9	17.2	17.2	13.8	00.0	00.0	3.4	00.0	3.4	13.8	3.4	100.
22	3.4	6.9	00.0	00.0	00.0	3.4	6.9	31.0	17.2	13.8	00.0	00.0	00.0	00.0	00.0	17.2	00.0	100.
23	6.9	6.9	3.4	00.0	00.0	3.4	17.2	13.8	27.6	3.4	3.4	00.0	00.0	3.4	00.0	10.3	00.0	100.
24	00.0	6.9	3.4	00.0	00.0	6.9	10.3	24.1	24.1	3.4	00.0	3.4	00.0	00.0	3.4	13.8	00.0	100.
ALL	6.1	4.6	2.0	1.4	2.2	7.1	10.4	17.2	20.2	11.5	1.9	.9	1.3	.6	2.5	9.7	.6	100.

NUMBER OF OBS = 693

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	00.0	00.0	00.0	00.0	10.0	16.7	13.3	00.0	3.3	3.3	20.0	13.3	10.0	3.3	00.0	100.
2	10.0	00.0	00.0	00.0	00.0	00.0	6.7	16.7	10.0	3.3	00.0	6.7	16.7	13.3	13.3	3.3	00.0	100.
3	3.3	00.0	00.0	00.0	00.0	00.0	3.3	13.3	13.3	00.0	3.3	10.0	16.7	10.0	13.3	13.3	00.0	100.
4	6.7	00.0	00.0	00.0	00.0	00.0	6.7	13.3	6.7	3.3	00.0	13.3	16.7	13.3	10.0	10.0	00.0	100.
5	00.0	00.0	00.0	00.0	00.0	00.0	3.3	6.7	16.7	3.3	6.7	13.3	20.0	10.0	10.0	10.0	00.0	100.
6	3.3	00.0	00.0	00.0	00.0	00.0	13.3	13.3	10.0	00.0	3.3	10.0	13.3	13.3	10.0	10.0	00.0	100.
7	10.0	00.0	00.0	00.0	00.0	3.3	10.0	16.7	00.0	00.0	00.0	3.3	26.7	13.3	10.0	6.7	00.0	100.
8	6.7	00.0	00.0	00.0	00.0	00.0	13.3	6.7	3.3	3.3	3.3	6.7	23.3	10.0	6.7	16.7	00.0	100.
9	3.3	3.3	00.0	00.0	00.0	3.3	10.0	13.3	10.0	00.0	00.0	10.0	20.0	3.3	13.3	10.0	00.0	100.
10	00.0	6.7	00.0	00.0	00.0	00.0	6.7	16.7	6.7	3.3	00.0	3.3	20.0	3.3	20.0	13.3	00.0	100.
11	6.7	6.7	00.0	00.0	3.3	6.7	3.3	3.3	13.3	3.3	00.0	3.3	20.0	6.7	16.7	6.7	00.0	100.
12	6.7	3.3	00.0	00.0	00.0	3.3	6.7	10.0	10.0	3.3	3.3	3.3	20.0	6.7	16.7	6.7	00.0	100.
13	3.3	3.3	3.3	00.0	00.0	3.3	3.3	10.0	6.7	00.0	00.0	10.0	16.7	16.7	10.0	13.3	00.0	100.
14	00.0	00.0	6.7	3.3	00.0	3.3	6.7	6.7	3.3	3.3	3.3	6.7	13.3	20.0	16.7	6.7	00.0	100.
15	00.0	6.7	3.3	00.0	3.3	6.7	3.3	6.7	3.3	00.0	6.7	6.7	6.7	13.3	26.7	6.7	00.0	100.
16	10.0	3.3	3.3	00.0	3.3	00.0	6.7	3.3	6.7	6.7	00.0	10.0	10.0	13.3	10.0	13.3	00.0	100.
17	16.7	00.0	00.0	00.0	6.7	00.0	3.3	6.7	6.7	6.7	3.3	3.3	13.3	6.7	16.7	10.0	00.0	100.
18	6.7	3.3	00.0	00.0	00.0	3.3	3.3	3.3	16.7	3.3	3.3	6.7	6.7	10.0	13.3	20.0	00.0	100.
19	6.7	6.7	00.0	00.0	00.0	00.0	10.0	6.7	6.7	6.7	00.0	3.3	13.3	13.3	6.7	20.0	00.0	100.
20	6.7	00.0	6.7	00.0	00.0	3.3	3.3	6.7	3.3	6.7	6.7	6.7	13.3	16.7	10.0	10.0	00.0	100.
21	3.3	00.0	00.0	00.0	3.3	6.7	3.3	3.3	10.0	6.7	6.7	10.0	6.7	16.7	13.3	10.0	00.0	100.
22	10.0	00.0	00.0	00.0	00.0	6.7	10.0	3.3	10.0	6.7	10.0	3.3	16.7	6.7	13.3	3.3	00.0	100.
23	10.0	3.3	00.0	00.0	00.0	3.3	6.7	3.3	6.7	00.0	16.7	10.0	16.7	6.7	16.7	00.0	00.0	100.
24	6.7	3.3	00.0	00.0	00.0	3.3	3.3	16.7	10.0	3.3	6.7	3.3	23.3	6.7	10.0	3.3	00.0	100.
ALL	6.0	2.1	1.0	.1	.8	2.4	6.5	9.3	8.5	3.1	3.6	6.9	16.2	11.0	13.1	9.4	00.0	100.

NUMBER OF OBS = 720

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	00.0	3.2	6.5	3.2	9.7	6.5	9.7	3.2	3.2	00.0	6.5	00.0	32.3	9.7	00.0	100.
2	6.5	00.0	3.2	3.2	00.0	00.0	16.1	9.7	3.2	3.2	3.2	3.2	00.0	6.5	25.8	16.1	00.0	100.
3	12.9	3.2	3.2	00.0	00.0	00.0	9.7	19.4	00.0	6.5	3.2	00.0	3.2	16.1	9.7	12.9	00.0	100.
4	6.5	3.2	00.0	3.2	00.0	6.5	3.2	9.7	6.5	6.5	6.5	00.0	3.2	9.7	19.4	16.1	00.0	100.
5	9.7	6.5	00.0	6.5	00.0	6.5	6.5	6.5	3.2	00.0	6.5	3.2	6.5	6.5	22.6	9.7	00.0	100.
6	9.7	3.2	00.0	3.2	3.2	00.0	6.5	12.9	3.2	3.2	6.5	3.2	3.2	9.7	22.6	9.7	00.0	100.
7	16.1	3.2	00.0	3.2	3.2	00.0	6.5	6.5	6.5	00.0	3.2	9.7	3.2	9.7	19.4	9.7	00.0	100.
8	9.7	3.2	00.0	3.2	3.2	00.0	9.7	6.5	12.9	3.2	00.0	6.5	3.2	12.9	16.1	9.7	00.0	100.
9	6.5	3.2	00.0	00.0	6.5	00.0	6.5	9.7	9.7	00.0	00.0	6.5	9.7	6.5	16.1	16.1	3.2	100.
10	12.9	00.0	3.2	00.0	6.5	00.0	6.5	12.9	6.5	00.0	00.0	6.5	3.2	6.5	19.4	16.1	00.0	100.
11	12.9	6.5	00.0	3.2	3.2	3.2	3.2	6.5	12.9	3.2	00.0	3.2	3.2	12.9	16.1	9.7	00.0	100.
12	12.9	00.0	00.0	3.2	6.5	00.0	9.7	3.2	9.7	3.2	3.2	3.2	9.7	6.5	19.4	9.7	00.0	100.
13	12.9	00.0	6.5	3.2	3.2	00.0	6.5	00.0	16.1	6.5	00.0	00.0	9.7	3.2	25.8	6.5	00.0	100.
14	12.9	00.0	6.5	3.2	00.0	3.2	6.5	3.2	16.1	3.2	00.0	3.2	3.2	12.9	19.4	6.5	00.0	100.
15	16.1	00.0	9.7	00.0	00.0	12.9	3.2	00.0	12.9	00.0	00.0	6.5	3.2	6.5	22.6	6.5	00.0	100.
16	9.7	6.5	3.2	3.2	00.0	6.5	9.7	6.5	6.5	00.0	3.2	00.0	3.2	3.2	29.0	9.7	00.0	100.
17	9.7	6.5	3.2	3.2	00.0	3.2	12.9	12.9	3.2	00.0	00.0	3.2	00.0	9.7	32.3	00.0	00.0	100.
18	9.7	3.2	00.0	3.2	3.2	6.5	9.7	9.7	3.2	00.0	3.2	00.0	3.2	6.5	25.8	12.9	00.0	100.
19	6.5	3.2	6.5	3.2	00.0	3.2	9.7	9.7	6.5	00.0	3.2	00.0	3.2	00.0	29.0	16.1	00.0	100.
20	9.7	3.2	3.2	6.5	00.0	6.5	6.5	12.9	3.2	3.2	00.0	00.0	6.5	00.0	25.8	12.9	00.0	100.
21	9.7	3.2	3.2	3.2	3.2	3.2	12.9	9.7	3.2	3.2	00.0	00.0	3.2	3.2	16.1	22.6	00.0	100.
22	3.2	6.5	3.2	6.5	3.2	3.2	9.7	6.5	9.7	00.0	3.2	00.0	00.0	9.7	12.9	19.4	3.2	100.
23	3.2	3.2	00.0	9.7	00.0	3.2	19.4	00.0	9.7	6.5	3.2	00.0	00.0	6.5	19.4	16.1	00.0	100.
24	6.5	3.2	00.0	9.7	00.0	00.0	12.9	6.5	00.0	6.5	12.9	00.0	00.0	3.2	25.8	12.9	00.0	100.
ALL	9.7	3.0	2.3	3.6	2.2	3.0	8.9	7.8	7.3	2.6	2.7	2.4	3.8	7.0	21.8	12.0	.3	100.

NUMBER OF OBS = 744

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	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	13.5	7.9	00.0	100.
3	6.7	1.1	2.2	1.1	00.0	4.4	7.8	17.8	8.9	5.6	3.3	4.4	7.8	8.9	8.9	11.1	00.0	100.
4	7.8	2.2	00.0	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	00.0	100.
5	5.6	5.6	1.1	2.2	1.1	4.4	6.7	11.1	10.0	4.4	5.6	5.6	10.0	5.6	14.4	6.7	00.0	100.
6	5.6	4.4	00.0	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	00.0	2.2	4.4	3.3	12.2	15.6	4.4	3.3	1.1	4.4	10.0	7.8	10.0	8.9	00.0	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	00.0	100.
9	7.8	3.3	00.0	1.1	2.2	4.4	6.7	12.2	16.7	3.3	00.0	5.6	10.0	3.3	10.0	12.2	1.1	100.
10	6.7	3.3	1.1	00.0	4.4	2.2	5.6	11.1	13.3	6.7	1.1	5.6	7.8	3.3	14.4	13.3	00.0	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	00.0	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	12.2	11.1	00.0	100.
13	6.7	2.2	4.4	1.1	1.1	3.3	8.9	4.4	16.7	7.8	1.1	3.3	8.9	6.7	13.3	10.0	00.0	100.
14	5.6	1.1	6.7	3.3	00.0	3.3	7.8	10.0	11.1	7.8	2.2	3.3	5.6	11.1	13.3	7.8	00.0	100.
15	7.9	4.5	4.5	00.0	1.1	9.0	4.5	7.9	14.6	3.4	3.4	4.5	3.4	6.7	18.0	6.7	00.0	100.
16	7.9	5.6	2.2	1.1	1.1	4.5	7.9	10.1	7.9	10.1	1.1	3.4	4.5	5.6	14.6	12.4	00.0	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	16.7	7.8	00.0	100.
18	6.7	4.4	00.0	2.2	1.1	6.7	8.9	10.0	14.4	1.1	2.2	2.2	4.4	6.7	13.3	15.6	00.0	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	13.3	16.7	00.0	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	11.1	15.6	1.1	100.
22	5.6	4.4	1.1	2.2	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	00.0	3.3	14.4	5.6	14.4	3.3	7.8	3.3	5.6	5.6	12.2	8.9	00.0	100.
24	4.4	4.4	1.1	3.3	00.0	3.3	8.9	15.6	11.1	4.4	6.7	2.2	7.8	3.3	13.3	10.0	00.0	100.
ALL	7.3	3.2	1.8	1.8	1.7	4.1	8.6	11.3	11.8	5.6	2.7	3.4	7.1	6.3	12.7	10.4	.3	100.

NUMBER OF OBS = 2157

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	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	8.6	11.5	00.0	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	.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	.6	100.
5	5.7	4.6	3.4	2.3	3.4	4.6	10.3	13.1	9.7	5.1	4.6	4.0	5.1	2.9	10.3	10.3	.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	.6	100.
7	10.9	3.4	.6	2.3	4.0	5.1	11.4	14.3	10.9	4.0	2.3	3.4	5.1	5.7	6.9	9.1	.6	100.
8	9.7	4.6	1.1	1.7	2.3	6.3	12.6	12.6	14.9	5.1	1.7	3.4	5.7	4.0	4.6	9.7	00.0	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	.6	100.
10	5.1	6.3	3.4	2.3	4.0	5.7	7.4	12.0	13.1	10.3	1.7	3.4	4.0	3.4	7.4	10.3	00.0	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	00.0	100.
12	8.6	4.0	.6	4.6	4.6	5.7	10.9	8.0	12.6	7.5	3.4	2.9	5.2	2.9	7.5	10.9	00.0	100.
13	8.6	4.0	4.6	1.1	5.7	5.2	9.2	8.0	13.8	6.9	3.4	2.3	4.6	4.0	8.0	10.3	00.0	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	00.0	100.
15	9.2	5.2	5.2	.6	2.3	10.4	8.1	8.7	14.5	6.4	2.3	3.5	1.7	4.6	9.8	7.5	00.0	100.
16	8.0	7.5	3.4	2.3	3.4	8.0	9.2	10.9	9.8	9.8	1.7	1.7	2.3	2.9	8.6	10.3	00.0	100.
17	10.9	6.3	2.3	3.4	4.0	6.3	13.1	10.3	10.3	6.9	1.1	1.1	2.3	3.4	9.7	8.6	00.0	100.
18	7.4	5.1	2.9	4.0	3.4	6.9	12.0	13.1	10.3	3.4	1.7	1.1	2.3	3.4	7.4	15.4	00.0	100.
19	6.9	5.7	3.4	2.3	5.1	5.7	12.6	13.1	8.0	4.6	1.1	1.1	2.9	2.3	9.1	16.0	00.0	100.
20	8.6	3.4	3.4	5.7	4.0	5.1	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	6.9	14.9	1.1	100.
22	10.3	5.1	1.7	2.3	4.6	5.1	8.6	13.7	13.7	5.7	2.3	1.1	4.0	2.9	5.1	13.1	.6	100.
23	6.3	4.6	2.9	3.4	2.3	5.7	12.6	7.4	14.9	4.6	6.9	1.7	2.9	4.0	7.4	12.6	00.0	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	00.0	100.
ALL	8.1	4.5	2.7	2.8	3.5	5.5	10.3	12.2	12.5	6.0	2.8	2.4	3.9	3.8	7.8	11.1	.3	100.

NUMBER OF OBS = 4194

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

PROGRAM: WINPER
VERSION: PC-1.0

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	18.3	5.9	3.1	2.0	3.1	4.2	9.6	9.0	.3	100.
2	8.5	3.4	1.4	2.3	2.5	2.8	9.9	13.0	17.0	5.4	2.0	2.3	2.5	4.5	9.6	12.7	00.0	100.
3	10.4	3.1	2.0	2.0	2.5	5.4	7.9	14.9	12.1	6.2	3.7	2.8	3.1	5.1	8.5	10.1	.3	100.
4	8.5	4.8	1.7	3.7	3.4	4.2	7.0	14.9	13.5	6.2	.8	2.0	3.1	4.8	8.5	12.1	.8	100.
5	9.0	3.7	2.8	2.0	3.1	3.9	9.6	16.9	9.3	5.4	3.7	2.5	5.1	3.7	10.4	8.7	.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	.3	100.
7	10.4	3.7	1.4	2.5	3.7	5.4	10.4	13.0	13.8	4.8	1.4	3.1	4.2	5.9	7.6	8.5	.3	100.
8	8.5	3.9	1.7	2.5	3.1	4.8	11.0	13.0	15.2	5.9	2.0	4.5	3.7	4.5	6.5	9.3	00.0	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	.3	100.
10	6.8	4.5	3.1	2.3	4.8	5.1	5.9	11.9	13.3	10.2	3.1	3.7	4.5	3.7	7.3	9.9	00.0	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	00.0	100.
12	9.1	4.0	1.4	2.8	3.7	5.9	9.3	9.3	13.6	8.5	3.4	3.7	4.2	4.0	6.5	10.5	00.0	100.
13	9.1	3.7	2.8	2.0	4.5	5.1	7.1	9.6	13.6	8.5	3.1	3.4	4.2	4.8	7.6	10.8	00.0	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	00.0	100.
15	7.7	3.7	4.5	1.1	2.6	6.5	8.8	8.5	14.2	8.8	2.3	3.7	2.8	4.8	9.4	10.5	00.0	100.
16	6.5	5.9	2.5	2.8	3.7	6.2	7.9	9.6	12.2	10.2	2.3	2.8	2.5	4.0	7.6	13.0	00.0	100.
17	8.5	5.4	2.5	3.1	2.8	5.4	9.3	10.1	12.4	8.2	2.8	3.1	2.0	3.9	8.7	11.8	00.0	100.
18	7.9	4.5	3.4	3.4	3.4	4.8	9.6	12.1	11.8	4.8	3.7	3.1	1.4	3.7	7.0	15.5	00.0	100.
19	7.0	3.9	3.7	3.9	3.7	4.5	9.0	11.8	12.4	5.1	3.4	1.1	3.7	2.5	7.9	16.3	00.0	100.
20	8.5	3.1	3.1	4.5	3.7	3.7	6.8	14.4	10.7	7.3	1.7	2.3	3.7	3.1	9.9	13.2	.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	8.5	14.6	.6	100.
22	11.0	3.7	2.3	3.1	3.7	4.5	5.6	13.8	17.7	4.8	2.3	1.7	2.8	4.8	6.2	11.8	.3	100.
23	8.2	4.5	2.3	2.3	2.8	4.2	9.3	11.0	16.1	4.2	5.4	2.3	2.8	4.2	7.6	13.0	00.0	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	00.0	100.
ALL	8.4	3.9	2.5	2.6	3.4	4.8	8.3	12.5	13.7	6.7	2.9	2.8	3.4	4.2	8.0	11.6	.2	100.

NUMBER OF OBS = 8504

Wind Direction Frequencies

100-Meter Level

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

PROGRAM: WINPER
VERSION: PC-1.0

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	3.2	6.5	3.2	00.0	3.2	6.5	9.7	6.5	9.7	9.7	6.5	3.2	6.5	3.2	12.9	9.7	00.0	100.
2	3.2	6.5	6.5	00.0	3.2	9.7	3.2	6.5	6.5	16.1	6.5	00.0	9.7	00.0	12.9	9.7	00.0	100.
3	9.7	00.0	6.5	6.5	6.5	9.7	00.0	9.7	3.2	9.7	9.7	00.0	6.5	6.5	9.7	6.5	00.0	100.
4	6.5	00.0	3.2	6.5	00.0	12.9	00.0	16.1	6.5	6.5	6.5	00.0	9.7	3.2	16.1	6.5	00.0	100.
5	9.7	00.0	3.2	6.5	00.0	12.9	00.0	9.7	12.9	6.5	3.2	3.2	3.2	6.5	16.1	6.5	00.0	100.
6	6.5	6.5	3.2	6.5	00.0	12.9	00.0	9.7	12.9	6.5	00.0	6.5	6.5	9.7	6.5	6.5	00.0	100.
7	6.5	00.0	3.2	6.5	6.5	9.7	00.0	9.7	12.9	3.2	6.5	6.5	00.0	3.2	16.1	9.7	00.0	100.
8	6.5	00.0	3.2	3.2	6.5	9.7	6.5	9.7	9.7	3.2	9.7	3.2	00.0	9.7	12.9	6.5	00.0	100.
9	3.2	6.5	3.2	00.0	3.2	12.9	6.5	6.5	12.9	3.2	9.7	00.0	3.2	3.2	16.1	9.7	00.0	100.
10	9.7	6.5	00.0	00.0	6.5	9.7	6.5	00.0	16.1	3.2	9.7	6.5	3.2	3.2	12.9	6.5	00.0	100.
11	3.2	3.2	00.0	00.0	3.2	12.9	6.5	3.2	12.9	9.7	3.2	6.5	3.2	3.2	16.1	12.9	00.0	100.
12	9.7	3.2	3.2	00.0	00.0	9.7	6.5	9.7	12.9	3.2	6.5	6.5	3.2	6.5	6.5	12.9	00.0	100.
13	9.7	3.2	3.2	00.0	00.0	6.5	6.5	3.2	9.7	12.9	3.2	6.5	6.5	12.9	3.2	12.9	00.0	100.
14	3.2	00.0	6.5	00.0	3.2	00.0	12.9	3.2	3.2	16.1	6.5	3.2	3.2	9.7	9.7	19.4	00.0	100.
15	3.2	00.0	3.2	00.0	3.2	00.0	12.9	3.2	00.0	19.4	6.5	6.5	00.0	6.5	19.4	16.1	00.0	100.
16	6.5	6.5	00.0	3.2	3.2	3.2	9.7	3.2	00.0	19.4	6.5	3.2	6.5	3.2	16.1	9.7	00.0	100.
17	00.0	6.5	3.2	00.0	3.2	6.5	3.2	6.5	00.0	16.1	6.5	9.7	3.2	3.2	12.9	19.4	00.0	100.
18	00.0	00.0	6.5	3.2	6.5	00.0	6.5	6.5	00.0	9.7	12.9	6.5	9.7	00.0	6.5	25.8	00.0	100.
19	00.0	3.2	3.2	00.0	9.7	6.5	3.2	6.5	3.2	9.7	6.5	9.7	6.5	3.2	3.2	25.8	00.0	100.
20	9.7	00.0	3.2	3.2	6.5	3.2	6.5	6.5	6.5	9.7	9.7	3.2	9.7	00.0	6.5	16.1	00.0	100.
21	3.2	3.2	3.2	00.0	6.5	6.5	6.5	6.5	9.7	9.7	3.2	3.2	3.2	9.7	9.7	16.1	00.0	100.
22	6.5	6.5	00.0	00.0	3.2	9.7	6.5	3.2	12.9	9.7	00.0	3.2	3.2	16.1	9.7	9.7	00.0	100.
23	00.0	9.7	00.0	00.0	3.2	9.7	9.7	3.2	9.7	12.9	3.2	00.0	9.7	00.0	12.9	16.1	00.0	100.
24	3.2	6.5	3.2	00.0	3.2	6.5	6.5	6.5	12.9	6.5	6.5	3.2	3.2	3.2	16.1	12.9	00.0	100.
ALL	5.1	3.5	3.1	1.9	3.8	7.8	5.6	6.5	8.2	9.7	6.2	4.2	5.0	5.2	11.7	12.6	00.0	100.

NUMBER OF OBS = 744

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	3.4	6.9	3.4	6.9	17.2	3.4	10.3	3.4	10.3	3.4	10.3	10.3	00.0	100.
2	6.9	6.9	00.0	00.0	00.0	6.9	3.4	10.3	13.8	10.3	3.4	00.0	3.4	17.2	00.0	17.2	00.0	100.
3	6.9	3.4	00.0	00.0	00.0	6.9	6.9	6.9	13.8	3.4	10.3	00.0	10.3	6.9	10.3	13.8	00.0	100.
4	6.9	3.4	00.0	00.0	00.0	6.9	6.9	10.3	13.8	6.9	3.4	3.4	3.4	10.3	13.8	10.3	00.0	100.
5	10.3	00.0	00.0	00.0	00.0	3.4	6.9	17.2	6.9	3.4	10.3	6.9	3.4	6.9	10.3	13.8	00.0	100.
6	10.3	00.0	00.0	00.0	00.0	3.4	10.3	13.8	10.3	6.9	6.9	3.4	6.9	00.0	6.9	20.7	00.0	100.
7	6.9	00.0	00.0	00.0	00.0	3.4	10.3	13.8	13.8	00.0	10.3	6.9	3.4	3.4	10.3	17.2	00.0	100.
8	10.3	00.0	00.0	00.0	00.0	3.4	3.4	20.7	13.8	3.4	13.8	3.4	3.4	00.0	13.8	10.3	00.0	100.
9	10.7	00.0	00.0	00.0	3.6	00.0	00.0	14.3	17.9	14.3	7.1	3.6	3.6	3.6	3.6	17.9	00.0	100.
10	7.1	3.6	00.0	00.0	00.0	3.6	00.0	14.3	10.7	21.4	7.1	3.6	3.6	3.6	3.6	17.9	00.0	100.
11	10.7	3.6	00.0	00.0	00.0	3.6	7.1	7.1	10.7	17.9	14.3	3.6	3.6	00.0	3.6	14.3	00.0	100.
12	3.6	7.1	00.0	00.0	00.0	7.1	3.6	7.1	10.7	21.4	10.7	3.6	00.0	3.6	3.6	17.9	00.0	100.
13	00.0	3.6	00.0	00.0	00.0	3.6	7.1	3.6	17.9	21.4	7.1	7.1	00.0	3.6	7.1	17.9	00.0	100.
14	7.1	3.6	00.0	00.0	00.0	7.1	3.6	3.6	14.3	25.0	00.0	10.7	00.0	3.6	3.6	17.9	00.0	100.
15	3.7	00.0	3.7	00.0	00.0	7.4	3.7	00.0	29.6	11.1	3.7	3.7	7.4	3.7	7.4	14.8	00.0	100.
16	00.0	00.0	3.7	00.0	3.7	3.7	3.7	00.0	22.2	18.5	00.0	00.0	11.1	3.7	7.4	22.2	00.0	100.
17	00.0	00.0	3.6	3.6	00.0	00.0	7.1	00.0	21.4	14.3	3.6	3.6	3.6	14.3	3.6	21.4	00.0	100.
18	3.4	3.4	3.4	00.0	3.4	3.4	6.9	10.3	10.3	6.9	6.9	3.4	00.0	6.9	10.3	20.7	00.0	100.
19	3.4	3.4	00.0	3.4	6.9	6.9	3.4	13.8	00.0	17.2	3.4	00.0	6.9	3.4	3.4	24.1	00.0	100.
20	3.4	00.0	3.4	3.4	6.9	6.9	3.4	10.3	3.4	13.8	6.9	00.0	6.9	3.4	6.9	20.7	00.0	100.
21	6.9	00.0	3.4	3.4	3.4	3.4	10.3	13.8	6.9	13.8	3.4	00.0	3.4	3.4	6.9	17.2	00.0	100.
22	00.0	3.4	00.0	6.9	00.0	13.8	00.0	6.9	20.7	6.9	3.4	3.4	3.4	3.4	10.3	17.2	00.0	100.
23	3.4	00.0	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	00.0	100.
24	6.9	00.0	6.9	3.4	00.0	6.9	3.4	6.9	17.2	6.9	6.9	3.4	6.9	10.3	6.9	6.9	00.0	100.
ALL	5.5	2.0	1.6	1.2	1.5	5.1	5.0	9.2	14.0	11.2	6.6	3.5	4.5	5.3	7.2	16.6	00.0	100.

NUMBER OF OBS = 685

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	9.7	3.2	6.5	6.5	9.7	12.9	6.5	3.2	9.7	00.0	00.0	3.2	12.9	00.0	00.0	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	00.0	3.2	12.9	00.0	00.0	100.
3	16.1	6.5	3.2	3.2	3.2	9.7	6.5	6.5	12.9	12.9	00.0	3.2	00.0	3.2	9.7	3.2	00.0	100.
4	16.1	3.2	3.2	9.7	3.2	12.9	3.2	6.5	9.7	12.9	00.0	3.2	00.0	00.0	12.9	3.2	00.0	100.
5	19.4	3.2	6.5	3.2	6.5	9.7	3.2	9.7	12.9	6.5	3.2	3.2	00.0	3.2	9.7	00.0	00.0	100.
6	9.7	3.2	9.7	6.5	3.2	12.9	00.0	6.5	16.1	6.5	00.0	3.2	00.0	3.2	9.7	9.7	00.0	100.
7	12.9	9.7	00.0	3.2	16.1	00.0	6.5	6.5	16.1	3.2	3.2	3.2	00.0	6.5	6.5	6.5	00.0	100.
8	9.7	3.2	3.2	00.0	12.9	12.9	00.0	6.5	9.7	9.7	00.0	6.5	3.2	00.0	12.9	9.7	00.0	100.
9	16.1	3.2	3.2	3.2	9.7	9.7	3.2	3.2	12.9	6.5	6.5	3.2	3.2	00.0	3.2	12.9	00.0	100.
10	16.1	3.2	6.5	00.0	6.5	12.9	3.2	3.2	12.9	9.7	9.7	00.0	3.2	00.0	00.0	12.9	00.0	100.
11	12.9	3.2	6.5	00.0	6.5	9.7	9.7	00.0	9.7	16.1	00.0	3.2	00.0	3.2	3.2	16.1	00.0	100.
12	19.4	3.2	00.0	00.0	3.2	12.9	6.5	6.5	16.1	12.9	00.0	3.2	00.0	3.2	3.2	9.7	00.0	100.
13	29.0	00.0	3.2	3.2	6.5	6.5	6.5	3.2	12.9	12.9	3.2	3.2	3.2	3.2	00.0	3.2	00.0	100.
14	16.1	6.5	00.0	6.5	6.5	3.2	9.7	3.2	9.7	9.7	00.0	6.5	6.5	3.2	3.2	9.7	00.0	100.
15	22.6	00.0	00.0	3.2	9.7	6.5	6.5	3.2	9.7	3.2	6.5	6.5	00.0	6.5	3.2	12.9	00.0	100.
16	19.4	6.5	00.0	9.7	12.9	00.0	6.5	3.2	6.5	3.2	12.9	00.0	3.2	3.2	6.5	6.5	00.0	100.
17	12.9	12.9	3.2	9.7	6.5	00.0	6.5	6.5	6.5	6.5	6.5	3.2	00.0	3.2	6.5	9.7	00.0	100.
18	19.4	6.5	6.5	12.9	3.2	3.2	3.2	6.5	6.5	6.5	3.2	3.2	3.2	3.2	3.2	9.7	00.0	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	00.0	00.0	3.2	12.9	00.0	100.
20	12.9	16.1	3.2	6.5	9.7	3.2	3.2	12.9	6.5	00.0	3.2	00.0	6.5	00.0	12.9	3.2	00.0	100.
21	9.7	12.9	00.0	6.5	9.7	9.7	00.0	16.1	12.9	3.2	00.0	00.0	00.0	3.2	9.7	6.5	00.0	100.
22	16.1	3.2	12.9	3.2	00.0	16.1	12.9	6.5	9.7	6.5	00.0	00.0	00.0	3.2	9.7	00.0	00.0	100.
23	12.9	3.2	12.9	3.2	6.5	6.5	19.4	6.5	6.5	6.5	3.2	00.0	00.0	3.2	9.7	00.0	00.0	100.
24	19.4	00.0	9.7	3.2	3.2	6.5	16.1	12.9	3.2	3.2	6.5	00.0	3.2	6.5	6.5	00.0	00.0	100.
ALL	16.3	5.1	4.6	4.8	6.7	7.5	6.6	7.0	9.8	7.4	3.5	2.7	1.5	2.8	7.1	6.6	00.0	100.

NUMBER OF OBS = 744

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

PROGRAM: WINPER
VERSION: PC-1.0

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	4.4	6.6	7.7	8.8	11.0	5.5	8.8	2.2	5.5	3.3	12.1	6.6	00.0	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	8.8	8.8	00.0	100.
3	11.0	3.3	3.3	3.3	3.3	8.8	4.4	7.7	9.9	8.8	6.6	1.1	5.5	5.5	9.9	7.7	00.0	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	00.0	100.
5	13.2	1.1	3.3	3.3	2.2	8.8	3.3	12.1	11.0	5.5	5.5	4.4	2.2	5.5	12.1	6.6	00.0	100.
6	8.8	3.3	4.4	4.4	1.1	9.9	3.3	9.9	13.2	6.6	2.2	4.4	4.4	4.4	7.7	12.1	00.0	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	00.0	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	00.0	100.
9	10.0	3.3	2.2	1.1	5.6	7.8	3.3	7.8	14.4	7.8	7.8	2.2	3.3	2.2	7.8	13.3	00.0	100.
10	11.1	4.4	2.2	00.0	4.4	8.9	3.3	5.6	13.3	11.1	8.9	3.3	3.3	2.2	5.6	12.2	00.0	100.
11	8.9	3.3	2.2	00.0	3.3	8.9	7.8	3.3	11.1	14.4	5.6	4.4	2.2	2.2	7.8	14.4	00.0	100.
12	11.1	4.4	1.1	00.0	1.1	10.0	5.6	7.8	13.3	12.2	5.6	4.4	1.1	4.4	4.4	13.3	00.0	100.
13	13.3	2.2	2.2	1.1	2.2	5.6	6.7	3.3	13.3	15.6	4.4	5.6	3.3	6.7	3.3	11.1	00.0	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	5.6	15.6	00.0	100.
15	10.1	00.0	2.2	1.1	4.5	4.5	7.9	2.2	12.4	11.2	5.6	5.6	2.2	5.6	10.1	14.6	00.0	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	00.0	100.
17	4.4	6.7	3.3	4.4	3.3	2.2	5.6	4.4	8.9	12.2	5.6	5.6	2.2	6.7	7.8	16.7	00.0	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	00.0	100.
19	7.7	5.5	2.2	3.3	7.7	6.6	4.4	9.9	2.2	9.9	4.4	5.5	4.4	2.2	3.3	20.9	00.0	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	00.0	100.
21	6.6	5.5	2.2	3.3	6.6	6.6	5.5	12.1	9.9	8.8	2.2	1.1	2.2	5.5	8.8	13.2	00.0	100.
22	7.7	4.4	4.4	3.3	1.1	13.2	6.6	5.5	14.3	7.7	1.1	2.2	2.2	7.7	9.9	8.8	00.0	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	00.0	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	00.0	100.
ALL	9.1	3.6	3.1	2.7	4.0	6.9	5.8	7.5	10.6	9.4	5.4	3.5	3.6	4.4	8.7	11.8	00.0	100.

NUMBER OF OBS = 2173

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	3.3	00.0	10.0	13.3	10.0	6.7	3.3	10.0	00.0	3.3	10.0	16.7	3.3	00.0	100.
2	6.9	00.0	3.4	00.0	6.9	10.3	13.8	3.4	6.9	6.9	3.4	00.0	00.0	6.9	20.7	10.3	00.0	100.
3	3.3	3.3	00.0	6.7	6.7	6.7	6.7	10.0	6.7	6.7	3.3	3.3	3.3	3.3	20.0	10.0	00.0	100.
4	13.3	00.0	3.3	3.3	10.0	6.7	6.7	10.0	10.0	3.3	3.3	3.3	6.7	00.0	16.7	3.3	00.0	100.
5	6.7	3.3	00.0	3.3	6.7	3.3	6.7	6.7	20.0	3.3	3.3	3.3	6.7	00.0	20.0	6.7	00.0	100.
6	6.7	3.3	00.0	3.3	6.7	3.3	6.7	6.7	20.0	3.3	00.0	3.3	00.0	10.0	16.7	10.0	00.0	100.
7	6.7	00.0	3.3	3.3	6.7	3.3	3.3	6.7	23.3	3.3	00.0	3.3	00.0	10.0	16.7	10.0	00.0	100.
8	3.3	3.3	00.0	3.3	6.7	3.3	3.3	16.7	13.3	3.3	00.0	10.0	00.0	6.7	16.7	10.0	00.0	100.
9	6.7	00.0	3.3	3.3	6.7	00.0	10.0	6.7	13.3	00.0	3.3	10.0	6.7	3.3	16.7	10.0	00.0	100.
10	3.3	00.0	00.0	3.3	6.7	3.3	13.3	10.0	3.3	6.7	3.3	3.3	10.0	6.7	6.7	20.0	00.0	100.
11	10.0	00.0	3.3	00.0	3.3	10.0	6.7	10.0	10.0	3.3	00.0	3.3	10.0	6.7	10.0	13.3	00.0	100.
12	10.0	00.0	6.7	00.0	6.7	10.0	10.0	6.7	10.0	3.3	00.0	3.3	13.3	00.0	10.0	10.0	00.0	100.
13	6.7	00.0	00.0	3.3	10.0	3.3	10.0	10.0	10.0	3.3	00.0	6.7	13.3	3.3	10.0	10.0	00.0	100.
14	6.7	00.0	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	00.0	100.
15	6.7	00.0	3.3	3.3	00.0	3.3	13.3	6.7	10.0	6.7	10.0	6.7	6.7	3.3	6.7	13.3	00.0	100.
16	3.3	3.3	6.7	00.0	3.3	6.7	6.7	10.0	13.3	10.0	3.3	6.7	00.0	6.7	3.3	16.7	00.0	100.
17	3.3	3.3	3.3	00.0	00.0	10.0	10.0	13.3	16.7	00.0	6.7	10.0	00.0	3.3	00.0	20.0	00.0	100.
18	3.3	00.0	3.3	3.3	3.3	6.7	20.0	3.3	16.7	3.3	6.7	3.3	00.0	00.0	6.7	20.0	00.0	100.
19	6.7	00.0	3.3	3.3	6.7	3.3	13.3	6.7	23.3	3.3	3.3	3.3	00.0	00.0	3.3	20.0	00.0	100.
20	6.7	00.0	00.0	3.3	13.3	3.3	6.7	13.3	16.7	10.0	3.3	00.0	00.0	00.0	10.0	13.3	00.0	100.
21	3.3	00.0	3.3	3.3	13.3	3.3	6.7	10.0	16.7	10.0	6.7	00.0	00.0	00.0	13.3	10.0	00.0	100.
22	00.0	3.3	00.0	3.3	6.7	10.0	6.7	10.0	13.3	13.3	3.3	00.0	00.0	3.3	16.7	10.0	00.0	100.
23	00.0	10.0	00.0	00.0	3.3	10.0	3.3	10.0	20.0	6.7	3.3	3.3	3.3	00.0	13.3	13.3	00.0	100.
24	6.7	3.3	00.0	00.0	3.3	6.7	10.0	6.7	16.7	6.7	3.3	3.3	3.3	3.3	6.7	20.0	00.0	100.
ALL	5.7	1.7	2.1	2.5	5.8	6.0	8.9	8.9	13.6	5.1	3.6	4.0	3.9	4.0	11.8	12.2	00.0	100.

NUMBER OF OBS = 719

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	00.0	00.0	6.5	3.2	19.4	19.4	3.2	6.5	3.2	00.0	6.5	6.5	16.1	00.0	100.
2	9.7	9.7	00.0	00.0	3.2	3.2	6.5	9.7	25.8	3.2	9.7	00.0	00.0	6.5	9.7	3.2	00.0	100.
3	6.5	3.2	3.2	00.0	3.2	6.5	6.5	9.7	16.1	6.5	9.7	00.0	00.0	6.5	12.9	9.7	00.0	100.
4	9.7	12.9	00.0	00.0	00.0	6.5	6.5	16.1	12.9	3.2	9.7	3.2	00.0	00.0	9.7	9.7	00.0	100.
5	16.1	6.5	3.2	00.0	00.0	3.2	12.9	9.7	16.1	3.2	6.5	6.5	00.0	00.0	9.7	6.5	00.0	100.
6	9.7	6.5	6.5	00.0	3.2	00.0	12.9	9.7	16.1	3.2	12.9	00.0	00.0	6.5	3.2	9.7	00.0	100.
7	12.9	3.2	6.5	00.0	3.2	00.0	16.1	12.9	6.5	12.9	6.5	00.0	3.2	6.5	3.2	6.5	00.0	100.
8	6.5	6.5	00.0	3.2	3.2	00.0	19.4	6.5	3.2	19.4	6.5	3.2	00.0	3.2	6.5	12.9	00.0	100.
9	3.2	3.2	00.0	3.2	6.5	3.2	6.5	12.9	12.9	12.9	3.2	3.2	3.2	6.5	3.2	16.1	00.0	100.
10	6.5	6.5	00.0	00.0	3.2	6.5	6.5	16.1	12.9	12.9	3.2	3.2	00.0	6.5	9.7	6.5	00.0	100.
11	6.5	3.2	00.0	3.2	00.0	9.7	6.5	12.9	16.1	9.7	3.2	00.0	6.5	3.2	9.7	9.7	00.0	100.
12	6.5	3.2	00.0	3.2	00.0	00.0	12.9	16.1	19.4	6.5	3.2	00.0	3.2	9.7	6.5	9.7	00.0	100.
13	6.5	6.5	00.0	00.0	00.0	3.2	3.2	19.4	19.4	3.2	6.5	00.0	00.0	12.9	9.7	9.7	00.0	100.
14	6.5	9.7	00.0	00.0	00.0	3.2	3.2	16.1	22.6	6.5	3.2	00.0	3.2	3.2	12.9	9.7	00.0	100.
15	3.2	3.2	6.5	3.2	00.0	3.2	6.5	12.9	19.4	9.7	3.2	3.2	00.0	3.2	9.7	12.9	00.0	100.
16	00.0	00.0	3.2	3.2	3.2	3.2	3.2	16.1	22.6	6.5	00.0	3.2	3.2	6.5	6.5	19.4	00.0	100.
17	00.0	6.5	00.0	00.0	3.2	6.5	3.2	16.1	22.6	9.7	00.0	3.2	3.2	3.2	6.5	16.1	00.0	100.
18	3.2	00.0	00.0	00.0	3.2	3.2	9.7	16.1	22.6	6.5	3.2	00.0	3.2	3.2	9.7	16.1	00.0	100.
19	6.5	3.2	3.2	00.0	3.2	00.0	6.5	9.7	38.7	3.2	00.0	00.0	3.2	6.5	6.5	9.7	00.0	100.
20	6.5	00.0	00.0	00.0	6.5	3.2	6.5	12.9	32.3	3.2	00.0	3.2	00.0	3.2	12.9	9.7	00.0	100.
21	12.9	00.0	00.0	00.0	3.2	3.2	6.5	19.4	25.8	9.7	00.0	3.2	00.0	3.2	9.7	3.2	00.0	100.
22	6.5	9.7	00.0	00.0	00.0	6.5	3.2	25.8	19.4	9.7	00.0	00.0	3.2	3.2	3.2	9.7	00.0	100.
23	12.9	3.2	00.0	00.0	6.5	3.2	6.5	19.4	19.4	12.9	00.0	00.0	3.2	3.2	3.2	6.5	00.0	100.
24	10.0	3.3	00.0	00.0	00.0	10.0	3.3	16.7	20.0	10.0	6.7	00.0	00.0	6.7	3.3	10.0	00.0	100.
ALL	7.3	4.7	1.3	.8	2.3	3.9	7.4	14.7	19.2	7.8	4.3	1.6	1.6	5.0	7.7	10.4	00.0	100.

NUMBER OF OBS = 743

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	00.0	00.0	00.0	3.3	3.3	16.7	13.3	16.7	13.3	00.0	6.7	3.3	10.0	10.0	3.3	00.0	100.
2	3.3	00.0	3.3	3.3	00.0	3.3	16.7	6.7	16.7	13.3	3.3	6.7	6.7	3.3	3.3	10.0	00.0	100.
3	6.7	00.0	3.3	00.0	3.3	6.7	10.0	00.0	23.3	13.3	3.3	10.0	6.7	3.3	6.7	3.3	00.0	100.
4	3.3	00.0	00.0	00.0	6.7	3.3	13.3	3.3	20.0	16.7	3.3	6.7	6.7	10.0	3.3	3.3	00.0	100.
5	00.0	00.0	00.0	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	00.0	100.
6	3.3	00.0	00.0	00.0	00.0	13.3	3.3	16.7	10.0	23.3	00.0	10.0	00.0	3.3	6.7	10.0	00.0	100.
7	6.7	3.3	00.0	3.3	00.0	6.7	3.3	13.3	16.7	20.0	3.3	00.0	6.7	3.3	6.7	6.7	00.0	100.
8	3.3	3.3	3.3	00.0	00.0	3.3	3.3	3.3	23.3	20.0	3.3	6.7	3.3	13.3	00.0	10.0	00.0	100.
9	6.7	3.3	00.0	00.0	3.3	3.3	6.7	00.0	20.0	20.0	6.7	00.0	10.0	6.7	6.7	6.7	00.0	100.
10	6.7	00.0	3.3	6.7	00.0	3.3	00.0	13.3	23.3	10.0	6.7	3.3	6.7	6.7	6.7	3.3	00.0	100.
11	6.7	3.3	3.3	00.0	00.0	6.7	3.3	16.7	16.7	6.7	00.0	10.0	10.0	3.3	3.3	10.0	00.0	100.
12	6.7	00.0	00.0	3.3	3.3	6.7	00.0	20.0	16.7	10.0	6.7	3.3	3.3	6.7	6.7	6.7	00.0	100.
13	10.0	00.0	00.0	00.0	6.7	6.7	3.3	13.3	20.0	10.0	6.7	00.0	3.3	6.7	00.0	13.3	00.0	100.
14	6.7	3.3	00.0	00.0	3.3	6.7	6.7	16.7	13.3	16.7	00.0	3.3	3.3	6.7	00.0	13.3	00.0	100.
15	3.3	6.7	00.0	3.3	3.3	00.0	6.7	16.7	20.0	13.3	00.0	3.3	00.0	6.7	00.0	16.7	00.0	100.
16	10.0	3.3	00.0	00.0	00.0	3.3	6.7	13.3	20.0	16.7	00.0	00.0	3.3	3.3	6.7	13.3	00.0	100.
17	6.7	00.0	6.7	3.3	00.0	3.3	6.7	13.3	20.0	10.0	00.0	6.7	00.0	00.0	10.0	13.3	00.0	100.
18	16.7	6.7	3.3	00.0	00.0	3.3	00.0	16.7	23.3	6.7	00.0	6.7	00.0	00.0	10.0	6.7	00.0	100.
19	6.7	00.0	6.7	6.7	6.7	3.3	00.0	6.7	26.7	10.0	6.7	00.0	00.0	00.0	10.0	10.0	00.0	100.
20	6.7	3.3	00.0	00.0	10.0	00.0	6.7	13.3	26.7	3.3	6.7	00.0	3.3	3.3	10.0	6.7	00.0	100.
21	3.3	3.3	00.0	3.3	10.0	3.3	3.3	20.0	20.0	00.0	10.0	00.0	00.0	6.7	6.7	10.0	00.0	100.
22	00.0	6.7	3.3	3.3	00.0	6.7	6.7	20.0	20.0	6.7	00.0	6.7	00.0	10.0	00.0	10.0	00.0	100.
23	00.0	00.0	00.0	6.7	00.0	6.7	13.3	16.7	16.7	6.7	3.3	10.0	6.7	3.3	00.0	10.0	00.0	100.
24	00.0	3.3	00.0	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	00.0	100.
ALL	5.1	2.1	1.5	2.1	2.8	4.7	6.1	12.6	19.4	12.1	3.2	5.0	4.0	5.3	5.0	8.9	00.0	100.

NUMBER OF OBS = 720

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	1.1	1.1	6.6	11.0	14.3	14.3	6.6	5.5	3.3	2.2	8.8	11.0	7.7	00.0	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	00.0	100.
3	5.5	2.2	2.2	2.2	4.4	6.6	7.7	6.6	15.4	8.8	5.5	4.4	3.3	4.4	13.2	7.7	00.0	100.
4	8.8	4.4	1.1	1.1	5.5	5.5	8.8	9.9	14.3	7.7	5.5	4.4	4.4	3.3	9.9	5.5	00.0	100.
5	7.7	3.3	1.1	2.2	3.3	4.4	7.7	7.7	19.8	6.6	4.4	6.6	5.5	1.1	11.0	7.7	00.0	100.
6	6.6	3.3	2.2	1.1	3.3	5.5	7.7	11.0	15.4	9.9	4.4	4.4	00.0	6.6	8.8	9.9	00.0	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	00.0	100.
8	4.4	4.4	1.1	2.2	3.3	2.2	8.8	8.8	13.2	14.3	3.3	6.6	1.1	7.7	7.7	11.0	00.0	100.
9	5.5	2.2	1.1	2.2	5.5	2.2	7.7	6.6	15.4	11.0	4.4	4.4	6.6	5.5	8.8	11.0	00.0	100.
10	5.5	2.2	1.1	3.3	3.3	4.4	6.6	13.2	13.2	9.9	4.4	3.3	5.5	6.6	7.7	9.9	00.0	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	00.0	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	00.0	100.
13	7.7	2.2	00.0	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	00.0	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	00.0	100.
15	4.4	3.3	3.3	3.3	1.1	2.2	8.8	12.1	16.5	9.9	4.4	4.4	2.2	4.4	5.5	14.3	00.0	100.
16	4.4	2.2	3.3	1.1	2.2	4.4	5.5	13.2	18.7	11.0	1.1	3.3	2.2	5.5	5.5	16.5	00.0	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	00.0	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	8.8	14.3	00.0	100.
19	6.6	1.1	4.4	3.3	5.5	2.2	6.6	7.7	29.7	5.5	3.3	1.1	1.1	2.2	6.6	13.2	00.0	100.
20	6.6	1.1	00.0	1.1	9.9	2.2	6.6	13.2	25.3	5.5	3.3	1.1	1.1	2.2	11.0	9.9	00.0	100.
21	6.6	1.1	1.1	2.2	8.8	3.3	5.5	16.5	20.9	6.6	5.5	1.1	00.0	3.3	9.9	7.7	00.0	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	00.0	100.
23	4.4	4.4	00.0	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	00.0	100.
24	5.6	3.3	00.0	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	00.0	100.
ALL	6.0	2.8	1.6	1.8	3.6	4.9	7.5	12.1	17.5	8.3	3.7	3.5	3.2	4.8	8.2	10.5	00.0	100.

NUMBER OF OBS = 2182

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

PROGRAM: WINPER
VERSION: PC-1.0

HOURLY WIND ROSES (PERCENT)

JAN-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	6.0	2.7	2.7	1.1	2.7	6.6	9.3	11.5	12.6	6.0	7.1	2.7	3.8	6.0	11.5	7.1	00.0	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	9.9	8.3	00.0	100.
3	8.2	2.7	2.7	2.7	3.8	7.7	6.0	7.1	12.6	8.8	6.0	2.7	4.4	4.9	11.5	7.7	00.0	100.
4	9.3	3.3	1.6	3.3	3.3	8.2	6.0	10.4	12.1	8.2	4.4	3.3	4.4	3.8	12.1	6.0	00.0	100.
5	10.4	2.2	2.2	2.7	2.7	6.6	5.5	9.9	15.4	6.0	4.9	5.5	3.8	3.3	11.5	7.1	00.0	100.
6	7.7	3.3	3.3	2.7	2.2	7.7	5.5	10.4	14.3	8.2	3.3	4.4	2.2	5.5	8.2	11.0	00.0	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	00.0	100.
8	6.6	2.7	1.6	1.6	4.9	5.5	6.0	10.4	12.1	9.9	5.5	5.5	1.6	5.5	10.4	9.9	00.0	100.
9	7.7	2.8	1.7	1.7	5.5	5.0	5.5	7.2	14.9	9.4	6.1	3.3	5.0	3.9	8.3	12.2	00.0	100.
10	8.3	3.3	1.7	1.7	3.9	6.6	5.0	9.4	13.3	10.5	6.6	3.3	4.4	4.4	6.6	11.0	00.0	100.
11	8.3	2.8	2.2	.6	2.2	8.8	6.6	8.3	12.7	10.5	3.3	4.4	5.5	3.3	7.7	12.7	00.0	100.
12	9.4	2.8	1.7	1.1	2.2	7.7	6.6	11.0	14.4	9.4	4.4	3.3	3.9	5.0	6.1	11.0	00.0	100.
13	10.5	2.2	1.1	1.1	3.9	5.0	6.1	8.8	14.9	10.5	4.4	3.9	4.4	7.2	5.0	11.0	00.0	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	6.1	13.3	00.0	100.
15	7.2	1.7	2.8	2.2	2.8	3.3	8.3	7.2	14.4	10.6	5.0	5.0	2.2	5.0	7.8	14.4	00.0	100.
16	6.7	3.3	2.2	2.8	4.4	3.3	6.1	7.8	13.9	12.2	3.9	2.2	4.4	4.4	7.8	14.4	00.0	100.
17	3.9	5.0	3.3	2.8	2.2	4.4	6.1	9.4	14.4	9.4	3.9	6.1	1.7	4.4	6.6	16.6	00.0	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	7.7	16.5	00.0	100.
19	7.1	3.3	3.3	3.3	6.6	4.4	5.5	8.8	15.9	7.7	3.8	3.3	2.7	2.2	4.9	17.0	00.0	100.
20	7.7	3.3	1.6	2.7	8.8	3.3	5.5	11.5	15.4	6.6	4.9	1.1	4.4	1.6	9.9	11.5	00.0	100.
21	6.6	3.3	1.6	2.7	7.7	4.9	5.5	14.3	15.4	7.7	3.8	1.1	1.1	4.4	9.3	10.4	00.0	100.
22	4.9	5.5	2.7	2.7	1.6	10.4	6.0	12.1	15.9	8.8	1.1	2.2	1.6	6.6	8.2	9.3	00.0	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	00.0	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	00.0	100.
ALL	7.6	3.2	2.4	2.2	3.8	5.9	6.6	9.8	14.0	8.9	4.5	3.5	3.4	4.6	8.4	11.2	00.0	100.

NUMBER OF OBS = 4355

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

PROGRAM: WINPER
VERSION: PC-1.0

HOURLY WIND ROSES (PERCENT)

JULY

WIND DIRECTION

HR. OF DAY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
1	9.7	6.5	3.2	6.5	6.5	3.2	9.7	6.5	29.0	6.5	6.5	3.2	00.0	00.0	00.0	3.2	00.0	100.
2	9.7	6.5	9.7	3.2	00.0	6.5	12.9	00.0	25.8	16.1	00.0	3.2	00.0	3.2	00.0	00.0	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	00.0	00.0	6.5	00.0	00.0	00.0	100.
4	19.4	3.2	9.7	3.2	6.5	6.5	6.5	3.2	19.4	12.9	00.0	00.0	00.0	3.2	00.0	6.5	00.0	100.
5	12.9	6.5	3.2	3.2	00.0	19.4	9.7	3.2	19.4	12.9	00.0	00.0	00.0	00.0	00.0	9.7	00.0	100.
6	6.5	6.5	6.5	00.0	00.0	12.9	6.5	16.1	12.9	9.7	3.2	3.2	00.0	00.0	3.2	12.9	00.0	100.
7	6.5	9.7	6.5	00.0	6.5	9.7	6.5	6.5	22.6	6.5	00.0	3.2	3.2	3.2	00.0	9.7	00.0	100.
8	6.5	9.7	3.2	00.0	6.5	9.7	6.5	16.1	9.7	12.9	3.2	00.0	3.2	00.0	3.2	9.7	00.0	100.
9	3.2	6.5	6.5	3.2	6.5	6.5	00.0	9.7	22.6	16.1	3.2	00.0	00.0	3.2	00.0	12.9	00.0	100.
10	12.9	6.5	3.2	3.2	3.2	9.7	6.5	00.0	22.6	12.9	3.2	6.5	00.0	3.2	00.0	6.5	00.0	100.
11	9.7	9.7	3.2	6.5	3.2	6.5	9.7	00.0	19.4	16.1	00.0	3.2	00.0	00.0	3.2	9.7	00.0	100.
12	9.7	3.2	6.5	9.7	3.2	6.5	6.5	6.5	25.8	9.7	00.0	3.2	00.0	00.0	00.0	9.7	00.0	100.
13	9.7	6.5	3.2	9.7	3.2	6.5	6.5	9.7	19.4	12.9	3.2	00.0	00.0	00.0	3.2	6.5	00.0	100.
14	12.9	6.5	6.5	3.2	3.2	6.5	3.2	16.1	12.9	12.9	6.5	00.0	00.0	00.0	00.0	9.7	00.0	100.
15	16.1	6.5	3.2	3.2	3.2	6.5	9.7	9.7	16.1	9.7	00.0	6.5	00.0	00.0	3.2	6.5	00.0	100.
16	16.1	9.7	6.5	3.2	3.2	6.5	3.2	22.6	12.9	6.5	3.2	00.0	3.2	00.0	00.0	3.2	00.0	100.
17	12.9	9.7	9.7	3.2	6.5	3.2	9.7	22.6	9.7	3.2	3.2	00.0	00.0	00.0	00.0	6.5	00.0	100.
18	9.7	16.1	9.7	3.2	00.0	6.5	22.6	12.9	6.5	6.5	00.0	00.0	00.0	3.2	00.0	3.2	00.0	100.
19	3.2	12.9	16.1	3.2	3.2	9.7	22.6	12.9	00.0	3.2	3.2	00.0	3.2	00.0	00.0	6.5	00.0	100.
20	9.7	9.7	12.9	3.2	3.2	12.9	19.4	16.1	3.2	3.2	00.0	3.2	00.0	00.0	00.0	3.2	00.0	100.
21	9.7	6.5	9.7	6.5	3.2	12.9	19.4	19.4	3.2	3.2	3.2	00.0	00.0	00.0	00.0	3.2	00.0	100.
22	12.9	3.2	12.9	3.2	3.2	12.9	12.9	19.4	9.7	3.2	3.2	00.0	00.0	00.0	00.0	3.2	00.0	100.
23	9.7	3.2	9.7	3.2	00.0	16.1	16.1	16.1	19.4	3.2	3.2	00.0	00.0	00.0	00.0	00.0	00.0	100.
24	3.2	16.1	3.2	00.0	3.2	9.7	12.9	12.9	22.6	9.7	6.5	00.0	00.0	00.0	00.0	00.0	00.0	100.
ALL	10.3	7.9	7.0	3.6	3.5	9.0	10.2	11.0	15.9	9.3	2.4	1.5	.5	1.1	.7	5.9	.1	100.

NUMBER OF OBS = 744

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

PROGRAM: WINPER
VERSION: PC-1.0

HOURLY WIND ROSES (PERCENT)

AUGUST

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	3.2	00.0	6.5	16.1	19.4	12.9	12.9	6.5	12.9	00.0	3.2	3.2	00.0	00.0	00.0	00.0	100.
2	3.2	3.2	00.0	3.2	3.2	22.6	25.8	6.5	9.7	9.7	00.0	9.7	00.0	00.0	00.0	3.2	00.0	100.
3	6.5	3.2	3.2	00.0	6.5	16.1	25.8	6.5	6.5	12.9	9.7	3.2	00.0	00.0	00.0	00.0	00.0	100.
4	9.7	3.2	3.2	3.2	3.2	22.6	16.1	9.7	3.2	3.2	9.7	6.5	6.5	00.0	00.0	00.0	00.0	100.
5	6.5	00.0	6.5	00.0	3.2	22.6	9.7	16.1	9.7	00.0	16.1	3.2	00.0	3.2	3.2	00.0	00.0	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	00.0	3.2	00.0	00.0	00.0	100.
7	6.5	3.2	00.0	6.5	3.2	12.9	12.9	12.9	12.9	6.5	3.2	9.7	3.2	6.5	00.0	00.0	00.0	100.
8	9.7	00.0	9.7	00.0	00.0	16.1	12.9	12.9	12.9	3.2	6.5	6.5	00.0	00.0	3.2	6.5	00.0	100.
9	3.2	3.2	6.5	3.2	3.2	12.9	12.9	12.9	12.9	9.7	00.0	6.5	00.0	3.2	00.0	9.7	00.0	100.
10	3.2	9.7	00.0	9.7	00.0	9.7	19.4	9.7	12.9	9.7	6.5	00.0	00.0	3.2	00.0	6.5	00.0	100.
11	6.5	00.0	6.5	3.2	6.5	9.7	16.1	12.9	16.1	6.5	6.5	00.0	00.0	00.0	00.0	9.7	00.0	100.
12	6.7	3.3	00.0	3.3	6.7	26.7	10.0	10.0	6.7	6.7	6.7	00.0	00.0	3.3	3.3	6.7	00.0	100.
13	10.0	13.3	00.0	00.0	10.0	16.7	16.7	3.3	6.7	6.7	10.0	00.0	00.0	00.0	3.3	3.3	00.0	100.
14	10.0	6.7	6.7	3.3	10.0	16.7	10.0	13.3	00.0	10.0	10.0	00.0	00.0	00.0	00.0	3.3	00.0	100.
15	10.0	3.3	13.3	3.3	3.3	26.7	6.7	10.0	3.3	10.0	6.7	00.0	00.0	00.0	00.0	3.3	00.0	100.
16	3.2	6.5	9.7	6.5	6.5	22.6	9.7	9.7	6.5	12.9	3.2	00.0	00.0	00.0	00.0	3.2	00.0	100.
17	12.9	00.0	9.7	3.2	9.7	19.4	19.4	9.7	00.0	3.2	9.7	00.0	00.0	00.0	00.0	3.2	00.0	100.
18	3.2	3.2	3.2	16.1	6.5	19.4	9.7	6.5	9.7	9.7	3.2	00.0	00.0	00.0	00.0	9.7	00.0	100.
19	9.7	00.0	3.2	9.7	9.7	25.8	9.7	3.2	9.7	6.5	6.5	00.0	00.0	00.0	3.2	3.2	00.0	100.
20	00.0	9.7	3.2	9.7	12.9	22.6	6.5	9.7	6.5	6.5	6.5	00.0	00.0	00.0	00.0	6.5	00.0	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	00.0	00.0	00.0	3.2	00.0	100.
22	3.2	00.0	6.5	16.1	16.1	16.1	6.5	9.7	9.7	3.2	3.2	00.0	3.2	00.0	3.2	3.2	00.0	100.
23	6.5	00.0	3.2	12.9	9.7	29.0	6.5	9.7	6.5	3.2	6.5	3.2	00.0	00.0	00.0	3.2	00.0	100.
24	3.2	6.5	00.0	9.7	12.9	16.1	12.9	12.9	6.5	6.5	00.0	6.5	00.0	00.0	00.0	6.5	00.0	100.
ALL	6.1	3.6	4.3	5.9	7.6	19.1	12.7	10.0	8.2	7.2	6.2	2.7	.7	.9	.8	3.9	00.0	100.

NUMBER OF OBS = 740

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

PROGRAM: WINPER
VERSION: PC-1.0

HOURLY WIND ROSES (PERCENT)

SEPTEMBER

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	00.0	13.0	4.3	4.3	13.0	21.7	8.7	4.3	00.0	00.0	00.0	8.7	8.7	00.0	100.
2	8.7	4.3	00.0	00.0	13.0	8.7	4.3	13.0	21.7	8.7	00.0	4.3	00.0	00.0	8.7	4.3	00.0	100.
3	8.7	00.0	00.0	00.0	8.7	13.0	4.3	8.7	17.4	8.7	8.7	4.3	00.0	00.0	4.3	13.0	00.0	100.
4	13.0	00.0	00.0	00.0	4.3	13.0	4.3	4.3	13.0	13.0	8.7	4.3	4.3	4.3	4.3	8.7	00.0	100.
5	13.0	00.0	00.0	00.0	8.7	8.7	8.7	8.7	8.7	13.0	4.3	8.7	4.3	00.0	4.3	8.7	00.0	100.
6	8.7	4.3	00.0	00.0	8.7	4.3	13.0	13.0	17.4	00.0	4.3	13.0	00.0	4.3	4.3	4.3	00.0	100.
7	8.7	4.3	00.0	00.0	00.0	13.0	13.0	13.0	17.4	4.3	8.7	8.7	00.0	00.0	4.3	4.3	00.0	100.
8	8.7	00.0	00.0	4.3	4.3	8.7	4.3	8.7	30.4	4.3	8.7	8.7	00.0	00.0	4.3	4.3	00.0	100.
9	8.7	00.0	00.0	00.0	4.3	8.7	8.7	8.7	13.0	21.7	4.3	4.3	8.7	00.0	00.0	8.7	00.0	100.
10	4.3	00.0	4.3	4.3	00.0	8.7	8.7	8.7	13.0	13.0	4.3	8.7	00.0	4.3	8.7	8.7	00.0	100.
11	8.7	00.0	4.3	4.3	00.0	4.3	8.7	13.0	13.0	8.7	8.7	00.0	00.0	4.3	13.0	8.7	00.0	100.
12	13.0	4.3	00.0	4.3	4.3	4.3	13.0	8.7	13.0	8.7	00.0	8.7	00.0	00.0	4.3	13.0	00.0	100.
13	13.0	00.0	00.0	00.0	4.3	8.7	13.0	8.7	13.0	4.3	4.3	4.3	00.0	4.3	4.3	17.4	00.0	100.
14	12.5	4.2	00.0	00.0	4.2	4.2	8.3	12.5	16.7	4.2	4.2	4.2	00.0	12.5	00.0	12.5	00.0	100.
15	8.7	4.3	4.3	00.0	4.3	4.3	8.7	13.0	26.1	00.0	4.3	00.0	00.0	4.3	4.3	13.0	00.0	100.
16	8.7	4.3	00.0	4.3	4.3	8.7	13.0	8.7	17.4	4.3	4.3	00.0	00.0	00.0	4.3	17.4	00.0	100.
17	4.3	00.0	00.0	4.3	8.7	4.3	13.0	4.3	26.1	4.3	00.0	00.0	00.0	00.0	4.3	26.1	00.0	100.
18	17.4	4.3	00.0	4.3	8.7	4.3	13.0	4.3	26.1	4.3	00.0	00.0	00.0	00.0	4.3	8.7	00.0	100.
19	8.7	4.3	00.0	00.0	8.7	8.7	13.0	21.7	8.7	4.3	00.0	00.0	00.0	00.0	4.3	17.4	00.0	100.
20	4.3	00.0	4.3	00.0	8.7	13.0	4.3	17.4	17.4	4.3	00.0	4.3	00.0	00.0	00.0	21.7	00.0	100.
21	13.0	00.0	00.0	4.3	8.7	13.0	4.3	21.7	17.4	00.0	4.3	00.0	00.0	00.0	4.3	8.7	00.0	100.
22	8.7	4.3	00.0	4.3	13.0	4.3	13.0	13.0	21.7	4.3	00.0	00.0	00.0	00.0	00.0	13.0	00.0	100.
23	4.3	00.0	4.3	4.3	13.0	4.3	8.7	13.0	30.4	00.0	4.3	00.0	00.0	00.0	00.0	13.0	00.0	100.
24	4.3	00.0	00.0	13.0	4.3	8.7	4.3	17.4	13.0	13.0	4.3	00.0	00.0	00.0	8.7	8.7	00.0	100.
ALL	9.0	2.0	1.1	2.4	6.7	7.8	8.9	11.6	18.1	6.7	4.0	3.6	.7	1.6	4.5	11.4	00.0	100.

NUMBER OF OBS = 553

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

PROGRAM: WINPER
VERSION: PC-1.0

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	9.4	10.6	18.8	9.4	3.5	2.4	1.2	00.0	2.4	3.5	00.0	100.
2	7.1	4.7	3.5	2.4	4.7	12.9	15.3	5.9	18.8	11.8	00.0	5.9	00.0	1.2	2.4	2.4	1.2	100.
3	10.6	4.7	2.4	1.2	7.1	12.9	12.9	7.1	12.9	11.8	7.1	2.4	00.0	2.4	1.2	3.5	00.0	100.
4	14.1	2.4	4.7	2.4	4.7	14.1	9.4	5.9	11.8	9.4	5.9	3.5	3.5	2.4	1.2	4.7	00.0	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	00.0	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	00.0	2.4	2.4	5.9	00.0	100.
7	7.1	5.9	2.4	2.4	3.5	11.8	10.6	10.6	17.6	5.9	3.5	7.1	2.4	3.5	1.2	4.7	00.0	100.
8	8.2	3.5	4.7	1.2	3.5	11.8	8.2	12.9	16.5	7.1	5.9	4.7	1.2	00.0	3.5	7.1	00.0	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	00.0	10.6	00.0	100.
10	7.1	5.9	2.4	5.9	1.2	9.4	11.8	5.9	16.5	11.8	4.7	4.7	00.0	3.5	2.4	7.1	00.0	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	00.0	1.2	4.7	9.4	00.0	100.
12	9.5	3.6	2.4	6.0	4.8	13.1	9.5	8.3	15.5	8.3	2.4	3.6	00.0	1.2	2.4	9.5	00.0	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	00.0	1.2	3.6	8.3	00.0	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	00.0	3.5	00.0	8.2	00.0	100.
15	11.9	4.8	7.1	2.4	3.6	13.1	8.3	10.7	14.3	7.1	3.6	2.4	00.0	1.2	2.4	7.1	00.0	100.
16	9.4	7.1	5.9	4.7	4.7	12.9	8.2	14.1	11.8	8.2	3.5	00.0	1.2	00.0	1.2	7.1	00.0	100.
17	10.6	3.5	7.1	3.5	8.2	9.4	14.1	12.9	10.6	3.5	4.7	00.0	00.0	00.0	1.2	10.6	00.0	100.
18	9.4	8.2	4.7	8.2	4.7	10.6	15.3	8.2	12.9	7.1	1.2	00.0	00.0	1.2	1.2	7.1	00.0	100.
19	7.1	5.9	7.1	4.7	7.1	15.3	15.3	11.8	5.9	4.7	3.5	00.0	1.2	00.0	2.4	8.2	00.0	100.
20	4.7	7.1	7.1	4.7	8.2	16.5	10.6	14.1	8.2	4.7	2.4	2.4	00.0	00.0	00.0	9.4	00.0	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	00.0	00.0	1.2	4.7	00.0	100.
22	8.2	2.4	7.1	8.2	10.6	11.8	10.6	14.1	12.9	3.5	2.4	00.0	1.2	00.0	1.2	5.9	00.0	100.
23	7.1	1.2	5.9	7.1	7.1	17.6	10.6	12.9	17.6	2.4	4.7	1.2	00.0	00.0	00.0	4.7	00.0	100.
24	3.5	8.2	1.2	7.1	7.1	11.8	10.6	14.1	14.1	9.4	3.5	2.4	00.0	00.0	2.4	4.7	00.0	100.
ALL	8.4	4.8	4.4	4.1	5.8	12.3	10.8	10.8	13.7	7.8	4.2	2.5	.6	1.2	1.8	6.7	.0	100.

NUMBER OF OBS = 2037

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	3.4	3.4	3.4	00.0	10.3	27.6	20.7	10.3	3.4	00.0	00.0	00.0	10.3	00.0	100.
2	3.6	00.0	3.6	00.0	3.6	3.6	3.6	7.1	17.9	32.1	7.1	3.6	3.6	00.0	00.0	10.7	00.0	100.
3	3.4	00.0	00.0	3.4	3.4	6.9	3.4	6.9	20.7	27.6	6.9	3.4	00.0	00.0	00.0	13.8	00.0	100.
4	6.9	3.4	00.0	00.0	3.4	6.9	3.4	10.3	20.7	24.1	6.9	00.0	00.0	3.4	3.4	6.9	00.0	100.
5	00.0	3.4	3.4	00.0	3.4	10.3	3.4	10.3	17.2	17.2	13.8	00.0	00.0	3.4	3.4	10.3	00.0	100.
6	00.0	3.4	3.4	00.0	00.0	10.3	6.9	17.2	10.3	17.2	13.8	00.0	00.0	3.4	3.4	10.3	00.0	100.
7	6.9	00.0	3.4	00.0	3.4	13.8	3.4	13.8	17.2	20.7	3.4	3.4	00.0	6.9	00.0	3.4	00.0	100.
8	3.4	3.4	3.4	3.4	3.4	6.9	6.9	6.9	27.6	17.2	3.4	00.0	3.4	00.0	3.4	6.9	00.0	100.
9	10.3	3.4	00.0	00.0	3.4	6.9	6.9	3.4	20.7	24.1	3.4	6.9	00.0	00.0	00.0	10.3	00.0	100.
10	10.3	3.4	00.0	00.0	00.0	10.3	6.9	3.4	17.2	24.1	10.3	3.4	00.0	00.0	00.0	10.3	00.0	100.
11	3.4	00.0	6.9	00.0	00.0	6.9	13.8	00.0	20.7	17.2	10.3	3.4	3.4	00.0	00.0	13.8	00.0	100.
12	3.4	00.0	6.9	3.4	00.0	6.9	10.3	3.4	27.6	10.3	6.9	00.0	00.0	00.0	3.4	17.2	00.0	100.
13	3.4	00.0	3.4	00.0	3.4	6.9	6.9	10.3	24.1	20.7	3.4	00.0	00.0	00.0	3.4	13.8	00.0	100.
14	3.4	00.0	10.3	00.0	00.0	3.4	6.9	20.7	17.2	13.8	6.9	00.0	00.0	00.0	3.4	13.8	00.0	100.
15	00.0	7.1	00.0	3.6	00.0	3.6	7.1	14.3	28.6	14.3	3.6	00.0	00.0	00.0	00.0	17.9	00.0	100.
16	3.6	3.6	3.6	00.0	00.0	3.6	10.7	17.9	14.3	21.4	3.6	00.0	00.0	3.6	00.0	14.3	00.0	100.
17	00.0	00.0	6.9	3.4	00.0	6.9	6.9	17.2	17.2	17.2	3.4	00.0	00.0	3.4	00.0	17.2	00.0	100.
18	6.9	3.4	3.4	3.4	00.0	6.9	10.3	27.6	6.9	17.2	00.0	3.4	00.0	3.4	00.0	6.9	00.0	100.
19	6.9	00.0	3.4	3.4	3.4	6.9	10.3	31.0	17.2	3.4	00.0	00.0	3.4	00.0	00.0	10.3	00.0	100.
20	13.8	00.0	00.0	3.4	6.9	3.4	10.3	24.1	13.8	13.8	3.4	00.0	3.4	00.0	00.0	3.4	00.0	100.
21	3.4	3.4	3.4	3.4	00.0	10.3	6.9	31.0	10.3	13.8	00.0	3.4	00.0	00.0	3.4	6.9	00.0	100.
22	00.0	00.0	3.4	6.9	00.0	3.4	10.3	31.0	17.2	6.9	3.4	00.0	3.4	00.0	3.4	10.3	00.0	100.
23	3.4	00.0	00.0	13.8	00.0	3.4	3.4	34.5	13.8	10.3	6.9	00.0	00.0	00.0	3.4	6.9	00.0	100.
24	3.4	00.0	3.4	6.9	3.4	3.4	3.4	13.8	27.6	20.7	3.4	00.0	00.0	00.0	00.0	10.3	00.0	100.
ALL	4.3	1.7	3.0	2.6	1.9	6.5	6.8	15.3	18.9	17.7	5.6	1.4	.9	1.2	1.4	10.7	00.0	100.

NUMBER OF OBS = 693

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

PROGRAM: WINPER
VERSION: PC-1.0

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	6.7	00.0	00.0	00.0	3.3	6.7	6.7	3.3	6.7	00.0	6.7	10.0	23.3	13.3	6.7	00.0	100.
2	10.0	00.0	00.0	00.0	3.3	3.3	6.7	6.7	6.7	6.7	3.3	3.3	16.7	13.3	13.3	6.7	00.0	100.
3	6.7	00.0	00.0	00.0	3.3	3.3	00.0	13.3	10.0	3.3	3.3	3.3	16.7	10.0	16.7	10.0	00.0	100.
4	3.3	00.0	00.0	3.3	00.0	00.0	3.3	6.7	10.0	6.7	6.7	3.3	13.3	20.0	10.0	13.3	00.0	100.
5	00.0	00.0	00.0	00.0	3.3	00.0	6.7	3.3	13.3	3.3	00.0	00.0	16.7	26.7	6.7	20.0	00.0	100.
6	3.3	00.0	00.0	00.0	00.0	3.3	6.7	16.7	3.3	00.0	00.0	00.0	20.0	23.3	6.7	16.7	00.0	100.
7	3.3	00.0	00.0	00.0	00.0	3.3	3.3	16.7	6.7	00.0	00.0	3.3	20.0	16.7	10.0	16.7	00.0	100.
8	6.7	00.0	00.0	00.0	00.0	3.3	6.7	10.0	10.0	00.0	00.0	3.3	13.3	23.3	6.7	16.7	00.0	100.
9	6.7	00.0	00.0	00.0	00.0	6.7	3.3	3.3	16.7	00.0	00.0	3.3	16.7	16.7	10.0	16.7	00.0	100.
10	00.0	3.3	00.0	00.0	3.3	00.0	6.7	6.7	13.3	00.0	00.0	3.3	16.7	13.3	16.7	16.7	00.0	100.
11	3.3	3.3	00.0	3.3	00.0	6.7	3.3	3.3	13.3	3.3	00.0	3.3	16.7	10.0	20.0	10.0	00.0	100.
12	6.7	00.0	00.0	00.0	00.0	3.3	6.7	6.7	10.0	3.3	3.3	3.3	23.3	6.7	16.7	10.0	00.0	100.
13	00.0	3.3	00.0	3.3	00.0	3.3	3.3	6.7	10.0	00.0	00.0	10.0	20.0	10.0	20.0	10.0	00.0	100.
14	00.0	3.3	3.3	6.7	00.0	00.0	6.7	6.7	3.3	3.3	3.3	3.3	20.0	13.3	20.0	6.7	00.0	100.
15	00.0	6.7	3.3	00.0	3.3	6.7	3.3	6.7	3.3	3.3	3.3	6.7	10.0	10.0	26.7	6.7	00.0	100.
16	10.0	3.3	3.3	00.0	3.3	00.0	3.3	6.7	6.7	3.3	3.3	10.0	10.0	10.0	13.3	13.3	00.0	100.
17	16.7	00.0	00.0	3.3	3.3	00.0	3.3	6.7	6.7	6.7	00.0	6.7	13.3	6.7	16.7	10.0	00.0	100.
18	00.0	10.0	00.0	00.0	00.0	00.0	6.7	6.7	13.3	3.3	3.3	3.3	10.0	10.0	13.3	20.0	00.0	100.
19	10.0	3.3	3.3	00.0	00.0	00.0	10.0	6.7	3.3	10.0	3.3	3.3	10.0	10.0	13.3	13.3	00.0	100.
20	3.3	3.3	00.0	3.3	00.0	3.3	3.3	13.3	00.0	00.0	6.7	10.0	6.7	20.0	6.7	20.0	00.0	100.
21	6.7	00.0	00.0	00.0	3.3	3.3	3.3	6.7	6.7	3.3	3.3	6.7	13.3	13.3	16.7	13.3	00.0	100.
22	13.3	00.0	00.0	00.0	00.0	6.7	3.3	6.7	3.3	3.3	3.3	6.7	10.0	20.0	16.7	6.7	00.0	100.
23	6.7	6.7	00.0	00.0	00.0	6.7	3.3	6.7	3.3	3.3	3.3	10.0	13.3	13.3	16.7	6.7	00.0	100.
24	10.0	00.0	3.3	00.0	00.0	6.7	3.3	6.7	6.7	00.0	3.3	6.7	20.0	16.7	10.0	6.7	00.0	100.
ALL	5.6	2.2	.7	1.0	1.1	3.1	4.7	7.8	7.6	3.1	2.2	5.0	14.9	14.9	14.0	12.2	00.0	100.

NUMBER OF OBS = 720

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

PROGRAM: WINPER
VERSION: PC-1.0

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	00.0	00.0	3.2	3.2	3.2	12.9	9.7	6.5	9.7	6.5	00.0	00.0	3.2	25.8	9.7	00.0	100.
2	6.5	00.0	3.2	3.2	00.0	6.5	6.5	16.1	00.0	6.5	6.5	00.0	6.5	3.2	19.4	16.1	00.0	100.
3	3.2	00.0	3.2	3.2	00.0	00.0	6.5	19.4	3.2	00.0	9.7	00.0	00.0	9.7	19.4	22.6	00.0	100.
4	3.2	3.2	00.0	3.2	00.0	00.0	9.7	9.7	6.5	3.2	9.7	00.0	00.0	6.5	19.4	25.8	00.0	100.
5	6.5	3.2	00.0	3.2	00.0	3.2	6.5	3.2	6.5	3.2	3.2	12.9	00.0	6.5	16.1	25.8	00.0	100.
6	16.1	3.2	00.0	00.0	3.2	3.2	6.5	3.2	6.5	00.0	3.2	6.5	6.5	9.7	25.8	6.5	00.0	100.
7	16.1	3.2	00.0	00.0	3.2	3.2	6.5	3.2	6.5	00.0	00.0	9.7	9.7	6.5	22.6	9.7	00.0	100.
8	6.5	3.2	3.2	00.0	9.7	00.0	6.5	6.5	6.5	00.0	3.2	9.7	3.2	6.5	16.1	19.4	00.0	100.
9	6.5	3.2	00.0	00.0	6.5	3.2	6.5	6.5	6.5	3.2	3.2	6.5	6.5	9.7	16.1	16.1	00.0	100.
10	9.7	00.0	3.2	00.0	3.2	3.2	6.5	6.5	9.7	00.0	3.2	3.2	3.2	9.7	19.4	19.4	00.0	100.
11	16.1	6.5	3.2	00.0	3.2	3.2	6.5	6.5	9.7	00.0	00.0	6.5	3.2	6.5	19.4	9.7	00.0	100.
12	16.1	00.0	00.0	3.2	6.5	00.0	12.9	3.2	9.7	00.0	00.0	3.2	6.5	6.5	22.6	9.7	00.0	100.
13	12.9	00.0	6.5	00.0	6.5	00.0	6.5	00.0	16.1	6.5	00.0	00.0	9.7	3.2	22.6	9.7	00.0	100.
14	12.9	3.2	3.2	3.2	00.0	3.2	6.5	3.2	16.1	00.0	3.2	00.0	6.5	9.7	22.6	6.5	00.0	100.
15	9.7	00.0	6.5	3.2	00.0	6.5	6.5	3.2	12.9	00.0	3.2	00.0	6.5	3.2	25.8	12.9	00.0	100.
16	9.7	3.2	6.5	3.2	00.0	3.2	9.7	9.7	6.5	00.0	3.2	00.0	3.2	3.2	29.0	9.7	00.0	100.
17	9.7	3.2	6.5	3.2	00.0	3.2	9.7	9.7	9.7	00.0	00.0	00.0	3.2	6.5	29.0	6.5	00.0	100.
18	6.5	6.5	3.2	3.2	3.2	3.2	6.5	12.9	6.5	00.0	00.0	3.2	00.0	3.2	32.3	9.7	00.0	100.
19	9.7	3.2	00.0	9.7	00.0	3.2	9.7	12.9	6.5	00.0	00.0	3.2	00.0	3.2	25.8	12.9	00.0	100.
20	6.5	00.0	6.5	6.5	00.0	3.2	6.5	12.9	6.5	00.0	00.0	3.2	00.0	3.2	22.6	22.6	00.0	100.
21	9.7	00.0	9.7	3.2	3.2	3.2	6.5	9.7	6.5	3.2	3.2	00.0	00.0	3.2	19.4	19.4	00.0	100.
22	6.5	3.2	3.2	3.2	3.2	6.5	9.7	6.5	12.9	00.0	3.2	00.0	00.0	3.2	19.4	19.4	00.0	100.
23	3.2	3.2	00.0	9.7	00.0	6.5	9.7	9.7	3.2	6.5	3.2	00.0	00.0	9.7	19.4	16.1	00.0	100.
24	6.5	00.0	00.0	00.0	9.7	3.2	9.7	9.7	6.5	6.5	6.5	00.0	00.0	00.0	22.6	19.4	00.0	100.
ALL	9.0	2.2	2.8	2.8	2.7	3.1	7.9	8.1	7.8	2.0	3.1	2.8	3.1	5.6	22.2	14.8	00.0	100.

NUMBER OF OBS = 744

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

PROGRAM: WINPER
VERSION: PC-1.0

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	3.3	00.0	2.2	2.2	3.3	6.7	8.9	12.2	12.2	5.6	3.3	3.3	8.9	13.3	8.9	00.0	100.
2	6.7	00.0	2.2	1.1	2.2	4.5	5.6	10.1	7.9	14.6	5.6	2.2	9.0	5.6	11.2	11.2	00.0	100.
3	4.4	00.0	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	00.0	100.
4	4.4	2.2	00.0	2.2	1.1	2.2	5.6	8.9	12.2	11.1	7.8	1.1	4.4	10.0	11.1	15.6	00.0	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	8.9	18.9	00.0	100.
6	6.7	2.2	1.1	00.0	1.1	5.6	6.7	12.2	6.7	5.6	5.6	2.2	8.9	12.2	12.2	11.1	00.0	100.
7	8.9	1.1	1.1	00.0	2.2	6.7	4.4	11.1	10.0	6.7	1.1	5.6	10.0	10.0	11.1	10.0	00.0	100.
8	5.6	2.2	2.2	1.1	4.4	3.3	6.7	7.8	14.4	5.6	2.2	4.4	6.7	10.0	8.9	14.4	00.0	100.
9	7.8	2.2	00.0	00.0	3.3	5.6	5.6	4.4	14.4	8.9	2.2	5.6	7.8	8.9	8.9	14.4	00.0	100.
10	6.7	2.2	1.1	00.0	2.2	4.4	6.7	5.6	13.3	7.8	4.4	3.3	6.7	7.8	12.2	15.6	00.0	100.
11	7.8	3.3	3.3	1.1	1.1	5.6	7.8	3.3	14.4	6.7	3.3	4.4	7.8	5.6	13.3	11.1	00.0	100.
12	8.9	00.0	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	00.0	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	00.0	100.
14	5.6	2.2	5.6	3.3	00.0	2.2	6.7	10.0	12.2	5.6	4.4	1.1	8.9	7.8	15.6	8.9	00.0	100.
15	3.4	4.5	3.4	2.2	1.1	5.6	5.6	7.9	14.6	5.6	3.4	2.2	5.6	4.5	18.0	12.4	00.0	100.
16	7.9	3.4	4.5	1.1	1.1	2.2	7.9	11.2	9.0	7.9	3.4	3.4	4.5	5.6	14.6	12.4	00.0	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	00.0	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	3.3	5.6	15.6	12.2	00.0	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	00.0	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	00.0	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	00.0	100.
22	6.7	1.1	2.2	3.3	1.1	5.6	7.8	14.4	11.1	3.3	3.3	2.2	4.4	7.8	13.3	12.2	00.0	100.
23	4.4	3.3	00.0	7.8	00.0	5.6	5.6	16.7	6.7	6.7	4.4	3.3	4.4	7.8	13.3	10.0	00.0	100.
24	6.7	00.0	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	00.0	100.
ALL	6.4	2.0	2.2	2.1	1.9	4.2	6.5	10.3	11.3	7.4	3.6	3.1	6.3	7.3	12.8	12.6	00.0	100.

NUMBER OF OBS = 2157

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

PROGRAM: WINPER
VERSION: PC-1.0

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	5.7	4.0	1.1	3.4	6.9	6.3	8.0	9.7	15.4	10.9	4.6	2.9	2.3	4.6	8.0	6.3	00.0	100.
2	6.9	2.3	2.9	1.7	3.4	8.6	10.3	8.0	13.2	13.2	2.9	4.0	4.6	3.4	6.9	6.9	.6	100.
3	7.4	2.3	1.7	1.7	4.6	8.0	8.0	10.3	12.0	10.9	6.9	2.3	2.9	4.6	6.9	9.7	00.0	100.
4	9.1	2.3	2.3	2.3	2.9	8.0	7.4	7.4	12.0	10.3	6.9	2.3	4.0	6.3	6.3	10.3	00.0	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	5.7	12.6	00.0	100.
6	6.9	3.4	2.3	.6	2.9	8.6	8.0	12.6	10.3	5.7	6.9	4.0	4.6	7.4	7.4	8.6	00.0	100.
7	8.0	3.4	1.7	1.1	2.9	9.1	7.4	10.9	13.7	6.3	2.3	6.3	6.3	6.9	6.3	7.4	00.0	100.
8	6.9	2.9	3.4	1.1	4.0	7.4	7.4	10.3	15.4	6.3	4.0	4.6	4.0	5.1	6.3	10.9	00.0	100.
9	6.3	2.9	2.3	1.1	4.0	7.4	6.3	7.4	15.4	12.0	2.3	4.6	5.1	5.7	4.6	12.6	00.0	100.
10	6.9	4.0	1.7	2.9	1.7	6.9	9.1	5.7	14.9	9.7	4.6	4.0	3.4	5.7	7.4	11.4	00.0	100.
11	8.0	3.4	4.0	2.9	2.3	6.3	9.7	5.7	15.4	8.6	4.0	2.9	4.0	3.4	9.1	10.3	00.0	100.
12	9.2	1.7	2.3	4.0	3.4	8.0	9.8	6.3	15.5	6.3	2.9	2.9	5.2	2.9	8.6	10.9	00.0	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	00.0	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	00.0	100.
15	7.5	4.6	5.2	2.3	2.3	9.2	6.9	9.2	14.5	6.4	3.5	2.3	2.9	2.9	10.4	9.8	00.0	100.
16	8.6	5.2	5.2	2.9	2.9	7.5	8.0	12.6	10.3	8.0	3.4	1.7	2.9	2.9	8.0	9.8	00.0	100.
17	9.7	2.3	5.7	3.4	4.6	6.3	10.3	12.0	10.9	5.7	2.9	1.1	2.9	2.9	8.6	10.9	00.0	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	1.7	3.4	8.6	9.7	00.0	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	00.0	100.
20	6.3	4.0	4.6	4.6	5.1	9.7	8.6	15.4	7.4	4.6	2.9	3.4	1.7	4.0	5.1	12.6	00.0	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	00.0	100.
22	7.4	1.7	4.6	5.7	5.7	8.6	9.1	14.3	12.0	3.4	2.9	1.1	2.9	4.0	7.4	9.1	00.0	100.
23	5.7	2.3	2.9	7.4	3.4	11.4	8.0	14.9	12.0	4.6	4.6	2.3	2.3	4.0	6.9	7.4	00.0	100.
24	5.1	4.0	1.7	4.6	5.7	8.0	8.0	12.0	13.7	9.1	4.0	2.3	3.4	2.9	6.9	8.6	00.0	100.
ALL	7.4	3.4	3.3	3.1	3.8	8.1	8.6	10.5	12.5	7.6	3.9	2.8	3.6	4.3	7.4	9.7	.0	100.

NUMBER OF OBS = 4194

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

PROGRAM: WINPER
VERSION: PC-1.0

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	5.9	3.4	2.0	2.2	4.8	6.4	8.7	10.6	14.0	8.4	5.9	2.8	3.1	5.3	9.8	6.7	00.0	100.
2	7.3	3.4	2.8	2.0	3.1	7.3	9.6	7.9	13.0	11.8	3.9	2.8	3.9	4.8	8.5	7.6	.3	100.
3	7.8	2.5	2.2	2.2	4.2	7.8	7.0	8.7	12.3	9.8	6.4	2.5	3.6	4.8	9.2	8.7	00.0	100.
4	9.2	2.8	2.0	2.8	3.1	8.1	6.7	9.0	12.0	9.2	5.6	2.8	4.2	5.0	9.2	8.1	00.0	100.
5	8.4	2.2	2.2	2.0	2.8	8.7	6.4	8.7	14.0	7.0	5.6	4.8	3.6	5.0	8.7	9.8	00.0	100.
6	7.3	3.4	2.8	1.7	2.5	8.1	6.7	11.5	12.3	7.0	5.0	4.2	3.4	6.4	7.8	9.8	00.0	100.
7	8.4	3.1	2.0	2.0	4.2	6.4	7.0	10.6	14.3	6.7	3.6	4.8	4.2	6.2	8.1	8.4	00.0	100.
8	6.7	2.8	2.5	1.4	4.5	6.4	6.7	10.4	13.7	8.1	4.8	5.0	2.8	5.3	8.4	10.4	00.0	100.
9	7.0	2.8	2.0	1.4	4.8	6.2	5.9	7.3	15.2	10.7	4.2	3.9	5.1	4.8	6.5	12.4	00.0	100.
10	7.6	3.7	1.7	2.2	2.8	6.7	7.0	7.6	14.0	10.1	5.6	3.7	3.9	5.1	7.0	11.2	00.0	100.
11	8.1	3.1	3.1	1.7	2.2	7.6	8.1	7.0	14.0	9.6	3.7	3.7	4.8	3.4	8.4	11.5	00.0	100.
12	9.3	2.3	2.0	2.5	2.8	7.9	8.2	8.7	14.9	7.9	3.7	3.1	4.5	3.9	7.3	11.0	00.0	100.
13	9.3	3.1	1.7	1.7	4.2	5.9	7.3	7.6	14.9	9.6	3.9	3.1	4.8	5.1	7.3	10.4	00.0	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	7.0	11.0	00.0	100.
15	7.4	3.1	4.0	2.3	2.5	6.2	7.6	8.2	14.4	8.5	4.2	3.7	2.5	4.0	9.1	12.2	00.0	100.
16	7.6	4.2	3.7	2.8	3.7	5.4	7.1	10.2	12.1	10.2	3.7	2.0	3.7	3.7	7.9	12.1	00.0	100.
17	6.7	3.7	4.5	3.1	3.4	5.3	8.1	10.7	12.6	7.6	3.4	3.7	2.2	3.7	7.6	13.8	00.0	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	2.2	2.8	8.1	13.2	00.0	100.
19	7.6	3.6	3.9	3.9	5.3	6.7	9.0	11.5	11.8	6.2	3.1	2.2	2.8	2.2	6.4	13.7	00.0	100.
20	7.0	3.6	3.1	3.6	7.0	6.4	7.0	13.4	11.5	5.6	3.9	2.2	3.1	2.8	7.6	12.0	00.0	100.
21	7.0	2.8	3.4	3.6	6.7	7.6	6.7	15.1	12.0	6.4	3.4	1.7	1.7	3.6	8.4	9.8	00.0	100.
22	6.2	3.6	3.6	4.2	3.6	9.5	7.6	13.2	14.0	6.2	2.0	1.7	2.2	5.3	7.8	9.2	00.0	100.
23	5.3	3.4	3.1	4.8	3.6	9.0	8.7	12.6	13.7	6.4	3.6	2.8	3.4	3.4	7.3	9.0	00.0	100.
24	6.5	3.4	2.5	3.1	3.9	7.3	7.9	12.1	13.8	8.1	4.8	2.8	3.4	4.5	7.0	9.0	00.0	100.
ALL	7.5	3.3	2.8	2.7	3.8	7.0	7.6	10.2	13.3	8.2	4.2	3.2	3.5	4.5	7.9	10.5	.0	100.

NUMBER OF OBS = 8549

Precipitation

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	2	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	3	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	4	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	5	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	6	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	7	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	8	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	9	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	11	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	12	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	13	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	14	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	15	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	16	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	1	17	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	1	19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	1	20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	1	21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	1	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	1	23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	1	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	1	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	1	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	1	27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	1	28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	1	29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	1	30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	1	31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 31 HOUR 24 - .00 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 31 HOUR 19 - .00 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 31 HOUR 13 - .00 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 31 HOUR 7 - .00 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 31 HOUR 1 - .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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

MONTH OF JANUARY

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	0	0	0	0	0
.02	0	0	0	0	0
.03	0	0	0	0	0
.04	0	0	0	0	0
.05	0	0	0	0	0
.07	0	0	0	0	0
.10	0	0	0	0	0
.15	0	0	0	0	0
.20	0	0	0	0	0
.25	0	0	0	0	0
.30	0	0	0	0	0
.35	0	0	0	0	0
.40	0	0	0	0	0
.45	0	0	0	0	0
.50	0	0	0	0	0
.60	0	0	0	0	0
.70	0	0	0	0	0
.80	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 JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	2	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	3	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	4	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	5	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	6	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	7	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	8	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	9	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	11	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	12	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	13	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	14	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	15	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	16	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	2	17	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	2	19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	2	20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	2	21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
0	2	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.10
0	2	23	.00	.00	.10	.00	.00	.00	.00	.00	.10	.00	.10	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30
0	2	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	2	25	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
0	2	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	2	27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	2	28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
0	2	29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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 - .70 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .10 INCHES
MAXIMUM DAILY PRECIPITATION - .30 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 28 HOUR 14 - .10 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 23 HOUR 9 - .20 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 23 HOUR 3 - .30 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 22 HOUR 21 - .40 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 22 HOUR 21 - .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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

MONTH OF FEBRUARY

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	7	38	62	86	110
.02	7	38	62	86	110
.03	7	38	62	86	110
.04	7	38	62	86	110
.05	7	38	62	86	110
.07	7	38	62	86	110
.10	7	38	62	86	110
.15	0	4	18	24	30
.20	0	4	18	24	30
.25	0	0	4	12	18
.30	0	0	4	12	18
.35	0	0	0	4	10
.40	0	0	0	4	10
.45	0	0	0	0	0
.50	0	0	0	0	0
.60	0	0	0	0	0
.70	0	0	0	0	0
.80	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 JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	8	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.20	.10	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40
0	3	9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.90	.00	.00	.00	.00	.00	.00	.00	.00	.90
0	3	13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.10	.00	.00	.00	.13	.00	.00	.00	.00	.00	.00	.00	.23
0	3	19	.00	.00	.00	.00	.10	.10	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20
0	3	20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	23	.00	.00	.00	.20	.00	.20	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40
0	3	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	3	31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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 - .90 INCHES
MAXIMUM DAILY PRECIPITATION - .90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 12 HOUR 16 - .90 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 12 HOUR 16 - .90 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 12 HOUR 16 - .90 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 12 HOUR 16 - .90 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 12 HOUR 16 - .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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

MONTH OF MARCH

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	10	44	77	101	125
.02	10	44	77	101	125
.03	10	44	77	101	125
.04	10	44	77	101	125
.05	10	44	77	101	125
.07	10	44	77	101	125
.10	10	44	77	101	125
.15	4	27	57	86	110
.20	4	27	57	86	110
.25	1	15	34	58	82
.30	1	15	34	58	82
.35	1	10	24	43	67
.40	1	10	24	43	67
.45	1	6	12	18	24
.50	1	6	12	18	24
.60	1	6	12	18	24
.70	1	6	12	18	24
.80	1	6	12	18	24
.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

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 2000 RAIN VERSION PC-1.0

JAN-MAR INDEX

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 - .90 INCHES
MAXIMUM DAILY PRECIPITATION - .90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - .90 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - .90 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - .90 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - .90 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - .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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-MAR 2000 RAIN VERSION PC-1.0

JAN-MAR INDEX

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	17	82	139	187	235
.02	17	82	139	187	235
.03	17	82	139	187	235
.04	17	82	139	187	235
.05	17	82	139	187	235
.07	17	82	139	187	235
.10	17	82	139	187	235
.15	4	31	75	110	140
.20	4	31	75	110	140
.25	1	15	38	70	100
.30	1	15	38	70	100
.35	1	10	24	47	77
.40	1	10	24	47	77
.45	1	6	12	18	24
.50	1	6	12	18	24
.60	1	6	12	18	24
.70	1	6	12	18	24
.80	1	6	12	18	24
.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 JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	4	2	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	4	3	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	4	4	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	4	5	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	4	6	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	4	7	.00 .00	.00 .00	.00 .00	.00 .10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.10
0	4	8	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	4	9	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	4	10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.10 .00	.00 .00	.00 .00	.10
0	4	11	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	4	12	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	4	13	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	4	14	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	4	15	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	4	16	.00 .10	.00 .00	.00 .00	.00 .00	.00 .10	.00 .00	.00 .12	.00 .00	.00 .00	.10 .00	.10 .00	.00 .00	.52
0	4	17	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	4	19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	4	20	.00	.00	.00	.00	.00	.10	.00	.10	.00	.10	.00	.00	
			.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.40
0	4	21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	4	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
0	4	23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	4	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	4	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	4	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	4	27	.00	.00	.00	.00	.00	.00	.00	.00	.26	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26
0	4	28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	4	29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	4	30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.18	.00	.00	.00	.00	.00	.00	.00	.18

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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 - .26 INCHES
MAXIMUM DAILY PRECIPITATION - .52 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 27 HOUR 9 - .26 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 20 HOUR 6 - .30 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 16 HOUR 10 - .52 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 16 HOUR 10 - .52 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 16 HOUR 10 - .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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

MONTH OF APRIL

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	14	61	99	135	171
.02	14	61	99	135	171
.03	14	61	99	135	171
.04	14	61	99	135	171
.05	14	61	99	135	171
.07	14	61	99	135	171
.10	14	61	99	135	171
.15	2	30	52	70	88
.20	1	24	44	62	80
.25	1	11	34	52	70
.30	0	5	22	34	46
.35	0	0	8	20	32
.40	0	0	8	20	32
.45	0	0	3	9	15
.50	0	0	3	9	15
.60	0	0	0	0	0
.70	0	0	0	0	0
.80	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 JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	2	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	3	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	4	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	5	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	6	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	7	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	8	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	9	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	10	.00 .10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.10
0	5	11	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	12	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	13	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	14	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	15	.00 .00	.00 .10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.10
0	5	16	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	17	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	19	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	20	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	21	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	22	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	23	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	24	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	25	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	26	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	27	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	28	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	29	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	30	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	5	31	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 9.99	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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 - .20 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .10 INCHES
MAXIMUM DAILY PRECIPITATION - .10 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 15 HOUR 14 - .10 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 15 HOUR 14 - .10 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 15 HOUR 14 - .10 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 15 HOUR 14 - .10 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 15 HOUR 14 - .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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

MONTH OF MAY

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	2	12	24	36	48
.02	2	12	24	36	48
.03	2	12	24	36	48
.04	2	12	24	36	48
.05	2	12	24	36	48
.07	2	12	24	36	48
.10	2	12	24	36	48
.15	0	0	0	0	0
.20	0	0	0	0	0
.25	0	0	0	0	0
.30	0	0	0	0	0
.35	0	0	0	0	0
.40	0	0	0	0	0
.45	0	0	0	0	0
.50	0	0	0	0	0
.60	0	0	0	0	0
.70	0	0	0	0	0
.80	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 JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	2	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	3	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	4	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	5	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	6	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	7	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.10 .00	.00 .00	.00 .00	.00 .00	.10
0	6	8	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	9	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	11	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	12	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	13	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	14	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	15	.00 .00	.00 .10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.10
0	6	16	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	6	17	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	6	19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	6	20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	6	21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	6	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	6	23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.10
0	6	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	6	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.10
0	6	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	6	27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	6	28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	6	29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	6	30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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 - .40 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .10 INCHES
MAXIMUM DAILY PRECIPITATION - .10 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 25 HOUR 20 - .10 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 25 HOUR 20 - .10 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 25 HOUR 20 - .10 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 25 HOUR 20 - .10 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 25 HOUR 20 - .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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

MONTH OF JUNE

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	4	24	48	72	96
.02	4	24	48	72	96
.03	4	24	48	72	96
.04	4	24	48	72	96
.05	4	24	48	72	96
.07	4	24	48	72	96
.10	4	24	48	72	96
.15	0	0	0	0	0
.20	0	0	0	0	0
.25	0	0	0	0	0
.30	0	0	0	0	0
.35	0	0	0	0	0
.40	0	0	0	0	0
.45	0	0	0	0	0
.50	0	0	0	0	0
.60	0	0	0	0	0
.70	0	0	0	0	0
.80	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 PC-1.0

APR-JUN INDEX

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 - .26 INCHES
MAXIMUM DAILY PRECIPITATION - .52 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 4 DAY 27 HOUR 9 - .26 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 4 DAY 20 HOUR 6 - .30 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 4 DAY 16 HOUR 10 - .52 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 4 DAY 16 HOUR 10 - .52 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 4 DAY 16 HOUR 10 - .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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR APR-JUN 2000 RAIN VERSION PC-1.0

APR-JUN INDEX

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	20	97	175	253	331
.02	20	97	175	253	331
.03	20	97	175	253	331
.04	20	97	175	253	331
.05	20	97	175	253	331
.07	20	97	175	253	331
.10	20	97	175	253	331
.15	2	30	56	80	104
.20	1	24	44	62	80
.25	1	11	34	52	70
.30	0	5	22	34	46
.35	0	0	8	20	32
.40	0	0	8	20	32
.45	0	0	3	9	15
.50	0	0	3	9	15
.60	0	0	0	0	0
.70	0	0	0	0	0
.80	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 PC-1.0

JAN-JUN INDEX

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 - .90 INCHES
MAXIMUM DAILY PRECIPITATION - .90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - .90 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - .90 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - .90 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - .90 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - .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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-JUN 2000 RAIN VERSION PC-1.0

JAN-JUN INDEX

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	37	179	314	440	566
.02	37	179	314	440	566
.03	37	179	314	440	566
.04	37	179	314	440	566
.05	37	179	314	440	566
.07	37	179	314	440	566
.10	37	179	314	440	566
.15	6	61	131	190	244
.20	5	55	119	172	220
.25	2	26	72	122	170
.30	1	20	60	104	146
.35	1	10	32	67	109
.40	1	10	32	67	109
.45	1	6	15	27	39
.50	1	6	15	27	39
.60	1	6	12	18	24
.70	1	6	12	18	24
.80	1	6	12	18	24
.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 JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	2	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	3	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	4	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	5	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	6	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	7	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	8	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	9	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	11	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	12	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	13	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	14	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	15	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	16	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	7	17	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	7	19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	7	20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	7	21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	7	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	7	23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	7	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	7	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	7	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	7	27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	7	28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	7	29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	7	30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	7	31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 31 HOUR 24 - .00 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 31 HOUR 19 - .00 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 31 HOUR 13 - .00 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 31 HOUR 7 - .00 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 31 HOUR 1 - .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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

MONTH OF JULY

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	0	0	0	0	0
.02	0	0	0	0	0
.03	0	0	0	0	0
.04	0	0	0	0	0
.05	0	0	0	0	0
.07	0	0	0	0	0
.10	0	0	0	0	0
.15	0	0	0	0	0
.20	0	0	0	0	0
.25	0	0	0	0	0
.30	0	0	0	0	0
.35	0	0	0	0	0
.40	0	0	0	0	0
.45	0	0	0	0	0
.50	0	0	0	0	0
.60	0	0	0	0	0
.70	0	0	0	0	0
.80	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 JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	2	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	3	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	4	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	5	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	6	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	7	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	8	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	9	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	11	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	12	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	13	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	14	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	15	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	16	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	8	17	.00 .00	.00 .10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.10

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	8	19	.00	.00	.00	.00	.00	.10	.10	.20	.20	.20	.30	.50	
			.20	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	1.90
0	8	20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	8	21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	8	22	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	
			.00	.00	.00	.80	.00	.00	.00	.00	.00	.00	.00	.00	.90
0	8	23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	8	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	8	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.20	.60
0	8	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	8	27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	8	28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	8	29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	8	30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	8	31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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 - .80 INCHES
MAXIMUM DAILY PRECIPITATION - 1.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 22 HOUR 16 - .80 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 19 HOUR 8 - 1.60 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 19 HOUR 6 - 1.80 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 19 HOUR 6 - 1.90 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION 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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

MONTH OF AUGUST

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	14	44	74	98	122
.02	14	44	74	98	122
.03	14	44	74	98	122
.04	14	44	74	98	122
.05	14	44	74	98	122
.07	14	44	74	98	122
.10	14	44	74	98	122
.15	9	25	43	61	79
.20	9	25	43	61	79
.25	4	22	41	59	77
.30	4	22	41	59	77
.35	3	22	40	58	76
.40	3	22	40	58	76
.45	2	20	38	56	74
.50	2	20	38	56	74
.60	1	20	38	56	74
.70	1	14	26	38	50
.80	1	13	26	38	50
.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

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	2	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	3	.00 .00	.00 .00	.10 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.10
0	9	4	.00 .00	.00 .00	.00 .00	.10 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.10
0	9	5	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	6	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	7	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	8	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	9	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	11	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	12	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	13	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	14	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	15	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	16	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	9	17	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	9	19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
0	9	20	.10	.10	.10	.20	.10	.00	.10	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.70
0	9	21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	9	22	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
0	9	23	.00	.00	.00	.20	.10	.00	.00	.00	.00	.00	.00	.10	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40
0	9	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.10	.00	.00	.00	.10	.00	.00	.00	.00	.20
0	9	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	9	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	9	27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	9	28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	9	29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	9	30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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 - .20 INCHES
MAXIMUM DAILY PRECIPITATION - .70 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 23 HOUR 4 - .20 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 20 HOUR 2 - .60 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 20 HOUR 1 - .70 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 19 HOUR 15 - .80 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 19 HOUR 15 - .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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

MONTH OF SEPTEMBER

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	15	59	100	136	172
.02	15	59	100	136	172
.03	15	59	100	136	172
.04	15	59	100	136	172
.05	15	59	100	136	172
.07	15	59	100	136	172
.10	15	59	100	136	172
.15	2	17	37	55	73
.20	2	17	37	55	73
.25	0	12	25	37	49
.30	0	12	25	37	49
.35	0	6	16	29	41
.40	0	6	16	29	41
.45	0	5	11	17	23
.50	0	5	11	17	23
.60	0	3	9	16	22
.70	0	0	6	14	20
.80	0	0	0	2	8
.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 JUL-SEP 2000 RAIN VERSION PC-1.0

JUL-SEP INDEX

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 - .80 INCHES
MAXIMUM DAILY PRECIPITATION - 1.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 8 DAY 22 HOUR 16 - .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 - 0
NUMBER OF MISSING HOURS - 0
TOTAL HOURS OF PRECIPITATION - 0
TOTAL DAYS WITH PRECIPITATION - 0
TOTAL AMOUNT OF PRECIPITATION - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-SEP 2000 RAIN VERSION PC-1.0

JUL-SEP INDEX

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	29	103	174	234	294
.02	29	103	174	234	294
.03	29	103	174	234	294
.04	29	103	174	234	294
.05	29	103	174	234	294
.07	29	103	174	234	294
.10	29	103	174	234	294
.15	11	42	80	116	152
.20	11	42	80	116	152
.25	4	34	66	96	126
.30	4	34	66	96	126
.35	3	28	56	87	117
.40	3	28	56	87	117
.45	2	25	49	73	97
.50	2	25	49	73	97
.60	1	23	47	72	96
.70	1	14	32	52	70
.80	1	13	26	40	58
.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

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	5	.00	.10	.00	.00	.10	.10	.20	.10	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60
0	10	6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.20	.00	.00	.00	.00	.00	.00	.00	.00	.20
0	10	10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.40	.10	.00	.00	.00	.50
0	10	14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.10
0	10	15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	22	.00	.00	.00	.00	.00	.00	.10	.00	.00	.10	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20
0	10	23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	24	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
0	10	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	28	.00	9.99	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	29	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
0	10	30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	10	31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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 - .40 INCHES
MAXIMUM DAILY PRECIPITATION - .60 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 13 HOUR 20 - .40 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 13 HOUR 20 - .50 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 5 HOUR 2 - .60 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 5 HOUR 2 - .60 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 5 HOUR 2 - .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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

MONTH OF OCTOBER

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	13	52	94	136	178
.02	13	52	94	136	178
.03	13	52	94	136	178
.04	13	52	94	136	178
.05	13	52	94	136	178
.07	13	52	94	136	178
.10	13	52	94	136	178
.15	3	23	47	71	95
.20	3	23	47	71	95
.25	1	13	25	37	49
.30	1	13	25	37	49
.35	1	11	23	35	47
.40	1	11	23	35	47
.45	0	9	21	33	45
.50	0	9	21	33	45
.60	0	0	6	12	18
.70	0	0	0	0	0
.80	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 JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00 .00	.00 .00	.00 .00	.20 .00	.00 .00	.00 .00	.00 .00	.00 .00	.10 .00	.00 .00	.00 .00	.00 .00	.30
0	11	2	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	3	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	4	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	5	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	6	.00 .00	.00 .00	.00 .00	.00 .00	.30 .00	.00 .00	.00 .00	.10 .10	.10 .00	.10 .00	.20 .00	.00 .00	.90
0	11	7	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	8	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	9	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	11	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	12	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	13	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	14	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	15	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	16	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	11	17	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	11	19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	11	20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	11	21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	11	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	11	23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	11	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	11	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	11	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	11	27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	11	28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	11	29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	11	30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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 - .30 INCHES
MAXIMUM DAILY PRECIPITATION - .90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 6 HOUR 5 - .30 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 6 HOUR 5 - .60 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 6 HOUR 5 - .80 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 6 HOUR 5 - .90 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 6 HOUR 5 - .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 - .00 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .00 INCHES
MAXIMUM DAILY PRECIPITATION - .00 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

MONTH OF NOVEMBER

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	8	27	36	42	48
.02	8	27	36	42	48
.03	8	27	36	42	48
.04	8	27	36	42	48
.05	8	27	36	42	48
.07	8	27	36	42	48
.10	8	27	36	42	48
.15	3	16	22	28	34
.20	3	16	22	28	34
.25	1	12	22	28	34
.30	1	12	22	28	34
.35	0	7	14	20	26
.40	0	7	14	20	26
.45	0	5	12	18	24
.50	0	5	12	18	24
.60	0	1	7	16	22
.70	0	0	6	12	18
.80	0	0	6	12	18
.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 JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	2	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	3	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	4	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	5	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	6	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	7	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	8	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	9	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	11	.00 .00	.00 .00	.10 .00	.10 .00	.00 .00	.00 .00	.00 .00	.10 .00	.00 .00	.00 .00	.00 .00	.00 .00	.30
0	12	12	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	13	.00 .00	.00 .10	.00 .10	.00 .00	.00 .00	.00 .00	.00 .00	.00 .10	.00 .00	.00 .00	.00 .00	.00 .00	.30
0	12	14	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	15	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	16	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00
0	12	17	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	12	19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	12	20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	12	21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	12	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	12	23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	12	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	12	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	12	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	12	27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	12	28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	12	29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	12	30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0	12	31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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 - .60 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .10 INCHES
MAXIMUM DAILY PRECIPITATION - .30 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 13 HOUR 20 - .10 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 11 HOUR 3 - .30 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 13 HOUR 14 - .30 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 13 HOUR 14 - .30 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS DAY 13 HOUR 14 - .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 - .60 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .10 INCHES
MAXIMUM DAILY PRECIPITATION - .30 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

MONTH OF DECEMBER

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	6	23	35	47	59
.02	6	23	35	47	59
.03	6	23	35	47	59
.04	6	23	35	47	59
.05	6	23	35	47	59
.07	6	23	35	47	59
.10	6	23	35	47	59
.15	0	12	24	36	48
.20	0	12	24	36	48
.25	0	1	13	25	37
.30	0	1	13	25	37
.35	0	0	0	0	0
.40	0	0	0	0	0
.45	0	0	0	0	0
.50	0	0	0	0	0
.60	0	0	0	0	0
.70	0	0	0	0	0
.80	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 PC-1.0

OCT-DEC INDEX

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 - .40 INCHES
MAXIMUM DAILY PRECIPITATION - .90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 10 DAY 13 HOUR 20 - .40 INCHES
6 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 11 DAY 6 HOUR 5 - .60 INCHES
12 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 11 DAY 6 HOUR 5 - .80 INCHES
18 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 11 DAY 6 HOUR 5 - .90 INCHES
24 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 11 DAY 6 HOUR 5 - .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 - .60 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .10 INCHES
MAXIMUM DAILY PRECIPITATION - .30 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR OCT-DEC 2000 RAIN VERSION PC-1.0

OCT-DEC INDEX

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	27	104	173	239	305
.02	27	104	173	239	305
.03	27	104	173	239	305
.04	27	104	173	239	305
.05	27	104	173	239	305
.07	27	104	173	239	305
.10	27	104	173	239	305
.15	6	53	101	149	197
.20	6	53	101	149	197
.25	2	26	63	99	135
.30	2	26	63	99	135
.35	1	18	37	55	73
.40	1	18	37	55	73
.45	0	14	33	51	69
.50	0	14	33	51	69
.60	0	1	13	28	40
.70	0	0	6	12	18
.80	0	0	6	12	18
.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

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JUL-DEC 2000 RAIN VERSION PC-1.0

JUL-DEC INDEX

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 - .80 INCHES
MAXIMUM DAILY PRECIPITATION - 1.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 8 DAY 22 HOUR 16 - .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 - .60 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .10 INCHES
MAXIMUM DAILY PRECIPITATION - .30 INCHES

JUL-DEC INDEX

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	56	207	347	473	599
.02	56	207	347	473	599
.03	56	207	347	473	599
.04	56	207	347	473	599
.05	56	207	347	473	599
.07	56	207	347	473	599
.10	56	207	347	473	599
.15	17	95	181	265	349
.20	17	95	181	265	349
.25	6	60	129	195	261
.30	6	60	129	195	261
.35	4	46	93	142	190
.40	4	46	93	142	190
.45	2	39	82	124	166
.50	2	39	82	124	166
.60	1	24	60	100	136
.70	1	14	38	64	88
.80	1	13	32	52	76
.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

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

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 - .90 INCHES
MAXIMUM DAILY PRECIPITATION - 1.90 INCHES

1 HOUR PERIOD IN MONTH WITH GREATEST AMOUNT PRECIPITATION STARTS MONTH 3 DAY 12 HOUR 16 - .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 - .60 INCHES
MAXIMUM 1-HOUR PRECIPITATION - .10 INCHES
MAXIMUM DAILY PRECIPITATION - .30 INCHES

NPPD-COOPER NUCLEAR STATION PRECIPITATION DATA FOR JAN-DEC 2000 RAIN VERSION PC-1.0

ANNUAL INDEX

PRECIPITATION INTENSITY - DURATION
(NUMBER OF OCCURRENCES)

AMOUNT INCHES	DURATION (HOURS) 1	6	12	18	24
.01	93	386	661	913	1165
.02	93	386	661	913	1165
.03	93	386	661	913	1165
.04	93	386	661	913	1165
.05	93	386	661	913	1165
.07	93	386	661	913	1165
.10	93	386	661	913	1165
.15	23	156	312	455	593
.20	22	150	300	437	569
.25	8	86	201	317	431
.30	7	80	189	299	407
.35	5	56	125	209	299
.40	5	56	125	209	299
.45	3	45	97	151	205
.50	3	45	97	151	205
.60	2	30	72	118	160
.70	2	20	50	82	112
.80	2	19	44	70	100
.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 (delta T) for the 100-meter JFDs and the 60-meter to 10-meter delta T for the 10-meter JFDs.

JFDs of 10-Meter Wind vs. Delta T

January-March 2000

PROGRAM: JFD VERSION: PC-1.2
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 METERS
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	4	1	2	0	0	1	0	0	0	0	0	1	0	1	1	12
3.51- 7.50	3	2	1	3	4	6	2	3	0	2	0	0	0	1	0	0	27
7.51-12.50	11	0	0	0	1	2	1	0	4	0	1	0	0	1	0	2	23
12.51-18.50	0	0	0	0	0	0	0	3	11	1	0	0	2	0	0	2	19
18.51-24.00	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2	6
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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 METERS
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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	4
3.51- 7.50	1	3	2	2	2	2	1	1	1	0	0	0	0	0	1	0	16
7.51-12.50	6	0	0	0	0	2	1	1	3	2	0	0	1	0	2	8	26
12.51-18.50	0	0	0	0	0	0	2	0	3	12	1	0	0	1	2	11	32
18.51-24.00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
TOTAL	7	5	3	2	2	4	5	2	9	14	1	0	1	1	5	19	80

PROGRAM: JFD VERSION: PC-1.2
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 METERS
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	0	0	0	1	1	0	0	0	0	0	1	0	0	7
3.51- 7.50	8	2	0	1	3	2	4	1	1	3	1	8	0	1	1	4	40
7.51-12.50	6	1	0	1	1	4	0	1	7	11	3	3	0	3	3	6	50
12.51-18.50	0	0	0	0	0	0	1	2	4	8	1	2	1	6	1	4	30
18.51-24.00	0	0	0	0	0	0	0	0	2	2	0	0	0	3	2	2	11
>24.00	0	0	0	0	0	0	0	0	2	0	0	0	0	1	2	0	5
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 METERS
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	8	6	1	0	0	2	2	2	2	1	1	1	2	0	2	37
3.51- 7.50	29	20	14	23	30	25	13	8	4	4	6	6	1	12	17	18	230
7.51-12.50	37	5	4	8	12	19	24	16	18	29	12	7	8	8	32	22	261
12.51-18.50	11	1	0	0	0	0	3	3	7	14	3	13	4	5	20	21	105
18.51-24.00	0	0	0	0	0	0	0	1	8	3	2	2	2	6	13	15	52
>24.00	0	0	0	0	0	0	0	0	2	0	0	0	0	3	9	7	21
TOTAL	84	34	24	32	42	44	42	30	41	52	24	29	16	36	91	85	706

PROGRAM: JFD VERSION: PC-1.2
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 METERS
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	3	4	2	0	1	1	8	4	4	1	2	1	2	1	11	53
3.51- 7.50	29	6	3	3	7	9	15	32	35	11	5	2	2	5	5	28	197
7.51-12.50	7	0	0	0	0	2	18	35	26	21	7	8	7	8	9	5	153
12.51-18.50	0	0	0	0	0	0	3	15	3	4	0	5	3	5	14	2	54
18.51-24.00	0	0	0	0	0	0	1	0	0	1	0	0	0	1	2	1	6
>24.00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
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 METERS
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	0	0	4	0	1	5	11	26	9	3	9	0	0	5	14	102
3.51- 7.50	3	0	0	0	0	2	5	20	20	6	3	1	4	4	2	3	73
7.51-12.50	0	0	0	0	0	1	0	0	13	2	2	2	3	1	0	3	27
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	2	2	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	18	0	0	4	0	4	10	31	59	17	8	14	9	5	7	20	206

PROGRAM: JFD VERSION: PC-1.2
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 METERS
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	2	0	1	0	3	10	20	14	7	4	2	0	1	2	8	82
3.51- 7.50	0	0	0	0	0	0	0	4	4	0	0	0	0	1	2	1	12
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	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	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 METERS
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	40	21	13	10	0	5	21	42	46	22	9	14	3	6	9	36	297
3.51- 7.50	73	33	20	32	46	46	40	69	65	26	15	17	7	24	28	54	595
7.51-12.50	67	6	4	9	14	30	44	53	71	65	25	20	19	21	46	46	540
12.51-18.50	11	1	0	0	0	0	9	23	28	39	5	22	13	17	37	40	245
18.51-24.00	0	0	0	0	0	0	1	3	13	6	2	2	2	10	17	20	76
>24.00	0	0	0	0	0	0	0	0	5	1	0	0	0	4	11	7	28
TOTAL	191	61	37	51	60	81	115	190	228	159	56	75	44	82	148	203	1781

PROGRAM: JFD VERSION: PC-1.2
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 METERS
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: 8.6 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: PC-1.2
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 METERS
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	2	3	0	0	0	0	0	0	5
3.51- 7.50	9	2	2	0	2	4	2	1	3	4	3	2	2	0	10	5	51
7.51-12.50	9	2	2	0	1	0	2	25	15	5	3	1	1	3	13	18	100
12.51-18.50	2	0	0	0	0	0	3	30	33	8	0	1	1	1	3	6	88
18.51-24.00	0	0	0	0	0	0	0	1	30	6	2	1	0	0	2	2	44
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
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 METERS
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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3.51- 7.50	5	3	2	2	1	0	3	5	0	1	1	3	0	1	1	5	33
7.51-12.50	2	0	1	1	6	10	13	15	11	2	5	7	2	3	9	11	98
12.51-18.50	0	0	1	0	0	0	2	8	9	0	1	0	4	2	6	8	41
18.51-24.00	0	0	0	0	0	0	0	1	1	2	0	1	0	0	1	7	13
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
TOTAL	7	3	5	3	7	10	18	29	21	5	7	11	6	6	19	31	188

PROGRAM: JFD VERSION: PC-1.2
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 METERS
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	2	1	1	0	0	0	0	0	0	4
3.51- 7.50	0	5	3	1	1	3	7	12	7	4	1	1	5	0	5	5	60
7.51-12.50	5	1	0	1	4	4	5	5	5	10	2	4	5	3	8	10	72
12.51-18.50	0	1	0	0	0	0	2	10	9	5	3	2	2	2	5	4	45
18.51-24.00	0	0	0	0	0	0	0	1	2	0	0	1	0	0	2	4	10
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4
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 METERS
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	7	3	1	2	2	4	6	3	1	1	3	0	0	1	1	40
3.51- 7.50	16	16	12	15	17	24	23	21	18	14	6	8	5	7	6	12	220
7.51-12.50	24	7	3	4	17	12	27	22	20	19	6	3	7	14	14	28	227
12.51-18.50	1	0	2	0	2	1	3	30	35	10	6	7	6	15	11	32	161
18.51-24.00	0	0	0	0	0	0	0	0	11	2	0	0	6	4	10	12	45
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	9
TOTAL	46	30	20	20	38	39	57	79	87	46	19	21	24	40	46	90	702

PROGRAM: JFD VERSION: PC-1.2
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 METERS
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	5	5	2	2	2	3	12	18	9	0	1	4	3	8	13	91
3.51- 7.50	12	2	2	8	7	12	14	33	28	8	8	3	2	8	8	10	165
7.51-12.50	2	0	0	1	5	8	5	40	42	14	5	3	5	14	9	12	165
12.51-18.50	0	0	0	0	0	1	2	1	18	3	0	0	2	1	11	7	46
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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 METERS
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																	1
1.01- 3.50	10	2	0	0	0	1	1	14	22	7	4	4	3	4	9	22	103
3.51- 7.50	1	0	2	0	0	0	0	5	17	5	0	0	0	2	1	2	35
7.51-12.50	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	11	2	2	0	0	1	1	19	39	13	4	4	3	7	11	24	142

PROGRAM: JFD VERSION: PC-1.2
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 METERS
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																	1
1.01- 3.50	9	4	1	0	0	0	4	17	5	2	0	3	2	3	8	12	70
3.51- 7.50	1	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	5
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	10	4	1	0	0	0	4	17	6	2	1	3	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 METERS
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																	2
1.01- 3.50	28	18	10	3	4	5	12	51	51	23	5	11	9	10	26	48	314
3.51- 7.50	44	28	23	26	28	43	49	77	74	36	20	17	15	19	31	39	569
7.51-12.50	42	10	6	7	33	34	52	107	93	51	21	18	20	38	53	79	664
12.51-18.50	3	1	3	0	2	2	12	79	104	26	10	10	15	21	37	57	382
18.51-24.00	0	0	0	0	0	0	0	3	44	10	2	3	6	4	16	27	115
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	8	18
TOTAL	117	57	42	36	67	84	125	317	366	146	58	59	65	93	172	258	2064

PROGRAM: JFD VERSION: PC-1.2
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 METERS
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: 9.2 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	1	19	39	13	4	4	3	7	11	24	1
G	10	4	1	0	0	0	4	17	6	2	1	3	3	4	8	12	1
TOTAL	117	57	42	36	67	84	125	317	366	146	58	59	65	93	172	258	2