DOE/NV/11508-30

UC-603

**Desert Research
Institute**

Energy and Environmental
Engineering Center

RECEIVED
FFR 0 6 1998
OSTI

24 M METEOROLOGICAL TOWER DATA REPORT

PERIOD: JANUARY THROUGH DECEMBER, 1995

Submitted to:
John Spahn
Department of Energy
Nevada Operations Office
P.O. Box 98518
Las Vegas, NV 89193-8519

Prepared by:
Daniel Freeman, John Bowen, Richard Egami, William Coulombe,
Dale Crow, Brenda Cristani, Steve Schmidt
Desert Research Institute
University and Community College System of Nevada
P.O. Box 60220
Reno, NV 89506

December 1997

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

MASTER

DISCLAIMER

Portions of this document may be illegible electronic image products. Images are produced from the best available original document.

**24 M METEOROLOGICAL TOWER DATA REPORT
PERIOD: JANUARY THROUGH DECEMBER, 1995**

Submitted to:
John Spahn
Department of Energy
Nevada Operations Office
P.O. Box 98518
Las Vegas, NV 89193-8519

Prepared by:
Daniel Freeman, John Bowen, Richard Egami, William Coulombe,
Dale Crow, Brenda Cristani, Steve Schmidt
Desert Research Institute
University and Community College System of Nevada
P.O. Box 60220
Reno, NV 89506

December 1997

TABLE OF CONTENTS

	Page
Table of Contents	i
List of Figures	ii
List of Tables	ii
1.0 INTRODUCTION	1
2.0 MEASUREMENT METHODS	1
3.0 OPERATIONAL STATUS	4
4.0 DATA QUALITY ASSURANCE	6
5.0 MEASUREMENT RESULTS	12
6.0 STABILITY CALCULATIONS	22
7.0 REFERENCES	24
 APPENDIX A	
Selected Time Series Plots, Two and Eight Meters	A-1 - A-48
 APPENDIX B	
Monthly Wind Roses, Two and Eight Meters	B-1 - B-264
 APPENDIX C	
Monthly Wind Frequency Distributions, Two and Eight Meters	C-1 - C-264
 APPENDIX D	
Tabulated Hourly Richardson Numbers, Monin-Obukhov Lengths Estimated from Richardson Numbers, Temperature Differences Two to Sixteen Meters, and Sigma Theta Stability Classes	D-1 - D-96

LIST OF FIGURES

		Page
Figure 1-1	Location of Project	2

LIST OF TABLES

		Page
Table 2-1	Instrument Design and Actual Height (m) from Ground to Center of Sensor	3
Table 3-1	Operational Summary	4
Table 3-2	Data Recovery for Each Measurement by Month	5
Table 4-1	Accuracy of Meteorological Data Based on Calibration Data, August, 1995	6
Table 4-2	Results of August 1995 Temperature Water Bath Calibrations	7
Table 4-3	Calibration of Thermometers versus HP Quartz Thermometer 9 August 1995	8
Table 4-4	Results of August 1995 Wind Speed Calibrations	9
Table 4-5	Results of August 1995 Wind Direction Calibrations	10
Table 4-6	Results of August 1995 Checks on Relative Humidity and Barometric Pressure	11
Table 5-1	Data Base Description	13
Table 5-2	Summary Wind Speed Data - January-December, 1995	15
Table 5-3	Summary Temperature Data - January-December 1995	17
Table 5-4	Summary of Relative Humidity, Radiation and Barometric Pressure - January through December, 1995	20
Table 6-1	Stability Classes Based on Monin-Obukhov Length (L) and Richardson Number (Ri)	23

1.0 INTRODUCTION

This report was prepared by the Desert Research Institute (DRI) for the U. S. Department of Energy (DOE). It summarizes meteorological data collected at the 24 meter tower at the Nevada Test Site Hazardous Material Spill Center (HAZMAT) located at Frenchman Flat near Mercury, Nevada, approximately 75 miles northwest of Las Vegas, Nevada (Figure 1-1). The tower was originally installed in July, 1993 to characterize baseline conditions for an EPA sponsored experimental research program at the HAZMAT.

A previous report (DOE/NV/11508-27, August, 1997) reported monitoring results for 1994. This report presents results of the monitoring for January-December, 1995, providing:

- a status of the measurement systems (including any quality assurance activities) during the report period and
- a summary of the meteorological conditions at the HAZMAT during the report period.

The scope of the report is limited to summary data analyses and does not include extensive meteorological analysis

2.0 MEASUREMENT METHODS

Detailed measurement methods are described in a QA Plan written for operation of the met tower (DRI/Western Research Institute, 1993). The plan covers data processing, validation and reporting of the tower data as well as operation and maintenance of the instruments.

For convenience, the design characteristics of the met tower are repeated in Table 2-1. In summary, the tower was instrumented at eight levels. Wind speed, wind direction, and temperature were measured at all 8 levels: $\frac{1}{4}$, $\frac{1}{2}$, 1, 2, 4, 8, 16, and 24 meters above the ground. Relative humidity was measured at 3 levels: 1, 4, and 16 meters above the ground. Solar and net radiation were measured 2 meters above the ground, approximately 20 meters to the south of the tower. Barometric pressure was measured at the base of the tower, soil temperature was measured near the base of the tower. Wind sensors were mounted on retractable arms at about 2.5 m from the tower. Temperature sensors were housed in aspirated radiation shields near the wind sensors. Relative humidity sensors were mounted in passive radiation shields. Data were collected using a Campbell Scientific, model 21X, data acquisition system (DAS) with multiplexer, interval timer, and 32 analog outputs.

During the EPA dense gas dispersion experiments, wind speed and direction sensors were modified to have faster response characteristics. For year round operation, the threshold value for wind speed is 0.4 mps and 0.5 mps for wind direction at 10° displacement. During experiments, the threshold value for wind speed was 0.2 mps and for wind direction it was 0.4 mps at 10° displacement. No experiments requiring a change in sensors occurred during the report period.

Figure 1-1 Location of Project

Table 2-1 Instrument Design

Parameter	Units	Range	Method	Manufacturer	Model	Precision	Accuracy
Wind Speed	mps	0 to 44.7	Anemometer	R.M. Young	AQ-5305	0.1 mps	0.1 mps
Wind Direction	degrees	0 to 360	Wind Vane	R.M. Young	AQ-5305	3 degrees	3 degrees
Temperature-air	°C	-30 to 50	platinum resistance Thermometer	R.M. Young	none	0.1 °C	0.2 °C
Temperature-soil	°C	-30 to 50	Fenwal Thermistor	Campbell Sci.	107B	0.1 °C	0.2 °C
Relative Humid.	percent	0 to 100	Capacitive	Vaisala	HMP-35C	5 %	5 %
Barometric Pressure	mb	800 to 1060	Silicon Capacitive	Vaisala	PTA-427	2 mb	2 mb
Solar Radiation	w/m ²	0 to 1396	Silicon Photodiode	LI-COR	LI200	25 w/m ²	25 w/m ²
Net Radiation	w/m ²	-200 to 1396	Differential Thermopile	REBS	none	25 w/m ²	25 w/m ²

Actual Height (m) From Ground to Center of Sensor						
Nominal Level (m)	Wind Speed	Wind Direction	Temperature	Relative Humidity	Solar Radiation *	Net Radiation
24	24.31	24.31	23.99			
16	16.01	16.01	15.95	16.40		
8	7.81	7.81	7.78			
4	4.12	4.12	4.08	4.53		
2	2.01	2.01	1.98		1.88	1.71
1	0.95	0.95	1.02	1.25		
0.50	0.50	0.50	0.57			
0.25	0.26	0.26	0.25			
soil			-0.07			

* Radiation sensors are actually on separate towers approximately 20 m south of the main tower.

2.1 Computations

Sensor voltages were processed by the Campbell Scientific Data Acquisition System (DAS) at a sampling rate of once every 10 seconds and stored in engineering units as 15 minute averages. Data were automatically downloaded daily from the DAS by telephone to a personal computer at DRI's Data Processing Center in Reno. Proper data downloading was verified daily (Monday through Friday), and daily files were concatenated into weekly files for weekly evaluation of measurement system integrity.

Weekly files were concatenated into monthly files of 15 minute averages. In addition to the 15 minute data, files of hourly averaged data were constructed from validated 15 minute data. Wind

frequency distributions and stability classes were calculated from the hourly data (Section 6.0). All times are Pacific Standard Time (PST) and the time stamp represents the beginning of the averaging period (e.g., 0900 is the average from 0900-0915).

3.0 OPERATIONAL STATUS

A summary of problems and changes to instruments occurring during the report period is provided in Table 3-1 and the percent data recovery in Table 3-2. Wind sensor tails and props for the 0.25 m, 0.5m, and 1.0m levels were broken in November because of wind-blown debris at these low levels. Tails and props were replaced in January of 1996. Other data losses in November and December resulted from intermittent data transmission problems.

Table 3-1 Operational Summary

Start Date	Event	End Date	Action
1/26/95	Replaced DC 112 Modem	Not Applicable	Replaced and repaired DC112 Modem
8/9/95	DRI calibration and maintenance on tower prior to experiments	Not Applicable	Not Applicable
8/9/95	Maintenance	Not Applicable	Replaced props and vanes, replaced wind sensor bearings
8/21/95	Could not call up tower modem from DRI	Not applicable	Put modem switch in "active" position instead of "bypass" position. This solved the problem.

Table 3-2 Data Recovery for Each Measurement by Month

Measurement	January	February	March	April	May	June	July	August	September	October	November	December
Wind Speed and Direction												
24 m	100.0	100.0	100.0	100.0	100.0	100.0	96.9	99.5	83.5	96.8	63.6	67.7
16 m	100.0	100.0	100.0	100.0	100.0	100.0	96.9	99.5	83.5	96.8	63.6	67.7
8 m	100.0	100.0	100.0	100.0	100.0	100.0	96.9	99.5	83.5	96.8	63.6	67.7
4 m	100.0	100.0	100.0	100.0	100.0	100.0	96.9	99.5	83.5	96.8	63.6	67.7
2 m	100.0	100.0	100.0	100.0	100.0	100.0	96.9	99.5	83.5	96.8	63.6	67.7
1 m	100.0	100.0	100.0	100.0	100.0	100.0	96.9	99.5	83.5	96.8	63.6	0
0.5 m	100.0	100.0	100.0	100.0	100.0	100.0	96.9	99.5	83.5	96.8	56.8	0
0.25 m	100.0	100.0	100.0	100.0	100.0	100.0	96.9	99.5	83.5	96.8	63.6	0
Temperature												
24 m	100.0	100.0	99.9	99.7	99.9	100.0	96.8	99.2	83.5	96.6	63.6	67.7
16 m	100.0	100.0	99.9	99.7	99.9	100.0	96.8	99.2	83.5	96.6	63.6	67.7
8 m	100.0	100.0	99.9	99.7	99.9	100.0	96.8	99.2	83.5	96.6	63.6	67.7
4 m	100.0	100.0	99.9	99.7	99.9	100.0	96.8	99.2	83.5	96.6	63.6	67.7
2 m	100.0	100.0	99.9	99.7	99.9	100.0	96.8	99.2	83.5	96.6	63.6	67.7
1 m	99.1	98.8	99.9	99.7	99.9	100.0	96.8	99.2	83.5	96.6	63.6	67.7
0.5 m	100.0	100.0	99.9	99.7	99.9	100.0	96.8	99.2	83.5	96.6	63.6	67.7
0.25 m	100.0	100.0	99.9	99.7	99.9	100.0	96.8	99.2	83.5	96.6	63.6	67.7
Soil												
Relative Humidity												
16 m	100.0	100.0	99.9	99.7	100.0	100.0	96.8	99.2	83.5	96.6	63.6	67.7
4 m	100.0	100.0	99.9	99.7	100.0	100.0	96.8	99.2	83.5	96.6	63.6	67.7
1 m	100.0	100.0	99.9	99.7	100.0	100.0	96.8	99.2	83.5	96.6	63.6	67.7
Solar Radiation	100.0	100.0	100.0	99.7	99.9	100.0	96.8	99.2	83.5	96.6	63.6	67.7
Net Radiation	100.0	100.0	100.0	99.7	99.9	100.0	96.8	99.2	83.5	96.6	63.6	67.7
Barometric Pressure	100.0	100.0	99.9	99.7	100.0	100.0	96.8	99.5	83.5	96.6	63.6	67.7

4.0 DATA QUALITY ASSURANCE

Calibrations were performed on August 9, 1995, prior to the Experimental CO₂ releases conducted September 11-15.

Calibration procedures are detailed in the QA Plan (DRI/WRI, 1994). In summary, temperature sensors were calibrated by side by side comparison with an audit thermometer in the field. Wind speed was checked using a constant speed motor. Wind direction was verified against targets of known direction. Relative humidity and barometric pressure were verified against a psychrometer and altimeter, respectively. Solar radiation was verified against a Precision Spectral Pyranometer run side by side.

Accuracy of the sensors, in terms of the difference between the calibration target and the value measured by each sensor, is summarized in Table 4-1. More detailed calibration results for each measurement are provided in Tables 4-2 through 4-6.

Table 4-1
Accuracy of Meteorological Data Based on Calibration Data, August, 1995

DIFFERENCE FROM CALIBRATION STANDARD									
Level (meters)	Temperature (°C) Water Bath ^a		Wind Speed (mps) Constant Motor		Wind Direction (degrees)		Relative Humidity Psychrometer	Barometric Pressure	Solar Radiation
	Mean	Std Dev	Mean	Std Dev	Mean	Std Dev	%	(mb)	(W/m ²)
24	-0.72	0.41	0.01	0.01	-1.4	2.5			
16	-0.66	0.52	0.01	0.01	-1.2	1.4	-2.0		
8	-0.16	0.51	0.00	0.00	0.8	1.1			
4	-0.52	0.59	0.00	0.00	-1.0	3.1	-1.4		
2	-0.50	0.58	0.00	0.00	-1.5	1.1			
1	-0.58	0.44	0.00	0.00	-0.1	1.0	-1.5	-3.1	NA ^b
0.5	-0.71	0.38	0.00	0.00	-1.9	1.3			
0.25	-0.81	0.44	0.00	0.00	-0.2	2.1			
Soil	-0.01	0.10							

^a Temperature values shown in this table were used to prepare linear regression calibration relationships, as detailed in Table 4-3.

^b Solar Radiation accuracy checks were not performed because of cloudy conditions.

Table 4-2
Results of August, 1995 Temperature Water Bath Calibrations

Level (m)	(°C)	1	2	3	4	5	6	7	8	Mean	Std Dev
24	Standard	41.23	34.63	27.81	21.15	14.41	8.05	0.10	0.00		
	Sensor	39.84	33.60	26.83	20.35	13.83	7.61	-0.14	-0.26		
	Difference	-1.39	-1.03	-0.98	-0.80	-0.58	-0.44	-0.24	-0.26	-0.72	0.41
16	Standard	41.23	34.63	27.81	21.15	14.41	8.05	0.10	0.00		
	Sensor	39.74	33.53	26.79	20.42	13.87	7.76	0.04	-0.04		
	Difference	-1.49	-1.10	-1.02	-0.73	-0.54	-0.29	-0.06	-0.04	-0.66	0.52
8	Standard	41.23	34.63	27.81	21.15	14.41	8.05	0.10	0.00		
	Sensor	40.26	34.05	27.30	20.91	14.41	8.21	0.57	0.43		
	Difference	-0.97	-0.58	-0.51	-0.24	0.00	0.16	0.47	0.43	-0.16	0.51
4	Standard	41.23	34.63	27.81	21.15	14.41	8.05	0.10	0.00		
	Sensor	39.79	33.63	26.90	20.49	14.09	7.84	0.27	0.22		
	Difference	-1.44	-1.00	-0.91	-0.66	-0.32	-0.21	0.17	0.22	-0.52	0.59
2	Standard	41.23	34.63	27.81	21.15	14.41	8.05	0.10	0.00		
	Sensor	40.08	33.64	27.10	20.61	14.09	7.91	0.23	0.22		
	Difference	-1.44	-0.99	-0.91	-0.54	-0.32	-0.14	0.13	0.22	-0.50	0.58
1	Standard	41.23	34.63	27.81	21.15	14.41	8.05	0.10	0.00		
	Sensor	39.94	33.70	26.94	20.47	13.92	7.73	0.07	-0.06		
	Difference	-1.29	-0.93	-0.87	-0.68	-0.49	-0.32	-0.03	-0.06	-0.58	0.44
0.5	Standard	41.23	34.63	27.81	21.15	14.41	8.05	0.10	0.00		
	Sensor	39.92	33.61	26.85	20.35	13.75	7.56	-0.11	-0.26		
	Difference	-1.31	-1.02	-0.96	-0.80	-0.66	-0.49	-0.21	-0.26	-0.71	0.38
0.25	Standard	41.23	34.63	27.81	21.15	14.41	8.05	0.10	0.00		
	Sensor	39.78	33.44	26.70	20.21	13.65	7.49	-0.17	-0.23		
	Difference	-1.45	-1.19	-1.11	-0.94	-0.76	-0.56	-0.27	-0.23	-0.81	0.44
Soil	Standard	41.23	34.63	27.81	21.15	14.41	8.05	0.10	0.00		
	Sensor	41.01	34.70	27.71	21.25	14.41	8.09	0.10	0.00		
	Difference	-0.22	0.07	-0.10	0.10	0.00	0.04	0.00	0.00	-0.01	0.10

Note: Data in this table were used in deriving calibration relationships detailed in Table 4-3

Table 4-3
Calibration of Thermometers versus HP Quartz Thermometer
9 August, 1995

LINEAR REGRESSION
 $\text{SENSOR} = M \cdot \text{QUARTZ} + B$

TO CORRECT SENSOR
 $\text{TCORR} = (\text{SENSOR} - B)/M$

CALIBRATION DATE: 8/9/95

Before Program Change

Level (m)	M	B	R ²	1/M	-B/M
24	0.9761	-0.263	0.999999	1.0245	0.269
16	0.9669	-0.037	0.999997	1.0342	0.039
8	0.9673	0.452	0.999998	1.0338	-0.467
4	0.9607	0.227	0.999967	1.0410	-0.237
2	0.9677	0.182	0.999942	1.0334	-0.188
1	0.9691	-0.023	0.999999	1.0318	0.024
0.5	0.9727	-0.220	0.999998	1.0281	0.226
0.25	0.9688	-0.259	0.999992	1.0322	0.268
Soil	0.9964	0.074	0.999895	1.0036	-0.074

After Program Change

Level (m)	M	B	R ²	1/M	-B/M
24	1.0020	-0.268	0.999999	0.9980	0.267
16	0.9934	-0.045	0.999996	1.0067	0.045
8	0.9918	0.479	0.999999	1.0083	-0.482
4	0.9858	0.239	0.999969	1.0144	-0.242
2	0.9938	0.183	0.999939	1.0062	-0.184
1	0.9934	-0.006	1.000000	1.0066	0.006
0.5	0.9979	-0.217	0.999999	1.0022	0.217
0.25	0.9947	-0.266	0.999992	1.0053	0.268
Soil	0.9964	0.074	0.999895	1.0036	-0.074

Table 4-4
Results of August 1995 Wind Speed Calibrations

Level (m)	(mps)	1	2	3	4	5	6	Mean	Std Dev
24	Target	0	1.47	2.94	4.41	5.88	8.82		
	Found	0	1.50	2.94	4.41	5.88	8.82		
	Difference	0	0.03	0	0	0	0	0.01	0.01
16	Target	0	1.47	2.94	4.41	5.88	8.82		
	Found	0	1.51	2.94	4.41	5.88	8.82		
	Difference	0	0.04	0	0	0	0	0.01	0.01
8	Target	0	1.47	2.94	4.41	5.88	8.82		
	Found	0	1.47	2.94	4.41	5.88	8.82		
	Difference	0	0	0	0	0	0	0	0
4	Target	0	1.47	2.94	4.41	5.88	8.82		
	Found	0	1.47	2.94	4.41	5.88	8.82		
	Difference	0	0	0	0	0	0	0	0
2	Target	0	1.47	2.94	4.41	5.88	8.82		
	Found	0	1.46	2.94	4.41	5.88	8.82		
	Difference	0	0.01	0	0	0	0	0	0
1	Target	0	1.47	2.94	4.41	5.88	8.82		
	Found	0	1.47	2.94	4.40	5.88	8.82		
	Difference	0	0	0	-0.01	0	0	0	0
0.5	Target	0	1.47	2.94	4.41	5.88	8.82		
	Found	0	1.48	2.94	4.41	5.88	8.82		
	Difference	0	0.01	0	0	0	0	0	0
0.25	Target	0	1.47	2.94	4.41	5.88	8.82		
	Found	0	1.48	2.94	4.41	5.88	8.82		
	Difference	0	0.01	0	0	0	0	0	0

Table 4-5
Results of August 1995 Wind Direction Calibrations

Level (m)	(Degrees)				
	Target	Found	Difference	Mean	Std Dev
24	249.3 69.3 317.7 137.7	250.0 67.4 318.0 133.0	0.7 -1.9 0.3 -4.7	-1.4	2.5
16	249.3 69.3 317.7 137.7	249.0 67.3 318.0 135.0	-0.3 -2.0 0.3 -2.7	-1.2	1.4
8	249.3 69.3 317.7 137.7	250.0 69.1 320.0 138.0	0.7 -0.2 2.3 0.3	0.8	1.1
4	249.3 69.3 317.7 137.7	251.0 66.4 319.0 133.0	1.7 -2.4 1.3 -4.7	-1.0	3.1
2	249.3 69.3 317.7 137.7	249.0 67.2 317.0 135.0	-0.3 -2.1 -0.7 -2.7	-1.5	1.1
1	249.3 69.3 317.7 137.7	249.0 70.6 317.0 137.0	-0.3 1.3 -0.7 -0.7	-0.1	1.0
0.5	249.3 69.3 317.7 137.7	248.0 67.4 317.0 134.0	-1.3 -1.9 -0.7 -3.7	-1.9	1.3
0.25	249.3 69.3 317.7 137.7	251.0 68.1 319.0 135.0	1.7 -1.2 1.3 -2.7	-0.2	2.1

Table 4-6
Results of August, 1995 Checks on Relative Humidity and Barometric Pressure

NOTE: Because of cloudy conditions, no checks were made of the solar and net radiation sensors.

Relative Humidity

Level (m)	Dry Bulb Temp (°C)	Wet Bulb Temp (°C)	RH (%)	Sensor (%)	Difference
16	29.4	14.9	19.3	17.3	-2.0
4	29.4	14.9	19.3	17.9	-1.4
1	29.4	14.9	19.3	17.8	-1.5

Barometric Pressure

Level (m)	Altimeter (mb)	Sensor (mb)	Difference (mb)	Mean
1	903.5	900.5	-3.0	-3.1
	900.2	897.0	-3.2	

5.0 MEASUREMENT RESULTS

Measurement results are available on disk for both the 15 minute and hourly data sets (refer to Section 1.0). A summary of the contents of data on disk are provided in Table 5-1. Summary statistics for wind speed and temperature are provided in Tables 5-2 and 5-3, respectively. Two types of wind direction are provided, unit vector and resultant vector (named just “vector wind direction”). The vector wind direction is wind speed weighted while the unit vector calculation uses a wind speed of one (unity). Relative humidity, solar radiation and barometric pressure summaries are provided in Table 5-4.

For convenience in analysis of overall temporal trends, time series plots are provided in Appendix A. For measurements made at multiple levels, the two meter and eight meter levels are presented. The two meter data are of particular interest for very low level dispersion of heavy gases, while eight meter data provides added information for more general interest.

Monthly wind roses are provided in graphic form in Appendix B and in tabular form (wind frequency distributions) in Appendix C. In addition to distributions based on total hours, distributions are provided for morning transition (0600-1000), late midday (1000-1600), evening transition (1600-2000), nighttime (2000-0600), and for Pasquill-Gifford stability classes A-F.

Table 5-1 Data Base Description

Note! The 15 minute data base contains variables 1-57 only.

Order	Variable	Units	Description
1	Date	mm/dd/yy	Date
2	Starthr	PST	Pacific Standard Time
3	swsqtmps	mps	scalar wind speed, quarter meter level
4	unwdqtdg	degrees	unit vector wind direction, quarter meter level
5	yldsqtgdg	degrees	standard deviation (sigma theta) of wind direction, quarter meter level
6	swshfmps	mps	scalar wind speed, half meter level
7	unwdhfdg	degrees	unit vector wind direction, half meter level
8	yldshfdg	degrees	standard deviation (sigma theta) of wind direction, half meter level
9	sws01mps	mps	scalar wind speed, 1 meter level
10	unwd01dg	degrees	unit vector wind direction, 1 meter level
11	ylds01dg	degrees	standard deviation (sigma theta) of wind direction, 1 meter level
12	sws02mps	mps	scalar wind speed, 2 meter level
13	unwd02dg	degrees	unit vector wind direction, 2 meter level
14	ylds02dg	degrees	standard deviation (sigma theta) of wind direction, 2 meter level
15	sws04mps	mps	scalar wind speed, 4 meter level
16	unwd04dg	degrees	unit vector wind direction, 4 meter level
17	ylds04dg	degrees	standard deviation (sigma theta) of wind direction, 4 meter level
18	sws08mps	mps	scalar wind speed, 8 meter level
19	unwd08fdg	degrees	unit vector wind direction, 8 meter level
20	ylds08dg	degrees	standard deviation (sigma theta) of wind direction, 8 meter level
21	sws16mps	mps	scalar wind speed, 16 meter level
22	unw16tdg	degrees	unit vector wind direction, 16 meter level
23	ylds16dg	degrees	standard deviation (sigma theta) of wind direction, 16 meter level
24	sws24mps	mps	scalar wind speed, 24 meter level
25	unw24fdg	degrees	unit vector wind direction, 24 meter level
26	ylds24dg	degrees	standard deviation (sigma theta) of wind direction, 24 meter level
27	swsqtmps	mps	vector wind speed, quarter meter level
28	vwdqtdg	degrees	vector wind direction, quarter meter level
29	vswshfmps	mps	vector wind speed, half meter level
30	vwdhfdg	degrees	vector wind direction, half meter level
31	vws01mps	mps	vector wind speed, 1 meter level
32	vwd01dg	degrees	vector wind direction, 1 meter level
33	vws02mps	mps	vector wind speed, 2 meter level
34	vwd02dg	degrees	vector wind direction, 2 meter level
35	vws04mps	mps	vector wind speed, 4 meter level
36	vwd04dg	degrees	vector wind direction, 4 meter level
37	vws08mps	mps	vector wind speed, 8 meter level
38	vwd08dg	degrees	vector wind direction, 8 meter level
39	vws16mps	mps	vector wind speed, 16 meter level
40	vwd16dg	degrees	vector wind direction, 16 meter level
41	vws24mps	mps	vector wind speed, 24 meter level
42	vwd24dg	degrees	vector wind direction, 24 meter level

Table 5-1 Data Base Description (continued)

Order	Variable	Units	Description
43	tmpqtdgc	degrees C	ambient temperature, quarter meter level
44	tmpbfdgc	degrees C	ambient temperature, half meter level
45	tmp 1 dgc	degrees C	ambient temperature, 1 meter level
46	tmp2dgc	degrees C	ambient temperature, 2 meter level
47	tmp4dgc	degrees C	ambient temperature, 4 meter level
48	tmp8dgc	degrees C	ambient temperature, 8 meter level
49	tmp16dgc	degrees C	ambient temperature, 16 meter level
50	tmp24dgc	degrees C	ambient temperature, 24 meter level
51	rhi01pc	percent	relative humidity, 1 meter level
52	rhi04pc	percent	relative humidity, 4 meter level
53	rhi16pc	percent	relative humidity, 16 meter level
54	sradwm2	w/m2	solar radiation
55	nradwm2	w/m2	net radiation
56	stmpdgc	degrees C	soil temperature
57	bprmb	mb	barometric pressure
58	rinum 1	----	Richardson number, quarter meter to 2 meter layer
59	rinum 2	----	Richardson number, half meter to 4 meter layer
60	rinum 3	----	Richardson number, 2 meter to 16 meter layer
61	monin 1	----	Monin-Obukhov Length, quarter meter to 2 meter layer
62	monin 2	----	Monin-Obukhov Length, half meter to 4 meter layer
63	monin 3	----	Monin-Obukhov Length, 2 meter to 16 meter layer
64	stbsig8	----	stability class based on sigma theta at 8 m

Table 5-2 Summary Wind Speed Data - January - December, 1995

Month	Tower Height (m)	Monthly			Mean Daily		% Data Recovery
		Mean	Max	Min	Max	Min	
January	24	2.26	12.23	0.18	5.13	0.57	100.0
	16	2.17	11.45	0.09	4.80	0.53	100.0
	8	1.97	10.39	0.05	4.33	0.47	100.0
	4	1.86	9.93	0.09	4.07	0.49	100.0
	2	1.72	9.31	0.26	3.76	0.53	100.0
	1	1.58	8.76	0.10	3.48	0.47	100.0
	0.5	1.48	8.03	0.13	3.31	0.42	100.0
	0.25	1.36	7.53	0.03	3.11	0.33	100.0
February	24	2.26	16.90	0.16	5.72	0.51	100.0
	16	2.23	16.27	0.13	5.47	0.49	100.0
	8	2.00	15.00	0.09	4.87	0.44	100.0
	4	1.89	14.32	0.16	4.51	0.48	100.0
	2	1.74	13.44	0.24	4.11	0.49	100.0
	1	1.62	12.70	0.18	3.82	0.49	100.0
	0.5	1.48	11.61	0.11	3.50	0.43	100.0
	0.25	1.36	10.78	0.07	3.28	0.35	100.0
March	24	3.61	17.39	0.21	8.14	0.73	100.0
	16	3.49	16.81	0.16	7.84	0.75	100.0
	8	3.18	15.45	0.16	7.23	0.69	100.0
	4	3.01	14.76	0.24	6.86	0.71	100.0
	2	2.78	13.85	0.28	6.35	0.70	100.0
	1	2.59	13.06	0.21	5.96	0.65	100.0
	0.5	2.39	11.94	0.30	5.49	0.60	100.0
	0.25	2.22	11.12	0.20	5.13	0.50	100.0
April	24	4.04	19.49	0.29	8.55	0.95	100.0
	16	3.90	18.83	0.18	8.25	0.95	100.0
	8	3.61	17.33	0.20	7.70	0.89	100.0
	4	3.44	16.58	0.30	7.36	0.90	100.0
	2	3.18	15.55	0.32	6.84	0.86	100.0
	1	2.98	14.65	0.38	6.43	0.82	100.0
	0.5	2.75	13.39	0.22	5.94	0.73	100.0
	0.25	2.57	12.51	0.19	5.57	0.64	100.0
May	24	3.43	15.35	0.13	8.00	0.78	100.0
	16	3.36	14.77	0.08	7.72	0.79	100.0
	8	3.08	13.48	0.05	7.25	0.72	100.0
	4	2.94	12.83	0.12	6.97	0.73	100.0
	2	2.72	12.02	0.26	6.49	0.71	100.0
	1	2.55	11.31	0.21	6.12	0.66	100.0
	0.5	2.35	10.31	0.21	5.65	0.61	100.0
	0.25	2.19	9.64	0.16	5.30	0.52	100.0
June	24	3.87	15.03	0.17	8.67	0.72	100.0
	16	3.75	14.51	0.23	8.36	0.71	100.0
	8	3.46	13.52	0.22	7.79	0.68	100.0
	4	3.29	13.01	0.26	7.44	0.70	100.0
	2	3.04	12.15	0.43	6.94	0.68	100.0
	1	2.85	11.48	0.35	6.55	0.64	100.0
	0.5	2.64	10.78	0.38	6.07	0.61	100.0
	0.25	2.46	10.16	0.18	5.72	0.50	100.0

Table 5-2 Summary Wind Speed Data - January - December, 1995 Cont.

Month	Tower Height (m)	Monthly			Mean Daily		% Data Recovery
		Mean	Max	Min	Max	Min	
July	24	3.65	12.11	0.17	8.12	0.59	96.9
	16	3.50	11.80	0.14	7.86	0.55	96.9
	8	3.24	11.09	0.15	7.34	0.58	96.9
	4	3.07	10.73	0.25	7.06	0.59	96.9
	2	2.83	10.14	0.29	6.63	0.56	96.9
	1	2.65	9.58	0.29	6.27	0.54	96.9
	0.5	2.43	8.81	0.30	5.79	0.51	96.9
	0.25	2.55	8.22	0.16	5.43	0.39	96.9
August	24	3.83	14.73	0.30	8.89	0.59	99.5
	16	3.62	14.01	0.23	8.44	0.64	99.5
	8	3.39	13.47	0.22	8.03	0.58	99.5
	4	3.17	12.74	0.30	7.63	0.58	99.5
	2	2.90	11.85	0.29	7.10	0.54	99.5
	1	2.70	11.27	0.22	6.73	0.49	99.5
	0.5	2.47	10.28	0.27	6.16	0.46	99.5
	0.25	2.29	9.59	0.25	5.75	0.40	99.5
September	24	2.99	12.10	0.20	7.30	0.63	83.5
	16	2.86	11.44	0.21	6.85	0.76	83.5
	8	2.65	11.02	0.21	6.46	0.59	83.5
	4	2.46	10.45	0.26	6.09	0.57	83.5
	2	2.23	9.69	0.29	5.64	0.56	83.5
	1	2.06	9.20	0.23	5.32	0.50	83.5
	0.5	1.88	8.38	0.28	4.90	0.48	83.5
	0.25	1.75	7.79	0.23	4.57	0.43	83.5
October	24	2.54	12.66	0.25	6.52	0.71	96.8
	16	2.45	11.98	0.27	6.07	0.77	96.8
	8	2.25	11.60	0.24	5.69	0.63	96.8
	4	2.08	10.90	0.19	5.26	0.61	96.8
	2	1.88	9.98	0.28	4.77	0.58	96.8
	1	1.70	9.35	0.20	4.44	0.52	96.8
	0.5	1.55	8.77	0.26	4.04	0.49	96.8
	0.25	1.43	8.27	0.22	3.74	0.44	96.8
November	24	2.05	13.50	0.25	4.71	0.64	63.6
	16	2.01	12.72	0.32	4.47	0.71	63.6
	8	1.87	12.24	0.19	4.20	0.60	63.6
	4	1.71	11.55	0.20	3.83	0.57	63.6
	2	1.52	10.68	0.28	3.44	0.55	63.6
	1	1.38	10.18	0.25	3.20	0.51	63.6
	0.5	1.04	5.58	0.26	2.49	0.44	56.8
	0.25	1.13	8.74	0.22	2.67	0.38	63.6
December	24	2.81	17.69	0.27	5.27	0.70	67.7
	16	2.76	16.64	0.52	5.06	0.87	67.7
	8	2.56	15.60	0.24	4.70	0.74	67.7
	4	2.37	14.65	0.25	4.31	0.73	67.7
	2	2.13	13.60	0.38	3.87	0.69	67.7
	1	0	0	0	0	0	0
	0.5	0	0	0	0	0	0
	0.25	0	0	0	0	0	0

Table 5-3 Summary Temperature Data - January - December, 1995

Month	Tower Height (m)	Monthly			Mean Daily		% Data Recovery
		Mean	Max	Min	Max	Min	
January	24	5.18	16.81	-3.05	9.38	2.08	100.0
	16	5.24	16.87	-3.13	9.53	2.10	100.0
	8	5.56	17.38	-2.96	10.05	2.35	100.0
	4	5.06	16.94	-3.45	9.65	1.83	100.0
	2	5.09	17.11	-3.38	9.75	1.87	100.0
	1	4.93	17.00	-3.46	9.63	1.67	99.1
	0.5	4.67	16.56	-3.70	9.40	1.44	100.0
	0.25 soil	4.59	16.37	-3.65	9.31	1.40	100.0
February	24	9.53	22.93	-1.95	17.90	2.47	100.0
	16	9.33	23.00	-2.01	17.99	2.16	100.0
	8	9.38	23.58	-1.92	18.51	2.02	100.0
	4	8.69	23.16	-2.39	18.08	1.33	100.0
	2	8.62	23.31	-2.31	18.22	1.27	100.0
	1	8.41	23.17	-2.41	18.09	1.07	98.8
	0.5	8.09	22.99	-2.59	17.92	0.83	100.0
	0.25 soil	7.94	22.72	-2.53	17.79	0.79	100.0
March	24	9.45	21.8	-4.57	14.99	4.02	99.9
	16	9.44	21.91	-4.72	15.14	3.84	99.9
	8	9.71	22.48	-4.43	15.70	3.84	99.9
	4	9.15	22.09	-4.77	15.32	3.16	99.9
	2	9.15	22.28	-4.67	15.51	3.08	99.9
	1	8.92	22.17	-4.80	15.43	2.84	99.9
	0.5	8.69	22.03	-4.93	15.33	2.59	99.9
	0.25 soil	8.56	21.81	-4.86	15.30	2.49	99.9
April	24	12.78	25.52	0.40	18.84	6.54	99.7
	16	12.75	25.63	0.50	18.99	6.31	99.7
	8	13.02	26.24	0.30	19.61	6.22	99.7
	4	12.47	25.88	-0.35	19.30	5.44	99.7
	2	12.53	26.13	-0.41	19.59	5.30	99.7
	1	12.35	26.11	-0.68	19.64	5.00	99.7
	0.5	12.19	26.29	-0.89	19.67	4.76	99.7
	0.25 soil	12.13	26.50	-0.92	19.83	4.64	99.7
May	24	15.95	29.83	3.17	21.67	9.49	99.9
	16	15.92	29.92	3.05	21.82	9.25	99.9
	8	16.21	30.59	2.94	22.49	9.12	99.9
	4	15.68	30.33	2.45	22.21	8.40	99.9
	2	15.79	30.77	2.56	22.60	8.36	99.9
	1	15.67	31.02	2.46	22.76	8.13	99.9
	0.5	15.56	31.20	2.35	22.89	7.95	99.9
	0.25 soil	15.54	31.53	2.35	23.17	7.87	99.9

Table 5-3 Summary Temperature Data - January - December, 1995 Cont.

Month	Tower Height (m)	Monthly			Mean Daily		% Data Recovery
		Mean	Max	Min	Max	Min	
June	24	21.49	34.74	3.53	27.96	13.73	100.0
	16	21.36	34.83	3.48	28.06	13.33	100.0
	8	21.59	35.54	3.64	28.73	13.09	100.0
	4	21.00	35.32	3.10	28.45	12.12	100.0
	2	21.11	35.87	3.12	28.88	11.96	100.0
	1	20.99	36.11	2.93	29.09	11.66	100.0
	0.5	20.91	36.46	2.77	29.28	11.46	100.0
	0.25 soil	20.88	36.90	2.79	29.61	11.33	100.0
July	24	27.03	39.06	11.55	33.55	17.59	96.8
	16	26.76	39.13	10.66	33.59	16.99	96.8
	8	26.87	39.85	10.61	34.21	16.49	96.8
	4	26.16	39.59	9.93	33.88	15.39	96.8
	2	26.21	40.16	9.64	34.35	15.15	96.8
	1	26.02	40.49	9.15	34.58	14.78	96.8
	0.5	25.93	40.87	8.89	34.83	14.56	96.8
	0.25 soil	25.84	41.19	8.75	35.15	14.38	96.8
August	24	27.61	40.05	11.47	34.76	18.35	99.2
	16	27.30	39.94	10.57	34.79	17.70	99.2
	8	27.38	40.10	9.81	35.48	17.11	99.2
	4	26.65	39.94	8.86	35.22	16.03	99.2
	2	26.68	40.42	8.77	35.71	15.81	99.2
	1	25.43	39.14	7.54	34.57	14.70	99.2
	0.5	26.34	39.89	8.23	36.12	15.21	99.2
	0.25 soil	26.19	40.25	8.18	36.36	14.97	99.2
September	24	24.38	36.74	7.96	31.34	14.55	83.5
	16	24.02	36.73	7.53	31.34	13.89	83.5
	8	23.99	37.44	6.68	31.96	13.37	83.5
	4	23.19	37.13	5.71	31.62	12.35	83.5
	2	22.90	37.53	4.49	31.70	11.88	83.5
	1	21.72	35.88	4.10	30.69	10.80	83.5
	0.5	22.62	37.72	4.83	32.19	11.34	83.5
	0.25 soil	22.46	37.83	4.69	32.33	11.14	83.5
October	24	15.73	29.49	-2.30	25.12	6.49	96.6
	16	15.38	29.51	-3.25	25.18	5.77	96.6
	8	15.26	30.16	-4.07	25.82	5.17	96.6
	4	14.39	29.81	-5.03	25.46	4.17	96.6
	2	12.97	28.02	-5.89	24.12	3.01	96.6
	1	12.61	28.53	-5.99	24.20	2.59	96.6
	0.5	13.43	30.35	-6.11	25.69	3.11	96.6
	0.25 soil	13.21	30.41	-6.15	25.71	2.93	96.6

Table 5-3 Summary Temperature Data - January - December, 1995 Cont.

Month	Tower Height (m)	Monthly			Mean Daily		% Data Recovery
		Mean	Max	Min	Max	Min	
November	24	11.25	26.88	-5.84	18.67	3.01	63.6
	16	10.86	26.90	-6.76	18.67	2.33	63.6
	8	10.59	27.38	-7.48	19.05	1.62	63.6
	4	9.64	26.80	-8.48	18.49	0.39	63.6
	2	8.88	26.27	-8.91	18.01	-0.39	63.6
	1	7.95	25.42	-9.08	17.29	-1.23	63.6
	0.5	8.44	26.52	-9.28	18.25	-0.96	63.6
	0.25 soil	8.16	26.26	-9.26	18.14	-1.14	63.6
December	24	5.68	19.63	-8.77	11.80	-0.80	67.7
	16	5.47	19.76	-9.52	11.83	-1.31	67.7
	8	5.36	20.34	-9.94	12.19	-1.78	67.7
	4	4.51	19.93	-11.10	11.65	-2.79	67.7
	2	4.24	20.09	-11.63	11.69	-3.14	67.7
	1	3.22	18.80	-11.94	10.65	-3.82	67.7
	0.5	3.46	19.70	-12.29	11.19	-3.84	67.7
	0.25 soil	3.24	19.51	-12.35	11.05	-3.97	67.7

**Table 5-4 Summary of Relative Humidity, Radiation and
Barometric Pressure - January through December, 1995**

	January			February			March			April			May			June		
Relative Humidity (%)	16 m	4 m	1 m	16 m	4 m	1 m	16 m	4 m	1 m	16 m	4 m	1 m	16 m	4 m	1 m	16 m	4 m	1 m
Mean	80	83	84	58	63	66	58	62	64	40	42	43	42	43	43	27	28	27
Maximum	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	87	92	93
Minimum	28	29	29	13	13	14	10	10	11	8	8	7	11	11	10	5	5	4
Mean Daily Max	96	97	98	89	93	95	86	90	91	64	69	70	66	70	69	46	48	46
Mean Daily Min	56	58	59	25	27	28	32	33	34	20	20	20	22	22	20	13	13	12
Data Recovery (%)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Solar Radiation (W/m²)																		
Mean	90			181			207			272			287			331		
Maximum	643			793			938			1027			1165			1057		
Minimum	0			0			0			0			0			0		
Mean Daily Max	430			679			748			889			931			978		
Mean Daily Min	0			0			0			0			0			0		
Data Recovery (%)	100			100			100			100			100			100		
Net Radiation (W/m²)																		
Mean	38			87			74			63			73			81		
Maximum	490			538			541			472			595			415		
Minimum	-88			-112			-87			-85			-89			-102		
Mean Daily Max	274			450			390			350			368			380		
Mean Daily Min	-48			-75			-58			-67			-64			-71		
Data Recovery (%)	100			100			100			100			100			100		
Atmospheric Pressure (mb)																		
Mean	909			910			907			904			903			904		
Maximum	920			921			916			915			910			912		
Minimum	894			891			895			895			890			894		
Mean Daily Max	912			912			909			907			905			906		
Mean Daily Min	907			907			904			901			900			901		
Data Recovery (%)	100			100			100			100			100			100		

**Table 5-4 Summary of Relative Humidity, Radiation and
Barometric Pressure - January through December, 1995 Con't.**

	July			August			September			October			November			December		
Relative Humidity (%)	16 m	4 m	1 m	16 m	4 m	1 m	16 m	4 m	1 m	16 m	4 m	1 m	16 m	4 m	1 m	16 m	4 m	1 m
Mean	19	19	18	22	22	21	20	20	19	22	21	20	33	33	32	45	45	43
Maximum	88	89	91	92	92	95	59	60	60	71	69	64	76	80	78	88	91	92
Minimum	4	4	3	4	4	3	6	6	5	6	6	5	9	8	8	12	12	11
Mean Daily Max	31	31	30	35	36	34	31	31	28	33	32	29	47	46	43	59	58	56
Mean Daily Min	10	10	9	12	11	11	12	12	11	12	12	11	21	21	20	29	29	28
Data Recovery (%)	97	97	97	99	99	99	84	84	84	97	97	97	64	64	64	68	68	68
Solar Radiation (W/m²)																		
Mean			339			301			267			147			125			92
Maximum			1030			1049			942			805			525			553
Minimum			0			0			0			0			0			0
Mean Daily Max			948			935			794			500			411			360
Mean Daily Min			0			0			0			0			0			0
Data Recovery (%)			97			99			84			97			64			68
Net Radiation (W/m²)																		
Mean			89			63			35			22			15			5
Maximum			505			416			316			264			211			188
Minimum			-87			-100			-84			-80			-59			-57
Mean Daily Max			387			342			237			218			150			111
Mean Daily Min			-69			-75			-71			-59			-47			-39
Data Recovery (%)			97			99			84			97			64			68
Atmospheric Pressure (mb)																		
Mean			905			902			905			908			910			910
Maximum			911			912			911			916			918			917
Minimum			899			423			899			897			897			899
Mean Daily Max			907			906			907			910			913			912
Mean Daily Min			903			871			903			905			908			908
Data Recovery (%)			97			100			84			97			64			68

6.0 STABILITY CALCULATIONS

Pasquill Gifford Stability Classes were calculated using the Yamartino Sigma Theta method (EPA, 1990) to look at diurnal stability trends at the STF. Tower data were also used to calculate Richardson Numbers (Ri) and corresponding Monin-Obukhov lengths (L) for 3 different height intervals, as described in the following paragraphs.

Richardson number (Ri) is defined according to equation 2-1,

$$Ri = \frac{g}{\theta} \left(\frac{\partial \theta}{\partial z} \right) / \left(\frac{\partial u}{\partial z} \right)^2 \quad (2-1)$$

where,

- g = 9.8 m/sec²
- θ = potential temperature (°K)
- u = wind speed (mps)
- z = height (m)

or, in the finite difference form, according to equation 2-2.

$$Ri = \frac{g}{\theta_1} \frac{(\theta_2 - \theta_1)}{(u_2 - u_1)^2} (z_2 - z_1) \quad (2-2)$$

where,

- θ_1, u_1 = potential temperature (°K) and wind speed (mps) at height z_1
- θ_2, u_2 = potential temperature (°K) and wind speed (mps) at height z_2
- z_1 = height of lower level
- z_2 = height of upper level

Golder (1972) gives curves that relate Pasquill stability classes to the Monin-Obukhov length L and the roughness length z_0 . Extrapolation of Golder's curves to $z_0 = 0.2$ mm, the approximate roughness length at the STF, gives the relationships shown in Table 6-1. Ri was calculated from profile laws given by Högström (1988) using 3 different tower intervals and used to calculate corresponding values of L. These may be used to assign stability classes according to Ri based on these three levels. Ri stability classes include the "extremely stable" G (class 7) category.

Table 6-1
Stability Classes Based on Monin-Obukhov
Length (L) and Richardson Number (Ri)

Stability Class	L (m)	Ri (0.25 - 2.0 m)	Ri (0.5 - 4.0 m)	Ri (2.0 - 16.0 m)
A	$-5 \leq L < 0$	$Ri \leq -0.2$	$Ri \leq -0.4$	$Ri \leq -1.6$
B	$-10 \leq L < -5$	$-0.2 < Ri \leq -0.1$	$-0.4 < Ri \leq -0.2$	$-1.6 < Ri \leq -0.8$
C	$-20 \leq L < -10$	$-0.1 < Ri \leq -0.05$	$-0.2 < Ri \leq -0.1$	$-0.8 < Ri \leq -0.4$
D	$L < -20, L \geq +15$	$-0.05 < Ri \leq +0.05$	$-0.1 < Ri \leq +0.09$	$-0.4 < Ri \leq +0.2$
E	$+5 \leq L < +15$	$+0.05 < Ri \leq +0.12$	$+0.09 < Ri \leq +0.18$	$+0.2 < Ri \leq +0.28$
F	$+1.7 \leq L < +5$	$+0.12 < Ri \leq +0.21$	$+0.18 < Ri \leq +0.26$	$+0.28 < Ri \leq +0.315$
G	$0 \leq L < +1.7$	$Ri > +0.21$	$Ri > +0.26$	$Ri > 0.315$

Tabulations of the Pasquill-Gifford stability classes estimated using the Yamartino Sigma Theta method, of Ri calculated from equation 2-1, and of value of L based on Högström (1988) profile laws, are provided in Appendix D. Values of L tabulated in Appendix D are given as $< 4z_1$ (where z_1 is the lower level) when $Ri > 0.25$. This was done to eliminate artificial values of L when Ri approaches its critical value, $Ri_c \sim 0.3385$. At supercritical values of Ri, stability suppresses turbulence to the point that turbulence is no longer the primary mechanism for transfer of heat and momentum, and profile laws are no longer valid.

Table 6-1 could be used to assign stability classes according to Ri and L. However, it should be noted that stability classes based on Ri are very susceptible to biases in temperature measurements at the two levels. Biases of the magnitude of those suspected in Table 4-2 could cause a reversal of the sign of the temperature gradient, and a corresponding change from Class 6 to Class 1, or vice versa, during low wind speeds. Appendix D includes tabulations of temperature differences between the two and sixteen meter tower levels as an aid to identify hours for which $\theta_2 - \theta_1$ in equation 2-2 may be close to an uncertainty level suggested by Table 4-2.

7.0 REFERENCES

Desert Research Institute and Western Research Institute, 1993: "Quality Assurance Project Plan Operation of the STF 24 Meter Meteorological Tower." DRI Document No. 94-3304.D2, Desert Research Institute, Reno, Nevada

Desert Research Institute and Western Research Institute, 1994: "Characterization of Carbon Dioxide Releases Under Stable Meteorological Conditions." DRI Document No. 93-3305.3D1, Desert Research Institute, Reno, Nevada.

Environmental Protection Agency, 1987: "On-Site Meteorological Program Guidance for Regulatory Modeling Applications." EPA-450/4-87-013, June 1987, with February, 1993 revisions. OAQPS, U.S.EPA, Research Triangle Park, North Carolina 27711.

Environmental Protection Agency, 1990: "Guidelines on Air Quality Models, with Supplements A and B." EPA-450/2-78-027r. OAQPS, U.S.EPA, Research Triangle Park, North Carolina 27711.

Golder, D. 1972: "Relations Among Stability Parameters in the Surface Layer." *Boundary Layer Meteorol.*, **3**, 47-58.

Högström, U., 1988: "Non-Dimensional Wind and Temperature Profiles in the Atmospheric Surface Layer: A Re-Evaluation." *Boundary Layer Meteorol.*, **42**, 55-78.

APPENDICES

Appendix A	Selected Time Series Plots, Two and Eight Meters
Appendix B	Monthly Wind Roses, Two and Eight Meters
Appendix C	Monthly Wind Frequency Distributions, Two and Eight Meters
Appendix D	Tabulated Hourly Richardson Numbers, Monin-Obukhov Lengths Estimated from Richardson Numbers, Temperature Differences Two to Sixteen Meters, and Sigma Theta Stability Classes

APPENDIX A: TIME SERIES PLOTS --15 MINUTE AVERAGES

Each Month, January - December, 1995

1. Two Meter Air Temperature
2. Eight Meter Air Temperature
3. Temperature Difference, Two to Sixteen Meter
4. Solar Radiation
5. Net Radiation
6. Two Meter Wind Speed / Wind Direction
7. Eight Meter Wind Speed / Wind Direction

2 METER TEMPERATURE

8 METER TEMPERATURE

TEMPERATURE DIFFERENCE, 2 TO 16 METER

SOLAR RADIATION

NET RADIATION

2 METER

8 METER

2 METER TEMPERATURE

8 METER TEMPERATURE

TEMPERATURE DIFFERENCE, 2 TO 16 METER

SOLAR RADIATION

NET RADIATION

2 METER

8 METER

2 METER TEMPERATURE

8 METER TEMPERATURE

TEMPERATURE DIFFERENCE, 2 TO 16 METER

SOLAR RADIATION

Mar-95

NET RADIATION

Mar-95

2 METER

8 METER

2 METER TEMPERATURE

8 METER TEMPERATURE

TEMPERATURE DIFFERENCE, 2 TO 16 METER

SOLAR RADIATION

NET RADIATION

2 METER

8 METER

2 METER TEMPERATURE

8 METER TEMPERATURE

TEMPERATURE DIFFERENCE, 2 TO 16 METER

SOLAR RADIATION

NET RADIATION

2 METER

8 METER

2 METER TEMPERATURE

8 METER TEMPERATURE

TEMPERATURE DIFFERENCE, 2 TO 16 METER

SOLAR RADIATION

NET RADIATION

2 METER

8 METER

2 METER TEMPERATURE

8 METER TEMPERATURE

TEMPERATURE DIFFERENCE, 2 TO 16 METER

SOLAR RADIATION

NET RADIATION

2 METER

8 METER

2 METER TEMPERATURE

8 METER TEMPERATURE

TEMPERATURE DIFFERENCE, 2 TO 16 METER

SOLAR RADIATION

NET RADIATION

2 METER

8 METER

2 METER TEMPERATURE

8 METER TEMPERATURE

TEMPERATURE DIFFERENCE, 2 TO 16 METER

SOLAR RADIATION

NET RADIATION

2 METER

8 METER

2 METER TEMPERATURE

8 METER TEMPERATURE

TEMPERATURE DIFFERENCE, 2 TO 16 METER

2 METER

8 METER

2 METER TEMPERATURE

8 METER TEMPERATURE

TEMPERATURE DIFFERENCE, 2 TO 16 METER

SOLAR RADIATION

NET RADIATION

2 METER

8 METER

2 METER TEMPERATURE

8 METER TEMPERATURE

TEMPERATURE DIFFERENCE, 2 TO 16 METER

2 METER

8 METER

APPENDIX B: MONTHLY WIND ROSES, TWO AND EIGHT METERS

Two Meters

1-12	Total Hours (0000-2400), January-December, 1995
13-24	Morning Transition (0600-1000), January-December, 1995
25-36	Late Mid-day (1000-1600), January-December, 1995
37-48	Evening Transition (1600-2000), January-December, 1995
49-60	Night Time (2000-0600), January-December, 1995
61-72	All Stability Class A, January-December, 1995
73-84	All Stability Class B, January-December, 1995
85-96	All Stability Class C, January-December, 1995
97-108	All Stability Class D, January-December, 1995
109-120	All Stability Class E, January-December, 1995
121-132	All Stability Class F, January-December, 1995

Eight Meters

133-144	Total Hours (0000-2400),
145-156	Morning Transition (0600-1000), January-December, 1995
157-168	Late Mid-day (1000-1600), January-December, 1995
169-180	Evening Transition (1600-2000), January-December, 1995
181-192	Night Time (2000-0600), January-December, 1995
193-204	All Stability Class A, January-December, 1995
205-216	All Stability Class B, January-December, 1995
217-228	All Stability Class C, January-December, 1995

APPENDIX B: MONTHLY WIND ROSES, TWO AND EIGHT METERS (con't.)

229-240	All Stability Class D, January-December, 1995
241-252	All Stability Class E, January-December, 1995
253-264	All Stability Class F, January-December, 1995

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS ≤ .5
1		.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	0	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<= .5
1		.5< WS	<= 1.8
2	□	1.8< WS	<= 3.3
3	▢	3.3< WS	<= 5.4
4	▣	5.4< WS	<= 8.5
5	▤	8.5< WS	<= 10.8
6	▥	10.8< WS	

100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1		.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▣	3.3 < WS <= 5.4
4	▤	5.4 < WS <= 8.5
5	▥	8.5 < WS <= 10.8
6	▦	10.8 < WS

96.9% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

99.5% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

83.5% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	0	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

96.8% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

63.6% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995

0 - 2400

N

12.7%
10%

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▣	3.3< WS	<=	5.4
4	▤	5.4< WS	<=	8.5
5	▥	8.5< WS	<=	10.8
6	▦	10.8< WS		

67.7% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

1/ 1/1995 - 1/31/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

2/ 1/1995 - 2/28/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

3/ 1/1995 - 3/31/1995

600 - 1000

N

14.2%

10%

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▣	3.3< WS	<=	5.4
4	▤	5.4< WS	<=	8.5
5	▥	8.5< WS	<=	10.8
6	▦	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

4/ 1/1995 - 4/30/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

5/ 1/1995 - 5/31/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

6/ 1/1995 - 6/30/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	0	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

7/ 1/1995 - 7/31/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

96.9% DATA RECOVERED

OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

8/ 1/1995 - 8/31/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

99.5% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

9/ 1/1995 - 9/30/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1		.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

83.5% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

10/ 1/1995 - 10/31/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

96.8% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

11/ 1/1995 - 11/30/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1	I	.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

63.6% DATA RECOVERED
OF WHICH 20.7% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

12/ 1/1995 - 12/31/1995

600 - 1000

N

14.3%
10%

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

67.7% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

1/ 1/1995 - 1/31/1995

1000 - 1500

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

2/ 1/1995 - 2/28/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

3/ 1/1995 - 3/31/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1		.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

4/ 1/1995 - 4/30/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

5/ 1/1995 - 5/31/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1	I	.5<	WS	<= 1.8
2	□	1.8<	WS	<= 3.3
3	▢	3.3<	WS	<= 5.4
4	▣	5.4<	WS	<= 8.5
5	▤	8.5<	WS	<= 10.8
6	▥	10.8<	WS	

100.0% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

6/ 1/1995 - 6/30/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1		.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

7/ 1/1995 - 7/31/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM o WS <= .5

1 | .5< WS <= 1.8

2 □ 1.8< WS <= 3.3

3 ▢ 3.3< WS <= 5.4

4 ▣ 5.4< WS <= 8.5

5 ▤ 8.5< WS <= 10.8

6 ▥ 10.8< WS

96.9% DATA RECOVERED

OF WHICH 29.1% IS

REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

8/ 1/1995 - 8/31/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

99.5% DATA RECOVERED
OF WHICH 28.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

9/ 1/1995 - 9/30/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 ▢ 3.3< WS <= 5.4
 4 ▨ 5.4< WS <= 8.5
 5 ▩ 8.5< WS <= 10.8
 6 ▪ 10.8< WS

83.5% DATA RECOVERED
 OF WHICH 29.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

10/ 1/1995 - 10/31/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

96.8% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

11/ 1/1995 - 11/30/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

63.6% DATA RECOVERED
OF WHICH 29.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

12/ 1/1995 - 12/31/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	0	WS ≤ 0.5
1	I	0.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

67.7% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

1/ 1/1995 - 1/31/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

2/ 1/1995 - 2/28/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1	!	.5<	WS	<= 1.8
2	□	1.8<	WS	<= 3.3
3	▢	3.3<	WS	<= 5.4
4	▣	5.4<	WS	<= 8.5
5	▤	8.5<	WS	<= 10.8
6	▥	10.8<	WS	

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

3/ 1/1995 - 3/31/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<= .5
1		.5< WS	<= 1.8
2	□	1.8< WS	<= 3.3
3	▢	3.3< WS	<= 5.4
4	▣	5.4< WS	<= 8.5
5	▤	8.5< WS	<=10.8
6	▥	10.8< WS	

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

4/ 1/1995 - 4/30/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

5/ 1/1995 - 5/31/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▣	3.3< WS	<=	5.4
4	▤	5.4< WS	<=	8.5
5	▥	8.5< WS	<=	10.8
6	▦	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

6/ 1/1995 - 6/30/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

7/ 1/1995 - 7/31/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

96.9% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

8/ 1/1995 - 8/31/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▣	3.3< WS	<=	5.4
4	▤	5.4< WS	<=	8.5
5	▥	8.5< WS	<=	10.8
6	▦	10.8< WS		

99.5% DATA RECOVERED
OF WHICH 20.9% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

9/ 1/1995 - 9/30/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

83.5% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

10/ 1/1995 - 10/31/1995

1600 - 2000

N

21.3%
10% 20%

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

96.8% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

11/ 1/1995 - 11/30/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	0	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

63.6% DATA RECOVERED
OF WHICH 20.7% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

12/ 1/1995 - 12/31/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

67.7% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

1/ 1/1995 - 1/31/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<= .5
1	I	.5< WS	<= 1.8
2	□	1.8< WS	<= 3.3
3	▢	3.3< WS	<= 5.4
4	▣	5.4< WS	<= 8.5
5	▤	8.5< WS	<= 10.8
6	▥	10.8< WS	

100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

2/ 1/1995 - 2/28/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

3/ 1/1995 - 3/31/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1		.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

4/ 1/1995 - 4/30/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

5/ 1/1995 - 5/31/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

6/ 1/1995 - 6/30/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5<	WS	<= 1.8
2	□	1.8<	WS	<= 3.3
3	▢	3.3<	WS	<= 5.4
4	▣	5.4<	WS	<= 8.5
5	▤	8.5<	WS	<= 10.8
6	▥	10.8<	WS	

100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

7/ 1/1995 - 7/31/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

96.9% DATA RECOVERED
OF WHICH 45.9% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

8/ 1/1995 - 8/31/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		5<	WS	<= 1.8
2	□	1.8<	WS	<= 3.3
3	▢	3.3<	WS	<= 5.4
4	▣	5.4<	WS	<= 8.5
5	▤	8.5<	WS	<=10.8
6	▥	10.8<	WS	

99.5% DATA RECOVERED
OF WHICH 46.1% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

9/ 1/1995 - 9/30/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

83.5% DATA RECOVERED
OF WHICH 45.9% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

10/ 1/1995 - 10/31/1995

2000 - 600

N

11.8%
10%

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

96.8% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

11/ 1/1995 - 11/30/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1	I	.5<	WS	<= 1.8
2	□	1.8<	WS	<= 3.3
3	▢	3.3<	WS	<= 5.4
4	▣	5.4<	WS	<= 8.5
5	▤	8.5<	WS	<= 10.8
6	▥	10.8<	WS	

63.6% DATA RECOVERED
OF WHICH 46.1% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time
12/ 1/1995 - 12/31/1995
2000 - 600

N

WIND SPEED CLASSES (MPS)
CALM o WS <= .5
1 | .5 < WS <= 1.8
2 □ 1.8 < WS <= 3.3
3 ▢ 3.3 < WS <= 5.4
4 ▣ 5.4 < WS <= 8.5
5 ▤ 8.5 < WS <= 10.8
6 ▥ 10.8 < WS

67.7% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 2 METER HEIGHT - Total Hours
 1/ 1/1995 - 1/31/1995
 0 - 2400

N

14.2%
 10%

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 I .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 14.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 2 METER HEIGHT - Total Hours
 2/ 1/1995 - 2/28/1995
 0 - 2400

N

11.0%
 10%

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 I .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 16.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS A

2 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 16.7% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 2 METER HEIGHT - Total Hours
 4/ 1/1995 - 4/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 ▢ 3.3< WS <= 5.4
 4 ▣ 5.4< WS <= 8.5
 5 ▤ 8.5< WS <= 10.8
 6 ▥ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 13.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 2 METER HEIGHT - Total Hours
 5/ 1/1995 - 5/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▣ 5.4 < WS <= 8.5
 5 ▤ 8.5 < WS <= 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 15.9% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 2 METER HEIGHT - Total Hours
 6/ 1/1995 - 6/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▣ 5.4 < WS <= 8.5
 5 ▤ 8.5 < WS <= 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 21.0% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 2 METER HEIGHT - Total Hours
 7/ 1/1995 - 7/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▣	3.3< WS	<=	5.4
4	▤	5.4< WS	<=	8.5
5	▥	8.5< WS	<=	10.8
6	▦	10.8< WS		

96.9% DATA RECOVERED
 OF WHICH 16.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 2 METER HEIGHT - Total Hours
 8/ 1/1995 - 8/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <=10.8
 6 □□□□□ 10.8< WS

99.5% DATA RECOVERED
 OF WHICH 14.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 2 METER HEIGHT - Total Hours
 9/ 1/1995 - 9/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 □□ 3.3 < WS ≤ 5.4
 4 □□□ 5.4 < WS ≤ 8.5
 5 □□□□ 8.5 < WS ≤ 10.8
 6 □□□□□ 10.8 < WS

83.5% DATA RECOVERED
 OF WHICH 19.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 2 METER HEIGHT - Total Hours
 10/ 1/1995 - 10/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

96.8% DATA RECOVERED
 OF WHICH 19.6% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 2 METER HEIGHT - Total Hours
 11/ 1/1995 - 11/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 I .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ■ 3.3 < WS <= 5.4
 4 ■■ 5.4 < WS <= 8.5
 5 ■■■ 8.5 < WS <= 10.8
 6 ■■■■ 10.8 < WS

63.6% DATA RECOVERED
 OF WHICH 16.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 2 METER HEIGHT - Total Hours
 12/ 1/1995 - 12/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	0	WS ≤ .5
1	I	.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

67.7% DATA RECOVERED
 OF WHICH 11.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 2 METER HEIGHT - Total Hours
 1/ 1/1995 - 1/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM ○ WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 4.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 2 METER HEIGHT - Total Hours
 2/ 1/1995 - 2/28/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 5.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 2 METER HEIGHT - Total Hours
 3/ 1/1995 - 3/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 3.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 2 METER HEIGHT - Total Hours
 4/ 1/1995 - 4/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 4.9% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 2 METER HEIGHT - Total Hours
 5/ 1/1995 - 5/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▣	3.3 < WS <= 5.4
4	▤	5.4 < WS <= 8.5
5	▥	8.5 < WS <= 10.8
6	▦	10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 7.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 2 METER HEIGHT - Total Hours
 6/ 1/1995 - 6/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 6.7% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 2 METER HEIGHT - Total Hours
 7/ 1/1995 - 7/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 ▢ 3.3< WS <= 5.4
 4 ▣ 5.4< WS <= 8.5
 5 ▤ 8.5< WS <= 10.8
 6 ▥ 10.8< WS

96.9% DATA RECOVERED
 OF WHICH 4.4% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 2 METER HEIGHT - Total Hours
 8/ 1/1995 - 8/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 ■ 3.3< WS <= 5.4
 4 ■■ 5.4< WS <= 8.5
 5 ■■■ 8.5< WS <= 10.8
 6 ■■■■ 10.8< WS

99.5% DATA RECOVERED
 OF WHICH 3.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 2 METER HEIGHT - Total Hours
 9/ 1/1995 - 9/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 I .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

83.5% DATA RECOVERED
 OF WHICH 4.0% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 2 METER HEIGHT - Total Hours
 10/ 1/1995 - 10/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM ○ WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

96.8% DATA RECOVERED
 OF WHICH 3.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 2 METER HEIGHT - Total Hours
 11/ 1/1995 - 11/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▣ 5.4 < WS <= 8.5
 5 ▤ 8.5 < WS <= 10.8
 6 ▥ 10.8 < WS

63.6% DATA RECOVERED
 OF WHICH 5.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 2 METER HEIGHT - Total Hours
 12/ 1/1995 - 12/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

67.7% DATA RECOVERED
 OF WHICH 3.6% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 2 METER HEIGHT - Total Hours
 1/ 1/1995 - 1/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 5.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 2 METER HEIGHT - Total Hours
 2/ 1/1995 - 2/28/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 4.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 2 METER HEIGHT - Total Hours
 3/ 1/1995 - 3/31/1995
 0 - 2400

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 4.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 2 METER HEIGHT - Total Hours
 4/ 1/1995 - 4/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 ▢ 3.3< WS <= 5.4
 4 ▣ 5.4< WS <= 8.5
 5 ▤ 8.5< WS <= 10.8
 6 ▥ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 7.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 2 METER HEIGHT - Total Hours
 5/ 1/1995 - 5/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▣ 5.4 < WS <= 8.5
 5 ▤ 8.5 < WS <= 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 10.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 2 METER HEIGHT - Total Hours
 6/ 1/1995 - 6/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 7.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 2 METER HEIGHT - Total Hours
 7/ 1/1995 - 7/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

96.9% DATA RECOVERED
 OF WHICH 6.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 2 METER HEIGHT - Total Hours
 8/ 1/1995 - 8/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 ■ 3.3< WS <= 5.4
 4 ■■ 5.4< WS <= 8.5
 5 ■■■ 8.5< WS <= 10.8
 6 ■■■■ 10.8< WS

99.5% DATA RECOVERED
 OF WHICH 4.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS C

2 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

83.5% DATA RECOVERED
OF WHICH 5.5% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 2 METER HEIGHT - Total Hours
 10/ 1/1995 - 10/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	0	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

96.8% DATA RECOVERED
 OF WHICH 4.7% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS C

2 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

63.6% DATA RECOVERED
OF WHICH 5.5% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 2 METER HEIGHT - Total Hours
 12/ 1/1995 - 12/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM ○ WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

67.7% DATA RECOVERED
 OF WHICH 3.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 2 METER HEIGHT - Total Hours
 1/ 1/1995 - 1/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 26.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 2 METER HEIGHT - Total Hours
 2/ 1/1995 - 2/28/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▣ 5.4 < WS <= 8.5
 5 ▤ 8.5 < WS <= 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 17.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 2 METER HEIGHT - Total Hours
 3/ 1/1995 - 3/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	0	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 31.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 2 METER HEIGHT - Total Hours
 4/ 1/1995 - 4/30/1995
 0 - 2400

N

10% 20% 29.1%

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 ■ 3.3< WS <= 5.4
 4 ■■ 5.4< WS <= 8.5
 5 ■■■ 8.5< WS <= 10.8
 6 ■■■■ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 36.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 2 METER HEIGHT - Total Hours
 5/ 1/1995 - 5/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 28.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 2 METER HEIGHT - Total Hours
 6/ 1/1995 - 6/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 32.4% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS D

2 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

96.9% DATA RECOVERED
OF WHICH 29.3% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 2 METER HEIGHT - Total Hours
 8/ 1/1995 - 8/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

99.5% DATA RECOVERED
 OF WHICH 34.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS D

2 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM 0 WS <= .5

1 | .5 < WS <= 1.8

2 □ 1.8 < WS <= 3.3

3 □□ 3.3 < WS <= 5.4

4 □□□ 5.4 < WS <= 8.5

5 □□□□ 8.5 < WS <= 10.8

6 □□□□□ 10.8 < WS

83.5% DATA RECOVERED

OF WHICH 24.6% IS

REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 2 METER HEIGHT - Total Hours
 10/ 1/1995 - 10/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

96.8% DATA RECOVERED
 OF WHICH 19.6% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 2 METER HEIGHT - Total Hours
 11/ 1/1995 - 11/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

63.6% DATA RECOVERED
 OF WHICH 14.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 2 METER HEIGHT - Total Hours
 12/ 1/1995 - 12/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

67.7% DATA RECOVERED
 OF WHICH 24.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 2 METER HEIGHT - Total Hours
 1/ 1/1995 - 1/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 12.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 2 METER HEIGHT - Total Hours
 2/ 1/1995 - 2/28/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▣ 5.4 < WS <= 8.5
 5 ▤ 8.5 < WS <= 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 7.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 2 METER HEIGHT - Total Hours
 3/ 1/1995 - 3/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 8.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 2 METER HEIGHT - Total Hours
 4/ 1/1995 - 4/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▣ 5.4 < WS <= 8.5
 5 ▤ 8.5 < WS <= 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 7.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS E

2 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 7.1% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 2 METER HEIGHT - Total Hours
 6/ 1/1995 - 6/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 ▢ 3.3< WS <= 5.4
 4 ▣ 5.4< WS <= 8.5
 5 ▤ 8.5< WS <= 10.8
 6 ▥ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 5.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 2 METER HEIGHT - Total Hours
 7/ 1/1995 - 7/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM ○ WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

96.9% DATA RECOVERED
 OF WHICH 7.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 2 METER HEIGHT - Total Hours
 8/ 1/1995 - 8/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

99.5% DATA RECOVERED
 OF WHICH 6.4% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 2 METER HEIGHT - Total Hours
 9/ 1/1995 - 9/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

83.5% DATA RECOVERED
 OF WHICH 5.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 2 METER HEIGHT - Total Hours
 10/ 1/1995 - 10/31/1995
 0 - 2400

N

10% 19.0%

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

96.8% DATA RECOVERED
 OF WHICH 5.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 2 METER HEIGHT - Total Hours
 11/ 1/1995 - 11/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

63.6% DATA RECOVERED
 OF WHICH 5.0% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 2 METER HEIGHT - Total Hours
 12/ 1/1995 - 12/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

67.7% DATA RECOVERED
 OF WHICH 6.9% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 2 METER HEIGHT - Total Hours
 1/ 1/1995 - 1/31/1995
 0 - 2400

N

10.3%
 10%

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 37.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 2 METER HEIGHT - Total Hours
 2/ 1/1995 - 2/28/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 50.0% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS F

2 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 35.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 2 METER HEIGHT - Total Hours
 4/ 1/1995 - 4/30/1995
 0 - 2400

N

11.6%
 10%

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 29.9% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 2 METER HEIGHT - Total Hours
 5/ 1/1995 - 5/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 30.9% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 2 METER HEIGHT - Total Hours
 6/ 1/1995 - 6/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 ▢ 3.3< WS <= 5.4
 4 ▣ 5.4< WS <= 8.5
 5 ▤ 8.5< WS <= 10.8
 6 ▥ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 26.9% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 2 METER HEIGHT - Total Hours
 7/ 1/1995 - 7/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

96.9% DATA RECOVERED
 OF WHICH 36.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 2 METER HEIGHT - Total Hours
 8/ 1/1995 - 8/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	0	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

99.5% DATA RECOVERED
 OF WHICH 37.6% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 2 METER HEIGHT - Total Hours
 9/ 1/1995 - 9/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

83.5% DATA RECOVERED
 OF WHICH 40.6% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 2 METER HEIGHT - Total Hours
 10/ 1/1995 - 10/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

96.8% DATA RECOVERED
 OF WHICH 46.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 2 METER HEIGHT - Total Hours
 11/ 1/1995 - 11/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM ○ WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

63.6% DATA RECOVERED
 OF WHICH 53.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 2 METER HEIGHT - Total Hours
 12/ 1/1995 - 12/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	0	WS ≤ .5
1	I	.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

67.7% DATA RECOVERED
 OF WHICH 50.0% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM 0 WS <= .5

1 | .5 < WS <= 1.8

2 □ 1.8 < WS <= 3.3

3 □□ 3.3 < WS <= 5.4

4 □□□ 5.4 < WS <= 8.5

5 □□□□ 8.5 < WS <= 10.8

6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED

OF WHICH 100.0% IS

REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1		.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▣	3.3 < WS <= 5.4
4	▤	5.4 < WS <= 8.5
5	▥	8.5 < WS <= 10.8
6	▦	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

96.9% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	0	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

99.5% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

83.5% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1		.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

96.8% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▣	3.3< WS	<=	5.4
4	▤	5.4< WS	<=	8.5
5	▥	8.5< WS	<=	10.8
6	▦	10.8< WS		

63.6% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

67.7% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

1/ 1/1995 - 1/31/1995

600 - 1000

N

11 0%
10%

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1		.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

2/ 1/1995 - 2/28/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

3/ 1/1995 - 3/31/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1		.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

4/ 1/1995 - 4/30/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

5/ 1/1995 - 5/31/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

6/ 1/1995 - 6/30/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

7/ 1/1995 - 7/31/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

96.9% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

8/ 1/1995 - 8/31/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	0	WS	<= .5
1	I	.5< WS	<= 1.8
2	□	1.8< WS	<= 3.3
3	▢	3.3< WS	<= 5.4
4	▣	5.4< WS	<= 8.5
5	▤	8.5< WS	<= 10.8
6	▥	10.8< WS	

99.5% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

9/ 1/1995 - 9/30/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

83.5% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

10/ 1/1995 - 10/31/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

96.8% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

11/ 1/1995 - 11/30/1995

600 - 1000

N

9.5%

WIND SPEED CLASSES (MPS)

CALM	0	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

63.6% DATA RECOVERED
OF WHICH 20.7% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

12/ 1/1995 - 12/31/1995

600 - 1000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

67.7% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

1/ 1/1995 - 1/31/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	0	WS ≤ .5
1	I	.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

2/ 1/1995 - 2/28/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▣	3.3< WS	<=	5.4
4	▤	5.4< WS	<=	8.5
5	▥	8.5< WS	<=	10.8
6	▦	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

3/ 1/1995 - 3/31/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

4/ 1/1995 - 4/30/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM o WS <= .5

1 | .5 < WS <= 1.8

2 □ 1.8 < WS <= 3.3

3 ▢ 3.3 < WS <= 5.4

4 ▣ 5.4 < WS <= 8.5

5 ▤ 8.5 < WS <= 10.8

6 ▥ 10.8 < WS

100.0% DATA RECOVERED

OF WHICH 29.2% IS

REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

5/ 1/1995 - 5/31/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5<	WS	<= 1.8
2	□	1.8<	WS	<= 3.3
3	▢	3.3<	WS	<= 5.4
4	▣	5.4<	WS	<= 8.5
5	▤	8.5<	WS	<= 10.8
6	▥	10.8<	WS	

100.0% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

6/ 1/1995 - 6/30/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5<	WS	<= 1.8
2	□	1.8<	WS	<= 3.3
3	▢	3.3<	WS	<= 5.4
4	▣	5.4<	WS	<= 8.5
5	▤	8.5<	WS	<= 10.8
6	▥	10.8<	WS	

100.0% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

7/ 1/1995 - 7/31/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1		.5 < WS ≤ 1.8
2	■	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

96.9% DATA RECOVERED
OF WHICH 29.1% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

8/ 1/1995 - 8/31/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

99.5% DATA RECOVERED
OF WHICH 28.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

9/ 1/1995 - 9/30/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

83.5% DATA RECOVERED
OF WHICH 29.1% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

10/ 1/1995 - 10/31/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	0	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

96.8% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

11/ 1/1995 - 11/30/1995

1000 - 1600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5<	WS	<= 1.8
2	□	1.8<	WS	<= 3.3
3	▢	3.3<	WS	<= 5.4
4	▣	5.4<	WS	<= 8.5
5	▤	8.5<	WS	<=10.8
6	▥	10.8<	WS	

63.6% DATA RECOVERED
OF WHICH 29.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day
12/ 1/1995 - 12/31/1995
1000 - 1600

N

WIND SPEED CLASSES (MPS)
CALM o WS <= .5
1 | .5< WS <= 1.8
2 □ 1.8< WS <= 3.3
3 □□ 3.3< WS <= 5.4
4 □□□ 5.4< WS <= 8.5
5 □□□□ 8.5< WS <= 10.8
6 □□□□□ 10.8< WS

67.7% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

1/ 1/1995 - 1/31/1995

1600 - 2000

N

11.6%
10%

WIND SPEED CLASSES (MPS)

CALM	0	WS	<= .5
1	I	.5 < WS	<= 1.8
2	□	1.8 < WS	<= 3.3
3	▣	3.3 < WS	<= 5.4
4	▤	5.4 < WS	<= 8.5
5	▥	8.5 < WS	<= 10.8
6	▦	10.8 < WS	

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

2/ 1/1995 - 2/28/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<= .5
1		.5< WS	<= 1.8
2	□	1.8< WS	<= 3.3
3	▣	3.3< WS	<= 5.4
4	▤	5.4< WS	<= 8.5
5	▥	8.5< WS	<= 10.8
6	▦	10.8< WS	

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

3/ 1/1995 - 3/31/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	0	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

4/ 1/1995 - 4/30/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

5/ 1/1995 - 5/31/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

6/ 1/1995 - 6/30/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

7/ 1/1995 - 7/31/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

96.9% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

8/ 1/1995 - 8/31/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	0	WS	<=	.5
1		.5<	WS	<= 1.8
2	□	1.8<	WS	<= 3.3
3	▢	3.3<	WS	<= 5.4
4	▣	5.4<	WS	<= 8.5
5	▤	8.5<	WS	<= 10.8
6	▥	10.8<	WS	

99.5% DATA RECOVERED
OF WHICH 20.9% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

9/ 1/1995 - 9/30/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1		.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

83.5% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

10/ 1/1995 - 10/31/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

96.8% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

11/ 1/1995 - 11/30/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	0	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

63.6% DATA RECOVERED
OF WHICH 20.7% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

12/ 1/1995 - 12/31/1995

1600 - 2000

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

67.7% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

1/ 1/1995 - 1/31/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5<	WS	<= 1.8
2	□	1.8<	WS	<= 3.3
3	▢	3.3<	WS	<= 5.4
4	▣	5.4<	WS	<= 8.5
5	▤	8.5<	WS	<= 10.8
6	▥	10.8<	WS	

100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

2/ 1/1995 - 2/28/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

3/ 1/1995 - 3/31/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	0	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

4/ 1/1995 - 4/30/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

5/ 1/1995 - 5/31/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

6/ 1/1995 - 6/30/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1		.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

7/ 1/1995 - 7/31/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1	I	.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

96.9% DATA RECOVERED
OF WHICH 45.9% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

8/ 1/1995 - 8/31/1995

2000 - 600

N

11.1%
10%

WIND SPEED CLASSES (MPS)

CALM	0	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

99.5% DATA RECOVERED
OF WHICH 46.1% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

9/ 1/1995 - 9/30/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

83.5% DATA RECOVERED
OF WHICH 45.9% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

10/ 1/1995 - 10/31/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	○	WS ≤ .5
1		.5 < WS ≤ 1.8
2	□	1.8 < WS ≤ 3.3
3	▢	3.3 < WS ≤ 5.4
4	▣	5.4 < WS ≤ 8.5
5	▤	8.5 < WS ≤ 10.8
6	▥	10.8 < WS

96.8% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

11/ 1/1995 - 11/30/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▣	3.3< WS	<=	5.4
4	▤	5.4< WS	<=	8.5
5	▥	8.5< WS	<=	10.8
6	▦	10.8< WS		

63.6% DATA RECOVERED
OF WHICH 46.1% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

12/ 1/1995 - 12/31/1995

2000 - 600

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

67.7% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS A

8 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 14.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 8 METER HEIGHT - Total Hours
 2/ 1/1995 - 2/28/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 16.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 8 METER HEIGHT - Total Hours
 3/ 1/1995 - 3/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM ○ WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 16.7% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 8 METER HEIGHT - Total Hours
 4/ 1/1995 - 4/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▣ 5.4 < WS <= 8.5
 5 ▤ 8.5 < WS <= 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 13.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 8 METER HEIGHT - Total Hours
 5/ 1/1995 - 5/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 15.9% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 8 METER HEIGHT - Total Hours
 6/ 1/1995 - 6/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 21.0% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 8 METER HEIGHT - Total Hours
 7/ 1/1995 - 7/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

96.9% DATA RECOVERED
 OF WHICH 16.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 8 METER HEIGHT - Total Hours
 8/ 1/1995 - 8/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▣ 5.4 < WS <= 8.5
 5 ▤ 8.5 < WS <= 10.8
 6 ▥ 10.8 < WS

99.5% DATA RECOVERED
 OF WHICH 14.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
STABILITY CLASS A
8 METER HEIGHT - Total Hours
9/ 1/1995 - 9/30/1995
0 - 2400

N

WIND SPEED CLASSES (MPS)
CALM ○ WS ≤ .5
1 | .5 < WS ≤ 1.8
2 □ 1.8 < WS ≤ 3.3
3 ▢ 3.3 < WS ≤ 5.4
4 ▣ 5.4 < WS ≤ 8.5
5 ▤ 8.5 < WS ≤ 10.8
6 ▥ 10.8 < WS

83.5% DATA RECOVERED
OF WHICH 19.5% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 8 METER HEIGHT - Total Hours
 10/ 1/1995 - 10/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 ■ 1.8< WS <= 3.3
 3 □ 3.3< WS <= 5.4
 4 □ 5.4< WS <= 8.5
 5 □ 8.5< WS <= 10.8
 6 □ 10.8< WS

96.8% DATA RECOVERED
 OF WHICH 19.6% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS A

8 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	0	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

63.6% DATA RECOVERED
OF WHICH 16.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS A
 8 METER HEIGHT - Total Hours
 12/ 1/1995 - 12/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

67.7% DATA RECOVERED
 OF WHICH 11.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS B

8 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 4.3% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 8 METER HEIGHT - Total Hours
 2/ 1/1995 - 2/28/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 5.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 8 METER HEIGHT - Total Hours
 3/ 1/1995 - 3/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 3.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 8 METER HEIGHT - Total Hours
 4/ 1/1995 - 4/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 4.9% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 8 METER HEIGHT - Total Hours
 5/ 1/1995 - 5/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	O	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 7.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 8 METER HEIGHT - Total Hours
 6/ 1/1995 - 6/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 6.7% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS B

8 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5<	WS	<= 1.8
2	□	1.8<	WS	<= 3.3
3	▣	3.3<	WS	<= 5.4
4	▤	5.4<	WS	<= 8.5
5	▥	8.5<	WS	<= 10.8
6	▦	10.8<	WS	

96.9% DATA RECOVERED
OF WHICH 4.4% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 8 METER HEIGHT - Total Hours
 8/ 1/1995 - 8/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

99.5% DATA RECOVERED
 OF WHICH 3.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS B

8 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

83.5% DATA RECOVERED
OF WHICH 4.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 8 METER HEIGHT - Total Hours
 10/ 1/1995 - 10/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

96.8% DATA RECOVERED
 OF WHICH 3.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 8 METER HEIGHT - Total Hours
 11/ 1/1995 - 11/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

63.6% DATA RECOVERED
 OF WHICH 5.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS B
 8 METER HEIGHT - Total Hours
 12/ 1/1995 - 12/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

67.7% DATA RECOVERED
 OF WHICH 3.6% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 8 METER HEIGHT - Total Hours
 1/ 1/1995 - 1/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 5.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS C

8 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED

OF WHICH 4.3% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 8 METER HEIGHT - Total Hours
 3/ 1/1995 - 3/31/1995
 0 - 2400

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 4.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 8 METER HEIGHT - Total Hours
 4/ 1/1995 - 4/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM ○ WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 7.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS C

8 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 10.1% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 8 METER HEIGHT - Total Hours
 6/ 1/1995 - 6/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 ▢ 3.3< WS <= 5.4
 4 ▣ 5.4< WS <= 8.5
 5 ▤ 8.5< WS <= 10.8
 6 ▥ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 7.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 8 METER HEIGHT - Total Hours
 7/ 1/1995 - 7/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▣ 5.4 < WS <= 8.5
 5 ▤ 8.5 < WS <= 10.8
 6 ▥ 10.8 < WS

96.9% DATA RECOVERED
 OF WHICH 6.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 8 METER HEIGHT - Total Hours
 8/ 1/1995 - 8/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

99.5% DATA RECOVERED
 OF WHICH 4.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 8 METER HEIGHT - Total Hours
 9/ 1/1995 - 9/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

83.5% DATA RECOVERED
 OF WHICH 5.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 8 METER HEIGHT - Total Hours
 10/ 1/1995 - 10/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

96.8% DATA RECOVERED
 OF WHICH 4.7% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 8 METER HEIGHT - Total Hours
 11/ 1/1995 - 11/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 I .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▣ 5.4 < WS <= 8.5
 5 ▤ 8.5 < WS <= 10.8
 6 ▥ 10.8 < WS

63.6% DATA RECOVERED
 OF WHICH 5.5% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS C
 8 METER HEIGHT - Total Hours
 12/ 1/1995 - 12/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

67.7% DATA RECOVERED
 OF WHICH 3.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS D

8 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS <= .5
1	I	.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▣	3.3 < WS <= 5.4
4	▤	5.4 < WS <= 8.5
5	▥	8.5 < WS <= 10.8
6	▦	10.8 < WS

100.0% DATA RECOVERED
OF WHICH 26.3% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 8 METER HEIGHT - Total Hours
 2/ 1/1995 - 2/28/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM ○ WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 17.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 8 METER HEIGHT - Total Hours
 3/ 1/1995 - 3/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▣ 5.4 < WS <= 8.5
 5 ▤ 8.5 < WS <= 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 31.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 8 METER HEIGHT - Total Hours
 4/ 1/1995 - 4/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 36.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS D

8 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	0	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

100.0% DATA RECOVERED
OF WHICH 28.5% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 8 METER HEIGHT - Total Hours
 6/ 1/1995 - 6/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 32.4% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 8 METER HEIGHT - Total Hours
 7/ 1/1995 - 7/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

96.9% DATA RECOVERED
 OF WHICH 29.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 8 METER HEIGHT - Total Hours
 8/ 1/1995 - 8/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

99.5% DATA RECOVERED
 OF WHICH 34.3% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 8 METER HEIGHT - Total Hours
 9/ 1/1995 - 9/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 I .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

83.5% DATA RECOVERED
 OF WHICH 24.6% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS D

8 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	0	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

96.8% DATA RECOVERED
OF WHICH 19.6% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 8 METER HEIGHT - Total Hours
 11/ 1/1995 - 11/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1		.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▣	3.3< WS	<=	5.4
4	▤	5.4< WS	<=	8.5
5	▥	8.5< WS	<=	10.8
6	▦	10.8< WS		

63.6% DATA RECOVERED
 OF WHICH 14.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS D
 8 METER HEIGHT - Total Hours
 12/ 1/1995 - 12/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

67.7% DATA RECOVERED
 OF WHICH 24.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 8 METER HEIGHT - Total Hours
 1/ 1/1995 - 1/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 12.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 8 METER HEIGHT - Total Hours
 2/ 1/1995 - 2/28/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 ▢ 3.3< WS <= 5.4
 4 ▣ 5.4< WS <= 8.5
 5 ▤ 8.5< WS <= 10.8
 6 ▥ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 7.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 8 METER HEIGHT - Total Hours
 3/ 1/1995 - 3/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▨ 5.4 < WS <= 8.5
 5 ▩ 8.5 < WS <= 10.8
 6 ▪ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 8.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 8 METER HEIGHT - Total Hours
 4/ 1/1995 - 4/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 7.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 8 METER HEIGHT - Total Hours
 5/ 1/1995 - 5/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 7.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 8 METER HEIGHT - Total Hours
 6/ 1/1995 - 6/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 I .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 5.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 8 METER HEIGHT - Total Hours
 7/ 1/1995 - 7/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM ○ WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

96.9% DATA RECOVERED
 OF WHICH 7.2% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 8 METER HEIGHT - Total Hours
 8/ 1/1995 - 8/31/1995
 0 - 2400

N

10% 19.1%

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

99.5% DATA RECOVERED
 OF WHICH 6.4% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

STABILITY CLASS E

8 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995

0 - 2400

N

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1	I	.5< WS	<=	1.8
2	□	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣	5.4< WS	<=	8.5
5	▤	8.5< WS	<=	10.8
6	▥	10.8< WS		

83.5% DATA RECOVERED
OF WHICH 5.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 8 METER HEIGHT - Total Hours
 10/ 1/1995 - 10/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▢	3.3 < WS <= 5.4
4	▣	5.4 < WS <= 8.5
5	▤	8.5 < WS <= 10.8
6	▥	10.8 < WS

96.8% DATA RECOVERED
 OF WHICH 5.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 8 METER HEIGHT - Total Hours
 11/ 1/1995 - 11/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)		
CALM	o	WS <= .5
1		.5 < WS <= 1.8
2	□	1.8 < WS <= 3.3
3	▣	3.3 < WS <= 5.4
4	▤	5.4 < WS <= 8.5
5	▥	8.5 < WS <= 10.8
6	▦	10.8 < WS

63.6% DATA RECOVERED
 OF WHICH 5.0% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS E
 8 METER HEIGHT - Total Hours
 12/ 1/1995 - 12/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM ○ WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

67.7% DATA RECOVERED
 OF WHICH 6.9% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 8 METER HEIGHT - Total Hours
 1/ 1/1995 - 1/31/1995
 0 - 2400

N

12.1%
 10%

WIND SPEED CLASSES (MPS)
 CALM ○ WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 37.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 8 METER HEIGHT - Total Hours
 2/ 1/1995 - 2/28/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 50.0% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 8 METER HEIGHT - Total Hours
 3/ 1/1995 - 3/31/1995
 0 - 2400

N

12.4%
 10%

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

100.0% DATA RECOVERED
 OF WHICH 35.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 8 METER HEIGHT - Total Hours
 4/ 1/1995 - 4/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 I .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 ▢ 3.3< WS <= 5.4
 4 ▣ 5.4< WS <= 8.5
 5 ▤ 8.5< WS <= 10.8
 6 ▥ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 29.9% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 8 METER HEIGHT - Total Hours
 5/ 1/1995 - 5/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 ■ 3.3< WS <= 5.4
 4 ■■ 5.4< WS <= 8.5
 5 ■■■ 8.5< WS <=10.8
 6 ■■■■ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 30.9% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 8 METER HEIGHT - Total Hours
 6/ 1/1995 - 6/30/1995
 0 - 2400

N

13.4%
 10%

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5< WS <= 1.8
 2 □ 1.8< WS <= 3.3
 3 □□ 3.3< WS <= 5.4
 4 □□□ 5.4< WS <= 8.5
 5 □□□□ 8.5< WS <= 10.8
 6 □□□□□ 10.8< WS

100.0% DATA RECOVERED
 OF WHICH 26.9% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 8 METER HEIGHT - Total Hours
 7/ 1/1995 - 7/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM o WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 □□ 3.3 < WS <= 5.4
 4 □□□ 5.4 < WS <= 8.5
 5 □□□□ 8.5 < WS <= 10.8
 6 □□□□□ 10.8 < WS

96.9% DATA RECOVERED
 OF WHICH 36.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 8 METER HEIGHT - Total Hours
 8/ 1/1995 - 8/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM ○ WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

99.5% DATA RECOVERED
 OF WHICH 37.6% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 8 METER HEIGHT - Total Hours
 9/ 1/1995 - 9/30/1995
 0 - 2400

N

13.9%
 10%

WIND SPEED CLASSES (MPS)

CALM	o	WS	<=	.5
1	I	.5< WS	<=	1.8
2	▣	1.8< WS	<=	3.3
3	▢	3.3< WS	<=	5.4
4	▣▣	5.4< WS	<=	8.5
5	▣▣▣	8.5< WS	<=	10.8
6	▣▣▣▣	10.8< WS		

83.5% DATA RECOVERED
 OF WHICH 40.6% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 8 METER HEIGHT - Total Hours
 10/ 1/1995 - 10/31/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)
 CALM ○ WS ≤ .5
 1 | .5 < WS ≤ 1.8
 2 □ 1.8 < WS ≤ 3.3
 3 ▢ 3.3 < WS ≤ 5.4
 4 ▣ 5.4 < WS ≤ 8.5
 5 ▤ 8.5 < WS ≤ 10.8
 6 ▥ 10.8 < WS

96.8% DATA RECOVERED
 OF WHICH 46.8% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 8 METER HEIGHT - Total Hours
 11/ 1/1995 - 11/30/1995
 0 - 2400

N

WIND SPEED CLASSES (MPS)			
CALM	0	WS	<= .5
1	1	.5< WS	<= 1.8
2	□	1.8< WS	<= 3.3
3	▢	3.3< WS	<= 5.4
4	▣	5.4< WS	<= 8.5
5	▤	8.5< WS	<= 10.8
6	▥	10.8< WS	

63.6% DATA RECOVERED
 OF WHICH 53.1% IS
 REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER
 STABILITY CLASS F
 8 METER HEIGHT - Total Hours
 12/ 1/1995 - 12/31/1995
 0 - 2400

N

9.9%

WIND SPEED CLASSES (MPS)
 CALM 0 WS <= .5
 1 | .5 < WS <= 1.8
 2 □ 1.8 < WS <= 3.3
 3 ▢ 3.3 < WS <= 5.4
 4 ▣ 5.4 < WS <= 8.5
 5 ▤ 8.5 < WS <= 10.8
 6 ▥ 10.8 < WS

67.7% DATA RECOVERED
 OF WHICH 50.0% IS
 REPORTED ABOVE

APPENDIX C: MONTHLY WIND FREQUENCY DISTRIBUTIONS, TWO AND EIGHT METERS

Two Meters

1-12	Total Hours (0000-2400), January-December, 1995
13-24	Morning Transition (0600-1000), January-December 1995
25-36	Late Mid-day (1000-1600), January-December, 1995
37-48	Evening Transition (1600-2000), January-December 1995
49-60	Night Time (2000-0600), January-December, 1995
61-72	All Stability Class A (Yamartino Sigma Theta), January-December, 1995
73-84	All Stability Class B (Yamartino Sigma Theta), January-December, 1995
85-96	All Stability Class C (Yamartino Sigma Theta), January-December, 1995
97-108	All Stability Class D (Yamartino Sigma Theta), January-December, 1995
109-120	All Stability Class E (Yamartino Sigma Theta), January-December, 1995
121-132	All Stability Class F (Yamartino Sigma Theta), January-December, 1995

Eight Meters

133-144	Total Hours (0000-2400), January-December, 1995
145-156	Morning Transition (0600-1000), January-December 1995
157-168	Late Mid-day (1000-1600), January-December, 1995
169-180	Evening Transition (1600-2000), January-December 1995
181-192	Night Time (2000-0600), January-December, 1995
193-204	All Stability Class A (Yamartino Sigma Theta), January-December, 1995
205-216	All Stability Class B (Yamartino Sigma Theta), January-December, 1995

**APPENDIX C: MONTHLY WIND FREQUENCY DISTRIBUTIONS,
TWO AND EIGHT METERS (con't)**

217-228	All Stability Class C (Yamartino Sigma Theta), January-December, 1995
229-240	All Stability Class D (Yamartino Sigma Theta), January-December, 1995
241-252	All Stability Class E (Yamartino Sigma Theta), January-December, 1995
253-264	All Stability Class F (Yamartino Sigma Theta), January-December, 1995

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995
0 - 2400 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.7	.7	.0	.0	.0	.0	5.4	1.3
NNE	2	5.1	.5	.8	.0	.0	.0	6.5	1.6
NE	3	3.2	1.6	.5	.0	.0	.0	5.4	1.7
ENE	4	3.0	.3	.1	.0	.0	.0	3.4	1.3
E	5	4.3	1.1	.0	.0	.0	.0	5.4	1.3
ESE	6	2.7	.5	.4	.0	.0	.0	3.6	1.7
SE	7	3.9	.8	1.1	.1	.0	.0	5.9	1.9
SSE	8	1.5	.8	.4	.0	.0	.0	2.7	1.7
S	9	3.2	.7	.3	.0	.0	.0	4.2	1.4
SSW	10	5.1	.5	.4	1.2	.7	.0	7.9	3.0
SW	11	8.2	.7	.8	1.9	.0	.0	11.6	2.3
WSW	12	6.7	.5	.5	.1	.0	.0	7.9	1.4
W	13	4.8	.3	.1	.1	.0	.0	5.4	1.4
WNW	14	5.0	1.6	.3	.0	.0	.0	6.9	1.5
NW	15	4.6	3.9	.5	.0	.0	.0	9.0	1.8
NNW	16	4.4	.9	.1	.1	.0	.0	5.6	1.5
CALM		3.4						3.4	
TOTAL		73.8	15.5	6.5	3.6	.7	.0	100.0	1.7

100.0% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995
0 - 2400 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	3.4	.3	.1	.0	.0	.0	3.9	1.2	N
NNE	2	4.2	.4	.7	.3	.0	.0	5.7	1.8	NNE
NE	3	3.1	.3	.3	.0	.0	.0	3.7	1.3	NE
ENE	4	3.9	.3	.3	.0	.0	.0	4.5	1.3	ENE
E	5	3.3	.9	.4	.0	.0	.0	4.6	1.6	E
ESE	6	3.3	.3	.0	.0	.0	.0	3.6	1.0	ESE
SE	7	4.6	.4	.0	.0	.0	.0	5.1	1.1	SE
SSE	8	4.3	.3	.0	.0	.0	.0	4.6	.9	SSE
S	9	3.7	.6	.3	.0	.0	.0	4.6	1.3	S
SSW	10	7.0	1.3	.4	.4	1.6	1.3	12.2	3.9	SSW
SW	11	9.2	1.0	1.6	1.9	.1	.1	14.1	2.4	SW
WSW	12	6.1	.7	1.0	.6	.0	.0	8.5	1.9	WSW
W	13	6.7	.4	.0	.0	.0	.0	7.1	1.0	W
WNW	14	3.1	.1	.0	.0	.0	.0	3.3	1.0	WNW
NW	15	2.8	.9	.1	.0	.0	.0	3.9	1.4	NW
NNW	16	4.0	.7	.1	.0	.0	.0	4.9	1.3	NNW
CALM		5.8						5.8		
TOTAL		78.6	9.2	5.7	3.3	1.8	1.5	100.0	1.7	

100.0% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995
0 - 2400 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.7	.9	1.6	.1	.0	.0	5.4	2.4
NNE	2	2.7	2.2	1.6	1.7	.0	.0	8.2	3.1
NE	3	2.2	.7	.4	1.1	.0	.0	4.3	2.8
ENE	4	1.9	.4	.0	.0	.0	.0	2.3	1.3
E	5	3.4	.1	.0	.0	.0	.0	3.5	1.1
ESE	6	1.6	.4	.0	.0	.0	.0	2.0	1.4
SE	7	2.4	.5	.3	.0	.0	.0	3.2	1.7
SSE	8	3.2	.5	.4	.0	.0	.0	4.2	1.7
S	9	3.6	.8	.7	.4	.1	.0	5.6	2.2
SSW	10	6.2	1.3	.7	3.2	3.6	2.3	17.3	5.6
SW	11	7.1	3.0	1.6	2.7	1.1	.1	15.6	3.4
WSW	12	5.0	1.2	.9	.0	.0	.0	7.1	1.8
W	13	3.5	.9	.0	.1	.0	.0	4.6	1.5
WNW	14	4.2	.3	.1	.0	.0	.0	4.6	1.4
NW	15	4.7	.9	.1	.4	.0	.0	6.2	1.7
NNW	16	2.8	.4	.3	.1	.0	.0	3.6	1.7
CALM		2.3						2.3	
TOTAL		59.4	14.7	8.7	9.9	4.8	2.4	100.0	2.8

100.0% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)
CALM WS <= .5
1 .5< WS <= 1.8
2 1.8< WS <= 3.3
3 3.3< WS <= 5.4
4 5.4< WS <= 8.5
5 8.5< WS <=10.8
6 10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995
0 - 2400 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	2.5	.8	1.3	1.9	.0	.0	6.5	3.8	N
NNE	2	2.5	2.2	2.4	3.3	.4	.0	10.8	4.2	NNE
NE	3	3.1	2.2	2.6	.0	.0	.0	7.9	2.6	NE
ENE	4	2.6	1.1	.6	.0	.0	.0	4.3	1.9	ENE
E	5	1.7	.4	.0	.0	.0	.0	2.1	1.3	E
ESE	6	1.8	.0	.0	.0	.0	.0	1.8	1.2	ESE
SE	7	1.3	.1	.0	.0	.0	.0	1.4	1.4	SE
SSE	8	2.1	.6	.0	.0	.0	.0	2.6	1.3	SSE
S	9	3.5	1.0	.4	.1	.0	.0	5.0	1.8	S
SSW	10	2.6	2.5	2.1	2.9	1.1	1.5	12.8	5.3	SSW
SW	11	5.1	3.1	4.9	5.7	1.0	.0	19.7	4.2	SW
WSW	12	3.6	1.3	1.7	.1	.0	.0	6.7	2.3	WSW
W	13	2.9	.8	.3	.0	.0	.0	4.0	1.6	W
WNW	14	2.6	.4	.3	.0	.0	.0	3.3	1.4	WNW
NW	15	3.6	.8	.1	.3	.1	.0	5.0	1.9	NW
NNW	16	1.9	1.1	.1	.6	.3	.0	4.0	3.0	NNW
CALM		1.9						1.9		

TOTAL		45.4	18.5	16.7	15.0	2.9	1.5	100.0	3.2	

100.0% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995
0 - 2400 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.6	.4	.3	.1	.0	.0	3.4	1.7
NNE	2	1.6	1.5	.5	.1	.0	.0	3.8	2.3
NE	3	1.2	.7	.4	.1	.0	.0	2.4	2.3
ENE	4	3.2	1.3	.4	.0	.0	.0	5.0	1.6
E	5	2.6	.4	.1	.0	.0	.0	3.1	1.3
ESE	6	2.4	.3	.0	.0	.0	.0	2.7	1.2
SE	7	1.6	.4	.0	.0	.0	.0	2.0	1.3
SSE	8	2.3	.1	.0	.0	.0	.0	2.4	1.0
S	9	3.9	1.2	.1	.0	.0	.0	5.2	1.5
SSW	10	5.1	2.6	2.8	1.5	1.1	.7	13.7	3.9
SW	11	6.9	4.4	6.6	5.0	1.6	.1	24.6	3.9
WSW	12	5.0	1.2	3.0	1.5	.0	.0	10.6	2.8
W	13	2.4	1.5	.8	.5	.0	.0	5.2	2.4
WNW	14	2.6	.9	.4	.1	.0	.0	4.0	1.9
NW	15	2.4	.8	.9	.4	.0	.0	4.6	2.6
NNW	16	2.7	.9	1.2	.3	.0	.0	5.1	2.4
CALM		2.2						2.2	
TOTAL		50.5	18.7	17.6	9.7	2.7	.8	100.0	2.7

100.0% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995
0 - 2400 (PST)

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	2.5	.8	.8	.8	.8	.1	6.0	3.9	N
NNE	2	4.2	3.1	1.0	1.0	.1	.0	9.3	2.6	NNE
NE	3	2.2	1.3	.6	.0	.1	.0	4.2	2.3	NE
ENE	4	2.4	1.9	.4	.0	.0	.0	4.7	1.8	ENE
E	5	2.6	.8	.0	.1	.0	.0	3.6	1.6	E
ESE	6	1.7	.6	.0	.0	.0	.0	2.2	1.5	ESE
SE	7	1.5	.1	.7	.0	.0	.0	2.4	2.0	SE
SSE	8	1.8	.7	.3	.0	.0	.0	2.8	1.8	SSE
S	9	3.3	1.1	.3	.1	.1	.0	5.0	1.8	S
SSW	10	6.1	2.4	2.9	4.4	1.7	1.1	18.6	4.6	SSW
SW	11	6.4	2.8	3.9	5.8	.8	.3	20.0	4.1	SW
WSW	12	3.5	1.0	.1	1.1	.0	.0	5.7	2.4	WSW
W	13	2.5	.3	.7	.0	.0	.0	3.5	1.9	W
WNW	14	2.1	.7	.3	.1	.0	.0	3.2	1.8	WNW
NW	15	1.5	.6	.1	.1	.0	.0	2.4	1.8	NW
NNW	16	2.1	1.4	.4	.3	.0	.1	4.3	2.6	NNW
CALM		2.2						2.2		
TOTAL		48.6	19.4	12.5	14.0	3.8	1.7	100.0	3.0	

100.0% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995
0 - 2400 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	3.3	.3	.8	.3	.0	.0	4.7	1.9 N
NNE	2	3.3	.7	.4	.0	.0	.0	4.4	1.6 NNE
NE	3	3.9	1.1	.0	.0	.0	.0	5.0	1.3 NE
ENE	4	2.9	.3	.0	.0	.0	.0	3.2	1.2 ENE
E	5	2.8	.3	.0	.1	.0	.0	3.2	1.3 E
ESE	6	2.1	.4	.3	.0	.0	.0	2.8	1.4 ESE
SE	7	1.9	.1	.1	.0	.0	.0	2.2	1.3 SE
SSE	8	2.5	.7	.3	.0	.0	.0	3.5	1.5 SSE
S	9	2.8	.6	.6	.4	.0	.0	4.3	2.4 S
SSW	10	3.3	1.8	2.1	4.3	3.2	.0	14.7	5.3 SSW
SW	11	7.5	4.4	6.4	9.4	.7	.0	28.4	4.1 SW
WSW	12	4.3	1.4	.6	.3	.0	.0	6.5	1.8 WSW
W	13	2.8	.7	.0	.0	.0	.0	3.5	1.3 W
WNW	14	2.1	.1	.4	.0	.0	.0	2.6	1.5 WNW
NW	15	2.6	.4	.1	.7	.0	.0	3.9	2.3 NW
NNW	16	2.9	.3	.1	.3	.0	.0	3.6	1.8 NNW
CALM		3.5						3.5	
TOTAL		54.5	13.6	12.2	15.8	3.9	.0	100.0	2.8

96.9% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995
0 - 2400 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	5.0	.0	.0	.0	.0	.0	5.0	1.0	N
NNE	2	4.9	.4	.0	.0	.0	.0	5.3	1.1	NNE
NE	3	4.5	.3	.0	.0	.0	.0	4.7	1.2	NE
ENE	4	3.8	.3	.0	.0	.0	.0	4.1	1.3	ENE
E	5	2.6	.3	.0	.0	.0	.0	2.8	1.1	E
ESE	6	1.5	.4	.1	.0	.0	.0	2.0	1.4	ESE
SE	7	1.1	.7	.1	.0	.0	.0	1.9	1.6	SE
SSE	8	1.1	.7	.5	.1	.0	.0	2.4	2.4	SSE
S	9	3.5	1.4	.3	.7	.0	.0	5.8	2.3	S
SSW	10	4.3	1.1	1.8	8.5	1.9	.0	17.6	5.2	SSW
SW	11	5.5	2.3	4.3	9.9	1.6	.5	24.2	4.9	SW
WSW	12	5.4	1.4	.7	.0	.0	.0	7.4	1.6	WSW
W	13	3.1	.3	.0	.0	.0	.0	3.4	1.1	W
WNW	14	3.1	.1	.0	.0	.0	.0	3.2	1.0	WNW
NW	15	2.8	.3	.0	.0	.0	.0	3.1	1.0	NW
NNW	16	3.6	.3	.0	.0	.0	.0	3.9	1.1	NNW
CALM		3.1						3.1		
TOTAL		58.9	10.0	7.8	19.2	3.5	.5	100.0	2.9	

99.5% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995
0 - 2400 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.2	.3	.3	.0	.0	.0	4.8	1.2
NNE	2	5.3	.7	.5	1.7	.0	.0	8.2	2.5
NE	3	4.8	.8	.2	.0	.0	.0	5.8	1.3
ENE	4	4.3	.2	.0	.0	.0	.0	4.5	1.2
E	5	2.3	1.0	.2	.0	.0	.0	3.5	1.5
ESE	6	1.5	.5	.2	.0	.0	.0	2.2	1.4
SE	7	1.3	.2	1.0	.2	.0	.0	2.7	2.7
SSE	8	1.2	.2	.3	.0	.0	.0	1.7	1.8
S	9	4.0	.7	.2	.0	.0	.0	4.8	1.3
SSW	10	5.2	2.2	2.0	2.7	.3	.0	12.3	3.3
SW	11	8.8	1.5	5.3	7.5	.5	.0	23.6	3.8
WSW	12	6.2	.5	.5	.2	.0	.0	7.3	1.4
W	13	2.7	.3	.0	.0	.0	.0	3.0	1.1
WNW	14	2.7	.8	.0	.0	.0	.0	3.5	1.2
NW	15	3.5	.5	.0	.0	.0	.0	4.0	1.2
NNW	16	3.2	.7	.0	.0	.0	.0	3.8	1.2
CALM		4.3						4.3	
TOTAL		65.4	11.0	10.6	12.1	.8	.0	100.0	2.2

83.5% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995
0 - 2400 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	3.6	.6	1.1	.7	.0	.0	6.0	2.4	N
NNE	2	3.8	.4	2.2	3.3	.6	.0	10.3	4.2	NNE
NE	3	5.4	1.1	.4	.0	.0	.0	6.9	1.4	NE
ENE	4	4.0	.8	.1	.0	.0	.0	5.0	1.3	ENE
E	5	5.1	1.0	.0	.0	.0	.0	6.1	1.2	E
ESE	6	1.9	.1	.0	.0	.0	.0	2.1	1.2	ESE
SE	7	1.7	.0	.0	.0	.0	.0	1.7	1.0	SE
SSE	8	3.2	.4	.0	.0	.0	.0	3.6	1.1	SSE
S	9	5.0	1.0	.0	.0	.0	.0	6.0	1.2	S
SSW	10	7.1	1.8	.6	.8	.3	.0	10.6	2.0	SSW
SW	11	7.2	2.4	3.5	1.8	.0	.0	14.9	2.7	SW
WSW	12	6.3	.7	.3	.0	.0	.0	7.2	1.3	WSW
W	13	4.2	.4	.0	.0	.0	.0	4.6	1.1	W
WNW	14	2.6	.1	.0	.0	.0	.0	2.8	1.0	WNW
NW	15	4.0	.1	.0	.1	.0	.0	4.3	1.3	NW
NNW	16	3.2	.4	.4	.0	.1	.0	4.2	1.7	NNW
CALM		3.9						3.9		
TOTAL		72.2	11.4	8.6	6.8	1.0	.0	100.0	1.9	

96.8% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995
0 - 2400 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)		
WIND DIR	SECTOR	1	2	3	4	5	6				
N	1	3.7	.9	2.0	.2	.0	.0	6.8	2.4	N	
NNE	2	5.9	.9	1.3	.7	.0	.0	8.7	1.9	NNE	
NE	3	5.0	1.3	.0	.0	.0	.0	6.3	1.2	NE	
ENE	4	5.5	.7	.0	.0	.0	.0	6.1	1.1	ENE	
E	5	3.9	.2	.0	.0	.0	.0	4.1	1.0	E	
ESE	6	2.6	.0	.0	.0	.0	.0	2.6	.9	ESE	
SE	7	3.1	.2	.0	.0	.0	.0	3.3	1.0	SE	
SSE	8	3.7	.4	.0	.0	.0	.0	4.1	1.2	SSE	
S	9	4.4	.2	.2	.0	.0	.0	4.8	1.2	S	
SSW	10	4.1	1.5	.7	.0	.0	.0	6.3	1.6	SSW	
SW	11	9.6	1.5	2.6	1.3	.0	.0	15.1	2.2	SW	
WSW	12	6.8	.4	.4	.0	.0	.0	7.6	1.2	WSW	
W	13	3.5	.2	.0	.0	.0	.0	3.7	1.1	W	
WNW	14	2.6	.2	.0	.0	.0	.0	2.8	1.1	WNW	
NW	15	5.5	.9	.0	.0	.0	.0	6.3	1.1	NW	
NNW	16	2.6	.9	.4	.9	.2	.0	5.0	2.9	NNW	
CALM		6.1						6.1			
TOTAL		78.6	10.5	7.6	3.1	.2	.0	100.0	1.5		

63.6% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995
0 - 2400 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.8	1.0	.6	1.4	.2	.0	7.9	2.9
NNE	2	6.0	2.0	1.4	3.2	.2	.0	12.7	3.1
NE	3	4.6	.8	.6	.2	.0	.0	6.2	1.6
ENE	4	6.3	1.0	.0	.0	.0	.0	7.3	1.2
E	5	4.8	.6	.0	.0	.0	.0	5.4	1.2
ESE	6	3.4	.2	.0	.0	.0	.0	3.6	1.0
SE	7	2.0	.0	.0	.0	.0	.0	2.0	1.1
SSE	8	3.0	.4	.0	.0	.0	.0	3.4	1.0
S	9	4.0	.4	.0	.0	.0	.0	4.4	1.1
SSW	10	5.8	.2	.8	1.8	1.4	1.0	10.9	4.5
SW	11	5.6	1.2	1.4	1.0	.0	.0	9.1	2.4
WSW	12	4.2	.6	.4	.0	.0	.0	5.2	1.5
W	13	4.8	.8	.2	.0	.0	.0	5.8	1.3
WNW	14	3.2	.0	.0	.6	.0	.0	3.8	2.1
NW	15	4.6	.4	.0	.0	.4	.0	5.4	1.8
NNW	16	4.2	.4	.2	.2	.0	.0	5.0	1.5
CALM		2.2						2.2	

TOTAL		73.0	9.9	5.6	8.3	2.2	1.0	100.0	2.1

67.7% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

1/ 1/1995 - 1/31/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	7.7	.0	.0	.0	.0	.0	7.7	1.3
NNE	2	4.5	.6	1.3	.0	.0	.0	6.5	1.8
NE	3	5.2	1.9	.6	.0	.0	.0	7.7	1.6
ENE	4	5.2	.0	.0	.0	.0	.0	5.2	1.3
E	5	5.8	1.3	.0	.0	.0	.0	7.1	1.2
ESE	6	3.2	.0	1.3	.0	.0	.0	4.5	1.9
SE	7	5.8	.0	1.9	.0	.0	.0	7.7	1.9
SSE	8	1.9	.6	.0	.0	.0	.0	2.6	1.2
S	9	4.5	.6	.0	.0	.0	.0	5.2	1.3
SSW	10	3.2	.0	.6	.0	.0	.0	3.9	1.5
SW	11	9.7	.6	1.3	1.9	.0	.0	13.5	2.4
WSW	12	5.8	.6	.6	.6	.0	.0	7.7	1.7
W	13	1.9	.0	.0	.0	.0	.0	1.9	1.1
WNW	14	5.2	.0	.0	.0	.0	.0	5.2	1.1
NW	15	5.2	3.9	.0	.0	.0	.0	9.0	1.5
NNW	16	1.9	.6	.0	.0	.0	.0	2.6	1.6
CALM		1.9						1.9	
TOTAL		78.7	11.0	7.7	2.6	.0	.0	100.0	1.6

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

2/ 1/1995 - 2/28/1995
600 - 1000 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	2.9	.0	.7	.0	.0	.0	3.6	1.5	N
NNE	2	5.7	.0	.0	.0	.0	.0	5.7	.9	NNE
NE	3	5.0	.0	.0	.0	.0	.0	5.0	.8	NE
ENE	4	7.9	.0	.0	.0	.0	.0	7.9	.9	ENE
E	5	5.7	.7	.0	.0	.0	.0	6.4	1.0	E
ESE	6	4.3	.0	.0	.0	.0	.0	4.3	.8	ESE
SE	7	7.1	.0	.0	.0	.0	.0	7.1	.8	SE
SSE	8	2.1	.0	.0	.0	.0	.0	2.1	.9	SSE
S	9	5.7	.0	.0	.0	.0	.0	5.7	.9	S
SSW	10	7.1	.0	.0	.0	.7	2.1	10.0	3.8	SSW
SW	11	7.9	.0	.0	.0	.0	.7	8.6	2.0	SW
WSW	12	5.0	.7	1.4	2.1	.0	.0	9.3	2.9	WSW
W	13	6.4	.0	.0	.0	.0	.0	6.4	.7	W
WNW	14	1.4	.0	.0	.0	.0	.0	1.4	.9	WNW
NW	15	2.1	.0	.0	.0	.0	.0	2.1	1.0	NW
NNW	16	2.9	.7	.0	.0	.0	.0	3.6	1.0	NNW
CALM		10.7						10.7		
TOTAL		90.0	2.1	2.1	2.1	.7	2.9	100.0	1.4	

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

3/ 1/1995 - 3/31/1995
600 - 1000 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.9	.0	.0	.0	.0	.0	1.9	1.0
NNE	2	3.2	1.9	3.2	5.8	.0	.0	14.2	4.0
NE	3	3.2	.0	1.9	.0	.0	.0	5.2	2.3
ENE	4	3.9	.0	.0	.0	.0	.0	3.9	1.0
E	5	5.8	.0	.0	.0	.0	.0	5.8	1.0
ESE	6	2.6	.6	.0	.0	.0	.0	3.2	1.4
SE	7	3.9	.0	.0	.0	.0	.0	3.9	1.1
SSE	8	4.5	.6	.0	.0	.0	.0	5.2	1.3
S	9	6.5	.0	.6	.0	.0	.0	7.1	1.3
SSW	10	6.5	.6	.0	3.2	1.3	2.6	14.2	5.2
SW	11	7.7	.0	1.3	1.3	.6	.0	11.0	2.7
WSW	12	5.8	.0	.0	.0	.0	.0	5.8	1.2
W	13	2.6	.6	.0	.0	.0	.0	3.2	1.2
WNW	14	1.9	.0	.0	.0	.0	.0	1.9	.9
NW	15	3.9	.6	.6	.0	.0	.0	5.2	1.4
NNW	16	2.6	.6	.0	.0	.0	.0	3.2	1.2
CALM		5.2						5.2	
TOTAL		71.6	5.8	7.7	10.3	1.9	2.6	100.0	2.3

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES	
(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

4/ 1/1995 - 4/30/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.3	.0	1.3	.7	.0	.0	3.3	3.9
NNE	2	1.3	2.0	4.0	3.3	.0	.0	10.7	4.3
NE	3	6.0	3.3	4.7	.0	.0	.0	14.0	2.3
ENE	4	5.3	1.3	.7	.0	.0	.0	7.3	1.7
E	5	3.3	.0	.0	.0	.0	.0	3.3	.8
ESE	6	3.3	.0	.0	.0	.0	.0	3.3	1.4
SE	7	4.0	.0	.0	.0	.0	.0	4.0	1.3
SSE	8	2.7	.7	.0	.0	.0	.0	3.3	1.1
S	9	6.0	.7	.0	.0	.0	.0	6.7	1.1
SSW	10	2.7	2.0	.7	.0	.7	1.3	7.3	4.5
SW	11	.7	2.0	3.3	2.7	1.3	.0	10.0	5.3
WSW	12	2.0	.7	4.7	.7	.0	.0	8.0	3.7
W	13	2.7	.7	.0	.0	.0	.0	3.3	1.2
WNW	14	2.0	.0	.0	.0	.0	.0	2.0	.7
NW	15	1.3	.0	.0	.7	.0	.0	2.0	3.3
NNW	16	1.3	1.3	.0	2.0	.0	.0	4.7	4.6
CALM		6.7						6.7	

TOTAL		52.7	14.7	19.3	10.0	2.0	1.3	100.0	2.8

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

5/ 1/1995 - 5/31/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.9	.0	.0	.6	.0	.0	2.6	2.0
NNE	2	1.9	.0	.0	.0	.0	.0	1.9	1.1
NE	3	1.9	.6	.0	.0	.0	.0	2.6	1.4
ENE	4	7.7	.6	.0	.0	.0	.0	8.4	1.1
E	5	9.0	.0	.0	.0	.0	.0	9.0	1.0
ESE	6	7.1	.0	.0	.0	.0	.0	7.1	1.0
SE	7	4.5	.0	.0	.0	.0	.0	4.5	1.1
SSE	8	7.1	.0	.0	.0	.0	.0	7.1	.9
S	9	8.4	1.3	.0	.0	.0	.0	9.7	1.3
SSW	10	1.9	1.9	5.2	.0	.0	.0	9.0	3.2
SW	11	3.2	2.6	5.2	4.5	.6	.0	16.1	4.1
WSW	12	2.6	.0	.6	1.3	.0	.0	4.5	2.9
W	13	.6	.6	.6	.0	.0	.0	1.9	2.9
WNW	14	.6	.0	.0	.0	.0	.0	.6	1.5
NW	15	.6	1.3	1.3	.0	.0	.0	3.2	3.0
NNW	16	1.3	.6	1.3	.0	.0	.0	3.2	2.9
CALM		8.4						8.4	
TOTAL		69.0	9.7	14.2	6.5	.6	.0	100.0	1.9

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

6/ 1/1995 - 6/30/1995
600 - 1000 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.0	.0	.7	.0	.0	.0	2.7	1.5
NNE	2	4.7	.7	.7	.0	.0	.0	6.0	1.4
NE	3	2.7	.7	.7	.0	.0	.0	4.0	1.6
ENE	4	6.7	4.7	.0	.0	.0	.0	11.3	1.6
E	5	6.7	1.3	.0	.0	.0	.0	8.0	1.3
ESE	6	6.7	.0	.0	.0	.0	.0	6.7	1.1
SE	7	4.0	.7	.7	.0	.0	.0	5.3	1.3
SSE	8	4.0	.7	.7	.0	.0	.0	5.3	1.7
S	9	8.0	.7	.0	.0	.0	.0	8.7	1.1
SSW	10	4.0	2.7	1.3	2.7	2.0	.7	13.3	4.6
SW	11	5.3	.7	1.3	2.0	1.3	.7	11.3	4.0
WSW	12	2.7	.0	.0	.7	.0	.0	3.3	2.3
W	13	1.3	.0	.0	.0	.0	.0	1.3	1.2
WNW	14	.7	.0	.0	.0	.0	.0	.7	1.2
NW	15	1.3	.7	.0	.0	.0	.0	2.0	1.4
NNW	16	.7	1.3	.7	.0	.0	.0	2.7	2.4
CALM		7.3						7.3	
TOTAL		68.7	14.7	6.7	5.3	3.3	1.3	100.0	2.1

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

7/ 1/1995 - 7/31/1995
600 - 1000 (PST)

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.7	.0	.0	.0	.0	.0	.7	.7	N
NNE	2	3.3	.7	1.3	.0	.0	.0	5.3	1.9	NNE
NE	3	6.0	.7	.0	.0	.0	.0	6.7	1.1	NE
ENE	4	6.7	.7	.0	.0	.0	.0	7.3	1.0	ENE
E	5	6.0	.7	.0	.0	.0	.0	6.7	1.2	E
ESE	6	7.3	.0	.7	.0	.0	.0	8.0	1.1	ESE
SE	7	6.0	.0	.0	.0	.0	.0	6.0	1.1	SE
SSE	8	2.7	1.3	.7	.0	.0	.0	4.7	1.6	SSE
S	9	6.0	.0	.7	.0	.0	.0	6.7	1.4	S
SSW	10	4.7	2.7	1.3	3.3	3.3	.0	15.3	4.7	SSW
SW	11	2.7	2.0	1.3	.7	.7	.0	7.3	3.4	SW
WSW	12	3.3	.7	.0	.0	.0	.0	4.0	1.3	WSW
W	13	1.3	.7	.0	.0	.0	.0	2.0	1.4	W
WNW	14	.7	.0	.7	.0	.0	.0	1.3	2.7	WNW
NW	15	1.3	.7	.0	.0	.0	.0	2.0	1.0	NW
NNW	16	2.0	.0	.0	.0	.0	.0	2.0	1.2	NNW
CALM		14.0						14.0		
TOTAL		74.7	10.7	6.7	4.0	4.0	.0	100.0	1.8	

96.9% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

8/ 1/1995 - 8/31/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	5.2	.0	.0	.0	.0	.0	5.2	.9
NNE	2	5.8	.0	.0	.0	.0	.0	5.8	.9
NE	3	5.2	.0	.0	.0	.0	.0	5.2	.9
ENE	4	5.2	1.3	.0	.0	.0	.0	6.5	1.3
E	5	7.8	1.3	.0	.0	.0	.0	9.1	1.2
ESE	6	3.2	.6	.0	.0	.0	.0	3.9	1.1
SE	7	1.9	1.3	.0	.0	.0	.0	3.2	1.5
SSE	8	1.9	.0	.0	.0	.0	.0	1.9	1.2
S	9	5.8	.0	.0	1.3	.0	.0	7.1	2.4
SSW	10	5.8	.0	1.3	7.1	1.9	.0	16.2	4.7
SW	11	1.3	.6	1.9	5.2	.0	.6	9.7	6.1
WSW	12	3.2	.6	.0	.0	.0	.0	3.9	1.3
W	13	1.9	.0	.0	.0	.0	.0	1.9	1.1
WNW	14	1.3	.0	.0	.0	.0	.0	1.3	1.1
NW	15	3.2	.0	.0	.0	.0	.0	3.2	.7
NNW	16	3.2	.0	.0	.0	.0	.0	3.2	.8
CALM		12.3						12.3	

TOTAL		74.7	5.8	3.2	13.6	1.9	.6	100.0	2.1

99.5% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

9/ 1/1995 - 9/30/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	3.2	.0	.0	.0	.0	.0	3.2	.6
NNE	2	8.0	.0	.0	4.0	.0	.0	12.0	2.9
NE	3	8.0	.0	.0	.0	.0	.0	8.0	.8
ENE	4	9.6	.0	.0	.0	.0	.0	9.6	.9
E	5	4.8	.0	.0	.0	.0	.0	4.8	.9
ESE	6	3.2	.0	.0	.0	.0	.0	3.2	.8
SE	7	1.6	.0	.0	.0	.0	.0	1.6	.6
SSE	8	1.6	.8	.0	.0	.0	.0	2.4	1.3
S	9	5.6	.0	.0	.0	.0	.0	5.6	.9
SSW	10	4.8	.8	.0	.8	.0	.0	6.4	1.9
SW	11	6.4	.8	1.6	4.0	.0	.0	12.8	2.9
WSW	12	4.0	.0	.0	.0	.0	.0	4.0	.7
W	13	3.2	.0	.0	.0	.0	.0	3.2	.5
WNW	14	3.2	.0	.0	.0	.0	.0	3.2	.7
NW	15	1.6	.0	.0	.0	.0	.0	1.6	.7
NNW	16	.0	.8	.0	.0	.0	.0	.8	2.1
CALM		17.6						17.6	
TOTAL		86.4	3.2	1.6	8.8	.0	.0	100.0	1.3

83.5% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

10/ 1/1995 - 10/31/1995
600 - 1000 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	3.3	.0	.0	1.3	.0	.0	4.7	2.4	N
NNE	2	6.7	.0	2.7	8.0	1.3	.0	18.7	4.6	NNE
NE	3	10.0	.7	.0	.0	.0	.0	10.7	1.0	NE
ENE	4	5.3	.0	.7	.0	.0	.0	6.0	1.2	ENE
E	5	9.3	.7	.0	.0	.0	.0	10.0	.9	E
ESE	6	2.0	.0	.0	.0	.0	.0	2.0	.7	ESE
SE	7	2.7	.0	.0	.0	.0	.0	2.7	.9	SE
SSE	8	2.7	.7	.0	.0	.0	.0	3.3	1.1	SSE
S	9	6.0	.7	.0	.0	.0	.0	6.7	1.0	S
SSW	10	4.0	.7	.0	.0	.0	.0	4.7	.9	SSW
SW	11	3.3	.7	.0	.0	.0	.0	4.0	.9	SW
WSW	12	4.0	.7	.0	.0	.0	.0	4.7	1.2	WSW
W	13	4.0	.0	.0	.0	.0	.0	4.0	.7	W
WNW	14	1.3	.0	.0	.0	.0	.0	1.3	.9	WNW
NW	15	1.3	.0	.0	.0	.0	.0	1.3	.7	NW
NNW	16	2.7	.0	.0	.0	.0	.0	2.7	.7	NNW
CALM		12.7						12.7		
TOTAL		81.3	4.7	3.3	9.3	1.3	.0	100.0	1.6	

96.8% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

11/ 1/1995 - 11/30/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.2	1.1	.0	1.1	.0	.0	6.3	2.0
NNE	2	9.5	.0	1.1	3.2	.0	.0	13.7	2.3
NE	3	8.4	.0	.0	.0	.0	.0	8.4	.8
ENE	4	4.2	1.1	.0	.0	.0	.0	5.3	1.0
E	5	7.4	.0	.0	.0	.0	.0	7.4	.9
ESE	6	2.1	.0	.0	.0	.0	.0	2.1	1.0
SE	7	5.3	.0	.0	.0	.0	.0	5.3	.8
SSE	8	3.2	.0	.0	.0	.0	.0	3.2	.7
S	9	7.4	.0	.0	.0	.0	.0	7.4	1.0
SSW	10	3.2	.0	.0	.0	.0	.0	3.2	.9
SW	11	5.3	1.1	1.1	.0	.0	.0	7.4	1.5
WSW	12	6.3	.0	.0	.0	.0	.0	6.3	.9
W	13	4.2	.0	.0	.0	.0	.0	4.2	1.0
WNW	14	.0	1.1	.0	.0	.0	.0	1.1	2.1
NW	15	4.2	.0	.0	.0	.0	.0	4.2	1.0
NNW	16	1.1	2.1	.0	1.1	1.1	.0	5.3	4.8
CALM		9.5						9.5	
TOTAL		85.3	6.3	2.1	5.3	1.1	.0	100.0	1.3

63.6% DATA RECOVERED
20.7% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition

12/ 1/1995 - 12/31/1995
600 - 1000 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	5.7	1.0	.0	.0	.0	.0	6.7	1.2	N
NNE	2	4.8	2.9	.0	5.7	1.0	.0	14.3	4.0	NNE
NE	3	7.6	.0	.0	.0	.0	.0	7.6	1.0	NE
ENE	4	7.6	.0	.0	.0	.0	.0	7.6	1.0	ENE
E	5	6.7	1.0	.0	.0	.0	.0	7.6	1.2	E
ESE	6	6.7	.0	.0	.0	.0	.0	6.7	1.0	ESE
SE	7	3.8	.0	.0	.0	.0	.0	3.8	1.3	SE
SSE	8	1.9	.0	.0	.0	.0	.0	1.9	1.1	SSE
S	9	1.9	.0	.0	.0	.0	.0	1.9	1.2	S
SSW	10	6.7	.0	.0	2.9	1.9	.0	11.4	3.9	SSW
SW	11	3.8	1.0	.0	1.9	.0	.0	6.7	2.9	SW
WSW	12	4.8	1.0	.0	.0	.0	.0	5.7	1.2	WSW
W	13	1.9	.0	.0	.0	.0	.0	1.9	.8	W
WNW	14	2.9	.0	.0	1.9	.0	.0	4.8	3.7	WNW
NW	15	5.7	.0	.0	.0	.0	.0	5.7	1.1	NW
NNW	16	4.8	.0	.0	.0	.0	.0	4.8	.9	NNW
CALM		1.0						1.0		
TOTAL		78.1	6.7	.0	12.4	2.9	.0	100.0	2.1	

67.7% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

1/ 1/1995 - 1/31/1995
1000 - 1600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.3	1.4	.0	.0	.0	.0	3.7	1.4
NNE	2	3.7	.9	1.4	.0	.0	.0	6.0	1.9
NE	3	4.1	2.3	.0	.0	.0	.0	6.5	1.4
ENE	4	3.7	.0	.5	.0	.0	.0	4.1	1.3
E	5	7.4	3.2	.0	.0	.0	.0	10.6	1.5
ESE	6	5.1	1.8	.5	.0	.0	.0	7.4	1.6
SE	7	7.4	2.3	2.3	.5	.0	.0	12.4	2.0
SSE	8	1.4	1.4	.0	.0	.0	.0	2.8	1.5
S	9	3.7	.5	.5	.0	.0	.0	4.6	1.4
SSW	10	1.8	.9	.0	.5	.0	.0	3.2	2.2
SW	11	3.7	.5	1.4	5.5	.0	.0	11.1	4.3
WSW	12	1.8	.0	1.4	.5	.0	.0	3.7	2.6
W	13	1.8	.0	.5	.5	.0	.0	2.8	2.4
WNW	14	1.8	.5	.0	.0	.0	.0	2.3	1.4
NW	15	1.4	2.3	1.4	.0	.0	.0	5.1	2.5
NNW	16	1.8	1.4	.5	.5	.0	.0	4.1	2.6
CALM		9.7						9.7	
TOTAL		62.7	19.4	10.1	7.8	.0	.0	100.0	1.9

100.0% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)
CALM WS <= .5
1 .5< WS <= 1.8
2 1.8< WS <= 3.3
3 3.3< WS <= 5.4
4 5.4< WS <= 8.5
5 8.5< WS <=10.8
6 10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

2/ 1/1995 - 2/28/1995
1000 - 1600 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	1.0	.0	.0	.0	.0	.0	1.0	.9	N
NNE	2	3.1	.5	.0	.5	.0	.0	4.1	1.8	NNE
NE	3	3.6	.5	.0	.0	.0	.0	4.1	1.2	NE
ENE	4	3.1	.5	1.0	.0	.0	.0	4.6	1.8	ENE
E	5	3.6	2.0	1.5	.0	.0	.0	7.1	2.2	E
ESE	6	4.6	.5	.0	.0	.0	.0	5.1	1.1	ESE
SE	7	8.2	.5	.0	.0	.0	.0	8.7	1.0	SE
SSE	8	8.2	1.0	.0	.0	.0	.0	9.2	1.0	SSE
S	9	4.1	1.5	.5	.0	.0	.0	6.1	1.6	S
SSW	10	5.6	2.0	1.0	.5	2.6	.0	11.7	3.7	SSW
SW	11	2.0	1.0	5.1	6.6	.5	.5	15.8	5.1	SW
WSW	12	2.0	.0	2.0	.5	.0	.0	4.6	2.9	WSW
W	13	1.0	.0	.0	.0	.0	.0	1.0	1.6	W
WNW	14	2.6	.0	.0	.0	.0	.0	2.6	.7	WNW
NW	15	.5	.0	.0	.0	.0	.0	.5	.5	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		13.8						13.8		
TOTAL		66.8	10.2	11.2	8.2	3.1	.5	100.0	2.1	

100.0% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

3/ 1/1995 - 3/31/1995
1000 - 1600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.9	.9	3.7	.0	.0	.0	5.5	3.7
NNE	2	3.7	2.3	2.8	2.3	.0	.0	11.1	3.1
NE	3	1.4	1.4	.5	1.8	.0	.0	5.1	3.4
ENE	4	2.8	.5	.0	.0	.0	.0	3.2	1.1
E	5	2.8	.0	.0	.0	.0	.0	2.8	1.2
ESE	6	1.8	.5	.0	.0	.0	.0	2.3	1.4
SE	7	3.7	1.4	.0	.0	.0	.0	5.1	1.5
SSE	8	4.1	.5	.0	.0	.0	.0	4.6	1.3
S	9	3.2	.5	.5	.5	.0	.0	4.6	2.1
SSW	10	3.7	.0	.9	4.6	8.3	2.8	20.3	7.4
SW	11	.9	3.7	1.8	6.9	2.8	.5	16.6	5.9
WSW	12	.5	.9	2.3	.0	.0	.0	3.7	3.6
W	13	.9	.5	.0	.0	.0	.0	1.4	2.1
WNW	14	2.3	.5	.5	.0	.0	.0	3.2	1.9
NW	15	2.8	.5	.0	.9	.0	.0	4.1	2.2
NNW	16	.9	.5	.5	.5	.0	.0	2.3	3.1
CALM		4.1						4.1	
TOTAL		40.6	14.3	13.4	17.5	11.1	3.2	100.0	3.9

100.0% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

4/ 1/1995 - 4/30/1995
1000 - 1600 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	1.0	.5	2.9	3.8	.0	.0	8.1	5.3	N
NNE	2	1.9	3.3	2.9	5.7	1.0	.0	14.8	4.8	NNE
NE	3	1.4	2.4	2.4	.0	.0	.0	6.2	3.0	NE
ENE	4	.5	1.4	.5	.0	.0	.0	2.4	2.5	ENE
E	5	1.0	.0	.0	.0	.0	.0	1.0	1.3	E
ESE	6	1.4	.0	.0	.0	.0	.0	1.4	1.2	ESE
SE	7	1.4	.0	.0	.0	.0	.0	1.4	1.3	SE
SSE	8	1.4	1.0	.0	.0	.0	.0	2.4	1.2	SSE
S	9	2.4	1.0	.0	.5	.0	.0	3.8	2.4	S
SSW	10	.5	5.2	3.3	4.8	1.9	3.3	19.0	6.3	SSW
SW	11	1.0	3.8	9.5	14.3	2.4	.0	31.0	5.7	SW
WSW	12	.0	.5	1.0	.5	.0	.0	1.9	4.5	WSW
W	13	1.0	.0	.5	.0	.0	.0	1.4	2.1	W
WNW	14	.5	1.0	.0	.0	.0	.0	1.4	2.0	WNW
NW	15	.5	1.4	.0	.0	.0	.0	1.9	2.3	NW
NNW	16	.0	.5	.5	.5	.0	.0	1.4	5.1	NNW
CALM		.5						.5		
TOTAL		16.2	21.9	23.3	30.0	5.2	3.3	100.0	4.8	

100.0% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

5/ 1/1995 - 5/31/1995
1000 - 1600 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.5	1.4	.5	.0	.0	.0	2.3	2.8	N
NNE	2	.5	1.4	1.4	.0	.0	.0	3.2	3.1	NNE
NE	3	.0	.9	.5	.0	.0	.0	1.4	3.4	NE
ENE	4	1.4	3.7	.9	.0	.0	.0	6.0	2.3	ENE
E	5	.5	.5	.5	.0	.0	.0	1.4	2.7	E
ESE	6	2.3	.9	.0	.0	.0	.0	3.2	1.6	ESE
SE	7	.9	1.4	.0	.0	.0	.0	2.3	2.1	SE
SSE	8	.5	.5	.0	.0	.0	.0	.9	1.9	SSE
S	9	.9	2.8	.0	.0	.0	.0	3.7	2.0	S
SSW	10	.0	3.7	7.4	2.3	3.2	.9	17.5	5.7	SSW
SW	11	.9	6.0	12.0	9.2	5.1	.5	33.6	5.4	SW
WSW	12	.9	1.4	3.2	2.8	.0	.0	8.3	4.4	WSW
W	13	.5	.9	1.8	1.4	.0	.0	4.6	4.1	W
WNW	14	.0	2.3	.9	.5	.0	.0	3.7	3.3	WNW
NW	15	.0	1.4	1.8	.9	.0	.0	4.1	4.3	NW
NNW	16	.0	1.4	2.3	.0	.0	.0	3.7	3.7	NNW
CALM		.0						.0		
TOTAL		9.7	30.4	33.2	17.1	8.3	1.4	100.0	4.4	

100.0% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

6/ 1/1995 - 6/30/1995
1000 - 1600 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.5	.5	.0	.0	.0	.0	1.0	1.9	N
NNE	2	1.4	3.3	1.0	.5	.5	.0	6.7	3.4	NNE
NE	3	.5	3.8	.5	.0	.5	.0	5.2	3.4	NE
ENE	4	.0	3.3	.0	.0	.0	.0	3.3	2.4	ENE
E	5	.5	1.9	.0	.0	.0	.0	2.4	2.0	E
ESE	6	1.0	1.4	.0	.0	.0	.0	2.4	1.9	ESE
SE	7	.0	.5	1.9	.0	.0	.0	2.4	4.2	SE
SSE	8	1.9	1.9	.5	.0	.0	.0	4.3	2.1	SSE
S	9	.5	3.3	.5	.0	.0	.0	4.3	2.4	S
SSW	10	1.0	2.4	4.8	7.1	4.8	3.8	23.8	7.2	SSW
SW	11	.5	3.3	8.6	13.3	2.4	1.0	29.0	6.0	SW
WSW	12	.5	1.4	.0	3.3	.0	.0	5.2	4.8	WSW
W	13	1.4	.5	1.4	.0	.0	.0	3.3	2.8	W
WNW	14	1.0	1.0	.5	.5	.0	.0	2.9	2.9	WNW
NW	15	.0	1.0	.5	.5	.0	.0	1.9	3.6	NW
NNW	16	.0	1.9	.0	.0	.0	.0	1.9	2.5	NNW
CALM		.0						.0		
TOTAL		10.5	31.4	20.0	25.2	8.1	4.8	100.0	4.9	

100.0% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

7/ 1/1995 - 7/31/1995
1000 - 1600 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N
NNE	2	1.9	.5	.0	.0	.0	.0	2.4	1.7	NNE
NE	3	.5	.5	.0	.0	.0	.0	1.0	2.2	NE
ENE	4	.0	.5	.0	.0	.0	.0	.5	2.2	ENE
E	5	1.0	.0	.0	.5	.0	.0	1.4	2.7	E
ESE	6	.0	1.4	.5	.0	.0	.0	1.9	2.6	ESE
SE	7	1.0	.5	.5	.0	.0	.0	1.9	2.1	SE
SSE	8	1.4	1.4	.5	.0	.0	.0	3.3	2.0	SSE
S	9	1.9	.5	.5	1.4	.0	.0	4.3	3.8	S
SSW	10	1.0	2.4	4.3	9.5	9.5	.0	26.7	6.9	SSW
SW	11	.0	6.2	13.8	23.3	1.9	.0	45.2	5.5	SW
WSW	12	.5	1.4	1.4	1.0	.0	.0	4.3	3.6	WSW
W	13	1.9	1.0	.0	.0	.0	.0	2.9	1.7	W
WNW	14	.0	.0	.5	.0	.0	.0	.5	4.7	WNW
NW	15	.5	.0	.5	2.4	.0	.0	3.3	5.7	NW
NNW	16	.5	.0	.0	.0	.0	.0	.5	1.1	NNW
CALM		.0						.0		
TOTAL		11.9	16.2	22.4	38.1	11.4	.0	100.0	5.2	

96.9% DATA RECOVERED
29.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

8/ 1/1995 - 8/31/1995
1000 - 1600 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.5	.0	.0	.0	.0	.0	.5	1.2	N
NNE	2	.9	.0	.0	.0	.0	.0	.9	.9	NNE
NE	3	.0	.0	.0	.0	.0	.0	.0	.0	NE
ENE	4	.9	.5	.0	.0	.0	.0	1.4	1.6	ENE
E	5	.9	.0	.0	.0	.0	.0	.9	.9	E
ESE	6	.0	.9	.5	.0	.0	.0	1.4	2.8	ESE
SE	7	1.9	.9	.0	.0	.0	.0	2.8	1.5	SE
SSE	8	1.4	1.9	.5	.5	.0	.0	4.2	2.5	SSE
S	9	.9	2.3	.5	1.4	.0	.0	5.2	3.7	S
SSW	10	1.9	.9	1.9	21.6	5.2	.0	31.5	6.9	SSW
SW	11	.9	.5	6.6	27.2	4.7	1.9	41.8	6.8	SW
WSW	12	.0	1.9	2.3	.0	.0	.0	4.2	3.6	WSW
W	13	1.4	.5	.0	.0	.0	.0	1.9	1.7	W
WNW	14	.9	.0	.0	.0	.0	.0	.9	1.1	WNW
NW	15	.5	.5	.0	.0	.0	.0	.9	1.6	NW
NNW	16	.9	.5	.0	.0	.0	.0	1.4	1.7	NNW
CALM		.0						.0		
TOTAL		14.1	11.3	12.2	50.7	9.9	1.9	100.0	5.7	

99.5% DATA RECOVERED
28.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

9/ 1/1995 - 9/30/1995
1000 - 1600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.1	.6	1.1	.0	.0	.0	2.9	2.7
NNE	2	1.1	.6	1.1	.6	.0	.0	3.4	3.3
NE	3	2.3	.6	.6	.0	.0	.0	3.4	2.0
ENE	4	3.4	.6	.0	.0	.0	.0	4.0	1.3
E	5	2.3	2.9	.6	.0	.0	.0	5.7	2.1
ESE	6	1.1	1.1	.0	.0	.0	.0	2.3	1.7
SE	7	.0	.0	2.3	.0	.0	.0	2.3	4.3
SSE	8	1.1	.6	1.1	.0	.0	.0	2.9	2.6
S	9	2.3	1.7	.6	.0	.0	.0	4.6	2.1
SSW	10	1.1	3.4	2.9	7.4	1.1	.0	16.0	5.3
SW	11	2.9	2.3	13.1	22.3	1.7	.0	42.3	5.5
WSW	12	2.3	1.1	.6	.6	.0	.0	4.6	2.4
W	13	1.1	.6	.0	.0	.0	.0	1.7	1.5
WNW	14	.0	1.7	.0	.0	.0	.0	1.7	2.1
NW	15	.6	.0	.0	.0	.0	.0	.6	1.5
NNW	16	.6	.6	.0	.0	.0	.0	1.1	1.6
CALM		.6						.6	
TOTAL		24.0	18.3	24.0	30.9	2.9	.0	100.0	4.1

83.5% DATA RECOVERED
29.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

10/ 1/1995 - 10/31/1995
1000 - 1600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	.0	.0	1.4	.0	.0	1.4	6.5
NNE	2	2.4	.5	1.4	4.8	.0	.0	9.0	4.8
NE	3	5.7	.5	.5	.0	.0	.0	6.7	1.3
ENE	4	4.8	1.4	.5	.0	.0	.0	6.7	1.6
E	5	5.7	3.3	.0	.0	.0	.0	9.0	1.6
ESE	6	4.3	.0	.0	.0	.0	.0	4.3	1.2
SE	7	1.4	.0	.0	.0	.0	.0	1.4	1.1
SSE	8	5.2	1.0	.0	.0	.0	.0	6.2	1.2
S	9	3.3	.5	.0	.0	.0	.0	3.8	1.3
SSW	10	5.2	4.3	1.4	2.9	1.0	.0	14.8	3.2
SW	11	2.9	3.3	11.4	6.2	.0	.0	23.8	4.2
WSW	12	1.9	.5	1.0	.0	.0	.0	3.3	2.3
W	13	1.4	.0	.0	.0	.0	.0	1.4	1.2
WNW	14	.5	.0	.0	.0	.0	.0	.5	.7
NW	15	.5	.0	.0	.0	.0	.0	.5	1.1
NNW	16	2.9	.0	.0	.0	.0	.0	2.9	.8
CALM		4.3						4.3	

TOTAL		52.4	15.2	16.2	15.2	1.0	.0	100.0	2.6

96.8% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

11/ 1/1995 - 11/30/1995

1000 - 1600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.3	1.5	4.5	.8	.0	.0	9.0	3.5
NNE	2	.8	1.5	3.0	.8	.0	.0	6.0	3.4
NE	3	6.0	1.5	.0	.0	.0	.0	7.5	1.0
ENE	4	9.8	.8	.0	.0	.0	.0	10.5	1.0
E	5	5.3	.8	.0	.0	.0	.0	6.0	1.1
ESE	6	1.5	.0	.0	.0	.0	.0	1.5	.8
SE	7	3.0	.8	.0	.0	.0	.0	3.8	1.2
SSE	8	3.0	.8	.0	.0	.0	.0	3.8	1.1
S	9	2.3	.0	.8	.0	.0	.0	3.0	1.8
SSW	10	.0	2.3	2.3	.0	.0	.0	4.5	3.2
SW	11	1.5	3.0	9.0	4.5	.0	.0	18.0	4.0
WSW	12	.8	1.5	1.5	.0	.0	.0	3.8	2.4
W	13	.8	.8	.0	.0	.0	.0	1.5	1.9
WNW	14	2.3	.0	.0	.0	.0	.0	2.3	.6
NW	15	1.5	.0	.0	.0	.0	.0	1.5	.6
NNW	16	.0	.8	1.5	1.5	.0	.0	3.8	5.1
CALM		13.5						13.5	
TOTAL		54.1	15.8	22.6	7.5	.0	.0	100.0	2.1

63.6% DATA RECOVERED
29.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day

12/ 1/1995 - 12/31/1995
1000 - 1600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.1	.0	2.0	4.1	.7	.0	10.9	4.5
NNE	2	7.5	1.4	2.0	1.4	.7	.0	12.9	2.5
NE	3	5.4	1.4	.0	.0	.0	.0	6.8	1.2
ENE	4	10.9	2.0	.0	.0	.0	.0	12.9	1.2
E	5	10.2	1.4	.0	.0	.0	.0	11.6	1.3
ESE	6	3.4	.7	.0	.0	.0	.0	4.1	1.0
SE	7	2.0	.0	.0	.0	.0	.0	2.0	1.1
SSE	8	2.0	1.4	.0	.0	.0	.0	3.4	1.4
S	9	3.4	.7	.0	.0	.0	.0	4.1	1.2
SSW	10	.0	.0	1.4	3.4	1.4	3.4	9.5	9.0
SW	11	.7	.0	2.0	1.4	.0	.0	4.1	4.7
WSW	12	.7	.7	.0	.0	.0	.0	1.4	1.3
W	13	.0	.0	.0	.0	.0	.0	.0	.0
WNW	14	2.0	.0	.0	1.4	.0	.0	3.4	3.4
NW	15	1.4	.0	.0	.0	1.4	.0	2.7	5.0
NNW	16	2.0	.7	.7	.7	.0	.0	4.1	2.9
CALM		6.1						6.1	
TOTAL		61.9	10.2	8.2	12.2	4.1	3.4	100.0	2.8

67.7% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

1/ 1/1995 - 1/31/1995
1600 - 2000 (PST)

WIND SPEED CLASS									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.5	1.3	.0	.0	.0	.0	5.8	1.5
NNE	2	6.5	.6	.0	.0	.0	.0	7.1	1.3
NE	3	3.2	2.6	.0	.0	.0	.0	5.8	1.6
ENE	4	3.2	.6	.0	.0	.0	.0	3.9	1.3
E	5	4.5	1.9	.0	.0	.0	.0	6.5	1.5
ESE	6	.6	.0	.0	.0	.0	.0	.6	.8
SE	7	1.9	.6	.6	.6	.0	.0	3.9	2.9
SSE	8	1.3	1.3	1.9	.0	.0	.0	4.5	2.4
S	9	3.2	1.9	.6	.0	.0	.0	5.8	1.8
SSW	10	3.2	.0	.6	.6	.0	.0	4.5	2.6
SW	11	9.7	1.3	1.3	.6	.0	.0	12.9	2.0
WSW	12	4.5	1.3	.0	.0	.0	.0	5.8	1.4
W	13	3.9	.6	.0	.0	.0	.0	4.5	1.3
WNW	14	7.7	1.9	.0	.0	.0	.0	9.7	1.5
NW	15	4.5	5.2	.0	.0	.0	.0	9.7	1.7
NNW	16	5.2	1.3	.0	.0	.0	.0	6.5	1.5
CALM		2.6						2.6	
TOTAL		70.3	22.6	5.2	1.9	.0	.0	100.0	1.7

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

2/ 1/1995 - 2/28/1995
1600 - 2000 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	3.6	1.4	.0	.0	.0	.0	5.0	1.4	N
NNE	2	2.1	1.4	2.9	.7	.0	.0	7.1	3.1	NNE
NE	3	1.4	1.4	1.4	.0	.0	.0	4.3	2.4	NE
ENE	4	4.3	.7	.7	.0	.0	.0	5.7	1.5	ENE
E	5	2.1	2.1	.0	.0	.0	.0	4.3	1.9	E
ESE	6	.7	.7	.0	.0	.0	.0	1.4	1.8	ESE
SE	7	2.9	1.4	.0	.0	.0	.0	4.3	1.5	SE
SSE	8	1.4	.0	.0	.0	.0	.0	1.4	1.3	SSE
S	9	4.3	.7	.0	.0	.0	.0	5.0	1.2	S
SSW	10	7.1	3.6	.0	1.4	2.1	.0	14.3	3.3	SSW
SW	11	5.7	2.9	2.1	1.4	.0	.0	12.1	2.6	SW
WSW	12	5.0	1.4	1.4	.0	.0	.0	7.9	1.8	WSW
W	13	5.7	2.1	.0	.0	.0	.0	7.9	1.6	W
WNW	14	2.9	.0	.0	.0	.0	.0	2.9	1.0	WNW
NW	15	5.0	2.9	.0	.0	.0	.0	7.9	1.6	NW
NNW	16	2.9	2.1	.7	.0	.0	.0	5.7	2.1	NNW
CALM		2.9						2.9		
TOTAL		60.0	25.0	9.3	3.6	2.1	.0	100.0	2.1	

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

3/ 1/1995 - 3/31/1995

1600 - 2000 (PST)

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	1.9	.6	.6	.6	.0	.0	3.9	2.8	N
NNE	2	1.3	4.5	1.9	1.3	.0	.0	9.0	3.2	NNE
NE	3	1.3	1.3	.0	.0	.0	.0	2.6	1.7	NE
ENE	4	.6	.6	.0	.0	.0	.0	1.3	1.7	ENE
E	5	2.6	.0	.0	.0	.0	.0	2.6	1.1	E
ESE	6	1.9	.0	.0	.0	.0	.0	1.9	1.0	ESE
SE	7	.6	1.3	.0	.0	.0	.0	1.9	2.0	SE
SSE	8	1.9	1.3	1.3	.0	.0	.0	4.5	2.6	SSE
S	9	1.3	1.3	1.3	1.3	.6	.0	5.8	4.4	S
SSW	10	4.5	1.9	1.9	4.5	5.2	2.6	20.6	6.3	SSW
SW	11	7.1	9.7	2.6	3.2	.6	.0	23.2	3.1	SW
WSW	12	.6	2.6	.6	.0	.0	.0	3.9	2.5	WSW
W	13	1.9	.0	.0	.6	.0	.0	2.6	2.8	W
WNW	14	1.9	.6	.6	.0	.0	.0	3.2	2.4	WNW
NW	15	5.8	1.9	.0	1.3	.0	.0	9.0	2.3	NW
NNW	16	1.3	.6	1.3	.0	.0	.0	3.2	2.6	NNW
CALM		/ .6							.6	
TOTAL		37.4	28.4	12.3	12.9	6.5	2.6	100.0	3.5	

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

4/ 1/1995 - 4/30/1995
1600 - 2000 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	2.0	1.3	.7	2.7	.0	.0	6.7	3.9	N
NNE	2	3.3	2.0	2.0	3.3	1.3	.0	12.0	4.4	NNE
NE	3	3.3	2.0	2.7	.0	.0	.0	8.0	2.7	NE
ENE	4	.7	.7	.7	.0	.0	.0	2.0	2.6	ENE
E	5	.0	.0	.0	.0	.0	.0	.0	.0	E
ESE	6	.7	.0	.0	.0	.0	.0	.7	.9	ESE
SE	7	.7	.7	.0	.0	.0	.0	1.3	1.5	SE
SSE	8	.7	.7	.0	.0	.0	.0	1.3	2.2	SSE
S	9	3.3	.0	1.3	.7	.0	.0	5.3	2.8	S
SSW	10	.7	2.0	3.3	7.3	2.0	2.7	18.0	6.9	SSW
SW	11	4.0	6.0	7.3	5.3	1.3	.0	24.0	4.1	SW
WSW	12	2.0	2.7	.7	.0	.0	.0	5.3	2.3	WSW
W	13	1.3	1.3	.7	.0	.0	.0	3.3	2.2	W
WNW	14	2.7	.7	.0	.0	.0	.0	3.3	1.3	WNW
NW	15	2.7	.0	.0	.0	.7	.0	3.3	3.0	NW
NNW	16	2.7	2.7	.0	.0	.0	.0	5.3	1.6	NNW
CALM		.0						.0		
TOTAL		30.7	22.7	19.3	19.3	5.3	2.7	100.0	3.9	

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

5/ 1/1995 - 5/31/1995
1600 - 2000 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	1.3	.0	.6	.0	.0	.0	1.9	2.5	N
NNE	2	.0	3.9	.0	.6	.0	.0	4.5	3.2	NNE
NE	3	.6	1.3	1.9	.6	.0	.0	4.5	3.7	NE
ENE	4	3.2	1.3	1.3	.0	.0	.0	5.8	2.0	ENE
E	5	.6	1.3	.0	.0	.0	.0	1.9	2.0	E
ESE	6	.6	.0	.0	.0	.0	.0	.6	1.5	ESE
SE	7	.6	.0	.0	.0	.0	.0	.6	1.0	SE
SSE	8	1.3	.0	.0	.0	.0	.0	1.3	.8	SSE
S	9	1.9	.0	.6	.0	.0	.0	2.6	2.2	S
SSW	10	3.9	2.6	1.9	5.8	1.3	2.6	18.1	5.7	SSW
SW	11	2.6	7.1	9.7	5.2	1.3	.0	25.8	4.2	SW
WSW	12	1.9	2.6	5.8	1.3	.0	.0	11.6	3.4	WSW
W	13	1.3	2.6	.6	.0	.0	.0	4.5	2.4	W
WNW	14	2.6	.6	.6	.0	.0	.0	3.9	1.8	WNW
NW	15	1.9	.0	1.9	1.3	.0	.0	5.2	3.9	NW
NNW	16	3.2	.6	1.9	1.3	.0	.0	7.1	2.9	NNW
CALM		.0						.0		
TOTAL		27.7	23.9	27.1	16.1	2.6	2.6	100.0	3.7	

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

6/ 1/1995 - 6/30/1995
1600 - 2000 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	3.3	.7	.0	2.7	3.3	.7	10.7	6.0	N
NNE	2	1.3	7.3	.7	3.3	.7	.0	13.3	4.0	NNE
NE	3	3.3	1.3	.0	.0	.0	.0	4.7	1.7	NE
ENE	4	.0	1.3	.7	.0	.0	.0	2.0	3.0	ENE
E	5	1.3	.7	.0	.7	.0	.0	2.7	2.8	E
ESE	6	.0	.7	.0	.0	.0	.0	.7	2.9	ESE
SE	7	.7	.0	.0	.0	.0	.0	.7	1.3	SE
SSE	8	.7	.7	.0	.0	.0	.0	1.3	1.9	SSE
S	9	.7	.7	.7	.7	.7	.0	3.3	4.2	S
SSW	10	2.7	2.0	8.0	8.7	1.3	.0	22.7	5.3	SSW
SW	11	5.3	4.0	4.7	11.3	.0	.7	26.0	4.7	SW
WSW	12	2.0	.7	.0	.7	.0	.0	3.3	2.6	WSW
W	13	2.0	.7	1.3	.0	.0	.0	4.0	2.5	W
WNW	14	2.0	.0	.7	.0	.0	.0	2.7	1.9	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.7	.7	.0	.0	.7	2.0	6.8	NNW
CALM		.0						.0		
TOTAL		25.3	21.3	17.3	28.0	6.0	2.0	100.0	4.4	

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

7/ 1/1995 - 7/31/1995
1600 - 2000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.3	.0	.0	.7	.0	.0	2.0	3.1
NNE	2	2.0	.0	.7	.0	.0	.0	2.7	1.8
NE	3	.0	.7	.0	.0	.0	.0	.7	3.1
ENE	4	1.3	.0	.0	.0	.0	.0	1.3	1.4
E	5	2.0	.7	.0	.0	.0	.0	2.7	1.7
ESE	6	.7	.7	.7	.0	.0	.0	2.0	2.5
SE	7	.7	.0	.7	.0	.0	.0	1.3	2.4
SSE	8	.7	1.3	.0	.0	.0	.0	2.0	2.3
S	9	1.3	2.0	2.0	.7	.0	.0	6.0	3.5
SSW	10	3.3	2.7	2.0	9.3	.7	.0	18.0	5.0
SW	11	5.3	11.3	11.3	17.3	1.3	.0	46.7	4.4
WSW	12	2.0	3.3	2.0	.0	.0	.0	7.3	2.5
W	13	.7	.0	.0	.0	.0	.0	.7	1.4
WNW	14	.7	.0	1.3	.0	.0	.0	2.0	3.3
NW	15	1.3	.7	.0	.7	.0	.0	2.7	3.0
NNW	16	.7	.0	.7	.7	.0	.0	2.0	4.4
CALM		.0						.0	
TOTAL		24.0	23.3	21.3	29.3	2.0	.0	100.0	3.9

96.9% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)
CALM WS <= .5
1 .5< WS <= 1.8
2 1.8< WS <= 3.3
3 3.3< WS <= 5.4
4 5.4< WS <= 8.5
5 8.5< WS <= 10.8
6 10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

8/ 1/1995 - 8/31/1995
1600 - 2000 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	3.9	.0	.0	.0	.0	.0	3.9	1.1
NNE	2	2.6	.0	.0	.0	.0	.0	2.6	1.0
NE	3	1.9	.0	.0	.0	.0	.0	1.9	1.4
ENE	4	1.3	.0	.0	.0	.0	.0	1.3	1.3
E	5	.6	.0	.0	.0	.0	.0	.6	1.1
ESE	6	.6	.6	.0	.0	.0	.0	1.3	1.8
SE	7	.0	.0	.6	.0	.0	.0	.6	3.6
SSE	8	.0	.0	1.9	.0	.0	.0	1.9	4.3
S	9	2.6	.6	1.3	.6	.0	.0	5.2	3.1
SSW	10	3.2	4.5	5.2	11.6	.6	.0	25.2	4.8
SW	11	5.2	9.0	11.6	14.2	1.9	.0	41.9	4.6
WSW	12	3.2	1.3	1.9	.0	.0	.0	6.5	2.2
W	13	.6	.6	.0	.0	.0	.0	1.3	1.6
WNW	14	2.6	.0	.0	.0	.0	.0	2.6	1.1
NW	15	.6	.6	.0	.0	.0	.0	1.3	1.7
NNW	16	1.9	.0	.0	.0	.0	.0	1.9	1.0
CALM		.0						.0	
TOTAL		31.0	17.4	22.6	26.5	2.6	.0	100.0	3.8

99.5% DATA RECOVERED
20.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

9/ 1/1995 - 9/30/1995
1600 - 2000 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	3.2	.8	.0	.0	.0	.0	4.0	1.1	N
NNE	2	3.2	.0	1.6	.0	.0	.0	4.8	2.5	NNE
NE	3	4.8	.8	.0	.0	.0	.0	5.6	1.4	NE
ENE	4	4.8	.0	.0	.0	.0	.0	4.8	1.3	ENE
E	5	.8	1.6	.0	.0	.0	.0	2.4	2.2	E
ESE	6	.8	.8	.0	.0	.0	.0	1.6	1.9	ESE
SE	7	1.6	.8	1.6	.0	.0	.0	4.0	3.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	2.4	.0	.8	.0	.0	.0	3.2	1.7	S
SSW	10	5.6	4.8	5.6	3.2	.0	.0	19.2	3.3	SSW
SW	11	6.4	4.8	10.4	9.6	.0	.0	31.2	4.1	SW
WSW	12	4.0	.8	2.4	.0	.0	.0	7.2	2.3	WSW
W	13	1.6	.8	.0	.0	.0	.0	2.4	1.7	W
WNW	14	.8	.0	.0	.0	.0	.0	.8	1.6	WNW
NW	15	1.6	.8	.0	.0	.0	.0	2.4	1.7	NW
NNW	16	5.6	.8	.0	.0	.0	.0	6.4	1.2	NNW
CALM		.0						.0		
TOTAL		47.2	17.6	22.4	12.8	.0	.0	100.0	2.8	

83.5% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES	
(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

10/ 1/1995 - 10/31/1995
1600 - 2000 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	7.3	2.0	2.0	.7	.0	.0	12.0	2.1	N
NNE	2	1.3	.7	.7	.7	.0	.0	3.3	3.2	NNE
NE	3	2.7	2.0	.0	.0	.0	.0	4.7	1.8	NE
ENE	4	2.7	1.3	.0	.0	.0	.0	4.0	1.4	ENE
E	5	4.0	.0	.0	.0	.0	.0	4.0	1.1	E
ESE	6	1.3	.7	.0	.0	.0	.0	2.0	1.8	ESE
SE	7	.7	.0	.0	.0	.0	.0	.7	.9	SE
SSE	8	2.7	.7	.0	.0	.0	.0	3.3	1.3	SSE
S	9	4.0	1.3	.0	.0	.0	.0	5.3	1.5	S
SSW	10	4.7	2.7	.7	1.3	.0	.0	9.3	2.4	SSW
SW	11	9.3	6.7	4.0	1.3	.0	.0	21.3	2.5	SW
WSW	12	8.0	2.0	.0	.0	.0	.0	10.0	1.5	WSW
W	13	4.7	.7	.0	.0	.0	.0	5.3	1.3	W
WNW	14	4.7	.7	.0	.0	.0	.0	5.3	1.3	WNW
NW	15	6.0	.0	.0	.0	.0	.0	6.0	1.2	NW
NNW	16	2.0	.7	.0	.0	.0	.0	2.7	1.6	NNW
CALM		.7						.7		
TOTAL		66.7	22.0	7.3	4.0	.0	.0	100.0	1.9	

96.8% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

11/ 1/1995 - 11/30/1995
1600 - 2000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	5.3	1.1	2.1	.0	.0	.0	8.4	2.4
NNE	2	4.2	2.1	.0	.0	.0	.0	6.3	1.5
NE	3	5.3	4.2	.0	.0	.0	.0	9.5	1.5
ENE	4	1.1	.0	.0	.0	.0	.0	1.1	.9
E	5	2.1	.0	.0	.0	.0	.0	2.1	1.3
ESE	6	3.2	.0	.0	.0	.0	.0	3.2	1.2
SE	7	3.2	.0	.0	.0	.0	.0	3.2	.9
SSE	8	1.1	.0	.0	.0	.0	.0	1.1	1.5
S	9	3.2	1.1	.0	.0	.0	.0	4.2	1.2
SSW	10	7.4	6.3	1.1	.0	.0	.0	14.7	1.7
SW	11	6.3	2.1	2.1	.0	.0	.0	10.5	2.2
WSW	12	10.5	1.1	2.1	.0	.0	.0	13.7	1.6
W	13	2.1	.0	.0	.0	.0	.0	2.1	1.0
WNW	14	4.2	.0	.0	.0	.0	.0	4.2	1.2
NW	15	6.3	2.1	.0	.0	.0	.0	8.4	1.5
NNW	16	4.2	1.1	.0	1.1	.0	.0	6.3	2.0
CALM		1.1						1.1	
TOTAL		70.5	21.1	7.4	1.1	.0	.0	100.0	1.6

63.6% DATA RECOVERED
20.7% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition

12/ 1/1995 - 12/31/1995
1600 - 2000 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	5.7	1.9	.0	1.0	1.0	.0	9.5	2.9	N
NNE	2	5.7	3.8	2.9	4.8	.0	.0	17.1	3.8	NNE
NE	3	3.8	1.9	.0	.0	.0	.0	5.7	1.7	NE
ENE	4	3.8	1.0	.0	.0	.0	.0	4.8	1.2	ENE
E	5	2.9	.0	.0	.0	.0	.0	2.9	1.1	E
ESE	6	1.0	.0	.0	.0	.0	.0	1.0	.9	ESE
SE	7	1.0	.0	.0	.0	.0	.0	1.0	1.0	SE
SSE	8	2.9	.0	.0	.0	.0	.0	2.9	1.0	SSE
S	9	2.9	1.0	.0	.0	.0	.0	3.8	1.3	S
SSW	10	2.9	1.0	1.9	1.9	3.8	1.0	12.4	5.8	SSW
SW	11	5.7	1.0	2.9	.0	.0	.0	9.5	2.3	SW
WSW	12	2.9	.0	.0	.0	.0	.0	2.9	1.0	WSW
W	13	2.9	1.0	.0	.0	.0	.0	3.8	1.3	W
WNW	14	5.7	.0	.0	.0	.0	.0	5.7	1.2	WNW
NW	15	7.6	1.9	.0	.0	.0	.0	9.5	1.5	NW
NNW	16	5.7	1.9	.0	.0	.0	.0	7.6	1.4	NNW
CALM		.0						.0		
TOTAL		62.9	16.2	7.6	7.6	4.8	1.0	100.0	2.5	

67.7% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

1/ 1/1995 - 1/31/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.7	.6	.0	.0	.0	.0	5.3	1.4
NNE	2	5.0	.3	.6	.0	.0	.0	5.9	1.4
NE	3	2.1	1.2	.9	.0	.0	.0	4.1	2.1
ENE	4	1.8	.3	.0	.0	.0	.0	2.1	1.2
E	5	1.8	.0	.0	.0	.0	.0	1.8	.9
ESE	6	2.3	.0	.0	.0	.0	.0	2.3	1.0
SE	7	1.8	.0	.3	.0	.0	.0	2.1	1.4
SSE	8	1.2	.0	.0	.0	.0	.0	1.2	.9
S	9	2.6	.9	.0	.0	.0	.0	3.5	1.4
SSW	10	8.5	.6	.3	2.3	1.5	.0	13.2	3.3
SW	11	10.3	.9	.3	.3	.0	.0	11.7	1.3
WSW	12	10.6	.3	.0	.0	.0	.0	10.9	1.1
W	13	7.3	.6	.0	.0	.0	.0	7.9	1.2
WNW	14	6.7	2.9	.6	.0	.0	.0	10.3	1.6
NW	15	6.5	4.1	.3	.0	.0	.0	10.9	1.7
NNW	16	5.9	.9	.0	.0	.0	.0	6.7	1.2
CALM		.3						.3	
TOTAL		79.2	13.5	3.2	2.6	1.5	.0	100.0	1.6

100.0% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

2/ 1/1995 - 2/28/1995
2000 - 600 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	4.2	.0	.0	.0	.0	.0	4.2	1.1	N
NNE	2	5.2	.0	.6	.0	.0	.0	5.8	1.3	NNE
NE	3	3.9	.0	.0	.0	.0	.0	3.9	1.0	NE
ENE	4	2.6	.0	.0	.0	.0	.0	2.6	1.1	ENE
E	5	2.9	.0	.0	.0	.0	.0	2.9	.9	E
ESE	6	2.3	.0	.0	.0	.0	.0	2.3	.9	ESE
SE	7	2.3	.0	.0	.0	.0	.0	2.3	1.2	SE
SSE	8	4.2	.0	.0	.0	.0	.0	4.2	.9	SSE
S	9	2.6	.3	.3	.0	.0	.0	3.2	1.3	S
SSW	10	7.5	.0	.3	.0	1.3	2.3	11.4	4.2	SSW
SW	11	14.9	.6	.0	.0	.0	.0	15.6	1.0	SW
WSW	12	9.4	1.0	.6	.3	.0	.0	11.4	1.4	WSW
W	13	10.1	.0	.0	.0	.0	.0	10.1	.9	W
WNW	14	4.2	.3	.0	.0	.0	.0	4.5	1.1	WNW
NW	15	4.9	1.6	.3	.0	.0	.0	6.8	1.5	NW
NNW	16	6.5	1.0	.3	.0	.0	.0	7.8	1.3	NNW
CALM		1.0						1.0		
TOTAL		88.6	4.9	2.6	.3	1.3	2.3	100.0	1.5	

100.0% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

3/ 1/1995 - 3/31/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.4	1.2	1.2	.0	.0	.0	6.7	1.7
NNE	2	2.3	2.1	.6	.0	.0	.0	5.0	2.0
NE	3	2.3	.0	.3	1.2	.0	.0	3.8	3.0
ENE	4	1.5	.3	.0	.0	.0	.0	1.8	1.5
E	5	2.9	.3	.0	.0	.0	.0	3.2	1.2
ESE	6	1.2	.3	.0	.0	.0	.0	1.5	1.3
SE	7	1.5	.0	.6	.0	.0	.0	2.1	2.2
SSE	8	2.9	.3	.6	.0	.0	.0	3.8	1.8
S	9	4.1	1.2	.6	.0	.3	.0	6.2	2.1
SSW	10	8.2	1.8	.3	1.5	1.2	1.8	14.7	3.9
SW	11	10.0	.9	1.2	.6	.3	.0	12.9	1.9
WSW	12	9.1	1.2	.3	.0	.0	.0	10.6	1.4
W	13	6.5	1.5	.0	.0	.0	.0	7.9	1.2
WNW	14	7.0	.3	.0	.0	.0	.0	7.3	1.2
NW	15	6.5	.9	.0	.0	.0	.0	7.3	1.3
NNW	16	4.7	.0	.0	.0	.0	.0	4.7	1.2
CALM		/ .6						.6	
TOTAL		75.7	12.0	5.6	3.2	1.8	1.8	100.0	2.0

100.0% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)
CALM WS <= .5
1 .5< WS <= 1.8
2 1.8< WS <= 3.3
3 3.3< WS <= 5.4
4 5.4< WS <= 8.5
5 8.5< WS <=10.8
6 10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

4/ 1/1995 - 4/30/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	3.9	.9	.3	.9	.0	.0	6.1	2.5	N
NNE	2	3.6	1.5	2.7	1.5	.0	.0	9.4	3.3	NNE
NE	3	2.7	1.5	1.8	.0	.0	.0	6.1	2.4	NE
ENE	4	3.0	.6	.6	.0	.0	.0	4.2	1.8	ENE
E	5	1.5	.9	.0	.0	.0	.0	2.4	1.7	E
ESE	6	2.1	.0	.0	.0	.0	.0	2.1	.9	ESE
SE	7	.6	.0	.0	.0	.0	.0	.6	1.4	SE
SSE	8	3.0	.3	.0	.0	.0	.0	3.3	1.2	SSE
S	9	4.2	1.2	.3	.0	.0	.0	5.8	1.5	S
SSW	10	4.8	.6	1.2	1.5	.0	.0	8.2	2.8	SSW
SW	11	9.1	1.5	2.1	1.2	.0	.0	13.9	2.2	SW
WSW	12	7.3	.9	1.5	.0	.0	.0	9.7	1.7	WSW
W	13	4.5	1.5	.3	.0	.0	.0	6.4	1.5	W
WNW	14	4.5	.0	.6	.0	.0	.0	5.2	1.3	WNW
NW	15	7.0	.9	.3	.6	.3	.0	9.1	1.9	NW
NNW	16	3.3	1.5	.0	.3	.6	.0	5.8	2.5	NNW
CALM		1.8						1.8		
TOTAL		67.3	13.9	11.8	6.1	.9	.0	100.0	2.1	

100.0% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

5/ 1/1995 - 5/31/1995
2000 - 600 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.7	.0	.0	.3	.0	.0	5.0	1.2
NNE	2	3.2	1.5	.3	.0	.0	.0	5.0	1.7
NE	3	1.5	.3	.0	.0	.0	.0	1.8	1.1
ENE	4	3.2	.6	.0	.0	.0	.0	3.8	1.2
E	5	1.8	.0	.0	.0	.0	.0	1.8	1.0
ESE	6	1.5	.0	.0	.0	.0	.0	1.5	1.0
SE	7	1.2	.0	.0	.0	.0	.0	1.2	.8
SSE	8	2.6	.0	.0	.0	.0	.0	2.6	.9
S	9	4.7	.3	.0	.0	.0	.0	5.0	1.2
SSW	10	8.8	1.8	.0	.0	.3	.0	10.9	1.5
SW	11	12.9	3.2	2.6	3.2	.0	.0	22.0	2.4
WSW	12	9.1	.9	2.3	1.2	.0	.0	13.5	2.1
W	13	4.7	1.5	.3	.3	.0	.0	6.7	1.6
WNW	14	5.3	.6	.0	.0	.0	.0	5.9	1.2
NW	15	5.3	.6	.0	.0	.0	.0	5.9	1.3
NNW	16	5.0	.6	.0	.0	.0	.0	5.6	1.2
CALM		2.1						2.1	
TOTAL		77.4	11.7	5.6	5.0	.3	.0	100.0	1.7

100.0% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

6/ 1/1995 - 6/30/1995
2000 - 600 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.8	1.5	1.8	1.2	.6	.0	10.0	3.1 N
NNE	2	6.1	2.7	.9	1.2	.0	.0	10.9	2.3 NNE
NE	3	2.7	.0	.6	.0	.0	.0	3.3	1.8 NE
ENE	4	3.0	.6	.6	.0	.0	.0	4.2	1.6 ENE
E	5	2.4	.0	.0	.0	.0	.0	2.4	1.1 E
ESE	6	1.5	.0	.0	.0	.0	.0	1.5	.9 ESE
SE	7	1.5	.0	.0	.0	.0	.0	1.5	1.0 SE
SSE	8	1.2	.3	.0	.0	.0	.0	1.5	1.2 SSE
S	9	4.2	.0	.0	.0	.0	.0	4.2	1.0 S
SSW	10	10.9	2.1	.6	1.8	.0	.0	15.5	2.1 SSW
SW	11	10.6	2.1	1.2	.6	.0	.0	14.5	1.7 SW
WSW	12	6.7	1.2	.3	.3	.0	.0	8.5	1.5 WSW
W	13	4.5	.3	.0	.0	.0	.0	4.8	1.2 W
WNW	14	3.9	.9	.0	.0	.0	.0	4.8	1.2 WNW
NW	15	2.7	.3	.0	.0	.0	.0	3.0	1.1 NW
NNW	16	4.2	1.5	.6	.6	.0	.0	7.0	2.2 NNW
CALM		2.1						2.1	
TOTAL		73.3	13.6	6.7	5.8	.6	.0	100.0	1.8

100.0% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

7/ 1/1995 - 7/31/1995
2000 - 600 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	6.9	.6	1.8	.3	.0	.0	9.7	1.8	N
NNE	2	4.8	1.2	.6	.0	.0	.0	6.6	1.5	NNE
NE	3	6.0	1.8	.0	.0	.0	.0	7.9	1.3	NE
ENE	4	3.6	.0	.0	.0	.0	.0	3.6	1.2	ENE
E	5	2.7	.0	.0	.0	.0	.0	2.7	.9	E
ESE	6	1.8	.0	.0	.0	.0	.0	1.8	.7	ESE
SE	7	1.5	.0	.0	.0	.0	.0	1.5	1.0	SE
SSE	8	3.9	.3	.0	.0	.0	.0	4.2	1.0	SSE
S	9	3.3	.0	.0	.0	.0	.0	3.3	1.0	S
SSW	10	4.5	1.5	1.2	.0	.0	.0	7.3	1.9	SSW
SW	11	14.2	1.5	1.2	.6	.0	.0	17.5	1.7	SW
WSW	12	8.2	.6	.0	.0	.0	.0	8.8	1.1	WSW
W	13	4.5	.9	.0	.0	.0	.0	5.4	1.1	W
WNW	14	4.2	.3	.0	.0	.0	.0	4.5	.9	WNW
NW	15	4.5	.6	.0	.0	.0	.0	5.1	1.2	NW
NNW	16	5.4	.6	.0	.3	.0	.0	6.3	1.4	NNW
CALM		3.6						3.6		
TOTAL		84.0	10.0	4.8	1.2	.0	.0	100.0	1.3	

96.9% DATA RECOVERED
45.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

8/ 1/1995 - 8/31/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	9.1	.0	.0	.0	.0	.0	9.1	1.0
NNE	2	8.2	.9	.0	.0	.0	.0	9.1	1.2
NE	3	7.3	.6	.0	.0	.0	.0	7.9	1.3
ENE	4	5.9	.0	.0	.0	.0	.0	5.9	1.2
E	5	2.6	.0	.0	.0	.0	.0	2.6	.9
ESE	6	2.9	.3	.0	.0	.0	.0	3.2	1.1
SE	7	1.2	.3	.0	.0	.0	.0	1.5	1.2
SSE	8	1.5	.3	.0	.0	.0	.0	1.8	1.2
S	9	5.0	1.2	.3	.0	.0	.0	6.5	1.4
SSW	10	5.6	.0	.3	.3	.0	.0	6.2	1.3
SW	11	9.1	.6	.9	.3	.0	.0	10.9	1.5
WSW	12	9.7	1.2	.0	.0	.0	.0	10.9	1.2
W	13	4.7	.3	.0	.0	.0	.0	5.0	1.0
WNW	14	5.3	.3	.0	.0	.0	.0	5.6	1.0
NW	15	5.3	.0	.0	.0	.0	.0	5.3	.9
NNW	16	6.5	.3	.0	.0	.0	.0	6.7	1.1
CALM		2.1						2.1	
TOTAL		91.8	6.2	1.5	.6	.0	.0	100.0	1.2

99.5% DATA RECOVERED
46.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

9/ 1/1995 - 9/30/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	6.9	.0	.0	.0	.0	.0	6.9	.9	N
NNE	2	8.0	1.1	.0	2.2	.0	.0	11.2	2.2	NNE
NE	3	6.2	1.1	.0	.0	.0	.0	7.2	1.2	NE
ENE	4	2.9	.0	.0	.0	.0	.0	2.9	1.2	ENE
E	5	1.4	.0	.0	.0	.0	.0	1.4	.8	E
ESE	6	1.8	.0	.4	.0	.0	.0	2.2	1.2	ESE
SE	7	1.4	.0	.7	.4	.0	.0	2.5	2.8	SE
SSE	8	1.4	.0	.0	.0	.0	.0	1.4	.9	SSE
S	9	5.4	.4	.0	.0	.0	.0	5.8	1.0	S
SSW	10	8.0	.7	.7	.0	.0	.0	9.4	1.4	SSW
SW	11	13.0	.0	.0	.0	.0	.0	13.0	1.0	SW
WSW	12	9.4	.0	.0	.0	.0	.0	9.4	.9	WSW
W	13	4.7	.0	.0	.0	.0	.0	4.7	.9	W
WNW	14	5.4	.7	.0	.0	.0	.0	6.2	1.1	WNW
NW	15	6.2	1.1	.0	.0	.0	.0	7.2	1.2	NW
NNW	16	6.2	.7	.0	.0	.0	.0	6.9	1.1	NNW
CALM		1.4						1.4		
TOTAL		89.9	5.8	1.8	2.5	.0	.0	100.0	1.2	

83.5% DATA RECOVERED
45.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

10/ 1/1995 - 10/31/1995
2000 - 600 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	3.0	.6	1.8	.3	.0	.0	5.8	2.6	N
NNE	2	3.9	.3	3.0	1.8	.6	.0	9.7	3.8	NNE
NE	3	4.8	1.2	.6	.0	.0	.0	6.7	1.5	NE
ENE	4	3.0	.9	.0	.0	.0	.0	3.9	1.2	ENE
E	5	3.3	.0	.0	.0	.0	.0	3.3	.7	E
ESE	6	.9	.0	.0	.0	.0	.0	.9	1.1	ESE
SE	7	1.5	.0	.0	.0	.0	.0	1.5	1.0	SE
SSE	8	3.0	.0	.0	.0	.0	.0	3.0	.8	SSE
S	9	6.4	1.2	.0	.0	.0	.0	7.6	1.1	S
SSW	10	9.4	.3	.0	.0	.0	.0	9.7	.9	SSW
SW	11	10.9	.9	.0	.0	.0	.0	11.8	1.0	SW
WSW	12	10.3	.3	.0	.0	.0	.0	10.6	1.0	WSW
W	13	5.2	.6	.0	.0	.0	.0	5.8	1.1	W
WNW	14	4.2	.0	.0	.0	.0	.0	4.2	.9	WNW
NW	15	6.4	.3	.0	.3	.0	.0	7.0	1.4	NW
NNW	16	4.2	.6	.9	.0	.3	.0	6.1	1.9	NNW
CALM		2.4						2.4		
TOTAL		83.0	7.3	6.4	2.4	.9	.0	100.0	1.5	

96.8% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

		(MPS)
CALM	WS <=	.5
1	.5< WS <=	1.8
2	1.8< WS <=	3.3
3	3.3< WS <=	5.4
4	5.4< WS <=	8.5
5	8.5< WS <=	10.8
6	10.8< WS	

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

11/ 1/1995 - 11/30/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.3	.5	.9	.0	.0	.0	5.7	1.7
NNE	2	6.6	.0	.5	.0	.0	.0	7.1	1.2
NE	3	3.8	.5	.0	.0	.0	.0	4.3	1.2
ENE	4	4.7	.9	.0	.0	.0	.0	5.7	1.1
E	5	2.8	.0	.0	.0	.0	.0	2.8	1.2
ESE	6	4.3	.0	.0	.0	.0	.0	4.3	.9
SE	7	1.9	.0	.0	.0	.0	.0	1.9	1.0
SSE	8	4.7	.5	.0	.0	.0	.0	5.2	1.3
S	9	6.2	.0	.0	.0	.0	.0	6.2	1.0
SSW	10	6.2	.0	.0	.0	.0	.0	6.2	1.0
SW	11	17.1	.5	.0	.0	.0	.0	17.5	1.1
WSW	12	9.0	.0	.0	.0	.0	.0	9.0	1.0
W	13	5.7	.0	.0	.0	.0	.0	5.7	.9
WNW	14	2.4	.0	.0	.0	.0	.0	2.4	1.2
NW	15	7.6	.9	.0	.0	.0	.0	8.5	1.1
NNW	16	4.7	.9	.0	.0	.0	.0	5.7	1.1
CALM		1.9						1.9	

TOTAL		93.8	4.7	1.4	.0	.0	.0	100.0	1.1

63.6% DATA RECOVERED
46.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time

12/ 1/1995 - 12/31/1995
2000 - 600 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	4.3	1.3	.0	.0	.0	.0	5.6	1.6	N
NNE	2	4.8	1.3	.9	3.0	.0	.0	10.0	3.2	NNE
NE	3	3.0	.4	1.3	.4	.0	.0	5.2	2.2	NE
ENE	4	5.6	.9	.0	.0	.0	.0	6.5	1.2	ENE
E	5	1.7	.0	.0	.0	.0	.0	1.7	1.0	E
ESE	6	3.0	.0	.0	.0	.0	.0	3.0	1.0	ESE
SE	7	1.7	.0	.0	.0	.0	.0	1.7	1.0	SE
SSE	8	3.9	.0	.0	.0	.0	.0	3.9	.8	SSE
S	9	5.2	.0	.0	.0	.0	.0	5.2	1.0	S
SSW	10	10.0	.4	.4	.9	.4	.0	12.1	2.0	SSW
SW	11	8.7	2.2	.9	.9	.0	.0	12.6	1.9	SW
WSW	12	7.4	.9	.9	.0	.0	.0	9.1	1.6	WSW
W	13	8.7	1.3	.4	.0	.0	.0	10.4	1.4	W
WNW	14	3.0	.0	.0	.0	.0	.0	3.0	1.1	WNW
NW	15	5.2	.0	.0	.0	.0	.0	5.2	1.2	NW
NNW	16	4.3	.0	.0	.0	.0	.0	4.3	1.1	NNW
CALM		.4						.4		
TOTAL		81.0	8.7	4.8	5.2	.4	.0	100.0	1.7	

67.7% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES		(MPS)
CALM	WS	<= .5
1	.5< WS	<= 1.8
2	1.8< WS	<= 3.3
3	3.3< WS	<= 5.4
4	5.4< WS	<= 8.5
5	8.5< WS	<=10.8
6	10.8< WS	

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	4.7	.9	.0	.0	.0	.0	5.7	1.1	N
NNE	2	7.5	.9	.0	.0	.0	.0	8.5	1.0	NNE
NE	3	4.7	.9	.0	.0	.0	.0	5.7	1.1	NE
ENE	4	3.8	.0	.0	.0	.0	.0	3.8	.8	ENE
E	5	12.3	1.9	.0	.0	.0	.0	14.2	1.1	E
ESE	6	5.7	.0	.0	.0	.0	.0	5.7	.8	ESE
SE	7	12.3	.0	.0	.0	.0	.0	12.3	.9	SE
SSE	8	.9	2.8	.0	.0	.0	.0	3.8	1.9	SSE
S	9	2.8	.0	.0	.0	.0	.0	2.8	.6	S
SSW	10	1.9	.0	.0	.0	.0	.0	1.9	1.2	SSW
SW	11	5.7	.0	.0	.0	.0	.0	5.7	.9	SW
WSW	12	2.8	.0	.0	.0	.0	.0	2.8	.7	WSW
W	13	2.8	.0	.0	.0	.0	.0	2.8	.8	W
WNW	14	2.8	.0	.0	.0	.0	.0	2.8	1.0	WNW
NW	15	1.9	.9	.0	.0	.0	.0	2.8	1.3	NW
NNW	16	2.8	.9	.0	.0	.0	.0	3.8	1.5	NNW
CALM		15.1						15.1		
TOTAL		90.6	9.4	.0	.0	.0	.0	100.0	.9	

100.0% DATA RECOVERED
14.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	3.7	.0	.0	.0	.0	.0	3.7	.8
NNE	2	5.5	.0	.0	.0	.0	.0	5.5	1.0
NE	3	3.7	.0	.0	.0	.0	.0	3.7	.8
ENE	4	6.4	.0	.0	.0	.0	.0	6.4	1.0
E	5	4.6	1.8	.0	.0	.0	.0	6.4	1.1
ESE	6	7.3	.9	.0	.0	.0	.0	8.3	1.0
SE	7	11.0	.0	.0	.0	.0	.0	11.0	.9
SSE	8	8.3	.9	.0	.0	.0	.0	9.2	.9
S	9	3.7	.9	.0	.0	.0	.0	4.6	1.4
SSW	10	1.8	.9	.0	.0	.0	.0	2.8	1.3
SW	11	.9	.9	.0	.0	.0	.0	1.8	1.5
WSW	12	.9	.0	.0	.0	.0	.0	.9	1.0
W	13	2.8	.0	.0	.0	.0	.0	2.8	1.3
WNW	14	4.6	.0	.0	.0	.0	.0	4.6	.8
NW	15	.9	.0	.0	.0	.0	.0	.9	.5
NNW	16	.9	.9	.0	.0	.0	.0	1.8	1.3
CALM		25.7						25.7	
TOTAL		92.7	7.3	.0	.0	.0	.0	100.0	.8

100.0% DATA RECOVERED
16.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995

0 - 2400 (PST)

STABILITY CLASS A

0.5 - 1.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	1.6	.8	.0	.0	.0	.0	2.4	1.5	N
NNE	2	6.5	.8	.0	.0	.0	.0	7.3	1.1	NNE
NE	3	3.2	1.6	.0	.0	.0	.0	4.8	1.2	NE
ENE	4	4.0	.8	.0	.0	.0	.0	4.8	1.0	ENE
E	5	7.3	.0	.0	.0	.0	.0	7.3	1.2	E
ESE	6	4.8	.8	.0	.0	.0	.0	5.6	1.3	ESE
SE	7	8.9	.8	.0	.0	.0	.0	9.7	1.2	SE
SSE	8	8.1	1.6	.0	.0	.0	.0	9.7	1.4	SSE
S	9	9.7	.8	.0	.0	.0	.0	10.5	1.1	S
SSW	10	6.5	.0	.0	.0	.0	.0	6.5	1.1	SSW
SW	11	1.6	1.6	.0	.0	.0	.0	3.2	1.7	SW
WSW	12	1.6	.0	.0	.0	.0	.0	1.6	.9	WSW
W	13	2.4	.0	.0	.0	.0	.0	2.4	1.3	W
WNW	14	4.8	.0	.0	.0	.0	.0	4.8	1.0	WNW
NW	15	4.8	.8	.0	.0	.0	.0	5.6	1.0	NW
NNW	16	2.4	.0	.0	.0	.0	.0	2.4	.9	NNW
CALM		11.3						11.3		
TOTAL		89.5	10.5	.0	.0	.0	.0	100.0	1.1	

100.0% DATA RECOVERED
16.7% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

	(MPS)
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	3.0	.0	.0	.0	.0	.0	3.0	1.2	N
NNE	2	4.0	5.1	.0	.0	.0	.0	9.1	1.8	NNE
NE	3	9.1	2.0	.0	.0	.0	.0	11.1	1.2	NE
ENE	4	7.1	1.0	.0	.0	.0	.0	8.1	1.3	ENE
E	5	6.1	.0	.0	.0	.0	.0	6.1	1.0	E
ESE	6	6.1	.0	.0	.0	.0	.0	6.1	1.4	ESE
SE	7	5.1	.0	.0	.0	.0	.0	5.1	1.3	SE
SSE	8	4.0	2.0	.0	.0	.0	.0	6.1	1.2	SSE
S	9	8.1	3.0	.0	.0	.0	.0	11.1	1.5	S
SSW	10	2.0	5.1	.0	.0	.0	.0	7.1	1.9	SSW
SW	11	2.0	3.0	.0	.0	.0	.0	5.1	2.1	SW
WSW	12	1.0	.0	.0	.0	.0	.0	1.0	1.4	WSW
W	13	4.0	.0	.0	.0	.0	.0	4.0	1.0	W
WNW	14	2.0	1.0	.0	.0	.0	.0	3.0	1.2	WNW
NW	15	2.0	2.0	.0	.0	.0	.0	4.0	1.6	NW
NNW	16	2.0	.0	.0	.0	.0	.0	2.0	1.1	NNW
CALM		8.1						8.1		
TOTAL		75.8	24.2	.0	.0	.0	.0	100.0	1.3	

100.0% DATA RECOVERED
13.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995

0 - 2400 (PST)

STABILITY CLASS A

0.5 - 1.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	1.7	1.7	.0	.0	.0	.0	3.4	1.9	N
NNE	2	.8	.8	.0	.0	.0	.0	1.7	1.8	NNE
NE	3	2.5	.8	.0	.0	.0	.0	3.4	1.3	NE
ENE	4	9.3	3.4	.0	.0	.0	.0	12.7	1.3	ENE
E	5	9.3	.0	.0	.0	.0	.0	9.3	1.0	E
ESE	6	9.3	1.7	.0	.0	.0	.0	11.0	1.3	ESE
SE	7	5.9	1.7	.0	.0	.0	.0	7.6	1.5	SE
SSE	8	6.8	.8	.0	.0	.0	.0	7.6	1.1	SSE
S	9	5.9	5.1	.0	.0	.0	.0	11.0	1.6	S
SSW	10	1.7	4.2	.0	.0	.0	.0	5.9	2.0	SSW
SW	11	4.2	4.2	.0	.0	.0	.0	8.5	1.8	SW
WSW	12	2.5	.8	.0	.0	.0	.0	3.4	1.5	WSW
W	13	.8	.0	.0	.0	.0	.0	.8	1.0	W
WNW	14	.0	2.5	.0	.0	.0	.0	2.5	2.4	WNW
NW	15	.0	.8	.0	.0	.0	.0	.8	2.1	NW
NNW	16	.0	3.4	.0	.0	.0	.0	3.4	2.5	NNW
CALM		6.8						6.8		
TOTAL		67.8	32.2	.0	.0	.0	.0	100.0	1.4	

100.0% DATA RECOVERED
15.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.0	.0	.0	.0	.0	.0	2.0	.7 N
NNE	2	5.3	2.0	.0	.0	.0	.0	7.3	1.3 NNE
NE	3	3.3	1.3	.0	.0	.0	.0	4.6	1.2 NE
ENE	4	4.6	5.3	.0	.0	.0	.0	9.9	1.6 ENE
E	5	7.3	2.6	.0	.0	.0	.0	9.9	1.4 E
ESE	6	6.0	2.0	.0	.0	.0	.0	7.9	1.4 ESE
SE	7	3.3	.7	.0	.0	.0	.0	4.0	1.1 SE
SSE	8	5.3	2.0	.0	.0	.0	.0	7.3	1.5 SSE
S	9	7.3	3.3	.0	.0	.0	.0	10.6	1.4 S
SSW	10	4.0	4.0	.0	.0	.0	.0	7.9	1.8 SSW
SW	11	4.0	2.0	.0	.0	.0	.0	6.0	1.3 SW
WSW	12	2.6	1.3	.0	.0	.0	.0	4.0	1.4 WSW
W	13	2.0	.0	.0	.0	.0	.0	2.0	1.4 W
WNW	14	1.3	1.3	.0	.0	.0	.0	2.6	1.8 WNW
NW	15	1.3	2.0	.0	.0	.0	.0	3.3	1.6 NW
NNW	16	.7	2.6	.0	.0	.0	.0	3.3	2.1 NNW
CALM		7.3						7.3	
TOTAL		67.5	32.5	.0	.0	.0	.0	100.0	1.4

100.0% DATA RECOVERED
21.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.9	.0	.0	.0	.0	.0	.9	.9	N
NNE	2	6.0	.9	.0	.0	.0	.0	6.8	1.4	NNE
NE	3	6.0	.0	.0	.0	.0	.0	6.0	1.1	NE
ENE	4	6.8	1.7	.0	.0	.0	.0	8.5	1.2	ENE
E	5	7.7	.9	.0	.0	.0	.0	8.5	1.2	E
ESE	6	6.8	2.6	.0	.0	.0	.0	9.4	1.2	ESE
SE	7	6.8	.9	.0	.0	.0	.0	7.7	1.2	SE
SSE	8	4.3	2.6	.0	.0	.0	.0	6.8	1.5	SSE
S	9	6.0	.0	.0	.0	.0	.0	6.0	1.3	S
SSW	10	5.1	1.7	.0	.0	.0	.0	6.8	1.6	SSW
SW	11	1.7	4.3	.0	.0	.0	.0	6.0	1.9	SW
WSW	12	2.6	1.7	.0	.0	.0	.0	4.3	1.6	WSW
W	13	3.4	1.7	.0	.0	.0	.0	5.1	1.7	W
WNW	14	.9	.0	.0	.0	.0	.0	.9	.6	WNW
NW	15	2.6	.9	.0	.0	.0	.0	3.4	1.0	NW
NNW	16	2.6	.0	.0	.0	.0	.0	2.6	1.2	NNW
CALM		10.3						10.3		
TOTAL		80.3	19.7	.0	.0	.0	.0	100.0	1.2	

96.9% DATA RECOVERED
16.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.9	.0	.0	.0	.0	.0	2.9	.9 N
NNE	2	7.7	.0	.0	.0	.0	.0	7.7	.9 NNE
NE	3	4.8	.0	.0	.0	.0	.0	4.8	.9 NE
ENE	4	6.7	.0	.0	.0	.0	.0	6.7	1.1 ENE
E	5	8.7	1.0	.0	.0	.0	.0	9.6	1.1 E
ESE	6	1.0	.0	.0	.0	.0	.0	1.0	1.4 ESE
SE	7	3.8	3.8	.0	.0	.0	.0	7.7	1.7 SE
SSE	8	2.9	1.0	.0	.0	.0	.0	3.8	1.4 SSE
S	9	5.8	2.9	.0	.0	.0	.0	8.7	1.4 S
SSW	10	7.7	.0	.0	.0	.0	.0	7.7	1.1 SSW
SW	11	2.9	.0	.0	.0	.0	.0	2.9	1.5 SW
WSW	12	2.9	1.9	.0	.0	.0	.0	4.8	1.4 WSW
W	13	5.8	.0	.0	.0	.0	.0	5.8	1.2 W
WNW	14	3.8	.0	.0	.0	.0	.0	3.8	1.2 WNW
NW	15	2.9	1.0	.0	.0	.0	.0	3.8	1.1 NW
NNW	16	3.8	.0	.0	.0	.0	.0	3.8	.8 NNW
CALM		14.4						14.4	
TOTAL		88.5	11.5	.0	.0	.0	.0	100.0	1.0

99.5% DATA RECOVERED
14.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995

0 - 2400 (PST)

STABILITY CLASS A

0.5 - 1.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	3.4	.0	.0	.0	.0	.0	3.4	1.1	N
NNE	2	6.8	.0	.0	.0	.0	.0	6.8	.8	NNE
NE	3	5.1	.9	.0	.0	.0	.0	6.0	1.1	NE
ENE	4	12.0	.9	.0	.0	.0	.0	12.8	1.1	ENE
E	5	6.0	2.6	.0	.0	.0	.0	8.5	1.4	E
ESE	6	2.6	.9	.0	.0	.0	.0	3.4	1.1	ESE
SE	7	1.7	.0	.0	.0	.0	.0	1.7	.6	SE
SSE	8	1.7	.9	.0	.0	.0	.0	2.6	1.5	SSE
S	9	3.4	1.7	.0	.0	.0	.0	5.1	1.7	S
SSW	10	3.4	3.4	.0	.0	.0	.0	6.8	1.7	SSW
SW	11	6.8	1.7	.0	.0	.0	.0	8.5	1.2	SW
WSW	12	6.0	.0	.0	.0	.0	.0	6.0	.9	WSW
W	13	1.7	.9	.0	.0	.0	.0	2.6	1.5	W
WNW	14	.9	2.6	.0	.0	.0	.0	3.4	1.7	WNW
NW	15	1.7	.0	.0	.0	.0	.0	1.7	1.1	NW
NNW	16	.9	.9	.0	.0	.0	.0	1.7	1.6	NNW
CALM		18.8						18.8		
<hr/>										
TOTAL		82.9	17.1	.0	.0	.0	.0	100.0	1.0	

83.5% DATA RECOVERED
19.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	2.1	.0	.0	.0	.0	.0	2.1	.7	N
NNE	2	7.1	.7	.0	.0	.0	.0	7.8	.9	NNE
NE	3	9.9	.7	.0	.0	.0	.0	10.6	1.0	NE
ENE	4	8.5	.7	.0	.0	.0	.0	9.2	1.2	ENE
E	5	6.4	3.5	.0	.0	.0	.0	9.9	1.4	E
ESE	6	5.7	.0	.0	.0	.0	.0	5.7	1.1	ESE
SE	7	3.5	.0	.0	.0	.0	.0	3.5	1.1	SE
SSE	8	6.4	.7	.0	.0	.0	.0	7.1	1.0	SSE
S	9	5.7	.0	.0	.0	.0	.0	5.7	.9	S
SSW	10	6.4	3.5	.0	.0	.0	.0	9.9	1.5	SSW
SW	11	2.8	.7	.0	.0	.0	.0	3.5	.9	SW
WSW	12	3.5	.0	.0	.0	.0	.0	3.5	1.1	WSW
W	13	3.5	.0	.0	.0	.0	.0	3.5	.9	W
WNW	14	.7	.0	.0	.0	.0	.0	.7	.7	WNW
NW	15	1.4	.0	.0	.0	.0	.0	1.4	.9	NW
NNW	16	3.5	.0	.0	.0	.0	.0	3.5	.8	NNW
CALM		12.1						12.1		
TOTAL		89.4	10.6	.0	.0	.0	.0	100.0	1.0	

96.8% DATA RECOVERED
19.6% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995

0 - 2400 (PST)

STABILITY CLASS A

0.5 - 1.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	5.4	.0	.0	.0	.0	.0	5.4	.6	N
NNE	2	6.8	.0	.0	.0	.0	.0	6.8	.8	NNE
NE	3	8.1	.0	.0	.0	.0	.0	8.1	.7	NE
ENE	4	8.1	1.4	.0	.0	.0	.0	9.5	.9	ENE
E	5	5.4	.0	.0	.0	.0	.0	5.4	.7	E
ESE	6	2.7	.0	.0	.0	.0	.0	2.7	.8	ESE
SE	7	5.4	1.4	.0	.0	.0	.0	6.8	1.1	SE
SSE	8	6.8	1.4	.0	.0	.0	.0	8.1	1.0	SSE
S	9	2.7	.0	.0	.0	.0	.0	2.7	1.0	S
SSW	10	1.4	.0	.0	.0	.0	.0	1.4	1.0	SSW
SW	11	4.1	.0	.0	.0	.0	.0	4.1	.9	SW
WSW	12	1.4	.0	.0	.0	.0	.0	1.4	.7	WSW
W	13	2.7	.0	.0	.0	.0	.0	2.7	1.1	W
WNW	14	4.1	.0	.0	.0	.0	.0	4.1	.6	WNW
NW	15	2.7	.0	.0	.0	.0	.0	2.7	.6	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		28.4						28.4		
TOTAL		95.9	4.1	.0	.0	.0	.0	100.0	.6	

63.6% DATA RECOVERED
16.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES	
(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	10.3	.0	.0	.0	.0	.0	10.3	.9	N
NNE	2	13.8	1.7	.0	.0	.0	.0	15.5	.8	NNE
NE	3	6.9	.0	.0	.0	.0	.0	6.9	1.0	NE
ENE	4	12.1	.0	.0	.0	.0	.0	12.1	.9	ENE
E	5	6.9	1.7	.0	.0	.0	.0	8.6	1.1	E
ESE	6	6.9	1.7	.0	.0	.0	.0	8.6	1.0	ESE
SE	7	3.4	.0	.0	.0	.0	.0	3.4	1.2	SE
SSE	8	1.7	3.4	.0	.0	.0	.0	5.2	1.5	SSE
S	9	1.7	1.7	.0	.0	.0	.0	3.4	1.5	S
SSW	10	1.7	.0	.0	.0	.0	.0	1.7	.6	SSW
SW	11	1.7	.0	.0	.0	.0	.0	1.7	.8	SW
WSW	12	1.7	1.7	.0	.0	.0	.0	3.4	1.3	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	1.7	.0	.0	.0	.0	.0	1.7	.6	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	5.2	.0	.0	.0	.0	.0	5.2	.7	NNW
CALM		12.1						12.1		
TOTAL		87.9	12.1	.0	.0	.0	.0	100.0	.9	

67.7% DATA RECOVERED
11.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES	
(MPS)	
CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995
0 - 2400 (PST)

STABILITY CLASS B
1.5 - 2.5

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	6.3	.0	.0	.0	.0	.0	6.3	1.3	N
NNE	2	3.1	3.1	.0	.0	.0	.0	6.3	1.8	NNE
NE	3	9.4	3.1	.0	.0	.0	.0	12.5	1.1	NE
ENE	4	3.1	.0	.0	.0	.0	.0	3.1	.7	ENE
E	5	9.4	6.3	.0	.0	.0	.0	15.6	1.6	E
ESE	6	9.4	3.1	.0	.0	.0	.0	12.5	1.7	ESE
SE	7	6.3	.0	3.1	.0	.0	.0	9.4	1.7	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	9.4	3.1	.0	.0	.0	.0	12.5	1.3	S
SSW	10	.0	.0	.0	.0	.0	.0	.0	.0	SSW
SW	11	.0	.0	.0	.0	.0	.0	.0	.0	SW
WSW	12	3.1	.0	.0	.0	.0	.0	3.1	.9	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	3.1	.0	.0	.0	.0	.0	3.1	1.4	WNW
NW	15	3.1	3.1	.0	.0	.0	.0	6.3	1.9	NW
NNW	16	3.1	.0	.0	.0	.0	.0	3.1	1.1	NNW
CALM		6.3						6.3		
TOTAL		75.0	21.9	3.1	.0	.0	.0	100.0	1.4	

100.0% DATA RECOVERED
4.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES	
	(MPS)
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995

0 - 2400 (PST)

STABILITY CLASS B
1.5 - 2.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0	NNE
NE	3	5.9	.0	.0	.0	.0	.0	5.9	1.1	NE
ENE	4	2.9	2.9	.0	.0	.0	.0	5.9	1.9	ENE
E	5	2.9	2.9	.0	.0	.0	.0	5.9	2.4	E
ESE	6	5.9	.0	.0	.0	.0	.0	5.9	1.0	ESE
SE	7	8.8	2.9	.0	.0	.0	.0	11.8	1.0	SE
SSE	8	11.8	.0	.0	.0	.0	.0	11.8	1.0	SSE
S	9	.0	2.9	2.9	.0	.0	.0	5.9	2.9	S
SSW	10	20.6	2.9	.0	.0	.0	.0	23.5	1.2	SSW
SW	11	.0	2.9	.0	.0	.0	.0	2.9	2.7	SW
WSW	12	11.8	.0	.0	.0	.0	.0	11.8	1.0	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	2.9	.0	.0	.0	.0	.0	2.9	.6	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		5.9						5.9		
TOTAL		79.4	17.6	2.9	.0	.0	.0	100.0	1.3	

100.0% DATA RECOVERED
5.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995

0 - 2400 (PST)

STABILITY CLASS B

1.5 - 2.5

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	3.6	3.6	.0	.0	.0	7.1	3.4	N
NNE	2	7.1	14.3	10.7	.0	.0	.0	32.1	2.6	NNE
NE	3	7.1	3.6	.0	.0	.0	.0	10.7	1.7	NE
ENE	4	3.6	.0	.0	.0	.0	.0	3.6	1.5	ENE
E	5	7.1	.0	.0	.0	.0	.0	7.1	1.0	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	3.6	.0	.0	.0	.0	.0	3.6	1.0	SSE
S	9	.0	.0	.0	.0	.0	.0	.0	.0	S
SSW	10	3.6	.0	3.6	.0	.0	.0	7.1	2.1	SSW
SW	11	.0	7.1	.0	.0	.0	.0	7.1	2.1	SW
WSW	12	.0	3.6	.0	.0	.0	.0	3.6	3.1	WSW
W	13	.0	3.6	.0	.0	.0	.0	3.6	3.1	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	3.6	.0	.0	.0	.0	.0	3.6	1.5	NW
NNW	16	.0	7.1	.0	.0	.0	.0	7.1	3.0	NNW
CALM		3.6						3.6		
TOTAL		39.3	42.9	17.9	.0	.0	.0	100.0	2.2	

100.0% DATA RECOVERED
3.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995
0 - 2400 (PST)

STABILITY CLASS B
1.5 - 2.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	2.9	.0	.0	.0	.0	2.9	3.1
NNE	2	.0	8.6	.0	.0	.0	.0	8.6	3.1
NE	3	5.7	5.7	8.6	.0	.0	.0	20.0	2.6
ENE	4	5.7	2.9	.0	.0	.0	.0	8.6	1.2
E	5	2.9	.0	.0	.0	.0	.0	2.9	.8
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0
SE	7	2.9	.0	.0	.0	.0	.0	2.9	1.2
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0
S	9	.0	.0	.0	.0	.0	.0	.0	.0
SSW	10	.0	20.0	2.9	.0	.0	.0	22.9	2.9
SW	11	.0	14.3	2.9	.0	.0	.0	17.1	3.2
WSW	12	.0	5.7	.0	.0	.0	.0	5.7	2.7
W	13	.0	.0	.0	.0	.0	.0	.0	.0
WNW	14	.0	2.9	.0	.0	.0	.0	2.9	3.1
NW	15	.0	2.9	.0	.0	.0	.0	2.9	3.3
NNW	16	.0	2.9	.0	.0	.0	.0	2.9	3.2
CALM		.0						.0	
TOTAL		17.1	68.6	14.3	.0	.0	.0	100.0	2.7

100.0% DATA RECOVERED
4.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

		(MPS)
CALM	WS	<= .5
1	.5< WS	<= 1.8
2	1.8< WS	<= 3.3
3	3.3< WS	<= 5.4
4	5.4< WS	<= 8.5
5	8.5< WS	<=10.8
6	10.8< WS	

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995
0 - 2400 (PST)

STABILITY CLASS B
1.5 - 2.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	1.8	.0	.0	.0	.0	1.8	3.3	N
NNE	2	.0	1.8	1.8	.0	.0	.0	3.6	3.2	NNE
NE	3	1.8	3.6	.0	.0	.0	.0	5.4	2.3	NE
ENE	4	1.8	3.6	.0	.0	.0	.0	5.4	1.9	ENE
E	5	1.8	1.8	.0	.0	.0	.0	3.6	2.1	E
ESE	6	3.6	.0	.0	.0	.0	.0	3.6	1.4	ESE
SE	7	1.8	.0	.0	.0	.0	.0	1.8	.7	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	5.4	3.6	.0	.0	.0	.0	8.9	1.9	S
SSW	10	.0	5.4	1.8	.0	.0	.0	7.1	3.1	SSW
SW	11	.0	16.1	16.1	.0	.0	.0	32.1	3.3	SW
WSW	12	1.8	3.6	.0	.0	.0	.0	5.4	2.3	WSW
W	13	1.8	5.4	1.8	.0	.0	.0	8.9	2.8	W
WNW	14	.0	3.6	.0	.0	.0	.0	3.6	3.2	WNW
NW	15	.0	5.4	1.8	.0	.0	.0	7.1	3.1	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		1.8						1.8		
TOTAL		21.4	55.4	23.2	.0	.0	.0	100.0	2.7	

100.0% DATA RECOVERED
7.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995
0 - 2400 (PST)

STABILITY CLASS B
1.5 - 2.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	2.1	2.1	.0	.0	.0	.0	4.2	1.8	N
NNE	2	4.2	10.4	2.1	.0	.0	.0	16.7	2.6	NNE
NE	3	.0	14.6	2.1	.0	.0	.0	16.7	3.1	NE
ENE	4	2.1	6.3	.0	.0	.0	.0	8.3	2.4	ENE
E	5	4.2	2.1	.0	.0	.0	.0	6.3	1.8	E
ESE	6	2.1	.0	.0	.0	.0	.0	2.1	1.6	ESE
SE	7	2.1	.0	2.1	.0	.0	.0	4.2	2.1	SE
SSE	8	2.1	2.1	2.1	.0	.0	.0	6.3	2.4	SSE
S	9	2.1	4.2	.0	.0	.0	.0	6.3	2.0	S
SSW	10	.0	2.1	6.3	.0	.0	.0	8.3	3.3	SSW
SW	11	.0	8.3	4.2	.0	.0	.0	12.5	3.3	SW
WSW	12	.0	2.1	.0	.0	.0	.0	2.1	2.9	WSW
W	13	.0	2.1	2.1	.0	.0	.0	4.2	3.4	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	2.1	.0	.0	.0	.0	2.1	3.1	NNW
CALM		.0						.0		
TOTAL		20.8	58.3	20.8	.0	.0	.0	100.0	2.7	

100.0% DATA RECOVERED
6.7% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995

0 - 2400 (PST)

STABILITY CLASS B

1.5 - 2.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0	NNE
NE	3	3.1	6.3	.0	.0	.0	.0	9.4	2.3	NE
ENE	4	3.1	.0	.0	.0	.0	.0	3.1	1.5	ENE
E	5	3.1	.0	.0	.0	.0	.0	3.1	1.8	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	3.1	.0	.0	.0	3.1	3.4	SSE
S	9	3.1	3.1	.0	.0	.0	.0	6.3	1.8	S
SSW	10	3.1	12.5	9.4	.0	.0	.0	25.0	2.9	SSW
SW	11	.0	28.1	12.5	.0	.0	.0	40.6	3.2	SW
WSW	12	.0	6.3	3.1	.0	.0	.0	9.4	3.1	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		.0						.0		
TOTAL		15.6	56.3	28.1	.0	.0	.0	100.0	2.8	

96.9% DATA RECOVERED
4.4% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995

0 - 2400 (PST)

STABILITY CLASS B

1.5 - 2.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	3.8	.0	.0	.0	.0	.0	3.8	1.2	N
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0	NNE
NE	3	3.8	.0	.0	.0	.0	.0	3.8	1.3	NE
ENE	4	3.8	7.7	.0	.0	.0	.0	11.5	2.1	ENE
E	5	3.8	.0	.0	.0	.0	.0	3.8	1.0	E
ESE	6	.0	3.8	.0	.0	.0	.0	3.8	2.6	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	11.5	3.8	.0	.0	.0	15.4	2.8	SSE
S	9	3.8	.0	.0	.0	.0	.0	3.8	1.3	S
SSW	10	.0	11.5	3.8	.0	.0	.0	15.4	2.9	SSW
SW	11	.0	7.7	11.5	.0	.0	.0	19.2	3.2	SW
WSW	12	.0	11.5	3.8	.0	.0	.0	15.4	3.1	WSW
W	13	.0	3.8	.0	.0	.0	.0	3.8	2.9	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		.0						.0		
TOTAL		19.2	57.7	23.1	.0	.0	.0	100.0	2.6	

99.5% DATA RECOVERED
3.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPIRILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995
0 - 2400 (PST)

STABILITY CLASS B
1.5 - 2.5

		WIND SPEED CLASS							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.2	4.2	.0	.0	.0	.0	8.3	1.7 N
NNE	2	.0	4.2	.0	.0	.0	.0	4.2	2.7 NNE
NE	3	16.7	.0	.0	.0	.0	.0	16.7	.9 NE
ENE	4	4.2	.0	.0	.0	.0	.0	4.2	1.1 ENE
E	5	.0	4.2	4.2	.0	.0	.0	8.3	3.2 E
ESE	6	.0	4.2	.0	.0	.0	.0	4.2	2.7 ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0 SE
SSE	8	4.2	.0	.0	.0	.0	.0	4.2	.7 SSE
S	9	8.3	4.2	.0	.0	.0	.0	12.5	1.6 S
SSW	10	4.2	8.3	.0	.0	.0	.0	12.5	2.3 SSW
SW	11	.0	8.3	8.3	.0	.0	.0	16.7	3.3 SW
WSW	12	.0	8.3	.0	.0	.0	.0	8.3	2.9 WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0 W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0 WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0 NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0 NNW
CALM		.0						.0	
TOTAL		41.7	45.8	12.5	.0	.0	.0	100.0	2.1

83.5% DATA RECOVERED
4.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995
0 - 2400 (PST)

STABILITY CLASS B
1.5 - 2.5

		WIND SPEED CLASS							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.0	.0	.0	.0	.0	.0	4.0	.7
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0
NE	3	4.0	4.0	.0	.0	.0	.0	8.0	2.3
ENE	4	4.0	4.0	.0	.0	.0	.0	8.0	1.7
E	5	24.0	4.0	.0	.0	.0	.0	28.0	1.2
ESE	6	4.0	.0	.0	.0	.0	.0	4.0	.8
SE	7	4.0	.0	.0	.0	.0	.0	4.0	.8
SSE	8	.0	4.0	.0	.0	.0	.0	4.0	3.2
S	9	4.0	4.0	.0	.0	.0	.0	8.0	1.9
SSW	10	4.0	4.0	.0	.0	.0	.0	8.0	2.0
SW	11	.0	8.0	4.0	.0	.0	.0	12.0	3.2
WSW	12	.0	4.0	.0	.0	.0	.0	4.0	2.9
W	13	.0	.0	.0	.0	.0	.0	.0	.0
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0
NW	15	4.0	.0	.0	.0	.0	.0	4.0	.8
NNW	16	4.0	.0	.0	.0	.0	.0	4.0	1.1
CALM		.0						.0	
TOTAL		60.0	36.0	4.0	.0	.0	.0	100.0	1.8

96.8% DATA RECOVERED
3.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995

0 - 2400 (PST)

STABILITY CLASS B

1.5 - 2.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	8.0	.0	.0	.0	.0	8.0	2.8	N
NNE	2	.0	.0	4.0	.0	.0	.0	4.0	3.5	NNE
NE	3	12.0	4.0	.0	.0	.0	.0	16.0	1.2	NE
ENE	4	8.0	.0	.0	.0	.0	.0	8.0	.9	ENE
E	5	12.0	.0	.0	.0	.0	.0	12.0	.9	E
ESE	6	4.0	.0	.0	.0	.0	.0	4.0	1.0	ESE
SE	7	12.0	.0	.0	.0	.0	.0	12.0	.9	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	8.0	.0	.0	.0	.0	.0	8.0	.7	S
SSW	10	.0	.0	.0	.0	.0	.0	.0	.0	SSW
SW	11	.0	4.0	.0	.0	.0	.0	4.0	2.9	SW
WSW	12	8.0	.0	.0	.0	.0	.0	8.0	.9	WSW
W	13	.0	4.0	.0	.0	.0	.0	4.0	3.2	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	4.0	.0	.0	.0	.0	4.0	3.1	NNW
CALM		8.0						8.0		
TOTAL		72.0	24.0	4.0	.0	.0	.0	100.0	1.4	

63.6% DATA RECOVERED
5.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995

0 - 2400 (PST)

STABILITY CLASS B

1.5 - 2.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	5.6	.0	.0	.0	.0	.0	5.6	.7	N
NNE	2	11.1	.0	.0	.0	.0	.0	11.1	.7	NNE
NE	3	16.7	.0	.0	.0	.0	.0	16.7	.8	NE
ENE	4	11.1	5.6	.0	.0	.0	.0	16.7	1.1	ENE
E	5	5.6	.0	.0	.0	.0	.0	5.6	.9	E
ESE	6	5.6	.0	.0	.0	.0	.0	5.6	1.4	ESE
SE	7	5.6	.0	.0	.0	.0	.0	5.6	.8	SE
SSE	8	5.6	.0	.0	.0	.0	.0	5.6	1.0	SSE
S	9	.0	.0	.0	.0	.0	.0	.0	.0	S
SSW	10	.0	.0	.0	.0	.0	.0	.0	.0	SSW
SW	11	.0	.0	.0	.0	.0	.0	.0	.0	SW
WSW	12	.0	.0	.0	.0	.0	.0	.0	.0	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	5.6	.0	.0	.0	.0	.0	5.6	1.8	WNW
NW	15	5.6	.0	.0	.0	.0	.0	5.6	1.1	NW
NNW	16	5.6	.0	.0	.0	.0	.0	5.6	.9	NNW
CALM		11.1						11.1		
TOTAL		94.4	5.6	.0	.0	.0	.0	100.0	.9	

67.7% DATA RECOVERED
3.6% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.6	2.6	.0	.0	.0	.0	5.3	1.6 N
NNE	2	.0	.0	2.6	.0	.0	.0	2.6	4.3 NNE
NE	3	.0	2.6	.0	.0	.0	.0	2.6	2.2 NE
ENE	4	7.9	.0	2.6	.0	.0	.0	10.5	2.0 ENE
E	5	5.3	2.6	.0	.0	.0	.0	7.9	1.5 E
ESE	6	2.6	2.6	2.6	.0	.0	.0	7.9	3.0 ESE
SE	7	7.9	5.3	5.3	.0	.0	.0	18.4	2.1 SE
SSE	8	5.3	.0	.0	.0	.0	.0	5.3	.9 SSE
S	9	2.6	.0	.0	.0	.0	.0	2.6	1.2 S
SSW	10	5.3	2.6	.0	.0	.0	.0	7.9	1.2 SSW
SW	11	2.6	.0	5.3	.0	.0	.0	7.9	3.3 SW
WSW	12	2.6	.0	5.3	.0	.0	.0	7.9	2.8 WSW
W	13	.0	.0	2.6	.0	.0	.0	2.6	4.3 W
WNW	14	2.6	.0	.0	.0	.0	.0	2.6	.6 WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0 NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0 NNW
CALM		7.9						7.9	
TOTAL		55.3	18.4	26.3	.0	.0	.0	100.0	2.0

100.0% DATA RECOVERED
5.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPIRIT TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0	NNE
NE	3	3.4	3.4	.0	.0	.0	.0	6.9	1.6	NE
ENE	4	.0	.0	3.4	.0	.0	.0	3.4	3.8	ENE
E	5	3.4	.0	.0	.0	.0	.0	3.4	1.2	E
ESE	6	3.4	.0	.0	.0	.0	.0	3.4	.8	ESE
SE	7	6.9	.0	.0	.0	.0	.0	6.9	.8	SE
SSE	8	10.3	3.4	.0	.0	.0	.0	13.8	1.1	SSE
S	9	13.8	3.4	.0	.0	.0	.0	17.2	1.3	S
SSW	10	6.9	6.9	6.9	.0	.0	.0	20.7	2.3	SSW
SW	11	6.9	.0	10.3	.0	.0	.0	17.2	2.5	SW
WSW	12	.0	.0	3.4	.0	.0	.0	3.4	3.9	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		3.4						3.4		
TOTAL		58.6	17.2	24.1	.0	.0	.0	100.0	1.8	

100.0% DATA RECOVERED
4.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995

0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	3.1	21.9	.0	.0	.0	25.0	4.5
NNE	2	3.1	.0	6.3	.0	.0	.0	9.4	2.8
NE	3	.0	.0	3.1	.0	.0	.0	3.1	4.3
ENE	4	6.3	.0	.0	.0	.0	.0	6.3	.9
E	5	3.1	.0	.0	.0	.0	.0	3.1	1.0
ESE	6	3.1	.0	.0	.0	.0	.0	3.1	1.0
SE	7	3.1	6.3	.0	.0	.0	.0	9.4	2.1
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0
S	9	3.1	.0	.0	.0	.0	.0	3.1	1.2
SSW	10	6.3	.0	3.1	.0	.0	.0	9.4	2.5
SW	11	3.1	.0	6.3	.0	.0	.0	9.4	2.9
WSW	12	.0	6.3	6.3	.0	.0	.0	12.5	3.2
W	13	.0	3.1	.0	.0	.0	.0	3.1	1.8
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0
NW	15	.0	.0	.0	.0	.0	.0	.0	.0
NNW	16	.0	.0	3.1	.0	.0	.0	3.1	3.9
CALM		.0						.0	
TOTAL		31.3	18.8	50.0	.0	.0	.0	100.0	3.0

100.0% DATA RECOVERED
4.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995

0 - 2400 (PST)

STABILITY CLASS C

2.5 - 3.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	1.9	13.0	.0	.0	.0	14.8	4.3	N
NNE	2	.0	.0	11.1	.0	.0	.0	11.1	4.1	NNE
NE	3	.0	.0	9.3	.0	.0	.0	9.3	4.1	NE
ENE	4	.0	3.7	.0	.0	.0	.0	3.7	3.0	ENE
E	5	.0	.0	.0	.0	.0	.0	.0	.0	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	1.9	.0	.0	.0	.0	1.9	2.6	SSE
S	9	1.9	.0	.0	.0	.0	.0	1.9	.7	S
SSW	10	.0	.0	13.0	.0	.0	.0	13.0	4.1	SSW
SW	11	.0	1.9	29.6	.0	.0	.0	31.5	4.4	SW
WSW	12	.0	1.9	7.4	.0	.0	.0	9.3	4.0	WSW
W	13	.0	.0	1.9	.0	.0	.0	1.9	3.9	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	1.9	.0	.0	.0	1.9	3.9	NNW
CALM		.0						.0		
TOTAL		1.9	11.1	87.0	.0	.0	.0	100.0	4.1	

100.0% DATA RECOVERED
7.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	1.3	.0	.0	.0	1.3	3.7	N
NNE	2	.0	2.7	2.7	.0	.0	.0	5.3	3.6	NNE
NE	3	.0	.0	1.3	.0	.0	.0	1.3	4.6	NE
ENE	4	.0	2.7	4.0	.0	.0	.0	6.7	3.3	ENE
E	5	1.3	.0	.0	.0	.0	.0	1.3	1.2	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	2.7	.0	.0	.0	.0	.0	2.7	1.6	S
SSW	10	.0	.0	24.0	.0	.0	.0	24.0	4.2	SSW
SW	11	.0	.0	22.7	1.3	.0	.0	24.0	4.4	SW
WSW	12	.0	.0	8.0	1.3	.0	.0	9.3	4.1	WSW
W	13	.0	.0	4.0	.0	.0	.0	4.0	4.0	W
WNW	14	.0	.0	2.7	.0	.0	.0	2.7	3.7	WNW
NW	15	.0	.0	8.0	.0	.0	.0	8.0	4.4	NW
NNW	16	.0	.0	9.3	.0	.0	.0	9.3	4.5	NNW
CALM		.0						.0		
TOTAL		4.0	5.3	88.0	2.7	.0	.0	100.0	4.0	

100.0% DATA RECOVERED
10.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)		
WIND DIR	SECTOR	1	2	3	4	5	6				
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N	
NNE	2	.0	1.9	3.8	.0	.0	.0	5.8	3.6	NNE	
NE	3	.0	.0	1.9	.0	.0	.0	1.9	3.9	NE	
ENE	4	3.8	.0	.0	.0	.0	.0	3.8	1.4	ENE	
E	5	.0	.0	.0	.0	.0	.0	.0	.0	E	
ESE	6	1.9	1.9	.0	.0	.0	.0	3.8	2.0	ESE	
SE	7	.0	.0	5.8	.0	.0	.0	5.8	4.6	SE	
SSE	8	1.9	.0	1.9	.0	.0	.0	3.8	3.1	SSE	
S	9	.0	.0	3.8	.0	.0	.0	3.8	3.6	S	
SSW	10	1.9	1.9	17.3	1.9	.0	.0	23.1	4.2	SSW	
SW	11	1.9	.0	30.8	1.9	.0	.0	34.6	4.5	SW	
WSW	12	.0	.0	.0	1.9	.0	.0	1.9	5.4	WSW	
W	13	.0	.0	7.7	.0	.0	.0	7.7	4.2	W	
WNW	14	.0	.0	1.9	.0	.0	.0	1.9	3.9	WNW	
NW	15	.0	.0	1.9	.0	.0	.0	1.9	4.1	NW	
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW	
CALM		.0						.0			
TOTAL		11.5	5.8	76.9	5.8	.0	.0	100.0	4.1		

100.0% DATA RECOVERED
7.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0	NNE
NE	3	.0	.0	.0	.0	.0	.0	.0	.0	NE
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0	ENE
E	5	2.0	2.0	.0	.0	.0	.0	4.1	1.8	E
ESE	6	.0	.0	2.0	.0	.0	.0	2.0	3.8	ESE
SE	7	2.0	.0	2.0	.0	.0	.0	4.1	2.4	SE
SSE	8	.0	.0	2.0	.0	.0	.0	2.0	3.6	SSE
S	9	.0	2.0	2.0	.0	.0	.0	4.1	3.1	S
SSW	10	.0	.0	12.2	.0	.0	.0	12.2	4.8	SSW
SW	11	.0	2.0	53.1	2.0	.0	.0	57.1	4.6	SW
WSW	12	.0	2.0	4.1	.0	.0	.0	6.1	3.9	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	4.1	.0	.0	.0	4.1	4.9	WNW
NW	15	.0	.0	2.0	.0	.0	.0	2.0	5.4	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		2.0						2.0		
TOTAL		6.1	8.2	83.7	2.0	.0	.0	100.0	4.2	

96.9% DATA RECOVERED
6.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995

0 - 2400 (PST)

STABILITY CLASS C

2.5 - 3.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0	NNE
NE	3	3.2	.0	.0	.0	.0	.0	3.2	1.1	NE
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0	ENE
E	5	.0	3.2	.0	.0	.0	.0	3.2	2.1	E
ESE	6	.0	.0	3.2	.0	.0	.0	3.2	3.4	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	3.2	.0	.0	.0	3.2	4.0	SSE
S	9	3.2	3.2	3.2	.0	.0	.0	9.7	3.2	S
SSW	10	.0	.0	12.9	.0	.0	.0	12.9	4.2	SSW
SW	11	.0	.0	41.9	3.2	.0	.0	45.2	4.8	SW
WSW	12	3.2	.0	6.5	.0	.0	.0	9.7	3.8	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	3.2	.0	.0	.0	.0	.0	3.2	1.7	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	3.2	.0	.0	.0	.0	.0	3.2	1.8	NNW
CALM		3.2						3.2		
TOTAL		19.4	6.5	71.0	3.2	.0	.0	100.0	3.9	

99.5% DATA RECOVERED
4.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995

0 - 2400 (PST)

STABILITY CLASS C

2.5 - 3.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	6.1	.0	.0	.0	6.1	3.9	N
NNE	2	.0	.0	3.0	.0	.0	.0	3.0	3.9	NNE
NE	3	3.0	.0	3.0	.0	.0	.0	6.1	2.9	NE
ENE	4	3.0	.0	.0	.0	.0	.0	3.0	.9	ENE
E	5	6.1	.0	.0	.0	.0	.0	6.1	1.1	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	3.0	.0	.0	.0	3.0	3.5	SE
SSE	8	.0	.0	6.1	.0	.0	.0	6.1	4.3	SSE
S	9	.0	.0	3.0	.0	.0	.0	3.0	3.6	S
SSW	10	.0	.0	12.1	.0	.0	.0	12.1	4.2	SSW
SW	11	3.0	3.0	42.4	.0	.0	.0	48.5	4.1	SW
WSW	12	.0	.0	3.0	.0	.0	.0	3.0	3.9	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		.0						.0		
TOTAL		15.2	3.0	81.8	.0	.0	.0	100.0	3.7	

83.5% DATA RECOVERED
5.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N
NNE	2	2.9	.0	11.8	.0	.0	.0	14.7	3.7	NNE
NE	3	5.9	.0	2.9	.0	.0	.0	8.8	1.7	NE
ENE	4	2.9	2.9	2.9	.0	.0	.0	8.8	2.3	ENE
E	5	5.9	2.9	.0	.0	.0	.0	8.8	1.8	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	5.9	.0	.0	.0	.0	.0	5.9	1.0	SSE
S	9	2.9	.0	.0	.0	.0	.0	2.9	1.7	S
SSW	10	5.9	2.9	5.9	.0	.0	.0	14.7	2.5	SSW
SW	11	2.9	2.9	26.5	.0	.0	.0	32.4	3.6	SW
WSW	12	.0	.0	2.9	.0	.0	.0	2.9	3.6	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		.0						.0		
TOTAL		35.3	11.8	52.9	.0	.0	.0	100.0	2.8	

96.8% DATA RECOVERED
4.7% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995

0 - 2400 (PST)

STABILITY CLASS C

2.5 - 3.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	12.0	.0	.0	.0	12.0	4.0	N
NNE	2	.0	4.0	4.0	.0	.0	.0	8.0	2.8	NNE
NE	3	4.0	4.0	.0	.0	.0	.0	8.0	1.5	NE
ENE	4	16.0	.0	.0	.0	.0	.0	16.0	1.1	ENE
E	5	4.0	4.0	.0	.0	.0	.0	8.0	1.3	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	4.0	.0	.0	.0	.0	.0	4.0	1.5	S
SSW	10	.0	4.0	4.0	.0	.0	.0	8.0	3.3	SSW
SW	11	.0	8.0	16.0	.0	.0	.0	24.0	3.3	SW
WSW	12	.0	4.0	.0	.0	.0	.0	4.0	2.1	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	8.0	.0	.0	.0	8.0	4.6	NNW
CALM		.0						.0		
TOTAL		28.0	28.0	44.0	.0	.0	.0	100.0	2.7	

63.6% DATA RECOVERED
5.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPIRIT TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	15.8	.0	.0	.0	15.8	4.7	N
NNE	2	5.3	5.3	.0	.0	.0	.0	10.5	1.7	NNE
NE	3	10.5	.0	.0	.0	.0	.0	10.5	.9	NE
ENE	4	21.1	.0	.0	.0	.0	.0	21.1	1.5	ENE
E	5	15.8	.0	.0	.0	.0	.0	15.8	1.2	E
ESE	6	5.3	.0	.0	.0	.0	.0	5.3	.9	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	15.8	.0	.0	.0	.0	.0	15.8	1.1	S
SSW	10	.0	.0	.0	.0	.0	.0	.0	.0	SSW
SW	11	.0	.0	.0	.0	.0	.0	.0	.0	SW
WSW	12	.0	.0	.0	.0	.0	.0	.0	.0	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	5.3	.0	.0	.0	.0	.0	5.3	.7	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		.0						.0		
TOTAL		78.9	5.3	15.8	.0	.0	.0	100.0	1.8	

67.7% DATA RECOVERED
3.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	1.5	.5	.0	.0	.0	.0	2.0	1.6	N
NNE	2	.5	.5	2.6	.0	.0	.0	3.6	3.6	NNE
NE	3	1.5	3.1	2.0	.0	.0	.0	6.6	2.7	NE
ENE	4	2.0	.5	.0	.0	.0	.0	2.6	1.7	ENE
E	5	1.0	1.0	.0	.0	.0	.0	2.0	1.8	E
ESE	6	1.0	1.0	1.0	.0	.0	.0	3.1	2.6	ESE
SE	7	.5	2.0	2.6	.5	.0	.0	5.6	3.9	SE
SSE	8	.0	1.0	1.5	.0	.0	.0	2.6	3.0	SSE
S	9	4.1	1.5	1.0	.0	.0	.0	6.6	2.0	S
SSW	10	2.6	1.5	1.5	4.6	2.6	.0	12.8	5.6	SSW
SW	11	6.1	1.5	2.0	7.1	.0	.0	16.8	4.0	SW
WSW	12	3.1	1.0	1.0	.5	.0	.0	5.6	2.4	WSW
W	13	3.1	.5	.0	.5	.0	.0	4.1	2.0	W
WNW	14	3.1	4.1	1.0	.0	.0	.0	8.2	2.0	WNW
NW	15	1.5	9.7	2.0	.0	.0	.0	13.3	2.5	NW
NNW	16	1.5	1.5	.5	.5	.0	.0	4.1	2.9	NNW
CALM		.5						.5		
TOTAL		33.7	31.1	18.9	13.8	2.6	.0	100.0	3.2	

100.0% DATA RECOVERED
26.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES	
(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995

0 - 2400 (PST)

STABILITY CLASS D

3.5 - 4.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.9	.9	.9	.0	.0	.0	2.6	2.6
NNE	2	.0	1.7	4.3	1.7	.0	.0	7.8	4.1
NE	3	.9	.0	1.7	.0	.0	.0	2.6	3.3
ENE	4	1.7	.0	.9	.0	.0	.0	2.6	2.0
E	5	.9	1.7	2.6	.0	.0	.0	5.2	3.5
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0
SE	7	2.6	.9	.0	.0	.0	.0	3.4	1.5
SSE	8	.9	.0	.0	.0	.0	.0	.9	1.0
S	9	2.6	.0	.9	.0	.0	.0	3.4	1.7
SSW	10	1.7	2.6	.9	2.6	9.5	7.8	25.0	8.8
SW	11	6.0	1.7	6.0	11.2	.9	.9	26.7	4.8
WSW	12	1.7	.9	5.2	3.4	.0	.0	11.2	4.4
W	13	.9	2.6	.0	.0	.0	.0	3.4	1.9
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0
NW	15	.0	.9	.9	.0	.0	.0	1.7	3.2
NNW	16	.0	1.7	.9	.0	.0	.0	2.6	3.4
CALM		.9						.9	
TOTAL		21.6	15.5	25.0	19.0	10.3	8.6	100.0	5.0

100.0% DATA RECOVERED
17.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995

0 - 2400 (PST)

STABILITY CLASS D

3.5 - 4.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.4	1.3	.4	.0	.0	2.1	4.3	N
NNE	2	.0	1.3	2.6	5.6	.0	.0	9.4	5.1	NNE
NE	3	.4	.0	.9	3.4	.0	.0	4.7	5.2	NE
ENE	4	.0	.4	.0	.0	.0	.0	.4	2.0	ENE
E	5	.4	.4	.0	.0	.0	.0	.9	1.8	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.4	.4	.9	.0	.0	.0	1.7	3.5	SE
SSE	8	.0	.4	1.3	.0	.0	.0	1.7	4.4	SSE
S	9	.4	.4	2.1	1.3	.4	.0	4.7	5.0	S
SSW	10	1.7	1.7	1.3	10.3	11.6	7.3	33.9	8.3	SSW
SW	11	4.7	6.4	4.3	8.6	3.4	.4	27.9	4.9	SW
WSW	12	1.3	1.3	1.7	.0	.0	.0	4.3	3.1	WSW
W	13	.0	.9	.0	.4	.0	.0	1.3	4.3	W
WNW	14	.0	.4	.4	.0	.0	.0	.9	4.2	WNW
NW	15	1.3	1.3	.4	1.3	.0	.0	4.3	3.2	NW
NNW	16	.4	.4	.4	.4	.0	.0	1.7	3.8	NNW
CALM		.0						.0		
TOTAL		11.2	16.3	17.6	31.8	15.5	7.7	100.0	5.8	

100.0% DATA RECOVERED
31.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	.4	.8	5.4	.0	.0	6.5	6.6 N
NNE	2	.8	1.5	4.2	9.2	1.1	.0	16.9	5.8 NNE
NE	3	.8	3.8	4.2	.0	.0	.0	8.8	3.4 NE
ENE	4	.0	1.5	1.5	.0	.0	.0	3.1	3.2 ENE
E	5	.0	.0	.0	.0	.0	.0	.0	.0 E
ESE	6	.4	.0	.0	.0	.0	.0	.4	.7 ESE
SE	7	.0	.4	.0	.0	.0	.0	.4	2.3 SE
SSE	8	.0	.4	.0	.0	.0	.0	.4	2.0 SSE
S	9	.0	1.1	.8	.4	.0	.0	2.3	3.9 S
SSW	10	.4	1.5	2.7	8.0	3.1	4.2	19.9	7.7 SSW
SW	11	1.9	2.7	6.1	15.7	2.7	.0	29.1	5.8 SW
WSW	12	.0	.8	2.3	.4	.0	.0	3.4	4.3 WSW
W	13	.0	1.5	.0	.0	.0	.0	1.5	2.6 W
WNW	14	1.9	.0	.8	.0	.0	.0	2.7	2.0 WNW
NW	15	.4	.4	.4	.8	.4	.0	2.3	5.3 NW
NNW	16	.0	.0	.0	1.5	.8	.0	2.3	8.3 NNW
CALM		.0						.0	
TOTAL		6.5	16.1	23.8	41.4	8.0	4.2	100.0	5.7

100.0% DATA RECOVERED
36.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	.5	.5	.0	.0	.9	5.3	N
NNE	2	.5	2.4	.5	.5	.0	.0	3.8	3.2	NNE
NE	3	.0	.9	.9	.5	.0	.0	2.4	3.9	NE
ENE	4	.5	.5	.0	.0	.0	.0	.9	1.6	ENE
E	5	.5	.9	.5	.0	.0	.0	1.9	2.4	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.5	.0	.0	.0	.0	.5	2.8	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	1.4	.5	.5	.0	.0	.0	2.4	2.2	S
SSW	10	2.8	2.4	.9	5.2	3.8	2.4	17.5	6.6	SSW
SW	11	1.9	5.7	10.4	17.0	5.7	.5	41.0	5.7	SW
WSW	12	1.4	1.9	7.1	4.7	.0	.0	15.1	4.4	WSW
W	13	.5	2.4	.9	1.9	.0	.0	5.7	3.8	W
WNW	14	.0	.5	.5	.5	.0	.0	1.4	4.0	WNW
NW	15	.5	.5	.0	1.4	.0	.0	2.4	5.0	NW
NNW	16	1.4	.9	.9	.9	.0	.0	4.2	2.9	NNW
CALM		.0						.0		
TOTAL		11.3	19.8	23.6	33.0	9.4	2.8	100.0	5.1	

100.0% DATA RECOVERED
28.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.9	2.1	2.6	2.6	.4	8.6	6.8	N
NNE	2	.4	2.6	1.7	3.0	.4	.0	8.2	4.7	NNE
NE	3	1.3	.0	.9	.0	.4	.0	2.6	3.7	NE
ENE	4	.0	.4	1.3	.0	.0	.0	1.7	3.3	ENE
E	5	.0	.4	.0	.4	.0	.0	.9	4.5	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.4	.0	.0	.0	.4	5.3	SE
SSE	8	.0	.4	.0	.0	.0	.0	.4	2.2	SSE
S	9	1.3	.0	.0	.4	.4	.0	2.1	3.8	S
SSW	10	3.0	2.1	3.9	13.3	5.2	3.4	30.9	6.9	SSW
SW	11	4.3	3.9	3.9	17.6	2.6	.9	33.0	5.6	SW
WSW	12	.9	.0	.4	3.0	.0	.0	4.3	5.2	WSW
W	13	.0	.4	.0	.0	.0	.0	.4	2.3	W
WNW	14	.4	.9	.4	.4	.0	.0	2.1	3.4	WNW
NW	15	.0	.4	.0	.4	.0	.0	.9	4.3	NW
NNW	16	.4	.4	1.3	.9	.0	.4	3.4	5.6	NNW
CALM		.0						.0		
TOTAL		12.0	12.9	16.3	42.1	11.6	5.2	100.0	5.8	

100.0% DATA RECOVERED
32.4% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995

0 - 2400 (PST)

STABILITY CLASS D

3.5 - 4.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.5	2.8	.9	.0	.0	4.3	4.5	N
NNE	2	.5	.9	1.4	.0	.0	.0	2.8	2.9	NNE
NE	3	.9	1.4	.0	.0	.0	.0	2.4	1.9	NE
ENE	4	.5	.0	.0	.0	.0	.0	.5	1.7	ENE
E	5	.0	.0	.0	.5	.0	.0	.5	5.5	E
ESE	6	.0	.0	.5	.0	.0	.0	.5	4.5	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.5	.0	.0	.0	.0	.5	3.3	SSE
S	9	.5	.5	1.4	1.4	.0	.0	3.8	5.1	S
SSW	10	.9	2.4	2.8	14.7	10.9	.0	31.8	7.1	SSW
SW	11	2.8	3.3	5.7	31.8	2.4	.0	46.0	5.8	SW
WSW	12	.5	.5	.0	.9	.0	.0	1.9	3.8	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.5	.0	.0	.0	.5	3.9	WNW
NW	15	.0	.5	.0	2.4	.0	.0	2.8	6.1	NW
NNW	16	.0	.5	.5	.9	.0	.0	1.9	5.1	NNW
CALM		.0						.0		
TOTAL		6.6	10.9	15.6	53.6	13.3	.0	100.0	5.8	

96.9% DATA RECOVERED
29.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.6	.0	.0	.0	.0	.0	1.6	1.0
NNE	2	1.6	.8	.0	.0	.0	.0	2.4	1.6
NE	3	2.4	.4	.0	.0	.0	.0	2.8	1.6
ENE	4	.4	.0	.0	.0	.0	.0	.4	1.8
E	5	.0	.0	.0	.0	.0	.0	.0	.0
ESE	6	.0	.4	.0	.0	.0	.0	.4	2.2
SE	7	.0	.4	.4	.0	.0	.0	.8	2.9
SSE	8	.0	.0	.8	.4	.0	.0	1.2	4.8
S	9	.8	1.2	.0	2.0	.0	.0	3.9	4.7
SSW	10	1.2	1.2	2.8	24.8	5.5	.0	35.4	6.8
SW	11	3.1	4.3	6.3	28.3	4.7	1.6	48.4	6.1
WSW	12	.8	.8	.8	.0	.0	.0	2.4	2.7
W	13	.0	.0	.0	.0	.0	.0	.0	.0
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0
NW	15	.0	.0	.0	.0	.0	.0	.0	.0
NNW	16	.0	.4	.0	.0	.0	.0	.4	2.4
CALM		.0						.0	
TOTAL		11.8	9.8	11.0	55.5	10.2	1.6	100.0	5.8

99.5% DATA RECOVERED
34.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.7	.0	.0	.0	.0	.7	2.0	N
NNE	2	1.4	.7	1.4	6.8	.0	.0	10.1	5.5	NNE
NE	3	1.4	.7	.0	.0	.0	.0	2.0	1.9	NE
ENE	4	1.4	.0	.0	.0	.0	.0	1.4	1.4	ENE
E	5	.0	1.4	.0	.0	.0	.0	1.4	2.7	E
ESE	6	.7	.7	.7	.0	.0	.0	2.0	2.4	ESE
SE	7	.7	.7	3.4	.7	.0	.0	5.4	4.3	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	.7	.0	.0	.0	.0	.0	.7	1.6	S
SSW	10	1.4	2.7	5.4	10.8	1.4	.0	21.6	5.5	SSW
SW	11	3.4	2.0	8.1	30.4	2.0	.0	45.9	5.8	SW
WSW	12	.7	.7	1.4	.7	.0	.0	3.4	3.2	WSW
W	13	.0	.7	.0	.0	.0	.0	.7	2.4	W
WNW	14	.0	.7	.0	.0	.0	.0	.7	2.3	WNW
NW	15	1.4	.7	.0	.0	.0	.0	2.0	2.0	NW
NNW	16	.7	1.4	.0	.0	.0	.0	2.0	1.8	NNW
CALM		.0						.0		
TOTAL		13.5	13.5	20.3	49.3	3.4	.0	100.0	5.0	

83.5% DATA RECOVERED
24.6% OF RECOVERED DATA
REPORTED ABOVE

W I N D S P E E D C L A S S E S
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.4	.7	4.3	3.5	.0	.0	9.9	4.7
NNE	2	.0	.0	8.5	17.0	2.8	.0	28.4	6.6
NE	3	1.4	2.8	1.4	.0	.0	.0	5.7	2.9
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0
E	5	1.4	.0	.0	.0	.0	.0	1.4	1.2
ESE	6	.7	.0	.0	.0	.0	.0	.7	1.6
SE	7	.0	.0	.0	.0	.0	.0	.0	.0
SSE	8	.7	.0	.0	.0	.0	.0	.7	1.2
S	9	.7	2.1	.0	.0	.0	.0	2.8	2.2
SSW	10	2.8	2.1	.7	4.3	1.4	.0	11.3	4.4
SW	11	1.4	5.7	10.6	9.2	.0	.0	27.0	4.6
WSW	12	2.1	2.1	.7	.0	.0	.0	5.0	2.3
W	13	.7	.7	.0	.0	.0	.0	1.4	1.9
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0
NW	15	.7	.0	.0	.7	.0	.0	1.4	4.9
NNW	16	.7	.7	2.1	.0	.7	.0	4.3	4.4
CALM		.0						.0	
TOTAL		14.9	17.0	28.4	34.8	5.0	.0	100.0	4.7

96.8% DATA RECOVERED
19.6% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995

0 - 2400 (PST)

STABILITY CLASS D

3.5 - 4.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	1.5	8.8	1.5	.0	.0	11.8	4.9	N
NNE	2	1.5	1.5	4.4	4.4	.0	.0	11.8	4.5	NNE
NE	3	.0	4.4	.0	.0	.0	.0	4.4	2.3	NE
ENE	4	4.4	.0	.0	.0	.0	.0	4.4	1.2	ENE
E	5	2.9	.0	.0	.0	.0	.0	2.9	1.2	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	1.5	.0	.0	.0	.0	.0	1.5	.9	SE
SSE	8	1.5	.0	.0	.0	.0	.0	1.5	1.0	SSE
S	9	.0	1.5	1.5	.0	.0	.0	2.9	3.3	S
SSW	10	.0	5.9	2.9	.0	.0	.0	8.8	2.8	SSW
SW	11	7.4	5.9	11.8	8.8	.0	.0	33.8	3.7	SW
WSW	12	1.5	1.5	2.9	.0	.0	.0	5.9	2.6	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	1.5	.0	.0	.0	.0	1.5	2.1	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	1.5	.0	5.9	1.5	.0	8.8	6.6	NNW
CALM		.0						.0		
TOTAL		20.6	25.0	32.4	20.6	1.5	.0	100.0	3.7	

63.6% DATA RECOVERED
14.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	3.3	.0	5.7	.8	.0	9.8	6.1
NNE	2	.8	3.3	5.7	13.1	.8	.0	23.8	5.5
NE	3	.0	2.5	1.6	.8	.0	.0	4.9	3.6
ENE	4	2.5	1.6	.0	.0	.0	.0	4.1	1.4
E	5	5.7	.8	.0	.0	.0	.0	6.6	1.4
ESE	6	.8	.0	.0	.0	.0	.0	.8	.7
SE	7	.8	.0	.0	.0	.0	.0	.8	1.6
SSE	8	.8	.0	.0	.0	.0	.0	.8	1.2
S	9	.0	.8	.0	.0	.0	.0	.8	2.4
SSW	10	.8	.0	1.6	7.4	5.7	4.1	19.7	8.6
SW	11	1.6	1.6	4.9	4.1	.0	.0	12.3	4.6
WSW	12	.8	1.6	1.6	.0	.0	.0	4.1	3.4
W	13	.8	2.5	.8	.0	.0	.0	4.1	2.4
WNW	14	.0	.0	.0	2.5	.0	.0	2.5	7.3
NW	15	.0	.0	.0	.0	1.6	.0	1.6	9.1
NNW	16	.8	.8	.8	.8	.0	.0	3.3	3.8
CALM		.0						.0	
TOTAL		16.4	18.9	17.2	34.4	9.0	4.1	100.0	5.2

67.7% DATA RECOVERED
24.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM WS <= .5
1 .5< WS <= 1.8
2 1.8< WS <= 3.3
3 3.3< WS <= 5.4
4 5.4< WS <= 8.5
5 8.5< WS <=10.8
6 10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	7.7	2.2	.0	.0	.0	.0	9.9	1.6	N
NNE	2	2.2	1.1	.0	.0	.0	.0	3.3	1.3	NNE
NE	3	2.2	1.1	.0	.0	.0	.0	3.3	1.8	NE
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0	ENE
E	5	2.2	.0	.0	.0	.0	.0	2.2	1.4	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	3.3	.0	.0	.0	.0	.0	3.3	1.4	SE
SSE	8	1.1	.0	.0	.0	.0	.0	1.1	.7	SSE
S	9	1.1	1.1	.0	.0	.0	.0	2.2	1.8	S
SSW	10	11.0	.0	.0	.0	.0	.0	11.0	1.0	SSW
SW	11	14.3	2.2	.0	.0	.0	.0	16.5	1.3	SW
WSW	12	12.1	2.2	.0	.0	.0	.0	14.3	1.3	WSW
W	13	5.5	.0	.0	.0	.0	.0	5.5	1.2	W
WNW	14	6.6	4.4	.0	.0	.0	.0	11.0	1.8	WNW
NW	15	4.4	6.6	.0	.0	.0	.0	11.0	1.8	NW
NNW	16	2.2	2.2	.0	.0	.0	.0	4.4	1.9	NNW
CALM		1.1						1.1		
TOTAL		76.9	23.1	.0	.0	.0	.0	100.0	1.4	

100.0% DATA RECOVERED
12.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995

0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	4.2	.0	.0	.0	.0	.0	4.2	1.3	N
NNE	2	2.1	.0	.0	.0	.0	.0	2.1	1.3	NNE
NE	3	.0	2.1	.0	.0	.0	.0	2.1	1.8	NE
ENE	4	2.1	.0	.0	.0	.0	.0	2.1	1.6	ENE
E	5	2.1	2.1	.0	.0	.0	.0	4.2	1.6	E
ESE	6	.0	2.1	.0	.0	.0	.0	2.1	2.2	ESE
SE	7	.0	2.1	.0	.0	.0	.0	2.1	2.9	SE
SSE	8	2.1	.0	.0	.0	.0	.0	2.1	.8	SSE
S	9	4.2	.0	.0	.0	.0	.0	4.2	1.0	S
SSW	10	14.6	.0	.0	.0	.0	.0	14.6	.9	SSW
SW	11	12.5	4.2	2.1	.0	.0	.0	18.8	1.8	SW
WSW	12	10.4	2.1	.0	.0	.0	.0	12.5	1.1	WSW
W	13	12.5	.0	.0	.0	.0	.0	12.5	1.3	W
WNW	14	.0	2.1	.0	.0	.0	.0	2.1	2.5	WNW
NW	15	2.1	6.3	.0	.0	.0	.0	8.3	1.8	NW
NNW	16	4.2	.0	.0	.0	.0	.0	4.2	1.1	NNW
CALM		2.1						2.1		
TOTAL		75.0	22.9	2.1	.0	.0	.0	100.0	1.4	

100.0% DATA RECOVERED
7.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	3.3	1.6	.0	.0	.0	4.9	2.7	N
NNE	2	.0	9.8	1.6	.0	.0	.0	11.5	2.9	NNE
NE	3	1.6	1.6	.0	.0	.0	.0	3.3	2.1	NE
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0	ENE
E	5	1.6	.0	.0	.0	.0	.0	1.6	1.2	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	1.6	.0	.0	.0	.0	.0	1.6	1.1	SSE
S	9	1.6	3.3	.0	.0	.0	.0	4.9	1.8	S
SSW	10	13.1	6.6	.0	.0	.0	.0	19.7	1.5	SSW
SW	11	13.1	4.9	.0	.0	.0	.0	18.0	1.5	SW
WSW	12	11.5	1.6	1.6	.0	.0	.0	14.8	1.5	WSW
W	13	4.9	.0	.0	.0	.0	.0	4.9	1.0	W
WNW	14	1.6	1.6	.0	.0	.0	.0	3.3	2.1	WNW
NW	15	4.9	3.3	.0	.0	.0	.0	8.2	1.9	NW
NNW	16	1.6	.0	.0	.0	.0	.0	1.6	1.1	NNW
CALM		1.6						1.6		
TOTAL		59.0	36.1	4.9	.0	.0	.0	100.0	1.7	

100.0% DATA RECOVERED
8.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	3.6	5.4	.0	.0	.0	.0	8.9	1.9	N
NNE	2	3.6	1.8	.0	.0	.0	.0	5.4	1.3	NNE
NE	3	.0	3.6	.0	.0	.0	.0	3.6	2.5	NE
ENE	4	1.8	.0	.0	.0	.0	.0	1.8	1.2	ENE
E	5	.0	5.4	.0	.0	.0	.0	5.4	2.6	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	1.8	.0	.0	.0	.0	.0	1.8	1.1	SSE
S	9	1.8	1.8	1.8	.0	.0	.0	5.4	2.3	S
SSW	10	3.6	1.8	.0	.0	.0	.0	5.4	1.5	SSW
SW	11	14.3	10.7	3.6	.0	.0	.0	28.6	2.0	SW
WSW	12	8.9	5.4	3.6	.0	.0	.0	17.9	2.2	WSW
W	13	1.8	.0	1.8	.0	.0	.0	3.6	2.2	W
WNW	14	1.8	.0	.0	.0	.0	.0	1.8	.9	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	5.4	5.4	.0	.0	.0	.0	10.7	1.7	NNW
CALM		.0						.0		
TOTAL		48.2	41.1	10.7	.0	.0	.0	100.0	2.0	

100.0% DATA RECOVERED
7.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)		
WIND DIR	SECTOR	1	2	3	4	5	6				
N	1	1.9	.0	.0	.0	.0	.0	1.9	1.5	N	
NNE	2	1.9	1.9	.0	.0	.0	.0	3.8	1.7	NNE	
NE	3	1.9	.0	.0	.0	.0	.0	1.9	.7	NE	
ENE	4	1.9	.0	.0	.0	.0	.0	1.9	1.2	ENE	
E	5	.0	.0	.0	.0	.0	.0	.0	.0	E	
ESE	6	1.9	.0	.0	.0	.0	.0	1.9	1.5	ESE	
SE	7	3.8	.0	.0	.0	.0	.0	3.8	.6	SE	
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE	
S	9	9.4	.0	.0	.0	.0	.0	9.4	1.1	S	
SSW	10	17.0	5.7	.0	.0	.0	.0	22.6	1.6	SSW	
SW	11	20.8	5.7	1.9	.0	.0	.0	28.3	1.5	SW	
WSW	12	3.8	3.8	1.9	.0	.0	.0	9.4	2.3	WSW	
W	13	3.8	.0	.0	.0	.0	.0	3.8	1.1	W	
WNW	14	3.8	.0	.0	.0	.0	.0	3.8	1.3	WNW	
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW	
NNW	16	1.9	.0	.0	.0	.0	.0	1.9	1.3	NNW	
CALM		5.7						5.7			
TOTAL		79.2	17.0	3.8	.0	.0	.0	100.0	1.4		

100.0% DATA RECOVERED
7.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)
CALM WS <= .5
1 .5< WS <= 1.8
2 1.8< WS <= 3.3
3 3.3< WS <= 5.4
4 5.4< WS <= 8.5
5 8.5< WS <=10.8
6 10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	2.4	7.1	2.4	.0	.0	.0	11.9	2.7	N
NNE	2	2.4	11.9	.0	.0	.0	.0	14.3	2.4	NNE
NE	3	2.4	.0	.0	.0	.0	.0	2.4	1.5	NE
ENE	4	4.8	2.4	.0	.0	.0	.0	7.1	1.5	ENE
E	5	.0	.0	.0	.0	.0	.0	.0	.0	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	2.4	.0	.0	.0	.0	.0	2.4	1.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	.0	2.4	.0	.0	.0	.0	2.4	2.1	S
SSW	10	7.1	9.5	.0	.0	.0	.0	16.7	1.9	SSW
SW	11	16.7	4.8	2.4	.0	.0	.0	23.8	1.7	SW
WSW	12	2.4	7.1	.0	.0	.0	.0	9.5	2.3	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	2.4	.0	.0	.0	.0	2.4	2.6	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	2.4	4.8	.0	.0	.0	.0	7.1	2.1	NNW
CALM		.0						.0		
TOTAL		42.9	52.4	4.8	.0	.0	.0	100.0	2.0	

100.0% DATA RECOVERED
5.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	1.9	.0	.0	.0	.0	1.9	2.0 N
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0 NNE
NE	3	3.8	.0	.0	.0	.0	.0	3.8	1.3 NE
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0 ENE
E	5	.0	.0	.0	.0	.0	.0	.0	.0 E
ESE	6	1.9	.0	.0	.0	.0	.0	1.9	1.2 ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0 SE
SSE	8	.0	1.9	.0	.0	.0	.0	1.9	2.6 SSE
S	9	5.8	1.9	.0	.0	.0	.0	7.7	1.7 S
SSW	10	7.7	3.8	.0	.0	.0	.0	11.5	1.9 SSW
SW	11	21.2	17.3	7.7	.0	.0	.0	46.2	2.1 SW
WSW	12	3.8	3.8	1.9	.0	.0	.0	9.6	2.1 WSW
W	13	1.9	1.9	.0	.0	.0	.0	3.8	1.8 W
WNW	14	1.9	.0	.0	.0	.0	.0	1.9	.7 WNW
NW	15	5.8	1.9	.0	.0	.0	.0	7.7	1.4 NW
NNW	16	.0	1.9	.0	.0	.0	.0	1.9	2.4 NNW
CALM		.0						.0	
TOTAL		53.8	36.5	9.6	.0	.0	.0	100.0	1.9

96.9% DATA RECOVERED
7.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995

0 - 2400 (PST)

STABILITY CLASS E

4.5 - 5.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.1	.0	.0	.0	.0	.0	2.1	1.0
NNE	2	.0	2.1	.0	.0	.0	.0	2.1	2.1
NE	3	6.4	.0	.0	.0	.0	.0	6.4	1.3
ENE	4	6.4	.0	.0	.0	.0	.0	6.4	1.6
E	5	.0	.0	.0	.0	.0	.0	.0	.0
ESE	6	2.1	2.1	.0	.0	.0	.0	4.3	1.8
SE	7	.0	.0	.0	.0	.0	.0	.0	.0
SSE	8	2.1	.0	.0	.0	.0	.0	2.1	1.1
S	9	10.6	4.3	2.1	.0	.0	.0	17.0	1.9
SSW	10	6.4	4.3	2.1	.0	.0	.0	12.8	2.2
SW	11	10.6	8.5	.0	.0	.0	.0	19.1	1.8
WSW	12	4.3	6.4	.0	.0	.0	.0	10.6	2.2
W	13	2.1	.0	.0	.0	.0	.0	2.1	1.3
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0
NW	15	6.4	2.1	.0	.0	.0	.0	8.5	1.3
NNW	16	6.4	.0	.0	.0	.0	.0	6.4	.9
CALM		.0						.0	
TOTAL		66.0	29.8	4.3	.0	.0	.0	100.0	1.7

99.5% DATA RECOVERED
6.4% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM WS <= .5
1 .5< WS <= 1.8
2 1.8< WS <= 3.3
3 3.3< WS <= 5.4
4 5.4< WS <= 8.5
5 8.5< WS <=10.8
6 10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	5.7	.0	.0	.0	.0	.0	5.7	.7	N
NNE	2	8.6	2.9	.0	.0	.0	.0	11.4	1.4	NNE
NE	3	5.7	5.7	.0	.0	.0	.0	11.4	1.7	NE
ENE	4	2.9	.0	.0	.0	.0	.0	2.9	1.4	ENE
E	5	.0	.0	.0	.0	.0	.0	.0	.0	E
ESE	6	2.9	.0	.0	.0	.0	.0	2.9	.8	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	2.9	2.9	.0	.0	.0	.0	5.7	2.1	S
SSW	10	2.9	5.7	.0	.0	.0	.0	8.6	2.2	SSW
SW	11	17.1	2.9	11.4	.0	.0	.0	31.4	2.3	SW
WSW	12	.0	.0	.0	.0	.0	.0	.0	.0	WSW
W	13	5.7	.0	.0	.0	.0	.0	5.7	1.2	W
WNW	14	2.9	2.9	.0	.0	.0	.0	5.7	1.8	WNW
NW	15	2.9	5.7	.0	.0	.0	.0	8.6	2.1	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		.0						.0		
TOTAL		60.0	28.6	11.4	.0	.0	.0	100.0	1.8	

83.5% DATA RECOVERED
5.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	4.8	7.1	4.8	.0	.0	.0	16.7	2.6	N
NNE	2	2.4	2.4	.0	.0	.0	.0	4.8	1.8	NNE
NE	3	9.5	2.4	.0	.0	.0	.0	11.9	1.3	NE
ENE	4	2.4	4.8	.0	.0	.0	.0	7.1	2.0	ENE
E	5	7.1	.0	.0	.0	.0	.0	7.1	.9	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	.0	2.4	.0	.0	.0	.0	2.4	2.1	S
SSW	10	.0	4.8	2.4	.0	.0	.0	7.1	2.7	SSW
SW	11	7.1	11.9	.0	.0	.0	.0	19.0	1.7	SW
WSW	12	.0	2.4	.0	.0	.0	.0	2.4	2.0	WSW
W	13	7.1	2.4	.0	.0	.0	.0	9.5	1.5	W
WNW	14	4.8	.0	.0	.0	.0	.0	4.8	1.2	WNW
NW	15	.0	2.4	.0	.0	.0	.0	2.4	2.5	NW
NNW	16	.0	4.8	.0	.0	.0	.0	4.8	2.6	NNW
CALM		.0						.0		
TOTAL		45.2	47.6	7.1	.0	.0	.0	100.0	1.9	

96.8% DATA RECOVERED
5.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995

0 - 2400 (PST)

STABILITY CLASS E

4.5 - 5.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	4.3	.0	.0	.0	.0	4.3	2.4 N
NNE	2	8.7	4.3	4.3	.0	.0	.0	17.4	2.1 NNE
NE	3	8.7	.0	.0	.0	.0	.0	8.7	1.3 NE
ENE	4	.0	4.3	.0	.0	.0	.0	4.3	2.0 ENE
E	5	4.3	.0	.0	.0	.0	.0	4.3	1.4 E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0 ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0 SE
SSE	8	4.3	.0	.0	.0	.0	.0	4.3	1.6 SSE
S	9	4.3	.0	.0	.0	.0	.0	4.3	1.0 S
SSW	10	.0	8.7	.0	.0	.0	.0	8.7	2.1 SSW
SW	11	17.4	.0	.0	.0	.0	.0	17.4	1.5 SW
WSW	12	8.7	.0	.0	.0	.0	.0	8.7	1.2 WSW
W	13	4.3	.0	.0	.0	.0	.0	4.3	.9 W
WNW	14	8.7	.0	.0	.0	.0	.0	8.7	1.1 WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0 NW
NNW	16	4.3	.0	.0	.0	.0	.0	4.3	.9 NNW
CALM		.0						.0	
TOTAL		73.9	21.7	4.3	.0	.0	.0	100.0	1.6

63.6% DATA RECOVERED
5.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995

0 - 2400 (PST)

STABILITY CLASS E

4.5 - 5.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	2.9	.0	.0	.0	.0	2.9	2.9	N
NNE	2	5.7	8.6	.0	.0	.0	.0	14.3	1.8	NNE
NE	3	2.9	2.9	2.9	.0	.0	.0	8.6	2.3	NE
ENE	4	5.7	2.9	.0	.0	.0	.0	8.6	1.6	ENE
E	5	2.9	.0	.0	.0	.0	.0	2.9	1.4	E
ESE	6	8.6	.0	.0	.0	.0	.0	8.6	1.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	2.9	.0	.0	.0	.0	.0	2.9	.6	SSE
S	9	.0	.0	.0	.0	.0	.0	.0	.0	S
SSW	10	5.7	.0	5.7	.0	.0	.0	11.4	2.7	SSW
SW	11	2.9	5.7	2.9	.0	.0	.0	11.4	2.6	SW
WSW	12	5.7	.0	.0	.0	.0	.0	5.7	.9	WSW
W	13	.0	2.9	.0	.0	.0	.0	2.9	2.4	W
WNW	14	8.6	.0	.0	.0	.0	.0	8.6	1.4	WNW
NW	15	2.9	5.7	.0	.0	.0	.0	8.6	1.8	NW
NNW	16	.0	2.9	.0	.0	.0	.0	2.9	2.9	NNW
CALM		.0						.0		
TOTAL		54.3	34.3	11.4	.0	.0	.0	100.0	1.9	

67.7% DATA RECOVERED
6.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995

0 - 2400 (PST)

STABILITY CLASS F

5.5 - 6.6

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	6.0	.0	.0	.0	.0	.0	6.0	1.1	N
NNE	2	9.3	.0	.0	.0	.0	.0	9.3	1.1	NNE
NE	3	3.9	.7	.0	.0	.0	.0	4.6	1.1	NE
ENE	4	3.6	.4	.0	.0	.0	.0	3.9	1.2	ENE
E	5	3.6	.4	.0	.0	.0	.0	3.9	1.0	E
ESE	6	2.8	.0	.0	.0	.0	.0	2.8	1.0	ESE
SE	7	2.5	.0	.0	.0	.0	.0	2.5	.8	SE
SSE	8	2.5	.4	.0	.0	.0	.0	2.8	1.1	SSE
S	9	2.8	.0	.0	.0	.0	.0	2.8	.9	S
SSW	10	6.8	.0	.0	.0	.0	.0	6.8	1.1	SSW
SW	11	10.3	.0	.0	.0	.0	.0	10.3	1.1	SW
WSW	12	10.0	.0	.0	.0	.0	.0	10.0	1.0	WSW
W	13	7.8	.4	.0	.0	.0	.0	8.2	1.1	W
WNW	14	7.1	.0	.0	.0	.0	.0	7.1	1.2	WNW
NW	15	8.5	.7	.0	.0	.0	.0	9.3	1.3	NW
NNW	16	8.5	.4	.0	.0	.0	.0	8.9	1.1	NNW
CALM		.7						.7		
TOTAL		96.8	3.2	.0	.0	.0	.0	100.0	1.1	

100.0% DATA RECOVERED
37.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

	(MPS)
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995
0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.8	.3	.0	.0	.0	.0	5.1	1.1
NNE	2	6.3	.3	.0	.0	.0	.0	6.5	1.1
NE	3	3.9	.0	.0	.0	.0	.0	3.9	1.0
ENE	4	4.5	.3	.0	.0	.0	.0	4.8	1.1
E	5	3.9	.0	.0	.0	.0	.0	3.9	.9
ESE	6	3.3	.0	.0	.0	.0	.0	3.3	.9
SE	7	3.3	.0	.0	.0	.0	.0	3.3	1.0
SSE	8	3.3	.0	.0	.0	.0	.0	3.3	.9
S	9	3.6	.3	.0	.0	.0	.0	3.9	1.0
SSW	10	8.0	.6	.0	.0	.0	.0	8.6	1.0
SW	11	13.7	.3	.0	.0	.0	.0	14.0	1.0
WSW	12	8.6	.9	.0	.0	.0	.0	9.5	1.0
W	13	10.4	.0	.0	.0	.0	.0	10.4	.9
WNW	14	4.5	.0	.0	.0	.0	.0	4.5	1.0
NW	15	5.1	.6	.0	.0	.0	.0	5.7	1.2
NNW	16	7.1	.6	.0	.0	.0	.0	7.7	1.0
CALM		1.8						1.8	

TOTAL		95.8	4.2	.0	.0	.0	.0	100.0	1.0

100.0% DATA RECOVERED
50.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPIRIT TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995

0 - 2400 (PST)

STABILITY CLASS F

5.5 - 6.6

		WIND SPEED CLASS							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	6.8	.4	.0	.0	.0	.0	7.1	1.0
NNE	2	3.4	.8	.0	.0	.0	.0	4.1	1.1
NE	3	3.0	.4	.0	.0	.0	.0	3.4	1.3
ENE	4	2.3	.4	.0	.0	.0	.0	2.6	1.5
E	5	4.1	.0	.0	.0	.0	.0	4.1	1.1
ESE	6	1.9	.8	.0	.0	.0	.0	2.6	1.5
SE	7	1.9	.0	.0	.0	.0	.0	1.9	1.1
SSE	8	4.5	.4	.0	.0	.0	.0	4.9	1.2
S	9	4.5	.8	.0	.0	.0	.0	5.3	1.2
SSW	10	8.6	.8	.0	.0	.0	.0	9.4	1.1
SW	11	11.7	.0	.0	.0	.0	.0	11.7	1.1
WSW	12	9.4	.8	.0	.0	.0	.0	10.2	1.3
W	13	7.5	1.1	.0	.0	.0	.0	8.6	1.2
WNW	14	9.0	.0	.0	.0	.0	.0	9.0	1.2
NW	15	8.3	.4	.0	.0	.0	.0	8.6	1.2
NNW	16	6.0	.0	.0	.0	.0	.0	6.0	1.1
CALM		.4						.4	
TOTAL		93.2	6.8	.0	.0	.0	.0	100.0	1.2

100.0% DATA RECOVERED
35.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995
0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	6.0	.0	.0	.0	.0	.0	6.0	1.1	N
NNE	2	4.7	1.4	.0	.0	.0	.0	6.0	1.3	NNE
NE	3	4.2	.0	.0	.0	.0	.0	4.2	1.3	NE
ENE	4	4.2	.0	.0	.0	.0	.0	4.2	1.4	ENE
E	5	2.3	.0	.0	.0	.0	.0	2.3	1.1	E
ESE	6	2.8	.0	.0	.0	.0	.0	2.8	1.0	ESE
SE	7	1.4	.0	.0	.0	.0	.0	1.4	1.2	SE
SSE	8	4.7	.0	.0	.0	.0	.0	4.7	1.2	SSE
S	9	7.0	.0	.0	.0	.0	.0	7.0	1.1	S
SSW	10	6.5	.5	.0	.0	.0	.0	7.0	1.1	SSW
SW	11	10.2	.0	.0	.0	.0	.0	10.2	1.1	SW
WSW	12	9.3	.5	.0	.0	.0	.0	9.8	1.1	WSW
W	13	7.4	.9	.0	.0	.0	.0	8.4	1.2	W
WNW	14	5.1	.5	.0	.0	.0	.0	5.6	1.0	WNW
NW	15	10.7	.9	.0	.0	.0	.0	11.6	1.1	NW
NNW	16	4.2	1.9	.0	.0	.0	.0	6.0	1.4	NNW
CALM		2.8						2.8		
TOTAL		93.5	6.5	.0	.0	.0	.0	100.0	1.1	

100.0% DATA RECOVERED
29.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995

0 - 2400 (PST)

STABILITY CLASS F

5.5 - 6.6

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	7.0	.0	.0	.0	.0	.0	7.0	.9	N
NNE	2	3.9	.4	.0	.0	.0	.0	4.3	1.1	NNE
NE	3	1.7	.0	.0	.0	.0	.0	1.7	1.0	NE
ENE	4	4.3	.4	.0	.0	.0	.0	4.8	1.2	ENE
E	5	2.2	.0	.0	.0	.0	.0	2.2	1.0	E
ESE	6	1.7	.0	.0	.0	.0	.0	1.7	.9	ESE
SE	7	.9	.0	.0	.0	.0	.0	.9	.9	SE
SSE	8	3.9	.0	.0	.0	.0	.0	3.9	.9	SSE
S	9	3.9	.0	.0	.0	.0	.0	3.9	1.1	S
SSW	10	9.1	1.3	.0	.0	.0	.0	10.4	1.2	SSW
SW	11	13.5	1.7	.0	.0	.0	.0	15.2	1.2	SW
WSW	12	12.2	.0	.0	.0	.0	.0	12.2	1.0	WSW
W	13	5.7	1.3	.0	.0	.0	.0	7.0	1.2	W
WNW	14	7.4	.4	.0	.0	.0	.0	7.8	1.1	WNW
NW	15	7.4	.4	.0	.0	.0	.0	7.8	1.2	NW
NNW	16	7.0	.4	.0	.0	.0	.0	7.4	1.2	NNW
CALM		1.7						1.7		
TOTAL		93.5	6.5	.0	.0	.0	.0	100.0	1.1	

100.0% DATA RECOVERED
30.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995
0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	6.7	.0	.0	.0	.0	.0	6.7	1.1
NNE	2	9.3	1.0	.0	.0	.0	.0	10.3	1.2
NE	3	3.6	.0	.0	.0	.0	.0	3.6	1.2
ENE	4	2.6	.5	.0	.0	.0	.0	3.1	1.2
E	5	3.1	.0	.0	.0	.0	.0	3.1	1.2
ESE	6	.5	.0	.0	.0	.0	.0	.5	1.4
SE	7	2.1	.0	.0	.0	.0	.0	2.1	1.0
SSE	8	1.5	.0	.0	.0	.0	.0	1.5	.9
S	9	4.6	.0	.0	.0	.0	.0	4.6	.9
SSW	10	13.9	.0	.0	.0	.0	.0	13.9	1.1
SW	11	11.3	1.0	.0	.0	.0	.0	12.4	1.1
WSW	12	9.3	.5	.0	.0	.0	.0	9.8	1.0
W	13	7.7	.0	.0	.0	.0	.0	7.7	1.1
WNW	14	6.2	.0	.0	.0	.0	.0	6.2	.9
NW	15	4.6	.0	.0	.0	.0	.0	4.6	1.0
NNW	16	6.2	1.0	.0	.0	.0	.0	7.2	1.2
CALM		2.6						2.6	

TOTAL		95.9	4.1	.0	.0	.0	.0	100.0	1.1

100.0% DATA RECOVERED
26.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995

0 - 2400 (PST)

STABILITY CLASS F

5.5 - 6.6

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	8.8	.0	.0	.0	.0	.0	8.8	1.0	N
NNE	2	6.2	.8	.0	.0	.0	.0	6.9	1.2	NNE
NE	3	6.2	1.2	.0	.0	.0	.0	7.3	1.1	NE
ENE	4	4.2	.0	.0	.0	.0	.0	4.2	1.2	ENE
E	5	3.5	.0	.0	.0	.0	.0	3.5	.9	E
ESE	6	2.3	.0	.0	.0	.0	.0	2.3	.7	ESE
SE	7	1.9	.0	.0	.0	.0	.0	1.9	1.0	SE
SSE	8	5.0	.0	.0	.0	.0	.0	5.0	.9	SSE
S	9	3.1	.0	.0	.0	.0	.0	3.1	.9	S
SSW	10	4.2	.0	.0	.0	.0	.0	4.2	1.1	SSW
SW	11	13.5	.4	.0	.0	.0	.0	13.8	1.1	SW
WSW	12	9.6	.8	.0	.0	.0	.0	10.4	1.1	WSW
W	13	5.8	.8	.0	.0	.0	.0	6.5	1.0	W
WNW	14	5.0	.4	.0	.0	.0	.0	5.4	.9	WNW
NW	15	5.0	.0	.0	.0	.0	.0	5.0	1.0	NW
NNW	16	6.9	.0	.0	.0	.0	.0	6.9	1.1	NNW
CALM		4.6						4.6		
TOTAL		95.8	4.2	.0	.0	.0	.0	100.0	1.0	

96.9% DATA RECOVERED
36.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995

0 - 2400 (PST)

STABILITY CLASS F

5.5 - 6.6

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	10.1	.0	.0	.0	.0	.0	10.1	1.0	N
NNE	2	8.6	.0	.0	.0	.0	.0	8.6	1.0	NNE
NE	3	6.1	.4	.0	.0	.0	.0	6.5	1.2	NE
ENE	4	5.8	.0	.0	.0	.0	.0	5.8	1.1	ENE
E	5	3.2	.0	.0	.0	.0	.0	3.2	.9	E
ESE	6	3.2	.0	.0	.0	.0	.0	3.2	.9	ESE
SE	7	1.4	.0	.0	.0	.0	.0	1.4	.9	SE
SSE	8	1.4	.4	.0	.0	.0	.0	1.8	1.2	SSE
S	9	4.0	.4	.0	.0	.0	.0	4.3	1.0	S
SSW	10	6.5	.0	.0	.0	.0	.0	6.5	1.0	SSW
SW	11	9.0	.0	.0	.0	.0	.0	9.0	.9	SW
WSW	12	11.5	.0	.0	.0	.0	.0	11.5	1.0	WSW
W	13	5.8	.4	.0	.0	.0	.0	6.1	1.0	W
WNW	14	6.5	.4	.0	.0	.0	.0	6.8	1.0	WNW
NW	15	5.4	.0	.0	.0	.0	.0	5.4	.9	NW
NNW	16	6.8	.4	.0	.0	.0	.0	7.2	1.2	NNW
CALM		2.5						2.5		

TOTAL		97.8	2.2	.0	.0	.0	.0	100.0	1.0	

99.5% DATA RECOVERED
37.6% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995

0 - 2400 (PST)

STABILITY CLASS F

5.5 - 6.6

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	7.4	.0	.0	.0	.0	.0	7.4	.9	N
NNE	2	7.8	.4	.0	.0	.0	.0	8.2	1.0	NNE
NE	3	5.7	.4	.0	.0	.0	.0	6.1	1.1	NE
ENE	4	2.9	.0	.0	.0	.0	.0	2.9	1.2	ENE
E	5	2.0	.0	.0	.0	.0	.0	2.0	.9	E
ESE	6	1.6	.0	.0	.0	.0	.0	1.6	.8	ESE
SE	7	2.0	.0	.0	.0	.0	.0	2.0	.9	SE
SSE	8	1.6	.0	.0	.0	.0	.0	1.6	.9	SSE
S	9	6.6	.0	.0	.0	.0	.0	6.6	.9	S
SSW	10	9.4	.4	.0	.0	.0	.0	9.8	1.1	SSW
SW	11	13.5	.0	.0	.0	.0	.0	13.5	1.0	SW
WSW	12	11.9	.0	.0	.0	.0	.0	11.9	1.0	WSW
W	13	4.9	.0	.0	.0	.0	.0	4.9	.9	W
WNW	14	5.7	.0	.0	.0	.0	.0	5.7	.9	WNW
NW	15	6.6	.0	.0	.0	.0	.0	6.6	1.0	NW
NNW	16	7.0	.4	.0	.0	.0	.0	7.4	1.0	NNW
CALM		1.6						1.6		
TOTAL		98.4	1.6	.0	.0	.0	.0	100.0	1.0	

83.5% DATA RECOVERED
40.6% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995

0 - 2400 (PST)

STABILITY CLASS F

5.5 - 6.6

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	5.3	.0	.0	.0	.0	.0	5.3	1.0	N
NNE	2	4.5	.3	.0	.0	.0	.0	4.7	1.0	NNE
NE	3	4.7	.3	.0	.0	.0	.0	5.0	1.0	NE
ENE	4	4.2	.3	.0	.0	.0	.0	4.5	1.0	ENE
E	5	4.5	.0	.0	.0	.0	.0	4.5	.8	E
ESE	6	1.2	.3	.0	.0	.0	.0	1.5	1.4	ESE
SE	7	1.8	.0	.0	.0	.0	.0	1.8	.9	SE
SSE	8	3.3	.3	.0	.0	.0	.0	3.6	1.0	SSE
S	9	7.4	.6	.0	.0	.0	.0	8.0	1.0	S
SSW	10	10.4	.3	.0	.0	.0	.0	10.7	.9	SSW
SW	11	12.5	.0	.0	.0	.0	.0	12.5	1.0	SW
WSW	12	11.0	.0	.0	.0	.0	.0	11.0	1.0	WSW
W	13	6.2	.3	.0	.0	.0	.0	6.5	1.0	W
WNW	14	4.7	.3	.0	.0	.0	.0	5.0	1.1	WNW
NW	15	7.4	.0	.0	.0	.0	.0	7.4	1.0	NW
NNW	16	4.7	.0	.0	.0	.0	.0	4.7	.8	NNW
CALM		3.3						3.3		

TOTAL		97.0	3.0	.0	.0	.0	.0	100.0	.9	

96.8% DATA RECOVERED
46.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995
0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	5.3	.0	.0	.0	.0	.0	5.3	1.1 N
NNE	2	7.8	.4	.0	.0	.0	.0	8.2	1.0 NNE
NE	3	4.5	.4	.0	.0	.0	.0	4.9	1.1 NE
ENE	4	4.1	.4	.0	.0	.0	.0	4.5	1.0 ENE
E	5	2.9	.0	.0	.0	.0	.0	2.9	1.1 E
ESE	6	3.7	.0	.0	.0	.0	.0	3.7	.9 ESE
SE	7	2.5	.0	.0	.0	.0	.0	2.5	1.0 SE
SSE	8	4.1	.4	.0	.0	.0	.0	4.5	1.2 SSE
S	9	5.8	.0	.0	.0	.0	.0	5.8	1.0 S
SSW	10	7.4	.0	.0	.0	.0	.0	7.4	1.0 SSW
SW	11	13.2	.0	.0	.0	.0	.0	13.2	1.1 SW
WSW	12	10.3	.0	.0	.0	.0	.0	10.3	1.0 WSW
W	13	5.3	.0	.0	.0	.0	.0	5.3	.9 W
WNW	14	2.9	.0	.0	.0	.0	.0	2.9	1.2 WNW
NW	15	9.5	1.6	.0	.0	.0	.0	11.1	1.2 NW
NNW	16	4.5	.8	.0	.0	.0	.0	5.3	1.1 NNW
CALM		2.1						2.1	
TOTAL		95.9	4.1	.0	.0	.0	.0	100.0	1.0

63.6% DATA RECOVERED
53.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995

0 - 2400 (PST)

STABILITY CLASS F

5.5 - 6.6

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	6.7	.0	.0	.0	.0	.0	6.7	1.1	N
NNE	2	6.3	.4	.0	.0	.0	.0	6.7	1.1	NNE
NE	3	5.2	.0	.0	.0	.0	.0	5.2	1.0	NE
ENE	4	5.6	.4	.0	.0	.0	.0	6.0	1.1	ENE
E	5	3.2	.4	.0	.0	.0	.0	3.6	1.0	E
ESE	6	2.8	.0	.0	.0	.0	.0	2.8	1.0	ESE
SE	7	2.4	.0	.0	.0	.0	.0	2.4	1.1	SE
SSE	8	4.4	.0	.0	.0	.0	.0	4.4	.9	SSE
S	9	6.3	.0	.0	.0	.0	.0	6.3	1.0	S
SSW	10	9.9	.4	.0	.0	.0	.0	10.3	1.0	SSW
SW	11	9.5	.8	.0	.0	.0	.0	10.3	1.2	SW
WSW	12	6.7	.0	.0	.0	.0	.0	6.7	1.1	WSW
W	13	9.1	.0	.0	.0	.0	.0	9.1	1.1	W
WNW	14	4.4	.0	.0	.0	.0	.0	4.4	1.1	WNW
NW	15	7.9	.0	.0	.0	.0	.0	7.9	1.2	NW
NNW	16	6.3	.0	.0	.0	.0	.0	6.3	1.0	NNW
CALM		.8						.8		
TOTAL		97.6	2.4	.0	.0	.0	.0	100.0	1.1	

67.7% DATA RECOVERED
50.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995
0 - 2400 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	3.6	1.9	.0	.0	.0	.0	5.5	1.5	N
NNE	2	3.4	.9	.9	.0	.0	.0	5.2	1.9	NNE
NE	3	3.1	1.6	.8	.1	.0	.0	5.6	2.1	NE
ENE	4	1.9	.9	.0	.0	.0	.0	2.8	1.5	ENE
E	5	3.4	.9	.3	.0	.0	.0	4.6	1.6	E
ESE	6	2.2	.8	.7	.0	.0	.0	3.6	1.8	ESE
SE	7	2.3	.5	1.1	.7	.0	.0	4.6	2.6	SE
SSE	8	3.4	1.1	.5	.0	.0	.0	5.0	1.7	SSE
S	9	2.7	.4	.5	.0	.0	.0	3.6	1.6	S
SSW	10	3.9	.9	.1	.5	1.3	.0	6.9	3.5	SSW
SW	11	5.6	2.6	.4	2.4	.0	.0	11.0	2.8	SW
WSW	12	6.7	2.2	.5	.3	.0	.0	9.7	1.6	WSW
W	13	5.0	.4	.3	.1	.0	.0	5.8	1.6	W
WNW	14	3.4	1.9	.3	.0	.0	.0	5.5	1.9	WNW
NW	15	4.0	4.6	1.1	.0	.0	.0	9.7	2.1	NW
NNW	16	3.1	1.6	.1	.1	.0	.0	5.0	1.8	NNW
CALM		5.9						5.9		
TOTAL		63.4	23.3	7.7	4.3	1.3	.0	100.0	1.9	

100.0% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995
0 - 2400 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	3.1	.6	.1	.0	.0	.0	3.9	1.5	N
NNE	2	2.2	.9	.9	.3	.0	.0	4.3	2.5	NNE
NE	3	3.3	.9	.1	.1	.0	.0	4.5	1.6	NE
ENE	4	3.7	.4	.4	.0	.0	.0	4.6	1.4	ENE
E	5	2.1	.3	.6	.3	.0	.0	3.3	2.3	E
ESE	6	1.9	.6	.1	.0	.0	.0	2.7	1.5	ESE
SE	7	5.1	.1	.1	.0	.0	.0	5.4	1.1	SE
SSE	8	3.6	1.0	.0	.0	.0	.0	4.6	1.2	SSE
S	9	2.7	.6	.1	.0	.0	.0	3.4	1.4	S
SSW	10	6.3	1.8	.6	.3	.3	2.4	11.6	4.1	SSW
SW	11	8.2	3.0	1.3	1.9	.4	.6	15.5	3.0	SW
WSW	12	6.4	.9	.7	1.0	.0	.0	9.1	2.1	WSW
W	13	4.5	1.3	.1	.0	.0	.0	6.0	1.4	W
WNW	14	2.8	.3	.0	.0	.0	.0	3.1	1.1	WNW
NW	15	3.1	1.0	.3	.0	.0	.0	4.5	1.6	NW
NNW	16	2.2	.9	.3	.0	.0	.0	3.4	1.8	NNW
CALM		10.3						10.3		
TOTAL		71.4	14.7	6.1	4.0	.7	3.0	100.0	2.0	

100.0% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995
0 - 2400 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)		
WIND DIR	SECTOR	1	2	3	4	5	6				
N	1	2.0	.7	1.5	.7	.0	.0	4.8	3.0	N	
NNE	2	3.0	1.1	2.3	1.7	.0	.0	8.1	3.5	NNE	
NE	3	1.9	.8	.7	1.3	.0	.0	4.7	3.4	NE	
ENE	4	1.3	1.1	.0	.0	.0	.0	2.4	1.6	ENE	
E	5	2.0	.3	.0	.0	.0	.0	2.3	1.3	E	
ESE	6	1.6	.9	.0	.0	.0	.0	2.6	1.5	ESE	
SE	7	2.0	.7	.1	.1	.0	.0	3.0	1.6	SE	
SSE	8	3.1	.5	.1	.4	.0	.0	4.2	1.9	SSE	
S	9	2.3	.7	.3	.8	.0	.0	4.0	2.6	S	
SSW	10	6.0	1.5	1.1	2.0	2.7	3.4	16.7	5.9	SSW	
SW	11	5.6	3.5	2.3	2.3	2.3	.8	16.8	4.3	SW	
WSW	12	4.6	2.4	1.3	.3	.0	.0	8.6	2.1	WSW	
W	13	3.2	1.7	.3	.0	.1	.0	5.4	1.9	W	
WNW	14	2.7	1.1	.0	.1	.0	.0	3.9	1.6	WNW	
NW	15	3.4	2.3	.1	.4	.0	.0	6.2	2.1	NW	
NNW	16	2.0	.8	.3	.3	.0	.0	3.4	2.0	NNW	
CALM		3.1						3.1			
TOTAL		49.9	20.0	10.3	10.5	5.1	4.2	100.0	3.2		

100.0% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995
0 - 2400 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	1.8	1.5	1.4	1.7	.4	.0	6.8	4.1	N
NNE	2	2.4	1.5	2.2	3.3	1.0	.3	10.7	4.8	NNE
NE	3	2.2	1.7	2.6	1.1	.1	.0	7.8	3.3	NE
ENE	4	1.4	1.3	1.1	.0	.0	.0	3.8	2.5	ENE
E	5	1.9	.8	.0	.0	.0	.0	2.8	1.4	E
ESE	6	1.0	.3	.0	.0	.0	.0	1.3	1.2	ESE
SE	7	1.8	.4	.0	.0	.0	.0	2.2	1.5	SE
SSE	8	1.5	1.1	.0	.0	.0	.0	2.6	1.5	SSE
S	9	2.1	1.4	.1	.0	.0	.0	3.6	1.8	S
SSW	10	2.2	2.4	2.1	1.9	.8	1.3	10.7	5.4	SSW
SW	11	3.9	2.8	4.7	6.7	2.5	.8	21.4	5.2	SW
WSW	12	3.5	1.5	2.4	.7	.0	.0	8.1	2.7	WSW
W	13	2.4	1.1	.6	.0	.0	.0	4.0	1.9	W
WNW	14	1.9	.8	.4	.0	.0	.0	3.2	1.8	WNW
NW	15	2.6	1.3	.4	.0	.0	.0	4.3	1.7	NW
NNW	16	2.4	.7	.1	.4	.4	.3	4.3	3.5	NNW
CALM		2.5						2.5		
TOTAL		37.5	20.6	18.2	15.8	5.3	2.6	100.0	3.6	

100.0% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995
0 - 2400 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.3	.4	.4	.1	.0	.0	3.2	1.9
NNE	2	1.5	1.1	.8	.3	.0	.0	3.6	2.7
NE	3	1.2	.9	.3	.4	.0	.0	2.8	2.8
ENE	4	2.4	1.5	.4	.1	.0	.0	4.4	1.9
E	5	2.4	.7	.0	.0	.0	.0	3.1	1.5
ESE	6	2.2	.1	.1	.0	.0	.0	2.4	1.4
SE	7	2.0	.7	.0	.0	.0	.0	2.7	1.3
SSE	8	1.7	.3	.0	.0	.0	.0	2.0	1.2
S	9	3.4	1.1	.0	.0	.0	.0	4.4	1.5
SSW	10	3.8	2.8	1.6	.9	.5	1.1	10.8	4.0
SW	11	5.2	4.6	7.3	5.8	1.3	1.3	25.5	4.5
WSW	12	4.6	1.9	3.6	2.4	.3	.0	12.8	3.5
W	13	2.2	1.2	1.7	.5	.0	.0	5.6	2.9
WNW	14	1.7	.9	.7	.1	.0	.0	3.5	2.3
NW	15	2.7	.8	1.1	.5	.0	.0	5.1	2.7
NNW	16	1.7	1.3	.9	.7	.0	.0	4.7	3.0
CALM		3.2						3.2	
TOTAL		44.2	20.3	19.0	12.0	2.2	2.4	100.0	3.1

100.0% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995
0 - 2400 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	2.2	.7	1.1	.7	.4	.6	5.7	4.2	N
NNE	2	1.7	2.5	1.9	1.0	.3	.3	7.6	3.8	NNE
NE	3	1.8	1.8	1.1	.3	.1	.0	5.1	2.8	NE
ENE	4	1.9	2.1	.7	.0	.0	.0	4.7	2.1	ENE
E	5	2.1	1.0	.4	.1	.0	.0	3.6	2.0	E
ESE	6	1.4	.6	.1	.0	.0	.0	2.1	1.5	ESE
SE	7	1.9	.4	.1	.4	.0	.0	2.9	2.1	SE
SSE	8	1.4	.6	.3	.1	.0	.0	2.4	2.1	SSE
S	9	3.1	1.1	.4	.0	.0	.0	4.6	1.6	S
SSW	10	4.6	3.1	1.3	2.6	1.9	1.8	15.3	5.0	SSW
SW	11	3.8	3.2	5.4	5.7	2.6	.8	21.5	5.1	SW
WSW	12	4.0	2.1	.3	1.7	.1	.0	8.2	2.8	WSW
W	13	1.8	.4	.8	.0	.0	.0	3.1	2.0	W
WNW	14	1.8	.7	.4	.1	.0	.0	3.1	2.3	WNW
NW	15	1.4	.8	.1	.1	.0	.0	2.5	2.0	NW
NNW	16	1.7	1.5	.6	.3	.0	.1	4.2	2.8	NNW
CALM		3.5						3.5		
TOTAL		40.0	22.5	15.1	13.2	5.6	3.6	100.0	3.4	

100.0% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995

0 - 2400 (PST)

		WIND SPEED CLASS							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.6	.6	.7	.4	.0	.0	4.3	2.5
NNE	2	2.5	1.2	.4	.1	.0	.0	4.3	1.9
NE	3	2.2	1.2	.3	.0	.0	.0	3.7	1.8
ENE	4	2.4	1.0	.0	.0	.0	.0	3.3	1.5
E	5	2.2	.7	.0	.1	.0	.0	3.1	1.6
ESE	6	1.9	.3	.0	.1	.0	.0	2.4	1.5
SE	7	2.1	.3	.1	.0	.0	.0	2.5	1.3
SSE	8	1.5	.4	.3	.0	.0	.0	2.2	1.7
S	9	3.1	.6	.6	.3	.0	.0	4.4	2.0
SSW	10	2.2	1.5	2.1	2.4	3.6	.1	11.9	5.7
SW	11	5.4	4.4	5.8	11.8	2.6	.0	30.1	4.9
WSW	12	5.4	2.9	1.4	1.0	.0	.0	10.7	2.4
W	13	2.5	.6	.0	.0	.0	.0	3.1	1.4
WNW	14	1.2	.6	.1	.1	.0	.0	2.1	2.0
NW	15	1.8	.4	.3	.8	.0	.0	3.3	3.1
NNW	16	3.3	.6	.0	.4	.0	.0	4.3	1.9
CALM		4.3						4.3	
TOTAL		46.7	17.2	12.1	17.6	6.2	.1	100.0	3.2

96.9% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995
0 - 2400 (PST)

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	4.3	.4	.0	.0	.0	.0	4.7	1.3	N
NNE	2	4.2	1.2	.0	.0	.0	.0	5.4	1.5	NNE
NE	3	2.6	2.2	.1	.0	.0	.0	4.9	1.7	NE
ENE	4	3.0	1.1	.0	.0	.0	.0	4.1	1.4	ENE
E	5	2.7	.7	.0	.0	.0	.0	3.4	1.3	E
ESE	6	1.5	.1	.1	.0	.0	.0	1.8	1.4	ESE
SE	7	.8	.7	.3	.0	.0	.0	1.8	2.2	SE
SSE	8	.8	.9	.1	.1	.0	.0	2.0	2.3	SSE
S	9	2.2	1.5	.5	.4	.0	.0	4.6	2.4	S
SSW	10	3.6	1.4	1.8	3.2	3.9	.0	13.9	5.5	SSW
SW	11	4.2	2.7	3.4	11.4	4.3	1.4	27.3	6.0	SW
WSW	12	3.6	2.0	2.0	.7	.1	.0	8.5	2.7	WSW
W	13	3.2	.9	.1	.0	.0	.0	4.3	1.4	W
WNW	14	2.3	.5	.0	.0	.0	.0	2.8	1.3	WNW
NW	15	2.8	.7	.0	.0	.0	.0	3.5	1.3	NW
NNW	16	2.3	1.1	.0	.0	.0	.0	3.4	1.5	NNW
CALM		3.6						3.6		
TOTAL		47.8	18.1	8.5	15.8	8.4	1.4	100.0	3.4	

99.5% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995
0 - 2400 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)		
WIND DIR	SECTOR	1	2	3	4	5	6				
N	1	3.8	1.0	.3	.0	.0	.0	5.2	1.5	N	
NNE	2	3.7	1.8	.5	1.3	.5	.0	7.8	3.2	NNE	
NE	3	3.5	1.0	.3	.0	.0	.0	4.8	1.5	NE	
ENE	4	4.3	1.3	.0	.0	.0	.0	5.7	1.4	ENE	
E	5	3.8	.5	.7	.0	.0	.0	5.0	1.5	E	
ESE	6	1.7	.3	.2	.0	.0	.0	2.2	1.5	ESE	
SE	7	1.3	.5	.7	.7	.0	.0	3.2	3.0	SE	
SSE	8	1.3	.3	.0	.0	.0	.0	1.7	1.3	SSE	
S	9	2.2	.5	.8	.0	.0	.0	3.5	2.0	S	
SSW	10	3.2	2.0	.8	.5	.3	.0	6.8	2.7	SSW	
SW	11	6.7	3.7	5.0	9.5	2.0	.3	27.1	4.7	SW	
WSW	12	5.5	1.2	1.3	.7	.0	.0	8.7	2.2	WSW	
W	13	3.7	.5	.2	.0	.0	.0	4.3	1.3	W	
WNW	14	1.3	.5	.0	.0	.0	.0	1.8	1.4	WNW	
NW	15	2.2	1.7	.3	.0	.0	.0	4.2	1.8	NW	
NNW	16	2.0	1.2	.0	.0	.0	.0	3.2	1.5	NNW	
CALM		5.0						5.0			
TOTAL		55.1	18.0	11.1	12.6	2.8	.3	100.0	2.6		

83.5% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995
0 - 2400 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	3.2	.6	.7	1.3	.1	.0	5.8	2.9	N
NNE	2	4.9	.7	.8	3.9	1.4	.3	11.9	4.5	NNE
NE	3	4.2	.7	.8	.4	.0	.0	6.1	2.0	NE
ENE	4	3.6	.8	.1	.0	.0	.0	4.6	1.4	ENE
E	5	3.3	2.1	.1	.0	.0	.0	5.6	1.5	E
ESE	6	3.1	.6	.0	.0	.0	.0	3.6	1.2	ESE
SE	7	1.8	.3	.0	.0	.0	.0	2.1	1.2	SE
SSE	8	4.3	.3	.1	.0	.0	.0	4.7	1.2	SSE
S	9	3.2	.7	.0	.0	.0	.0	3.9	1.2	S
SSW	10	3.9	2.5	.6	.3	.1	.0	7.4	2.2	SSW
SW	11	6.1	3.9	3.5	2.9	.3	.0	16.7	3.2	SW
WSW	12	3.9	1.5	1.1	.0	.0	.0	6.5	1.9	WSW
W	13	4.3	1.0	.1	.0	.0	.0	5.4	1.3	W
WNW	14	2.8	.7	.1	.0	.0	.0	3.6	1.4	WNW
NW	15	2.8	.4	.0	.0	.1	.0	3.3	1.6	NW
NNW	16	2.2	.8	.0	.3	.1	.0	3.5	2.2	NNW
CALM		5.3						5.3		
TOTAL		62.8	17.5	8.2	9.0	2.2	.3	100.0	2.2	

96.8% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995

0 - 2400 (PST)

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	3.9	.7	.9	1.3	.0	.0	6.8	2.8	N
NNE	2	3.9	2.4	1.7	.7	.0	.0	8.7	2.6	NNE
NE	3	3.7	1.1	.2	.0	.0	.0	5.0	1.5	NE
ENE	4	6.6	.9	.0	.0	.0	.0	7.4	1.2	ENE
E	5	3.7	.7	.0	.0	.0	.0	4.4	1.2	E
ESE	6	1.7	.2	.0	.0	.0	.0	2.0	1.1	ESE
SE	7	3.9	.4	.0	.0	.0	.0	4.4	1.2	SE
SSE	8	2.4	.4	.0	.0	.0	.0	2.8	1.1	SSE
S	9	3.9	1.1	.2	.0	.0	.0	5.2	1.5	S
SSW	10	3.5	1.5	.4	.0	.0	.0	5.5	1.8	SSW
SW	11	6.8	4.4	2.4	2.2	.0	.0	15.7	2.7	SW
WSW	12	6.1	1.1	.7	.2	.0	.0	8.1	1.7	WSW
W	13	4.1	1.3	.2	.0	.0	.0	5.7	1.4	W
WNW	14	2.6	.4	.0	.0	.0	.0	3.1	1.2	WNW
NW	15	2.4	.7	.0	.0	.0	.0	3.1	1.2	NW
NNW	16	2.6	1.7	.7	1.1	.0	.2	6.3	3.2	NNW
CALM		5.9						5.9		
TOTAL		67.9	19.0	7.4	5.5	.0	.2	100.0	1.8	

63.6% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995
0 - 2400 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.0	1.4	.8	.6	.8	.0	7.5	2.9
NNE	2	5.8	1.2	1.8	2.8	1.6	.0	13.1	4.0
NE	3	4.0	.8	1.2	.2	.0	.0	6.2	2.0
ENE	4	4.4	1.8	.4	.0	.0	.0	6.5	1.4
E	5	5.4	.6	.0	.0	.0	.0	6.0	1.3
ESE	6	3.4	.6	.0	.0	.0	.0	4.0	1.2
SE	7	2.0	.4	.0	.0	.0	.0	2.4	1.4
SSE	8	2.8	.4	.0	.0	.0	.0	3.2	1.3
S	9	3.8	.4	.0	.0	.0	.0	4.2	1.2
SSW	10	3.2	1.0	.6	.8	1.4	1.4	8.3	5.5
SW	11	3.4	2.8	1.0	1.4	.4	.4	9.3	3.7
WSW	12	4.2	1.8	.6	.4	.0	.0	6.9	2.0
W	13	3.8	.6	.4	.0	.0	.0	4.8	1.6
WNW	14	3.0	1.6	.0	.4	.2	.0	5.2	2.3
NW	15	3.2	1.8	.2	.0	.4	.0	5.6	2.4
NNW	16	3.4	.4	.2	.4	.0	.0	4.4	1.8
CALM		2.6						2.6	
TOTAL		61.9	17.5	7.1	6.9	4.8	1.8	100.0	2.6

67.7% DATA RECOVERED
100.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

1/ 1/1995 - 1/31/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	6.5	.6	.0	.0	.0	.0	7.1	1.4
NNE	2	3.2	1.3	1.3	.0	.0	.0	5.8	2.1
NE	3	3.2	1.3	1.3	.0	.0	.0	5.8	2.2
ENE	4	5.2	1.3	.0	.0	.0	.0	6.5	1.4
E	5	4.5	1.3	.0	.0	.0	.0	5.8	1.5
ESE	6	1.9	.6	.6	.0	.0	.0	3.2	1.9
SE	7	1.9	.0	.6	1.9	.0	.0	4.5	3.5
SSE	8	5.2	.6	.0	.0	.0	.0	5.8	1.1
S	9	4.5	1.3	.0	.0	.0	.0	5.8	1.4
SSW	10	4.5	.6	.0	.0	.0	.0	5.2	1.2
SW	11	5.8	1.3	.6	3.2	.0	.0	11.0	3.1
WSW	12	7.1	1.9	.0	1.3	.0	.0	10.3	1.9
W	13	3.2	.0	.0	.0	.0	.0	3.2	1.2
WNW	14	3.2	.6	.0	.0	.0	.0	3.9	1.2
NW	15	2.6	5.2	.0	.0	.0	.0	7.7	2.0
NNW	16	1.3	2.6	.0	.0	.0	.0	3.9	1.9
CALM		4.5						4.5	
TOTAL		68.4	20.6	4.5	6.5	.0	.0	100.0	1.8

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

2/ 1/1995 - 2/28/1995
600 - 1000 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.9	.0	.7	.0	.0	.0	3.6	1.7
NNE	2	2.1	.0	.0	.0	.0	.0	2.1	1.0
NE	3	5.7	.0	.0	.0	.0	.0	5.7	.8
ENE	4	7.1	.0	.0	.0	.0	.0	7.1	.9
E	5	3.6	.0	.0	.0	.0	.0	3.6	1.0
ESE	6	2.1	.7	.0	.0	.0	.0	2.9	1.3
SE	7	5.7	.0	.0	.0	.0	.0	5.7	.7
SSE	8	4.3	.0	.0	.0	.0	.0	4.3	1.1
S	9	2.1	.0	.0	.0	.0	.0	2.1	1.0
SSW	10	10.0	.0	.0	.0	.0	2.1	12.1	3.1
SW	11	10.0	1.4	.0	.0	.0	1.4	12.9	2.3
WSW	12	5.0	.7	.0	3.6	.0	.0	9.3	3.3
W	13	2.9	.0	.0	.0	.0	.0	2.9	.7
WNW	14	2.1	.0	.0	.0	.0	.0	2.1	1.0
NW	15	2.1	.0	.0	.0	.0	.0	2.1	1.0
NNW	16	1.4	.7	.0	.0	.0	.0	2.1	1.6
CALM		19.3						19.3	
TOTAL		88.6	3.6	.7	3.6	.0	3.6	100.0	1.5

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

3/ 1/1995 - 3/31/1995
600 - 1000 (PST)

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.6	.0	.0	.0	.0	.0	.6	.6	N
NNE	2	3.2	1.3	3.9	5.8	.0	.0	14.2	4.5	NNE
NE	3	1.9	.0	.6	1.3	.0	.0	3.9	3.4	NE
ENE	4	3.2	.6	.0	.0	.0	.0	3.9	1.2	ENE
E	5	4.5	.0	.0	.0	.0	.0	4.5	1.1	E
ESE	6	2.6	1.3	.0	.0	.0	.0	3.9	1.4	ESE
SE	7	2.6	1.3	.0	.0	.0	.0	3.9	1.2	SE
SSE	8	6.5	.0	.0	.0	.0	.0	6.5	1.2	SSE
S	9	3.2	.6	.0	.0	.0	.0	3.9	1.3	S
SSW	10	6.5	1.3	1.3	1.9	1.9	2.6	15.5	5.3	SSW
SW	11	8.4	.6	.6	1.3	1.9	.0	12.9	3.1	SW
WSW	12	4.5	.6	.0	.0	.0	.0	5.2	1.4	WSW
W	13	3.9	.6	.0	.0	.0	.0	4.5	1.2	W
WNW	14	1.3	.0	.0	.0	.0	.0	1.3	.8	WNW
NW	15	2.6	.6	.6	.0	.0	.0	3.9	1.9	NW
NNW	16	3.2	.6	.0	.0	.0	.0	3.9	1.2	NNW
CALM		7.7						7.7		
TOTAL		66.5	9.7	7.1	10.3	3.9	2.6	100.0	2.6	

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

4/ 1/1995 - 4/30/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.3	.0	1.3	.0	.7	.0	3.3	4.2
NNE	2	2.7	1.3	4.0	2.7	.7	.0	11.3	4.3
NE	3	3.3	2.7	4.7	1.3	.0	.0	12.0	3.2
ENE	4	2.7	2.0	1.3	.0	.0	.0	6.0	2.2
E	5	4.0	.0	.0	.0	.0	.0	4.0	.8
ESE	6	2.0	.7	.0	.0	.0	.0	2.7	1.2
SE	7	5.3	.7	.0	.0	.0	.0	6.0	1.4
SSE	8	2.7	.7	.0	.0	.0	.0	3.3	1.4
S	9	4.0	1.3	.0	.0	.0	.0	5.3	1.4
SSW	10	3.3	2.0	.7	.0	.7	1.3	8.0	4.6
SW	11	.0	.7	3.3	2.0	2.0	.7	8.7	6.3
WSW	12	2.7	.0	4.7	2.0	.0	.0	9.3	3.9
W	13	2.7	.0	.7	.0	.0	.0	3.3	1.4
WNW	14	1.3	.0	.0	.0	.0	.0	1.3	.7
NW	15	.7	.7	.0	.0	.0	.0	1.3	1.3
NNW	16	1.3	1.3	.0	.7	2.0	.0	5.3	5.5
CALM		8.7						8.7	

TOTAL		48.7	14.0	20.7	8.7	6.0	2.0	100.0	3.1

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

5/ 1/1995 - 5/31/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.3	.0	.0	.6	.0	.0	1.9	2.6
NNE	2	1.3	.0	.0	.0	.0	.0	1.3	1.4
NE	3	1.3	.6	.0	.0	.0	.0	1.9	1.5
ENE	4	5.8	.6	.0	.0	.0	.0	6.5	1.2
E	5	7.7	.0	.0	.0	.0	.0	7.7	1.0
ESE	6	7.7	.0	.0	.0	.0	.0	7.7	1.0
SE	7	4.5	.0	.0	.0	.0	.0	4.5	1.0
SSE	8	7.1	.0	.0	.0	.0	.0	7.1	1.0
S	9	8.4	1.3	.0	.0	.0	.0	9.7	1.3
SSW	10	5.8	1.3	3.2	.6	.0	.0	11.0	2.7
SW	11	3.2	3.2	4.5	3.2	1.3	.0	15.5	4.1
WSW	12	1.3	.0	1.9	1.9	.6	.0	5.8	5.1
W	13	.6	.0	1.3	.0	.0	.0	1.9	3.1
WNW	14	.6	.0	.0	.0	.0	.0	.6	1.6
NW	15	1.9	1.3	.6	.0	.0	.0	3.9	2.3
NNW	16	.0	.6	1.3	.6	.0	.0	2.6	4.5
CALM		10.3						10.3	
TOTAL		69.0	9.0	12.9	7.1	1.9	.0	100.0	2.1

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

6/ 1/1995 - 6/30/1995
600 - 1000 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.7	.0	.0	.0	.0	.0	.7	.7
NNE	2	2.7	.7	1.3	.0	.0	.0	4.7	2.3
NE	3	3.3	.7	.0	.0	.0	.0	4.0	1.1
ENE	4	4.7	4.0	1.3	.0	.0	.0	10.0	1.9
E	5	6.0	2.7	.7	.0	.0	.0	9.3	1.6
ESE	6	2.7	.7	.0	.0	.0	.0	3.3	1.4
SE	7	8.0	.7	.0	.0	.0	.0	8.7	1.1
SSE	8	2.0	.7	.7	.7	.0	.0	4.0	2.5
S	9	8.7	.7	.0	.0	.0	.0	9.3	1.1
SSW	10	6.0	3.3	.0	.7	2.7	.7	13.3	3.9
SW	11	3.3	.0	3.3	2.0	2.0	1.3	12.0	5.5
WSW	12	2.0	.7	.0	.0	.7	.0	3.3	2.7
W	13	2.0	.0	.0	.0	.0	.0	2.0	1.0
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0
NW	15	.7	.7	.0	.0	.0	.0	1.3	1.9
NNW	16	1.3	1.3	.7	.0	.0	.0	3.3	2.2
CALM		10.7						10.7	
TOTAL		64.7	16.7	8.0	3.3	5.3	2.0	100.0	2.2

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

7/ 1/1995 - 7/31/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	.0	.0	.0	.0	.0	.0	.0
NNE	2	2.0	.7	.7	.7	.0	.0	4.0	2.6
NE	3	4.0	.0	.0	.0	.0	.0	4.0	.9
ENE	4	6.7	1.3	.0	.0	.0	.0	8.0	1.3
E	5	5.3	1.3	.0	.0	.0	.0	6.7	1.3
ESE	6	6.0	.0	.0	.0	.0	.0	6.0	1.0
SE	7	8.0	.0	.7	.0	.0	.0	8.7	1.2
SSE	8	1.3	1.3	.0	.0	.0	.0	2.7	1.7
S	9	6.0	.0	.7	.0	.0	.0	6.7	1.5
SSW	10	4.7	2.7	1.3	2.0	4.7	.0	15.3	4.8
SW	11	4.7	1.3	1.3	2.7	.7	.0	10.7	3.6
WSW	12	5.3	.7	.0	.0	.0	.0	6.0	1.2
W	13	.0	.7	.0	.0	.0	.0	.7	2.0
WNW	14	.0	.7	.0	.0	.0	.0	.7	2.0
NW	15	.7	.0	.7	.0	.0	.0	1.3	2.8
NNW	16	.7	.7	.0	.0	.0	.0	1.3	1.3
CALM		17.3						17.3	

TOTAL		72.7	11.3	5.3	5.3	5.3	.0	100.0	1.9

96.9% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

8/ 1/1995 - 8/31/1995
600 - 1000 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.5	.0	.0	.0	.0	.0	4.5	1.2
NNE	2	4.5	.0	.0	.0	.0	.0	4.5	1.0
NE	3	5.2	.0	.0	.0	.0	.0	5.2	1.1
ENE	4	4.5	1.3	.0	.0	.0	.0	5.8	1.3
E	5	9.1	1.3	.0	.0	.0	.0	10.4	1.3
ESE	6	3.9	.0	.0	.0	.0	.0	3.9	1.1
SE	7	1.9	1.9	.0	.0	.0	.0	3.9	1.8
SSE	8	1.3	.6	.0	.0	.0	.0	1.9	1.1
S	9	4.5	.6	.0	.0	.0	.0	5.2	1.2
SSW	10	6.5	.0	1.9	4.5	4.5	.0	17.5	5.2
SW	11	1.3	.6	.6	4.5	2.6	.6	10.4	7.1
WSW	12	2.6	1.3	.6	.0	.0	.0	4.5	1.5
W	13	1.9	.0	.0	.0	.0	.0	1.9	1.2
WNW	14	1.9	.0	.0	.0	.0	.0	1.9	1.0
NW	15	1.9	.0	.0	.0	.0	.0	1.9	.8
NNW	16	1.3	.0	.0	.0	.0	.0	1.3	1.0
CALM		14.9						14.9	
TOTAL		72.1	7.8	3.2	9.1	7.1	.6	100.0	2.3

99.5% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

9/ 1/1995 - 9/30/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.6	.0	.0	.0	.0	.0	1.6	.6 N
NNE	2	6.4	.0	.0	1.6	2.4	.0	10.4	3.7 NNE
NE	3	8.0	.0	.0	.0	.0	.0	8.0	.8 NE
ENE	4	5.6	.8	.0	.0	.0	.0	6.4	1.2 ENE
E	5	9.6	.0	.0	.0	.0	.0	9.6	.8 E
ESE	6	5.6	.0	.0	.0	.0	.0	5.6	.9 ESE
SE	7	2.4	.0	.0	.0	.0	.0	2.4	.8 SE
SSE	8	1.6	.8	.0	.0	.0	.0	2.4	1.4 SSE
S	9	3.2	.0	.0	.0	.0	.0	3.2	.9 S
SSW	10	5.6	.8	.0	.0	.0	.0	6.4	1.3 SSW
SW	11	6.4	.8	1.6	4.0	.8	.0	13.6	3.6 SW
WSW	12	5.6	.0	.0	.0	.0	.0	5.6	.7 WSW
W	13	.8	.0	.0	.0	.0	.0	.8	.5 W
WNW	14	1.6	.0	.0	.0	.0	.0	1.6	.8 WNW
NW	15	.8	.0	.0	.0	.0	.0	.8	.7 NW
NNW	16	1.6	.8	.0	.0	.0	.0	2.4	1.3 NNW
CALM		19.2						19.2	
TOTAL		85.6	4.0	1.6	5.6	3.2	.0	100.0	1.4

83.5% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

10/ 1/1995 - 10/31/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.7	.0	.0	.7	.7	.0	4.0	3.1
NNE	2	6.0	.0	.7	6.0	4.0	.7	17.3	5.5
NE	3	8.0	.0	1.3	.0	.0	.0	9.3	1.4
ENE	4	6.0	.0	.7	.0	.0	.0	6.7	1.2
E	5	7.3	1.3	.0	.0	.0	.0	8.7	1.1
ESE	6	4.0	.0	.0	.0	.0	.0	4.0	.9
SE	7	2.7	.0	.0	.0	.0	.0	2.7	1.0
SSE	8	3.3	.7	.0	.0	.0	.0	4.0	1.1
S	9	6.0	.0	.0	.0	.0	.0	6.0	.9
SSW	10	2.7	1.3	.0	.0	.0	.0	4.0	1.5
SW	11	6.7	.0	.0	.0	.0	.0	6.7	.9
WSW	12	2.7	.7	.0	.0	.0	.0	3.3	1.3
W	13	4.7	.7	.7	.0	.0	.0	6.0	1.2
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0
NW	15	1.3	.0	.0	.0	.0	.0	1.3	.8
NNW	16	.7	.0	.0	.0	.0	.0	.7	1.2
CALM		15.3						15.3	

TOTAL		80.0	4.7	3.3	6.7	4.7	.7	100.0	1.8

96.8% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

11/ 1/1995 - 11/30/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.2	1.1	.0	1.1	.0	.0	6.3	2.3
NNE	2	5.3	.0	1.1	3.2	.0	.0	9.5	3.5
NE	3	5.3	.0	.0	.0	.0	.0	5.3	.8
ENE	4	7.4	2.1	.0	.0	.0	.0	9.5	1.2
E	5	6.3	.0	.0	.0	.0	.0	6.3	.7
ESE	6	3.2	.0	.0	.0	.0	.0	3.2	.9
SE	7	5.3	.0	.0	.0	.0	.0	5.3	.9
SSE	8	4.2	.0	.0	.0	.0	.0	4.2	.8
S	9	5.3	.0	.0	.0	.0	.0	5.3	1.2
SSW	10	5.3	.0	.0	.0	.0	.0	5.3	1.0
SW	11	4.2	1.1	1.1	.0	.0	.0	6.3	1.7
WSW	12	8.4	.0	.0	.0	.0	.0	8.4	1.0
W	13	2.1	1.1	.0	.0	.0	.0	3.2	1.2
WNW	14	2.1	1.1	.0	.0	.0	.0	3.2	1.4
NW	15	2.1	.0	.0	.0	.0	.0	2.1	1.1
NNW	16	2.1	1.1	2.1	1.1	.0	1.1	7.4	4.6
CALM		9.5						9.5	
TOTAL		82.1	7.4	4.2	5.3	.0	1.1	100.0	1.5

63.6% DATA RECOVERED
20.7% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition

12/ 1/1995 - 12/31/1995
600 - 1000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	5.7	1.0	1.0	.0	.0	.0	7.6	1.3
NNE	2	7.6	1.0	.0	3.8	2.9	.0	15.2	4.3
NE	3	4.8	1.0	1.0	.0	.0	.0	6.7	1.7
ENE	4	6.7	.0	.0	.0	.0	.0	6.7	1.1
E	5	8.6	1.0	.0	.0	.0	.0	9.5	1.4
ESE	6	5.7	.0	.0	.0	.0	.0	5.7	1.1
SE	7	2.9	.0	.0	.0	.0	.0	2.9	1.5
SSE	8	1.9	.0	.0	.0	.0	.0	1.9	1.5
S	9	3.8	.0	.0	.0	.0	.0	3.8	1.0
SSW	10	4.8	1.0	.0	.0	2.9	1.0	9.5	4.9
SW	11	2.9	1.0	.0	1.9	1.0	.0	6.7	4.2
WSW	12	2.9	1.9	.0	.0	.0	.0	4.8	1.6
W	13	1.9	.0	.0	.0	.0	.0	1.9	.8
WNW	14	3.8	1.0	.0	1.0	1.0	.0	6.7	3.3
NW	15	4.8	.0	.0	.0	.0	.0	4.8	1.1
NNW	16	3.8	1.0	.0	.0	.0	.0	4.8	1.4
CALM		1.0						1.0	
TOTAL		73.3	9.5	1.9	6.7	7.6	1.0	100.0	2.4

67.7% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

1/ 1/1995 - 1/31/1995
1000 - 1600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	2.3	1.4	.0	.0	.0	.0	3.7	1.5
NNE	2	3.2	.5	1.4	.0	.0	.0	5.1	2.2
NE	3	2.8	1.8	.5	.0	.0	.0	5.1	1.9
ENE	4	1.8	.9	.0	.0	.0	.0	2.8	1.4
E	5	5.5	2.8	.5	.0	.0	.0	8.8	1.7
ESE	6	3.7	1.8	1.8	.0	.0	.0	7.4	2.0
SE	7	5.1	.9	3.2	.9	.0	.0	10.1	2.6
SSE	8	5.5	1.8	.5	.0	.0	.0	7.8	1.5
S	9	3.2	.5	.5	.0	.0	.0	4.1	1.6
SSW	10	2.3	.5	.0	.0	.0	.0	2.8	1.2
SW	11	3.7	.9	.5	6.5	.0	.0	11.5	4.8
WSW	12	1.4	.0	1.4	.5	.0	.0	3.2	3.4
W	13	2.3	.0	.9	.5	.0	.0	3.7	2.6
WNW	14	1.4	.5	.0	.0	.0	.0	1.8	1.8
NW	15	1.4	1.4	1.8	.0	.0	.0	4.6	2.8
NNW	16	.5	1.8	.5	.5	.0	.0	3.2	3.3
CALM		14.3						14.3	
<hr/>									
TOTAL		60.4	17.5	13.4	8.8	.0	.0	100.0	2.1

100.0% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

2/ 1/1995 - 2/28/1995
1000 - 1600 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.5	.0	.0	.0	.0	.0	.5	1.0	N
NNE	2	2.0	.5	.0	.5	.0	.0	3.1	2.4	NNE
NE	3	2.0	.5	.0	.0	.0	.0	2.6	1.6	NE
ENE	4	4.6	.0	1.5	.0	.0	.0	6.1	1.8	ENE
E	5	1.5	.5	1.0	1.0	.0	.0	4.1	3.5	E
ESE	6	4.1	1.5	.5	.0	.0	.0	6.1	1.5	ESE
SE	7	6.6	.0	.0	.0	.0	.0	6.6	1.0	SE
SSE	8	7.1	1.5	.0	.0	.0	.0	8.7	1.1	SSE
S	9	6.1	2.0	.0	.0	.0	.0	8.2	1.3	S
SSW	10	6.6	2.6	1.5	.0	.5	1.0	12.2	3.0	SSW
SW	11	2.6	1.0	4.1	6.6	1.5	1.5	17.3	5.9	SW
WSW	12	2.0	.0	2.0	1.0	.0	.0	5.1	3.7	WSW
W	13	.5	.5	.0	.0	.0	.0	1.0	1.8	W
WNW	14	2.0	.0	.0	.0	.0	.0	2.0	.8	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.5	.0	.0	.0	.0	.0	.5	.7	NNW
CALM		15.8						15.8		

TOTAL		64.8	10.7	10.7	9.2	2.0	2.6	100.0	2.3	

100.0% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

3/ 1/1995 - 3/31/1995
1000 - 1600 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.9	.5	2.8	1.4	.0	.0	5.5	4.0 N
NNE	2	4.1	1.4	2.8	2.3	.0	.0	10.6	3.3 NNE
NE	3	.9	1.4	1.4	1.8	.0	.0	5.5	3.9 NE
ENE	4	2.3	.5	.0	.0	.0	.0	2.8	1.3 ENE
E	5	1.8	.5	.0	.0	.0	.0	2.3	1.3 E
ESE	6	1.4	.9	.0	.0	.0	.0	2.3	1.5 ESE
SE	7	2.8	.9	.5	.0	.0	.0	4.1	1.6 SE
SSE	8	5.1	.5	.5	.0	.0	.0	6.0	1.4 SSE
S	9	1.8	.9	.0	.9	.0	.0	3.7	2.6 S
SSW	10	4.1	.5	.9	1.8	7.8	3.2	18.4	7.6 SSW
SW	11	1.8	2.3	2.3	6.0	5.1	2.3	19.8	6.8 SW
WSW	12	.5	.5	2.3	.5	.0	.0	3.7	3.9 WSW
W	13	.5	.5	.9	.0	.0	.0	1.8	2.9 W
WNW	14	1.8	.9	.0	.5	.0	.0	3.2	2.1 WNW
NW	15	2.3	.5	.0	.9	.0	.0	3.7	2.6 NW
NNW	16	.5	.0	.9	.5	.0	.0	1.8	4.1 NNW
CALM		4.6						4.6	
TOTAL		37.3	12.4	15.2	16.6	12.9	5.5	100.0	4.3

100.0% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPIII TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

4/ 1/1995 - 4/30/1995
1000 - 1600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	.5	2.9	3.3	.0	.0	6.7	5.8
NNE	2	1.9	1.9	4.3	5.7	1.0	1.0	15.7	5.5
NE	3	1.4	1.4	2.4	1.0	.0	.0	6.2	3.6
ENE	4	.0	1.0	1.4	.0	.0	.0	2.4	3.3
E	5	1.4	.0	.0	.0	.0	.0	1.4	1.2
ESE	6	1.0	.0	.0	.0	.0	.0	1.0	1.4
SE	7	1.0	.0	.0	.0	.0	.0	1.0	1.0
SSE	8	1.0	1.0	.0	.0	.0	.0	1.9	1.7
S	9	2.4	1.4	.0	.0	.0	.0	3.8	1.5
SSW	10	.5	3.8	3.3	2.4	1.4	2.9	14.3	6.6
SW	11	1.0	1.4	10.5	15.7	4.8	1.9	35.2	6.5
WSW	12	.0	1.0	1.0	1.4	.0	.0	3.3	4.5
W	13	.5	.0	.5	.0	.0	.0	1.0	2.5
WNW	14	1.0	.5	.5	.0	.0	.0	1.9	2.0
NW	15	.5	1.0	.5	.0	.0	.0	1.9	2.4
NNW	16	.5	.0	.5	.0	.5	.0	1.4	4.5
CALM		1.0						1.0	
TOTAL		14.8	14.8	27.6	29.5	7.6	5.7	100.0	5.2

100.0% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES	
(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

5/ 1/1995 - 5/31/1995
1000 - 1600 (PST)

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.5	.9	.9	.0	.0	.0	2.3	3.0	N
NNE	2	.5	.5	1.4	.5	.0	.0	2.8	3.4	NNE
NE	3	.0	1.4	.5	.0	.0	.0	1.8	3.6	NE
ENE	4	1.4	2.8	.9	.5	.0	.0	5.5	2.6	ENE
E	5	.5	1.4	.0	.0	.0	.0	1.8	2.3	E
ESE	6	1.8	.5	.5	.0	.0	.0	2.8	2.0	ESE
SE	7	.0	1.8	.0	.0	.0	.0	1.8	2.6	SE
SSE	8	.5	.9	.0	.0	.0	.0	1.4	2.0	SSE
S	9	1.4	2.8	.0	.0	.0	.0	4.1	2.1	S
SSW	10	.0	3.2	3.2	1.4	.9	2.8	11.5	6.3	SSW
SW	11	.9	2.8	14.7	11.1	3.2	3.7	36.4	6.0	SW
WSW	12	.9	.9	4.6	3.2	.9	.0	10.6	5.1	WSW
W	13	.5	.9	2.8	1.4	.0	.0	5.5	4.2	W
WNW	14	.0	.9	1.8	.5	.0	.0	3.2	3.9	WNW
NW	15	.0	.9	2.3	1.4	.0	.0	4.6	4.9	NW
NNW	16	.0	1.4	1.4	.9	.0	.0	3.7	4.0	NNW
CALM		.0						.0		
TOTAL		8.8	24.0	35.0	20.7	5.1	6.5	100.0	4.8	

100.0% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

6/ 1/1995 - 6/30/1995
1000 - 1600 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.5	.0	.5	.0	.0	.0	1.0	2.1
NNE	2	1.0	2.4	1.4	.5	.0	.5	5.7	3.9
NE	3	1.0	1.9	2.4	.0	.5	.0	5.7	3.7
ENE	4	.0	3.3	.5	.0	.0	.0	3.8	2.6
E	5	.0	1.4	.0	.0	.0	.0	1.4	2.5
ESE	6	.5	1.0	.0	.0	.0	.0	1.4	1.9
SE	7	1.0	1.4	.5	1.4	.0	.0	4.3	3.6
SSE	8	1.4	1.9	.5	.0	.0	.0	3.8	2.4
S	9	.5	2.4	1.0	.0	.0	.0	3.8	2.6
SSW	10	1.0	2.4	1.0	3.3	3.8	6.2	17.6	8.2
SW	11	.5	1.4	10.5	12.9	6.2	2.4	33.8	6.5
WSW	12	.5	2.4	.0	5.2	.0	.0	8.1	5.2
W	13	1.0	.5	1.9	.0	.0	.0	3.3	3.0
WNW	14	.5	1.0	.5	.5	.0	.0	2.4	3.6
NW	15	.0	1.0	.5	.5	.0	.0	1.9	3.9
NNW	16	.0	1.4	.5	.0	.0	.0	1.9	2.7
CALM		.0						.0	
TOTAL		9.0	25.7	21.4	24.3	10.5	9.0	100.0	5.4

100.0% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

7/ 1/1995 - 7/31/1995
1000 - 1600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	.0	.0	.0	.0	.0	.0	.0
NNE	2	1.0	1.0	.0	.0	.0	.0	1.9	1.9
NE	3	1.0	.0	.5	.0	.0	.0	1.4	2.3
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0
E	5	1.0	.5	.0	.5	.0	.0	1.9	2.9
ESE	6	.0	1.0	.0	.5	.0	.0	1.4	3.5
SE	7	.5	.5	.0	.0	.0	.0	1.0	1.8
SSE	8	1.0	1.4	1.0	.0	.0	.0	3.3	2.6
S	9	2.9	.5	.5	.5	.0	.0	4.3	2.5
SSW	10	.5	1.4	4.3	4.3	10.0	.5	21.0	7.5
SW	11	1.4	2.4	11.4	26.2	8.1	.0	49.5	6.3
WSW	12	1.0	1.9	2.9	2.9	.0	.0	8.6	4.3
W	13	.5	1.4	.0	.0	.0	.0	1.9	2.1
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0
NW	15	.0	.0	.5	2.9	.0	.0	3.3	6.8
NNW	16	.5	.0	.0	.0	.0	.0	.5	1.2
CALM		.0						.0	
TOTAL		11.0	11.9	21.0	37.6	18.1	.5	100.0	5.7

96.9% DATA RECOVERED
29.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM WS <= .5
1 .5< WS <= 1.8
2 1.8< WS <= 3.3
3 3.3< WS <= 5.4
4 5.4< WS <= 8.5
5 8.5< WS <=10.8
6 10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

8/ 1/1995 - 8/31/1995
1000 - 1600 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.5	.0	.0	.0	.0	.0	.5	1.3	N
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0	NNE
NE	3	.9	.0	.0	.0	.0	.0	.9	.9	NE
ENE	4	.9	.5	.0	.0	.0	.0	1.4	1.8	ENE
E	5	.5	.0	.0	.0	.0	.0	.5	1.3	E
ESE	6	.5	.5	.0	.0	.0	.0	.9	2.1	ESE
SE	7	1.9	.9	.5	.0	.0	.0	3.3	2.0	SE
SSE	8	.5	2.8	.0	.5	.0	.0	3.8	2.8	SSE
S	9	.5	2.3	.5	.9	.0	.0	4.2	3.3	S
SSW	10	2.3	.9	2.3	6.6	10.8	.0	23.0	7.3	SSW
SW	11	.5	.5	3.8	27.7	13.6	3.8	49.8	7.9	SW
WSW	12	.0	1.9	2.3	1.9	.5	.0	6.6	4.8	WSW
W	13	.9	.9	.0	.0	.0	.0	1.9	2.0	W
WNW	14	.5	.0	.0	.0	.0	.0	.5	.8	WNW
NW	15	.5	.9	.0	.0	.0	.0	1.4	1.8	NW
NNW	16	.5	.9	.0	.0	.0	.0	1.4	1.9	NNW
CALM		.0						.0		
TOTAL		11.3	13.1	9.4	37.6	24.9	3.8	100.0	6.4	

99.5% DATA RECOVERED
28.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

9/ 1/1995 - 9/30/1995
1000 - 1600 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.6	1.1	1.1	.0	.0	.0	2.9	3.0
NNE	2	.0	.6	.6	1.1	.0	.0	2.3	5.2
NE	3	2.3	.6	.6	.0	.0	.0	3.4	2.2
ENE	4	2.3	.6	.0	.0	.0	.0	2.9	1.6
E	5	2.9	1.7	1.7	.0	.0	.0	6.3	2.3
ESE	6	1.7	1.1	.0	.0	.0	.0	2.9	1.7
SE	7	.0	.0	1.7	.6	.0	.0	2.3	5.0
SSE	8	1.1	.6	.0	.0	.0	.0	1.7	1.7
S	9	1.1	1.1	2.3	.0	.0	.0	4.6	3.1
SSW	10	.6	2.9	1.7	.6	1.1	.0	6.9	4.4
SW	11	4.6	1.7	10.3	26.3	6.9	1.1	50.9	6.2
WSW	12	1.1	1.1	1.7	2.3	.0	.0	6.3	4.2
W	13	.6	.6	.0	.0	.0	.0	1.1	1.8
WNW	14	.6	1.7	.0	.0	.0	.0	2.3	2.0
NW	15	.6	.0	.0	.0	.0	.0	.6	1.6
NNW	16	1.1	.6	.0	.0	.0	.0	1.7	1.4
CALM		1.1						1.1	
TOTAL		22.3	16.0	21.7	30.9	8.0	1.1	100.0	4.6

83.5% DATA RECOVERED
29.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES	
(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

10/ 1/1995 - 10/31/1995
1000 - 1600 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	1.0	.0	.0	1.4	.0	.0	2.4	4.8	N
NNE	2	1.9	.5	.5	4.8	1.0	.0	8.6	5.7	NNE
NE	3	2.9	1.0	.5	.0	.0	.0	4.3	1.7	NE
ENE	4	5.7	1.4	.5	.0	.0	.0	7.6	1.5	ENE
E	5	3.3	4.3	.5	.0	.0	.0	8.1	2.0	E
ESE	6	3.3	1.9	.0	.0	.0	.0	5.2	1.4	ESE
SE	7	1.9	.0	.0	.0	.0	.0	1.9	1.2	SE
SSE	8	5.7	.5	.5	.0	.0	.0	6.7	1.3	SSE
S	9	3.3	.0	.0	.0	.0	.0	3.3	1.0	S
SSW	10	3.3	3.8	1.0	1.0	.5	.0	9.5	3.0	SSW
SW	11	3.3	2.9	10.5	10.0	1.0	.0	27.6	4.9	SW
WSW	12	.5	.5	3.3	.0	.0	.0	4.3	3.8	WSW
W	13	1.0	1.0	.0	.0	.0	.0	1.9	1.4	W
WNW	14	.5	.0	.0	.0	.0	.0	.5	.9	WNW
NW	15	.5	.0	.0	.0	.0	.0	.5	.6	NW
NNW	16	1.9	.0	.0	.0	.0	.0	1.9	1.0	NNW
CALM		5.7						5.7		
TOTAL		45.7	17.6	17.1	17.1	2.4	.0	100.0	3.0	

96.8% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

11/ 1/1995 - 11/30/1995
1000 - 1600 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.8	.8	2.3	3.0	.0	.0	6.8	4.8 N
NNE	2	1.5	1.5	3.8	.8	.0	.0	7.5	3.7 NNE
NE	3	3.0	1.5	.0	.0	.0	.0	4.5	1.5 NE
ENE	4	11.3	.8	.0	.0	.0	.0	12.0	1.0 ENE
E	5	5.3	1.5	.0	.0	.0	.0	6.8	1.4 E
ESE	6	1.5	.0	.0	.0	.0	.0	1.5	.9 ESE
SE	7	4.5	.8	.0	.0	.0	.0	5.3	1.3 SE
SSE	8	3.0	.0	.0	.0	.0	.0	3.0	1.0 SSE
S	9	2.3	.8	.8	.0	.0	.0	3.8	2.1 S
SSW	10	.0	.0	.8	.0	.0	.0	.8	4.4 SSW
SW	11	1.5	3.8	8.3	7.5	.0	.0	21.1	4.5 SW
WSW	12	.8	.8	2.3	.8	.0	.0	4.5	3.7 WSW
W	13	.8	.0	.8	.0	.0	.0	1.5	2.1 W
WNW	14	1.5	.0	.0	.0	.0	.0	1.5	.7 WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0 NW
NNW	16	.0	.0	1.5	2.3	.0	.0	3.8	5.7 NNW
CALM		15.8						15.8	
TOTAL		53.4	12.0	20.3	14.3	.0	.0	100.0	2.5

63.6% DATA RECOVERED
29.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

12/ 1/1995 - 12/31/1995
1000 - 1600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	3.4	.0	.7	2.0	2.0	.0	8.2	4.8
NNE	2	4.1	.7	2.7	2.0	2.0	.0	11.6	4.4
NE	3	5.4	.7	.7	.0	.0	.0	6.8	1.2
ENE	4	10.2	2.0	1.4	.0	.0	.0	13.6	1.3
E	5	11.6	1.4	.0	.0	.0	.0	12.9	1.3
ESE	6	4.8	1.4	.0	.0	.0	.0	6.1	1.4
SE	7	2.0	.0	.0	.0	.0	.0	2.0	1.3
SSE	8	2.0	1.4	.0	.0	.0	.0	3.4	1.6
S	9	3.4	.7	.0	.0	.0	.0	4.1	1.3
SSW	10	.0	.0	1.4	2.0	1.4	2.7	7.5	9.8
SW	11	.7	.0	1.4	2.0	.7	1.4	6.1	7.7
WSW	12	.7	.7	.0	.0	.0	.0	1.4	1.6
W	13	.7	.0	.0	.0	.0	.0	.7	.7
WNW	14	.7	.0	.0	.7	.7	.0	2.0	5.9
NW	15	.7	.0	.0	.0	1.4	.0	2.0	7.4
NNW	16	1.4	.0	.7	1.4	.0	.0	3.4	3.9
CALM		8.2						8.2	

TOTAL		59.9	8.8	8.8	10.2	8.2	4.1	100.0	3.2

67.7% DATA RECOVERED
29.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

1/ 1/1995 - 1/31/1995
1600 - 2000 (PST)

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	3.2	1.9	.0	.0	.0	.0	5.2	1.7	N
NNE	2	4.5	1.9	.0	.0	.0	.0	6.5	1.4	NNE
NE	3	1.9	3.9	.0	.0	.0	.0	5.8	2.1	NE
ENE	4	.6	1.3	.0	.0	.0	.0	1.9	1.9	ENE
E	5	3.9	1.9	.6	.0	.0	.0	6.5	1.7	E
ESE	6	1.9	.0	.6	.0	.0	.0	2.6	1.9	ESE
SE	7	1.9	1.3	.0	1.3	.0	.0	4.5	2.9	SE
SSE	8	1.9	1.9	1.9	.0	.0	.0	5.8	2.5	SSE
S	9	2.6	.6	1.3	.0	.0	.0	4.5	2.1	S
SSW	10	2.6	.6	.6	.6	.0	.0	4.5	3.1	SSW
SW	11	3.2	7.1	.6	.6	.0	.0	11.6	2.3	SW
WSW	12	5.2	3.2	.6	.0	.0	.0	9.0	1.9	WSW
W	13	3.2	.0	.0	.0	.0	.0	3.2	1.4	W
WNW	14	6.5	2.6	.0	.0	.0	.0	9.0	1.9	WNW
NW	15	5.2	6.5	.0	.0	.0	.0	11.6	1.9	NW
NNW	16	4.5	1.9	.0	.0	.0	.0	6.5	1.7	NNW
CALM		1.3						1.3		
TOTAL		54.2	36.8	6.5	2.6	.0	.0	100.0	2.0	

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

2/ 1/1995 - 2/28/1995
1600 - 2000 (PST)

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	2.9	2.1	.0	.0	.0	.0	5.0	2.0	N
NNE	2	.7	2.1	3.6	.7	.0	.0	7.1	3.9	NNE
NE	3	.7	2.1	.7	.7	.0	.0	4.3	3.4	NE
ENE	4	5.0	.7	.7	.0	.0	.0	6.4	1.6	ENE
E	5	2.1	.0	2.1	.0	.0	.0	4.3	2.8	E
ESE	6	.7	.7	.0	.0	.0	.0	1.4	2.0	ESE
SE	7	2.9	.7	.7	.0	.0	.0	4.3	2.0	SE
SSE	8	1.4	1.4	.0	.0	.0	.0	2.9	1.5	SSE
S	9	1.4	.7	.0	.0	.0	.0	2.1	1.2	S
SSW	10	5.7	5.0	.7	.7	1.4	1.4	15.0	3.7	SSW
SW	11	5.0	7.1	2.1	1.4	.0	.0	15.7	2.8	SW
WSW	12	3.6	2.1	1.4	.0	.0	.0	7.1	2.4	WSW
W	13	3.6	4.3	.7	.0	.0	.0	8.6	1.9	W
WNW	14	1.4	.0	.0	.0	.0	.0	1.4	.9	WNW
NW	15	3.6	2.9	.7	.0	.0	.0	7.1	2.0	NW
NNW	16	2.9	2.1	.7	.0	.0	.0	5.7	2.2	NNW
CALM		1.4						1.4		
TOTAL		45.0	34.3	14.3	3.6	1.4	1.4	100.0	2.5	

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

3/ 1/1995 - 3/31/1995
1600 - 2000 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.6	.6	.6	.6	.0	.0	2.6	4.0
NNE	2	1.9	2.6	3.2	1.3	.0	.0	9.0	3.7
NE	3	.6	1.3	1.3	.0	.0	.0	3.2	2.7
ENE	4	.6	.6	.0	.0	.0	.0	1.3	1.9
E	5	1.3	.0	.0	.0	.0	.0	1.3	1.6
ESE	6	1.3	.6	.0	.0	.0	.0	1.9	1.4
SE	7	1.9	.6	.6	.0	.0	.0	3.2	1.9
SSE	8	1.3	1.3	.0	.6	.0	.0	3.2	2.9
S	9	1.9	.0	1.3	1.9	.0	.0	5.2	4.0
SSW	10	3.9	1.3	1.9	3.9	3.9	4.5	19.4	7.2
SW	11	2.6	9.0	6.5	1.9	2.6	.6	23.2	4.3
WSW	12	.6	5.2	1.9	.0	.0	.0	7.7	2.8
W	13	1.9	.6	.0	.0	.6	.0	3.2	3.0
WNW	14	1.3	.6	.0	.6	.0	.0	2.6	2.7
NW	15	2.6	5.2	.0	1.3	.0	.0	9.0	2.8
NNW	16	.6	1.3	.6	.6	.0	.0	3.2	3.4
CALM		.6						.6	
TOTAL		25.8	31.0	18.1	12.9	7.1	5.2	100.0	4.1

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

4/ 1/1995 - 4/30/1995
1600 - 2000 (PST)

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	2.0	3.3	1.3	3.3	.0	.0	10.0	3.9	N
NNE	2	1.3	1.3	.7	3.3	2.0	.7	9.3	6.1	NNE
NE	3	2.7	.7	3.3	.7	.0	.0	7.3	3.3	NE
ENE	4	1.3	.0	1.3	.0	.0	.0	2.7	2.7	ENE
E	5	.7	.0	.0	.0	.0	.0	.7	.9	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.7	1.3	.0	.0	.0	.0	2.0	2.0	SE
SSE	8	.7	.7	.0	.0	.0	.0	1.3	2.0	SSE
S	9	2.0	.0	.7	.0	.0	.0	2.7	2.1	S
SSW	10	.7	2.7	2.0	7.3	1.3	2.0	16.0	7.0	SSW
SW	11	4.0	5.3	6.0	8.0	3.3	2.0	28.7	5.3	SW
WSW	12	.7	1.3	2.0	.7	.0	.0	4.7	3.5	WSW
W	13	2.0	1.3	1.3	.0	.0	.0	4.7	2.6	W
WNW	14	.7	1.3	.0	.0	.0	.0	2.0	2.0	WNW
NW	15	2.7	2.0	.0	.0	.0	.0	4.7	1.5	NW
NNW	16	1.3	1.3	.0	.0	.0	.7	3.3	3.9	NNW
CALM		.0						.0		
TOTAL		23.3	22.7	18.7	23.3	6.7	5.3	100.0	4.6	

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

5/ 1/1995 - 5/31/1995
1600 - 2000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.3	.0	.6	.0	.0	.0	1.9	2.8
NNE	2	.0	2.6	1.3	.6	.0	.0	4.5	3.7
NE	3	.6	1.3	1.3	1.9	.0	.0	5.2	4.3
ENE	4	2.6	1.9	1.3	.0	.0	.0	5.8	2.5
E	5	.6	1.3	.0	.0	.0	.0	1.9	2.7
ESE	6	.6	.0	.0	.0	.0	.0	.6	1.6
SE	7	.6	.0	.0	.0	.0	.0	.6	.6
SSE	8	1.3	.0	.0	.0	.0	.0	1.3	1.3
S	9	.6	.0	.0	.0	.0	.0	.6	1.3
SSW	10	.6	1.9	1.9	1.9	1.9	1.9	10.3	6.8
SW	11	1.3	7.1	11.6	9.7	2.6	1.3	33.5	5.1
WSW	12	.6	3.2	7.1	1.3	.0	.0	12.3	3.8
W	13	1.3	2.6	2.6	.0	.0	.0	6.5	3.0
WNW	14	.6	1.3	.6	.0	.0	.0	2.6	2.5
NW	15	3.2	.6	1.9	1.3	.0	.0	7.1	3.5
NNW	16	.6	1.3	1.3	1.9	.0	.0	5.2	4.3
CALM		.0						.0	
TOTAL		16.8	25.2	31.6	18.7	4.5	3.2	100.0	4.3

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

6/ 1/1995 - 6/30/1995
1600 - 2000 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.7	.7	.7	2.0	1.3	2.0	7.3	7.6	N
NNE	2	.0	4.0	4.0	2.7	1.3	1.3	13.3	5.3	NNE
NE	3	.0	2.0	1.3	.7	.0	.0	4.0	3.9	NE
ENE	4	1.3	.7	.7	.0	.0	.0	2.7	2.2	ENE
E	5	.7	.0	1.3	.7	.0	.0	2.7	4.2	E
ESE	6	2.0	.0	.7	.0	.0	.0	2.7	1.6	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.7	.0	.0	.0	.0	.0	.7	1.3	SSE
S	9	.7	1.3	.7	.0	.0	.0	2.7	2.9	S
SSW	10	1.3	2.7	4.0	6.0	4.7	.0	18.7	5.9	SSW
SW	11	.7	5.3	8.0	12.7	2.7	.7	30.0	5.6	SW
WSW	12	2.0	4.0	.0	1.3	.0	.0	7.3	2.8	WSW
W	13	.0	1.3	1.3	.0	.0	.0	2.7	3.5	W
WNW	14	.0	.7	.7	.0	.0	.0	1.3	4.3	WNW
NW	15	.7	.0	.0	.0	.0	.0	.7	1.1	NW
NNW	16	.7	.7	.7	.7	.0	.7	3.3	5.4	NNW
CALM		.0						.0		
TOTAL		11.3	23.3	24.0	26.7	10.0	4.7	100.0	5.1	

100.0% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

7/ 1/1995 - 7/31/1995
1600 - 2000 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.7	.0	.7	.0	.0	1.3	5.0	N
NNE	2	.7	.0	1.3	.0	.0	.0	2.0	3.0	NNE
NE	3	.0	.7	.0	.0	.0	.0	.7	2.2	NE
ENE	4	.7	.7	.0	.0	.0	.0	1.3	1.8	ENE
E	5	1.3	1.3	.0	.0	.0	.0	2.7	1.8	E
ESE	6	.0	.7	.0	.7	.0	.0	1.3	3.9	ESE
SE	7	.7	.0	.0	.0	.0	.0	.7	1.7	SE
SSE	8	.7	.0	.7	.0	.0	.0	1.3	2.7	SSE
S	9	1.3	2.0	2.0	1.3	.0	.0	6.7	3.5	S
SSW	10	.0	2.7	1.3	5.3	1.3	.0	10.7	6.0	SSW
SW	11	2.0	9.3	12.0	26.0	2.7	.0	52.0	5.3	SW
WSW	12	.7	7.3	4.0	.7	.0	.0	12.7	3.1	WSW
W	13	.7	.0	.0	.0	.0	.0	.7	1.1	W
WNW	14	.0	.0	.7	.7	.0	.0	1.3	5.2	WNW
NW	15	1.3	.0	.7	.7	.0	.0	2.7	3.5	NW
NNW	16	.7	.0	.0	1.3	.0	.0	2.0	5.1	NNW
CALM		.0						.0		
TOTAL		10.7	25.3	22.7	37.3	4.0	.0	100.0	4.6	

96.9% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

8/ 1/1995 - 8/31/1995
1600 - 2000 (PST)

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	2.6	.6	.0	.0	.0	.0	3.2	1.4	N
NNE	2	1.3	1.3	.0	.0	.0	.0	2.6	1.8	NNE
NE	3	.0	.6	.0	.0	.0	.0	.6	2.1	NE
ENE	4	.6	.0	.0	.0	.0	.0	.6	1.5	ENE
E	5	.6	.6	.0	.0	.0	.0	1.3	1.8	E
ESE	6	.6	.6	.0	.0	.0	.0	1.3	2.2	ESE
SE	7	.6	.0	.6	.0	.0	.0	1.3	2.8	SE
SSE	8	.6	.0	.6	.0	.0	.0	1.3	2.9	SSE
S	9	.0	.0	1.9	1.3	.0	.0	3.2	5.0	S
SSW	10	1.9	3.9	3.9	5.8	1.9	.0	17.4	5.2	SSW
SW	11	2.6	7.7	11.0	19.4	4.5	1.9	47.1	5.7	SW
WSW	12	1.9	3.9	5.2	1.9	.0	.0	12.9	3.5	WSW
W	13	.6	1.3	.0	.0	.0	.0	1.9	2.1	W
WNW	14	.6	.6	.0	.0	.0	.0	1.3	1.7	WNW
NW	15	1.9	.6	.0	.0	.0	.0	2.6	1.6	NW
NNW	16	.6	.6	.0	.0	.0	.0	1.3	2.1	NNW
CALM		.0						.0		
TOTAL		17.4	22.6	23.2	28.4	6.5	1.9	100.0	4.6	

99.5% DATA RECOVERED
20.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

9/ 1/1995 - 9/30/1995
1600 - 2000 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	3.2	2.4	.0	.0	.0	.0	5.6	1.7
NNE	2	.8	2.4	1.6	.8	.0	.0	5.6	3.5
NE	3	.0	2.4	.0	.0	.0	.0	2.4	2.3
ENE	4	3.2	2.4	.0	.0	.0	.0	5.6	1.8
E	5	.8	.0	1.6	.0	.0	.0	2.4	2.9
ESE	6	.8	.0	.0	.0	.0	.0	.8	1.1
SE	7	.0	2.4	1.6	.8	.0	.0	4.8	3.5
SSE	8	.0	.8	.0	.0	.0	.0	.8	2.1
S	9	.0	.0	.8	.0	.0	.0	.8	4.1
SSW	10	1.6	4.0	2.4	1.6	.0	.0	9.6	3.3
SW	11	3.2	11.2	11.2	12.8	1.6	.0	40.0	4.8
WSW	12	3.2	1.6	5.6	.8	.0	.0	11.2	3.4
W	13	.8	.8	.8	.0	.0	.0	2.4	2.6
WNW	14	.8	.0	.0	.0	.0	.0	.8	1.7
NW	15	2.4	2.4	.0	.0	.0	.0	4.8	1.7
NNW	16	.0	2.4	.0	.0	.0	.0	2.4	2.3
CALM		.0						.0	
TOTAL		20.8	35.2	25.6	16.8	1.6	.0	100.0	3.6

83.5% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

10/ 1/1995 - 10/31/1995

1600 - 2000 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	3.3	1.3	2.0	1.3	.0	.0	8.0	3.2
NNE	2	4.7	1.3	1.3	1.3	.0	.0	8.7	2.9
NE	3	.7	1.3	1.3	.0	.0	.0	3.3	3.1
ENE	4	2.0	1.3	.0	.0	.0	.0	3.3	1.9
E	5	.7	2.0	.0	.0	.0	.0	2.7	2.1
ESE	6	2.7	.7	.0	.0	.0	.0	3.3	1.3
SE	7	.0	.7	.0	.0	.0	.0	.7	2.8
SSE	8	3.3	.7	.0	.0	.0	.0	4.0	1.5
S	9	.0	2.7	.0	.0	.0	.0	2.7	2.3
SSW	10	2.0	3.3	1.3	.0	.0	.0	6.7	2.5
SW	11	4.0	9.3	6.7	2.7	.0	.0	22.7	3.3
WSW	12	1.3	4.7	2.7	.0	.0	.0	8.7	2.8
W	13	2.0	2.0	.0	.0	.0	.0	4.0	2.0
WNW	14	7.3	1.3	.0	.0	.0	.0	8.7	1.4
NW	15	5.3	1.3	.0	.0	.0	.0	6.7	1.5
NNW	16	2.7	2.7	.0	.0	.0	.0	5.3	1.8
CALM		.7						.7	

TOTAL		42.7	36.7	15.3	5.3	.0	.0	100.0	2.5

96.8% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

11/ 1/1995 - 11/30/1995
1600 - 2000 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	6.3	.0	.0	2.1	.0	.0	8.4	2.5
NNE	2	5.3	5.3	2.1	.0	.0	.0	12.6	2.1
NE	3	.0	3.2	1.1	.0	.0	.0	4.2	2.8
ENE	4	2.1	.0	.0	.0	.0	.0	2.1	1.0
E	5	2.1	2.1	.0	.0	.0	.0	4.2	1.8
ESE	6	1.1	1.1	.0	.0	.0	.0	2.1	1.6
SE	7	3.2	.0	.0	.0	.0	.0	3.2	1.4
SSE	8	1.1	.0	.0	.0	.0	.0	1.1	.9
S	9	1.1	1.1	.0	.0	.0	.0	2.1	1.8
SSW	10	3.2	6.3	2.1	.0	.0	.0	11.6	2.6
SW	11	3.2	5.3	3.2	1.1	.0	.0	12.6	2.9
WSW	12	6.3	2.1	3.2	.0	.0	.0	11.6	2.2
W	13	7.4	2.1	.0	.0	.0	.0	9.5	1.4
WNW	14	3.2	.0	.0	.0	.0	.0	3.2	1.4
NW	15	2.1	1.1	.0	.0	.0	.0	3.2	1.2
NNW	16	3.2	4.2	.0	1.1	.0	.0	8.4	2.5
CALM		.0						.0	
TOTAL		50.5	33.7	11.6	4.2	.0	.0	100.0	2.2

63.6% DATA RECOVERED
20.7% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition

12/ 1/1995 - 12/31/1995
1600 - 2000 (PST)

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	5.7	2.9	.0	.0	1.9	.0	10.5	3.0	N
NNE	2	2.9	1.9	4.8	3.8	2.9	.0	16.2	5.0	NNE
NE	3	1.9	1.0	1.9	.0	.0	.0	4.8	2.5	NE
ENE	4	2.9	1.0	1.0	.0	.0	.0	4.8	1.7	ENE
E	5	2.9	1.0	.0	.0	.0	.0	3.8	1.5	E
ESE	6	1.9	.0	.0	.0	.0	.0	1.9	1.3	ESE
SE	7	1.0	.0	.0	.0	.0	.0	1.0	1.3	SE
SSE	8	3.8	.0	.0	.0	.0	.0	3.8	1.2	SSE
S	9	1.9	.0	.0	.0	.0	.0	1.9	1.1	S
SSW	10	1.0	1.9	1.9	1.0	2.9	2.9	11.4	7.3	SSW
SW	11	1.0	4.8	1.9	1.0	.0	.0	8.6	3.2	SW
WSW	12	4.8	1.9	.0	.0	.0	.0	6.7	1.3	WSW
W	13	4.8	1.0	.0	.0	.0	.0	5.7	1.5	W
WNW	14	1.9	1.9	.0	.0	.0	.0	3.8	1.4	WNW
NW	15	3.8	4.8	1.0	.0	.0	.0	9.5	2.2	NW
NNW	16	2.9	1.0	1.0	.0	.0	.0	4.8	1.9	NNW
CALM		1.0						1.0		
TOTAL		45.7	24.8	13.3	5.7	7.6	2.9	100.0	3.1	

67.7% DATA RECOVERED
20.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

1/ 1/1995 - 1/31/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	3.2	2.6	.0	.0	.0	.0	5.9	1.5	N
NNE	2	2.9	.9	.9	.0	.0	.0	4.7	1.9	NNE
NE	3	3.5	.6	1.2	.3	.0	.0	5.6	2.2	NE
ENE	4	1.8	.6	.0	.0	.0	.0	2.3	1.4	ENE
E	5	1.5	.0	.0	.0	.0	.0	1.5	1.2	E
ESE	6	1.2	.3	.0	.0	.0	.0	1.5	1.4	ESE
SE	7	1.5	.0	.0	.3	.0	.0	1.8	1.7	SE
SSE	8	2.1	.0	.0	.0	.0	.0	2.1	1.1	SSE
S	9	1.8	.3	.3	.0	.0	.0	2.3	1.7	S
SSW	10	4.7	1.8	.0	1.2	2.9	.0	10.6	4.4	SSW
SW	11	8.5	2.3	.3	.3	.0	.0	11.4	1.6	SW
WSW	12	10.3	2.6	.3	.0	.0	.0	13.2	1.3	WSW
W	13	7.3	.9	.0	.0	.0	.0	8.2	1.4	W
WNW	14	4.7	3.2	.6	.0	.0	.0	8.5	2.0	WNW
NW	15	5.9	4.7	1.2	.0	.0	.0	11.7	2.0	NW
NNW	16	4.4	1.5	.0	.0	.0	.0	5.9	1.5	NNW
CALM		2.9						2.9		
TOTAL		68.0	22.3	4.7	2.1	2.9	.0	100.0	1.9	

100.0% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

2/ 1/1995 - 2/28/1995
2000 - 600 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.5	.3	.0	.0	.0	.0	4.9	1.1
NNE	2	3.2	.6	.6	.0	.0	.0	4.5	1.7
NE	3	4.5	1.0	.0	.0	.0	.0	5.5	1.3
ENE	4	2.3	.6	.0	.0	.0	.0	2.9	1.2
E	5	2.3	.3	.0	.0	.0	.0	2.6	1.2
ESE	6	.3	.0	.0	.0	.0	.0	.3	1.3
SE	7	3.9	.0	.0	.0	.0	.0	3.9	1.1
SSE	8	2.6	1.0	.0	.0	.0	.0	3.6	1.4
S	9	1.3	.0	.3	.0	.0	.0	1.6	1.7
SSW	10	5.2	.3	.0	.3	.0	3.6	9.4	5.6
SW	11	11.4	2.9	.0	.0	.0	.0	14.3	1.3
WSW	12	10.7	1.0	.3	.6	.0	.0	12.7	1.5
W	13	7.1	1.6	.0	.0	.0	.0	8.8	1.2
WNW	14	4.2	.6	.0	.0	.0	.0	4.9	1.2
NW	15	5.5	2.3	.3	.0	.0	.0	8.1	1.6
NNW	16	3.2	1.3	.6	.0	.0	.0	5.2	2.0
CALM		6.8						6.8	
TOTAL		79.2	14.0	2.3	1.0	.0	3.6	100.0	1.7

100.0% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

3/ 1/1995 - 3/31/1995
2000 - 600 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	3.5	.9	1.5	.3	.0	.0	6.2	2.3
NNE	2	2.9	.6	2.1	.0	.0	.0	5.6	2.4
NE	3	2.9	.3	.0	1.5	.0	.0	4.7	3.1
ENE	4	.6	1.8	.0	.0	.0	.0	2.3	2.0
E	5	1.5	.3	.0	.0	.0	.0	1.8	1.5
ESE	6	1.8	.6	.0	.0	.0	.0	2.3	1.5
SE	7	1.2	.3	.0	.3	.0	.0	1.8	2.1
SSE	8	1.8	.6	.0	.9	.0	.0	3.2	2.8
S	9	2.1	.6	.0	.3	.0	.0	2.9	2.0
SSW	10	7.9	2.3	.3	1.2	.0	2.9	14.7	4.2
SW	11	7.9	2.3	1.5	.9	.6	.3	13.5	2.7
WSW	12	9.4	2.6	1.2	.3	.0	.0	13.5	1.7
W	13	5.6	2.9	.0	.0	.0	.0	8.5	1.6
WNW	14	4.4	1.8	.0	.0	.0	.0	6.2	1.4
NW	15	4.7	3.2	.0	.0	.0	.0	7.9	1.7
NNW	16	2.9	.9	.0	.0	.0	.0	3.8	1.3
CALM		1.2						1.2	
TOTAL		62.2	22.0	6.5	5.6	.6	3.2	100.0	2.3

100.0% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

4/ 1/1995 - 4/30/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	3.0	1.8	.3	.6	.6	.0	6.4	3.2	N
NNE	2	3.0	1.2	1.5	2.1	.6	.0	8.5	3.8	NNE
NE	3	2.4	1.8	1.5	1.2	.3	.0	7.3	3.3	NE
ENE	4	1.5	1.2	.6	.0	.0	.0	3.3	2.5	ENE
E	5	1.5	1.8	.0	.0	.0	.0	3.3	1.9	E
ESE	6	.9	.3	.0	.0	.0	.0	1.2	1.2	ESE
SE	7	1.8	.0	.0	.0	.0	.0	1.8	1.2	SE
SSE	8	2.1	1.5	.0	.0	.0	.0	3.6	1.4	SSE
S	9	1.5	1.8	.0	.0	.0	.0	3.3	1.9	S
SSW	10	3.9	.9	1.2	.9	.3	.0	7.3	2.9	SSW
SW	11	6.4	3.0	1.5	2.4	.3	.0	13.6	2.9	SW
WSW	12	7.3	2.1	1.8	.3	.0	.0	11.5	1.9	WSW
W	13	3.9	1.8	.9	.0	.0	.0	6.7	2.0	W
WNW	14	3.0	1.2	.6	.0	.0	.0	4.8	1.8	WNW
NW	15	5.2	1.5	.6	.0	.0	.0	7.3	1.5	NW
NNW	16	4.5	1.2	.0	.9	.0	.6	7.3	3.0	NNW
CALM		2.7						2.7		
TOTAL		54.8	23.3	10.6	8.5	2.1	.6	100.0	2.4	

100.0% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

5/ 1/1995 - 5/31/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	4.1	.3	.0	.3	.0	.0	4.7	1.5	N
NNE	2	2.9	1.5	.9	.0	.0	.0	5.3	2.1	NNE
NE	3	1.8	.6	.0	.0	.0	.0	2.3	1.6	NE
ENE	4	2.3	1.2	.0	.0	.0	.0	3.5	1.6	ENE
E	5	1.8	.0	.0	.0	.0	.0	1.8	1.3	E
ESE	6	.9	.0	.0	.0	.0	.0	.9	1.1	ESE
SE	7	2.6	.3	.0	.0	.0	.0	2.9	1.0	SE
SSE	8	.9	.0	.0	.0	.0	.0	.9	1.1	SSE
S	9	4.4	.0	.0	.0	.0	.0	4.4	1.1	S
SSW	10	6.2	3.2	.0	.0	.0	.0	9.4	1.6	SSW
SW	11	9.7	5.0	1.8	2.9	.3	.3	19.9	2.9	SW
WSW	12	9.1	2.6	2.1	2.9	.0	.0	16.7	2.7	WSW
W	13	4.4	.9	1.2	.3	.0	.0	6.7	2.1	W
WNW	14	3.8	1.2	.0	.0	.0	.0	5.0	1.6	WNW
NW	15	5.6	.9	.3	.0	.0	.0	6.7	1.5	NW
NNW	16	3.5	1.5	.0	.0	.0	.0	5.0	1.5	NNW
CALM		3.8						3.8		
TOTAL		67.7	19.1	6.2	6.5	.3	.3	100.0	2.0	

100.0% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

6/ 1/1995 - 6/30/1995
2000 - 600 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.2	1.5	2.1	1.2	.3	.6	10.0	3.5
NNE	2	2.1	3.0	1.8	.9	.3	.0	8.2	3.4
NE	3	2.4	1.8	.9	.6	.0	.0	5.8	2.6
ENE	4	2.1	1.2	.6	.0	.0	.0	3.9	2.0
E	5	2.4	.6	.0	.0	.0	.0	3.0	1.2
ESE	6	1.2	.3	.0	.0	.0	.0	1.5	1.2
SE	7	.6	.0	.0	.0	.0	.0	.6	1.1
SSE	8	1.2	.0	.0	.0	.0	.0	1.2	1.1
S	9	3.3	.6	.0	.0	.0	.0	3.9	1.3
SSW	10	7.3	3.6	.9	1.2	.3	.0	13.3	2.5
SW	11	7.3	3.9	1.5	.6	.3	.0	13.6	2.4
WSW	12	8.5	2.1	.6	.0	.3	.0	11.5	1.7
W	13	3.0	.6	.0	.0	.0	.0	3.6	1.2
WNW	14	3.6	.9	.3	.0	.0	.0	4.8	1.7
NW	15	2.7	.9	.0	.0	.0	.0	3.6	1.4
NNW	16	3.3	2.1	.9	.3	.0	.0	6.7	2.2
CALM		4.5						4.5	
TOTAL		60.0	23.3	9.7	4.8	1.5	.6	100.0	2.2

100.0% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

7/ 1/1995 - 7/31/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	5.7	1.2	1.5	.6	.0	.0	9.1	2.3
NNE	2	3.9	2.1	.9	.0	.0	.0	6.9	1.9
NE	3	3.0	2.4	.3	.0	.0	.0	5.7	1.9
ENE	4	3.0	1.2	.0	.0	.0	.0	4.2	1.5
E	5	2.1	.0	.0	.0	.0	.0	2.1	1.0
ESE	6	1.8	.0	.0	.0	.0	.0	1.8	1.0
SE	7	1.2	.3	.0	.0	.0	.0	1.5	1.2
SSE	8	2.1	.0	.0	.0	.0	.0	2.1	1.0
S	9	3.9	.3	.3	.0	.0	.0	4.5	1.2
SSW	10	2.7	1.8	1.2	.3	.0	.0	6.0	2.4
SW	11	9.7	5.1	.9	1.2	.0	.0	16.9	2.2
WSW	12	10.3	2.4	.3	.0	.0	.0	13.0	1.4
W	13	5.1	.3	.0	.0	.0	.0	5.4	1.3
WNW	14	2.7	.9	.0	.0	.0	.0	3.6	1.4
NW	15	3.6	.9	.3	.0	.0	.0	4.8	1.5
NNW	16	6.6	.9	.0	.3	.0	.0	7.9	1.6
CALM		4.2						4.2	
TOTAL		71.9	19.9	5.7	2.4	.0	.0	100.0	1.7

96.9% DATA RECOVERED
45.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

8/ 1/1995 - 8/31/1995
2000 - 600 (PST)

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	8.2	.9	.0	.0	.0	.0	9.1	1.3
NNE	2	7.6	2.3	.0	.0	.0	.0	10.0	1.5
NE	3	3.2	4.7	.3	.0	.0	.0	8.2	1.9
ENE	4	4.4	1.8	.0	.0	.0	.0	6.2	1.5
E	5	2.3	.9	.0	.0	.0	.0	3.2	1.3
ESE	6	2.1	.0	.3	.0	.0	.0	2.3	1.4
SE	7	.6	.3	.0	.0	.0	.0	.9	1.8
SSE	8	1.2	.3	.0	.0	.0	.0	1.5	1.5
S	9	3.2	1.8	.3	.0	.0	.0	5.3	1.8
SSW	10	4.7	1.2	.3	.3	.0	.0	6.5	1.8
SW	11	7.3	2.6	.6	.6	.0	.0	11.1	1.9
WSW	12	6.7	1.2	.9	.0	.0	.0	8.8	1.6
W	13	5.9	1.2	.3	.0	.0	.0	7.3	1.3
WNW	14	4.1	.9	.0	.0	.0	.0	5.0	1.2
NW	15	5.3	.9	.0	.0	.0	.0	6.2	1.4
NNW	16	4.4	1.5	.0	.0	.0	.0	5.9	1.4
CALM		2.6						2.6	
TOTAL		73.9	22.3	2.9	.9	.0	.0	100.0	1.5

99.5% DATA RECOVERED
46.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

9/ 1/1995 - 9/30/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	7.2	1.4	.0	.0	.0	.0	8.7	1.3
NNE	2	5.8	2.9	.0	2.2	.0	.0	10.9	2.9
NE	3	4.0	1.8	.4	.0	.0	.0	6.2	1.5
ENE	4	5.1	1.4	.0	.0	.0	.0	6.5	1.3
E	5	3.3	.0	.0	.0	.0	.0	3.3	1.1
ESE	6	1.4	.0	.4	.0	.0	.0	1.8	1.5
SE	7	2.2	.0	.0	1.1	.0	.0	3.3	2.9
SSE	8	1.8	.0	.0	.0	.0	.0	1.8	1.0
S	9	4.0	.4	.4	.0	.0	.0	4.7	1.3
SSW	10	4.3	1.1	.0	.0	.0	.0	5.4	1.4
SW	11	9.1	2.2	.4	.4	.0	.0	12.0	1.7
WSW	12	9.4	1.1	.0	.0	.0	.0	10.5	1.2
W	13	6.9	.4	.0	.0	.0	.0	7.2	1.1
WNW	14	2.2	.0	.0	.0	.0	.0	2.2	1.2
NW	15	3.6	3.3	.7	.0	.0	.0	7.6	1.9
NNW	16	3.3	1.4	.0	.0	.0	.0	4.7	1.4
CALM		3.3						3.3	
TOTAL		76.8	17.4	2.2	3.6	.0	.0	100.0	1.6

83.5% DATA RECOVERED
45.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

10/ 1/1995 - 10/31/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.2	1.2	.6	1.8	.0	.0	7.9	2.7
NNE	2	5.8	.6	.9	3.6	.9	.3	12.1	4.0
NE	3	5.5	.3	.6	.9	.0	.0	7.3	2.0
ENE	4	2.4	.9	.0	.0	.0	.0	3.3	1.5
E	5	2.7	.9	.0	.0	.0	.0	3.6	1.1
ESE	6	2.1	.0	.0	.0	.0	.0	2.1	1.0
SE	7	1.8	.3	.0	.0	.0	.0	2.1	1.1
SSE	8	4.2	.0	.0	.0	.0	.0	4.2	1.0
S	9	3.3	.6	.0	.0	.0	.0	3.9	1.1
SSW	10	5.2	1.2	.0	.0	.0	.0	6.4	1.4
SW	11	9.7	3.0	.0	.0	.0	.0	12.7	1.4
WSW	12	7.0	1.2	.0	.0	.0	.0	8.2	1.2
W	13	7.6	.9	.0	.0	.0	.0	8.5	1.2
WNW	14	4.2	.9	.3	.0	.0	.0	5.5	1.4
NW	15	3.9	.3	.0	.0	.3	.0	4.5	1.7
NNW	16	2.7	.9	.0	.6	.3	.0	4.5	2.7
CALM		3.0						3.0	
TOTAL		75.5	13.3	2.4	7.0	1.5	.3	100.0	1.8

96.8% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

11/ 1/1995 - 11/30/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.3	.5	.5	.5	.0	.0	5.7	2.1
NNE	2	3.8	1.9	.5	.0	.0	.0	6.2	1.7
NE	3	5.2	.5	.0	.0	.0	.0	5.7	1.4
ENE	4	5.2	1.4	.0	.0	.0	.0	6.6	1.5
E	5	2.8	.0	.0	.0	.0	.0	2.8	1.1
ESE	6	1.9	.5	.0	.0	.0	.0	2.4	1.2
SE	7	3.8	.5	.0	.0	.0	.0	4.3	1.3
SSE	8	1.9	.9	.0	.0	.0	.0	2.8	1.4
S	9	5.2	1.4	.0	.0	.0	.0	6.6	1.4
SSW	10	5.2	.5	.0	.0	.0	.0	5.7	1.3
SW	11	12.3	5.7	.0	.0	.0	.0	18.0	1.5
WSW	12	9.0	1.4	.0	.0	.0	.0	10.4	1.4
W	13	5.2	1.4	.0	.0	.0	.0	6.6	1.3
WNW	14	3.8	.5	.0	.0	.0	.0	4.3	1.2
NW	15	3.8	.9	.0	.0	.0	.0	4.7	1.2
NNW	16	4.3	2.4	.0	.0	.0	.0	6.6	1.6
CALM		.5						.5	
TOTAL		78.2	20.4	.9	.5	.0	.0	100.0	1.4

63.6% DATA RECOVERED
46.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time

12/ 1/1995 - 12/31/1995
2000 - 600 (PST)

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	3.0	1.3	.9	.0	.0	.0	5.2	1.9	N
NNE	2	6.1	.9	.9	2.6	.9	.0	11.3	3.7	NNE
NE	3	4.3	.9	1.3	.4	.0	.0	6.9	2.4	NE
ENE	4	1.3	2.2	.0	.0	.0	.0	3.5	1.8	ENE
E	5	2.6	.0	.0	.0	.0	.0	2.6	1.1	E
ESE	6	2.2	.4	.0	.0	.0	.0	2.6	1.2	ESE
SE	7	1.7	.9	.0	.0	.0	.0	2.6	1.4	SE
SSE	8	3.9	.0	.0	.0	.0	.0	3.9	1.0	SSE
S	9	4.3	.4	.0	.0	.0	.0	4.8	1.2	S
SSW	10	4.8	1.7	.0	.4	1.3	.0	8.2	2.9	SSW
SW	11	6.1	4.3	.9	.4	.4	.0	12.1	2.3	SW
WSW	12	7.4	2.6	1.3	.9	.0	.0	12.1	2.1	WSW
W	13	5.6	.9	.9	.0	.0	.0	7.4	1.7	W
WNW	14	3.9	2.2	.0	.0	.0	.0	6.1	1.6	WNW
NW	15	4.3	1.7	.0	.0	.0	.0	6.1	1.6	NW
NNW	16	4.8	.0	.0	.0	.0	.0	4.8	1.1	NNW
CALM		.0						.0		
TOTAL		66.2	20.3	6.1	4.8	2.6	.0	100.0	2.1	

67.7% DATA RECOVERED
45.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)		
WIND DIR	SECTOR	1	2	3	4	5	6				
N	1	2.8	.9	.0	.0	.0	.0	3.8	1.3	N	
NNE	2	4.7	.0	.0	.0	.0	.0	4.7	1.0	NNE	
NE	3	4.7	1.9	.0	.0	.0	.0	6.6	1.4	NE	
ENE	4	1.9	.0	.0	.0	.0	.0	1.9	1.0	ENE	
E	5	8.5	2.8	.0	.0	.0	.0	11.3	1.3	E	
ESE	6	4.7	.0	.0	.0	.0	.0	4.7	.8	ESE	
SE	7	6.6	.0	.0	.0	.0	.0	6.6	.9	SE	
SSE	8	8.5	3.8	.0	.0	.0	.0	12.3	1.5	SSE	
S	9	3.8	.0	.0	.0	.0	.0	3.8	.7	S	
SSW	10	2.8	.0	.0	.0	.0	.0	2.8	1.0	SSW	
SW	11	3.8	.0	.0	.0	.0	.0	3.8	.9	SW	
WSW	12	2.8	.0	.0	.0	.0	.0	2.8	1.0	WSW	
W	13	2.8	.0	.0	.0	.0	.0	2.8	1.0	W	
WNW	14	.9	.0	.0	.0	.0	.0	.9	1.6	WNW	
NW	15	1.9	.0	.0	.0	.0	.0	1.9	1.0	NW	
NNW	16	1.9	2.8	.0	.0	.0	.0	4.7	1.6	NNW	
CALM		24.5						24.5			
TOTAL		87.7	12.3	.0	.0	.0	.0	100.0	.9		

100.0% DATA RECOVERED
14.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)
CALM WS <= .5
1 .5< WS <= 1.8
2 1.8< WS <= 3.3
3 3.3< WS <= 5.4
4 5.4< WS <= 8.5
5 8.5< WS <= 10.8
6 10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	2.8	.0	.0	.0	.0	.0	2.8	.8	N
NNE	2	3.7	.0	.0	.0	.0	.0	3.7	1.1	NNE
NE	3	1.8	.0	.0	.0	.0	.0	1.8	.6	NE
ENE	4	8.3	.0	.0	.0	.0	.0	8.3	.9	ENE
E	5	.9	.9	.0	.0	.0	.0	1.8	1.8	E
ESE	6	5.5	1.8	.0	.0	.0	.0	7.3	1.3	ESE
SE	7	10.1	.0	.0	.0	.0	.0	10.1	.9	SE
SSE	8	11.0	.9	.0	.0	.0	.0	11.9	1.0	SSE
S	9	4.6	.9	.0	.0	.0	.0	5.5	1.3	S
SSW	10	3.7	.9	.0	.0	.0	.0	4.6	1.3	SSW
SW	11	.9	.9	.0	.0	.0	.0	1.8	1.8	SW
WSW	12	.9	.0	.0	.0	.0	.0	.9	.5	WSW
W	13	1.8	.9	.0	.0	.0	.0	2.8	1.6	W
WNW	14	3.7	.0	.0	.0	.0	.0	3.7	.8	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.9	.9	.0	.0	.0	.0	1.8	1.6	NNW
CALM		31.2						31.2		
TOTAL		91.7	8.3	.0	.0	.0	.0	100.0	.8	

100.0% DATA RECOVERED
16.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995

0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.6	.8	.0	.0	.0	.0	2.4	1.6 N
NNE	2	7.3	.8	.0	.0	.0	.0	8.1	1.1 NNE
NE	3	1.6	1.6	.0	.0	.0	.0	3.2	1.7 NE
ENE	4	3.2	.8	.0	.0	.0	.0	4.0	1.2 ENE
E	5	4.0	.8	.0	.0	.0	.0	4.8	1.2 E
ESE	6	4.0	1.6	.0	.0	.0	.0	5.6	1.4 ESE
SE	7	6.5	2.4	.0	.0	.0	.0	8.9	1.3 SE
SSE	8	10.5	.8	.0	.0	.0	.0	11.3	1.2 SSE
S	9	5.6	2.4	.0	.0	.0	.0	8.1	1.4 S
SSW	10	8.9	.8	.0	.0	.0	.0	9.7	1.2 SSW
SW	11	3.2	1.6	.0	.0	.0	.0	4.8	1.5 SW
WSW	12	.8	.0	.0	.0	.0	.0	.8	1.0 WSW
W	13	2.4	.8	.0	.0	.0	.0	3.2	1.2 W
WNW	14	4.0	.8	.0	.0	.0	.0	4.8	1.1 WNW
NW	15	4.0	.8	.0	.0	.0	.0	4.8	1.2 NW
NNW	16	1.6	.0	.0	.0	.0	.0	1.6	.9 NNW
CALM		13.7						13.7	
TOTAL		83.1	16.9	.0	.0	.0	.0	100.0	1.1

100.0% DATA RECOVERED
16.7% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)
CALM WS <= .5
1 .5< WS <= 1.8
2 1.8< WS <= 3.3
3 3.3< WS <= 5.4
4 5.4< WS <= 8.5
5 8.5< WS <= 10.8
6 10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	2.0	1.0	.0	.0	.0	.0	3.0	1.0	N
NNE	2	5.1	5.1	.0	.0	.0	.0	10.1	1.8	NNE
NE	3	6.1	2.0	.0	.0	.0	.0	8.1	1.3	NE
ENE	4	2.0	3.0	.0	.0	.0	.0	5.1	1.9	ENE
E	5	9.1	.0	.0	.0	.0	.0	9.1	.9	E
ESE	6	3.0	1.0	.0	.0	.0	.0	4.0	1.3	ESE
SE	7	7.1	1.0	.0	.0	.0	.0	8.1	1.4	SE
SSE	8	2.0	2.0	.0	.0	.0	.0	4.0	1.7	SSE
S	9	8.1	4.0	.0	.0	.0	.0	12.1	1.5	S
SSW	10	2.0	5.1	.0	.0	.0	.0	7.1	2.1	SSW
SW	11	2.0	4.0	.0	.0	.0	.0	6.1	2.1	SW
WSW	12	1.0	.0	.0	.0	.0	.0	1.0	1.6	WSW
W	13	3.0	.0	.0	.0	.0	.0	3.0	.9	W
WNW	14	3.0	1.0	.0	.0	.0	.0	4.0	1.3	WNW
NW	15	2.0	2.0	.0	.0	.0	.0	4.0	1.7	NW
NNW	16	2.0	.0	.0	.0	.0	.0	2.0	1.4	NNW
CALM		9.1						9.1		
TOTAL		68.7	31.3	.0	.0	.0	.0	100.0	1.4	

100.0% DATA RECOVERED
13.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995

0 - 2400 (PST)

STABILITY CLASS A

0.5 - 1.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.8	1.7	.0	.0	.0	.0	2.5	2.4 N
NNE	2	.8	.8	.0	.0	.0	.0	1.7	1.9 NNE
NE	3	1.7	.8	.0	.0	.0	.0	2.5	1.5 NE
ENE	4	8.5	3.4	.0	.0	.0	.0	11.9	1.5 ENE
E	5	7.6	.8	.0	.0	.0	.0	8.5	1.1 E
ESE	6	9.3	.8	.0	.0	.0	.0	10.2	1.2 ESE
SE	7	5.1	2.5	.0	.0	.0	.0	7.6	1.5 SE
SSE	8	7.6	1.7	.0	.0	.0	.0	9.3	1.2 SSE
S	9	6.8	5.1	.0	.0	.0	.0	11.9	1.6 S
SSW	10	3.4	4.2	.0	.0	.0	.0	7.6	2.0 SSW
SW	11	3.4	3.4	.0	.0	.0	.0	6.8	1.8 SW
WSW	12	1.7	1.7	.0	.0	.0	.0	3.4	2.1 WSW
W	13	.8	.8	.0	.0	.0	.0	1.7	1.7 W
WNW	14	.0	1.7	.0	.0	.0	.0	1.7	2.6 WNW
NW	15	.0	.8	.0	.0	.0	.0	.8	2.2 NW
NNW	16	.0	3.4	.0	.0	.0	.0	3.4	2.6 NNW
CALM		8.5						8.5	
TOTAL		66.1	33.9	.0	.0	.0	.0	100.0	1.5

100.0% DATA RECOVERED
15.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES	
(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPIRILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995

0 - 2400 (PST)

STABILITY CLASS A

0.5 - 1.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.7	.0	.0	.0	.0	.0	.7	.9	N
NNE	2	2.6	2.0	.0	.0	.0	.0	4.6	1.6	NNE
NE	3	4.0	.7	.0	.0	.0	.0	4.6	1.1	NE
ENE	4	4.0	6.6	.0	.0	.0	.0	10.6	1.8	ENE
E	5	5.3	2.6	.0	.0	.0	.0	7.9	1.4	E
ESE	6	4.6	2.0	.0	.0	.0	.0	6.6	1.4	ESE
SE	7	6.6	2.0	.0	.0	.0	.0	8.6	1.3	SE
SSE	8	4.0	2.0	.0	.0	.0	.0	6.0	1.7	SSE
S	9	6.6	2.6	.0	.0	.0	.0	9.3	1.4	S
SSW	10	6.6	4.6	.0	.0	.0	.0	11.3	1.7	SSW
SW	11	2.0	2.0	.0	.0	.0	.0	4.0	1.5	SW
WSW	12	2.0	2.6	.0	.0	.0	.0	4.6	1.7	WSW
W	13	2.0	.7	.0	.0	.0	.0	2.6	1.2	W
WNW	14	.7	1.3	.0	.0	.0	.0	2.0	2.1	WNW
NW	15	.7	2.0	.0	.0	.0	.0	2.6	2.0	NW
NNW	16	1.3	2.6	.0	.0	.0	.0	4.0	2.0	NNW
CALM		9.9						9.9		
TOTAL		63.6	36.4	.0	.0	.0	.0	100.0	1.4	

100.0% DATA RECOVERED
21.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)		
WIND DIR	SECTOR	1	2	3	4	5	6				
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N	
NNE	2	4.3	1.7	.0	.0	.0	.0	6.0	1.5	NNE	
NE	3	5.1	.0	.0	.0	.0	.0	5.1	1.2	NE	
ENE	4	5.1	.9	.0	.0	.0	.0	6.0	1.3	ENE	
E	5	6.8	2.6	.0	.0	.0	.0	9.4	1.4	E	
ESE	6	6.8	1.7	.0	.0	.0	.0	8.5	1.3	ESE	
SE	7	8.5	.9	.0	.0	.0	.0	9.4	1.1	SE	
SSE	8	2.6	2.6	.0	.0	.0	.0	5.1	1.8	SSE	
S	9	6.0	.9	.0	.0	.0	.0	6.8	1.5	S	
SSW	10	6.0	1.7	.0	.0	.0	.0	7.7	1.4	SSW	
SW	11	5.1	3.4	.0	.0	.0	.0	8.5	1.7	SW	
WSW	12	4.3	2.6	.0	.0	.0	.0	6.8	1.6	WSW	
W	13	.9	2.6	.0	.0	.0	.0	3.4	2.1	W	
WNW	14	.0	.9	.0	.0	.0	.0	.9	2.0	WNW	
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW	
NNW	16	1.7	.9	.0	.0	.0	.0	2.6	1.2	NNW	
CALM		13.7						13.7			
TOTAL		76.9	23.1	.0	.0	.0	.0	100.0	1.3		

96.9% DATA RECOVERED
16.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPIRIT TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.0	.0	.0	.0	.0	.0	1.0	1.2 N
NNE	2	4.8	.0	.0	.0	.0	.0	4.8	.9 NNE
NE	3	5.8	.0	.0	.0	.0	.0	5.8	1.1 NE
ENE	4	6.7	.0	.0	.0	.0	.0	6.7	1.0 ENE
E	5	9.6	1.0	.0	.0	.0	.0	10.6	1.3 E
ESE	6	3.8	.0	.0	.0	.0	.0	3.8	1.2 ESE
SE	7	3.8	2.9	.0	.0	.0	.0	6.7	1.8 SE
SSE	8	1.9	2.9	.0	.0	.0	.0	4.8	1.6 SSE
S	9	2.9	3.8	.0	.0	.0	.0	6.7	1.7 S
SSW	10	10.6	.0	.0	.0	.0	.0	10.6	1.1 SSW
SW	11	1.9	.0	.0	.0	.0	.0	1.9	1.5 SW
WSW	12	2.9	2.9	.0	.0	.0	.0	5.8	1.6 WSW
W	13	3.8	1.0	.0	.0	.0	.0	4.8	1.5 W
WNW	14	2.9	.0	.0	.0	.0	.0	2.9	1.2 WNW
NW	15	2.9	1.9	.0	.0	.0	.0	4.8	1.3 NW
NNW	16	1.9	.0	.0	.0	.0	.0	1.9	.9 NNW
CALM		16.3						16.3	
TOTAL		83.7	16.3	.0	.0	.0	.0	100.0	1.1

99.5% DATA RECOVERED
14.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995

0 - 2400 (PST)

STABILITY CLASS A

0.5 - 1.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	2.6	.9	.0	.0	.0	.0	3.4	1.1	N
NNE	2	5.1	.0	.0	.0	.0	.0	5.1	.7	NNE
NE	3	5.1	.9	.0	.0	.0	.0	6.0	1.3	NE
ENE	4	6.0	1.7	.0	.0	.0	.0	7.7	1.4	ENE
E	5	10.3	2.6	.0	.0	.0	.0	12.8	1.2	E
ESE	6	4.3	.9	.0	.0	.0	.0	5.1	1.2	ESE
SE	7	1.7	.0	.0	.0	.0	.0	1.7	.6	SE
SSE	8	1.7	.9	.0	.0	.0	.0	2.6	1.7	SSE
S	9	1.7	1.7	.0	.0	.0	.0	3.4	1.9	S
SSW	10	3.4	4.3	.0	.0	.0	.0	7.7	1.9	SSW
SW	11	8.5	1.7	.0	.0	.0	.0	10.3	1.2	SW
WSW	12	3.4	.9	.0	.0	.0	.0	4.3	1.0	WSW
W	13	2.6	.9	.0	.0	.0	.0	3.4	1.4	W
WNW	14	1.7	2.6	.0	.0	.0	.0	4.3	1.7	WNW
NW	15	1.7	.0	.0	.0	.0	.0	1.7	1.1	NW
NNW	16	2.6	.9	.0	.0	.0	.0	3.4	1.2	NNW
CALM		17.1						17.1		
TOTAL		79.5	20.5	.0	.0	.0	.0	100.0	1.1	

83.5% DATA RECOVERED
19.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995

0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	3.5	.0	.0	.0	.0	.0	3.5	.8
NNE	2	4.3	.7	.0	.0	.0	.0	5.0	1.1
NE	3	5.7	1.4	.0	.0	.0	.0	7.1	1.2
ENE	4	9.2	.7	.0	.0	.0	.0	9.9	1.2
E	5	5.7	4.3	.0	.0	.0	.0	9.9	1.5
ESE	6	5.7	1.4	.0	.0	.0	.0	7.1	1.2
SE	7	3.5	.0	.0	.0	.0	.0	3.5	1.2
SSE	8	7.1	.7	.0	.0	.0	.0	7.8	1.1
S	9	6.4	.0	.0	.0	.0	.0	6.4	1.0
SSW	10	4.3	2.1	.0	.0	.0	.0	6.4	1.5
SW	11	4.3	2.8	.0	.0	.0	.0	7.1	1.4
WSW	12	1.4	.7	.0	.0	.0	.0	2.1	1.3
W	13	2.8	1.4	.0	.0	.0	.0	4.3	1.2
WNW	14	.7	.0	.0	.0	.0	.0	.7	.9
NW	15	1.4	.0	.0	.0	.0	.0	1.4	.6
NNW	16	2.1	.0	.0	.0	.0	.0	2.1	1.0
CALM		15.6						15.6	
TOTAL		83.7	16.3	.0	.0	.0	.0	100.0	1.0

96.8% DATA RECOVERED
19.6% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995

0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	1.4	.0	.0	.0	.0	.0	1.4	.7 N
NNE	2	6.8	.0	.0	.0	.0	.0	6.8	.8 NNE
NE	3	4.1	.0	.0	.0	.0	.0	4.1	.8 NE
ENE	4	12.2	1.4	.0	.0	.0	.0	13.5	.9 ENE
E	5	4.1	.0	.0	.0	.0	.0	4.1	.7 E
ESE	6	2.7	.0	.0	.0	.0	.0	2.7	.9 ESE
SE	7	8.1	1.4	.0	.0	.0	.0	9.5	1.1 SE
SSE	8	5.4	.0	.0	.0	.0	.0	5.4	.9 SSE
S	9	4.1	1.4	.0	.0	.0	.0	5.4	1.3 S
SSW	10	2.7	.0	.0	.0	.0	.0	2.7	1.2 SSW
SW	11	2.7	.0	.0	.0	.0	.0	2.7	1.1 SW
WSW	12	2.7	.0	.0	.0	.0	.0	2.7	.8 WSW
W	13	1.4	1.4	.0	.0	.0	.0	2.7	1.3 W
WNW	14	2.7	.0	.0	.0	.0	.0	2.7	.7 WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0 NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0 NNW
CALM		33.8						33.8	
TOTAL		94.6	5.4	.0	.0	.0	.0	100.0	.6

63.6% DATA RECOVERED
16.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES	
(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995
0 - 2400 (PST)

STABILITY CLASS A
0.5 - 1.5

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	10.3	.0	.0	.0	.0	.0	10.3	.9
NNE	2	10.3	1.7	.0	.0	.0	.0	12.1	1.0
NE	3	6.9	.0	.0	.0	.0	.0	6.9	.9
ENE	4	15.5	.0	.0	.0	.0	.0	15.5	.9
E	5	6.9	.0	.0	.0	.0	.0	6.9	1.0
ESE	6	6.9	3.4	.0	.0	.0	.0	10.3	1.3
SE	7	3.4	.0	.0	.0	.0	.0	3.4	1.3
SSE	8	1.7	3.4	.0	.0	.0	.0	5.2	1.8
S	9	1.7	1.7	.0	.0	.0	.0	3.4	1.7
SSW	10	1.7	.0	.0	.0	.0	.0	1.7	.7
SW	11	1.7	.0	.0	.0	.0	.0	1.7	.9
WSW	12	.0	1.7	.0	.0	.0	.0	1.7	2.2
W	13	1.7	.0	.0	.0	.0	.0	1.7	.7
WNW	14	1.7	.0	.0	.0	.0	.0	1.7	.7
NW	15	.0	.0	.0	.0	.0	.0	.0	.0
NNW	16	1.7	.0	.0	.0	.0	.0	1.7	.9
CALM		15.5						15.5	
TOTAL		87.9	12.1	.0	.0	.0	.0	100.0	.9

67.7% DATA RECOVERED
11.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995

0 - 2400 (PST)

STABILITY CLASS B

1.5 - 2.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	9.4	.0	.0	.0	.0	.0	9.4	1.3	N
NNE	2	6.3	3.1	.0	.0	.0	.0	9.4	1.4	NNE
NE	3	3.1	3.1	.0	.0	.0	.0	6.3	1.8	NE
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0	ENE
E	5	9.4	.0	.0	.0	.0	.0	9.4	1.0	E
ESE	6	6.3	6.3	6.3	.0	.0	.0	18.8	2.3	ESE
SE	7	9.4	.0	3.1	.0	.0	.0	12.5	1.7	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	6.3	3.1	.0	.0	.0	.0	9.4	1.7	S
SSW	10	3.1	.0	.0	.0	.0	.0	3.1	1.0	SSW
SW	11	.0	.0	.0	.0	.0	.0	.0	.0	SW
WSW	12	3.1	.0	.0	.0	.0	.0	3.1	.9	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	3.1	.0	.0	.0	.0	.0	3.1	1.5	WNW
NW	15	3.1	3.1	.0	.0	.0	.0	6.3	2.1	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		9.4						9.4		
TOTAL		71.9	18.8	9.4	.0	.0	.0	100.0	1.5	

100.0% DATA RECOVERED
4.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995
0 - 2400 (PST)

STABILITY CLASS B
1.5 - 2.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	.0	.0	.0	.0	.0	.0	.0
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0
NE	3	2.9	.0	.0	.0	.0	.0	2.9	1.5
ENE	4	5.9	.0	2.9	.0	.0	.0	8.8	1.8
E	5	.0	.0	.0	.0	.0	.0	.0	.0
ESE	6	5.9	2.9	2.9	.0	.0	.0	11.8	1.9
SE	7	5.9	.0	.0	.0	.0	.0	5.9	.9
SSE	8	2.9	5.9	.0	.0	.0	.0	8.8	1.8
S	9	5.9	2.9	.0	.0	.0	.0	8.8	1.3
SSW	10	23.5	2.9	2.9	.0	.0	.0	29.4	1.5
SW	11	2.9	2.9	.0	.0	.0	.0	5.9	2.0
WSW	12	8.8	.0	.0	.0	.0	.0	8.8	1.0
W	13	.0	.0	.0	.0	.0	.0	.0	.0
WNW	14	2.9	.0	.0	.0	.0	.0	2.9	.6
NW	15	.0	.0	.0	.0	.0	.0	.0	.0
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0
CALM		5.9						5.9	
TOTAL		73.5	17.6	8.8	.0	.0	.0	100.0	1.4

100.0% DATA RECOVERED
5.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM WS <= .5
1 .5< WS <= 1.8
2 1.8< WS <= 3.3
3 3.3< WS <= 5.4
4 5.4< WS <= 8.5
5 8.5< WS <=10.8
6 10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995

0 - 2400 (PST)

STABILITY CLASS B

1.5 - 2.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	7.1	.0	.0	.0	7.1	3.7	N
NNE	2	7.1	7.1	10.7	.0	.0	.0	25.0	2.7	NNE
NE	3	7.1	3.6	7.1	.0	.0	.0	17.9	2.5	NE
ENE	4	3.6	.0	.0	.0	.0	.0	3.6	1.6	ENE
E	5	7.1	.0	.0	.0	.0	.0	7.1	1.1	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	3.6	.0	.0	.0	.0	.0	3.6	1.1	SSE
S	9	.0	.0	.0	.0	.0	.0	.0	.0	S
SSW	10	3.6	.0	3.6	.0	.0	.0	7.1	2.2	SSW
SW	11	.0	7.1	3.6	.0	.0	.0	10.7	2.7	SW
WSW	12	.0	.0	.0	.0	.0	.0	.0	.0	WSW
W	13	.0	.0	3.6	.0	.0	.0	3.6	3.4	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	3.6	.0	.0	.0	.0	.0	3.6	1.7	NW
NNW	16	.0	3.6	3.6	.0	.0	.0	7.1	3.3	NNW
CALM		3.6						3.6		
TOTAL		39.3	21.4	39.3	.0	.0	.0	100.0	2.4	

100.0% DATA RECOVERED
3.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995

0 - 2400 (PST)

STABILITY CLASS B

1.5 - 2.5

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	2.9	.0	.0	.0	2.9	3.4	N
NNE	2	2.9	.0	8.6	.0	.0	.0	11.4	2.8	NNE
NE	3	.0	5.7	8.6	.0	.0	.0	14.3	3.6	NE
ENE	4	8.6	2.9	.0	.0	.0	.0	11.4	1.3	ENE
E	5	.0	.0	.0	.0	.0	.0	.0	.0	E
ESE	6	2.9	.0	.0	.0	.0	.0	2.9	.8	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	2.9	.0	.0	.0	.0	.0	2.9	1.4	SSE
S	9	.0	.0	.0	.0	.0	.0	.0	.0	S
SSW	10	.0	11.4	8.6	.0	.0	.0	20.0	3.1	SSW
SW	11	.0	2.9	14.3	.0	.0	.0	17.1	3.5	SW
WSW	12	.0	5.7	2.9	.0	.0	.0	8.6	3.2	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	2.9	.0	.0	.0	2.9	3.4	WNW
NW	15	.0	.0	2.9	.0	.0	.0	2.9	3.6	NW
NNW	16	.0	.0	2.9	.0	.0	.0	2.9	3.5	NNW
CALM		.0						.0		
TOTAL		17.1	28.6	54.3	.0	.0	.0	100.0	2.9	

100.0% DATA RECOVERED
4.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995
0 - 2400 (PST)

STABILITY CLASS B
1.5 - 2.5

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	.0	1.8	.0	.0	.0	1.8	3.5
NNE	2	.0	.0	1.8	.0	.0	.0	1.8	3.8
NE	3	1.8	5.4	.0	.0	.0	.0	7.1	2.7
ENE	4	.0	1.8	1.8	.0	.0	.0	3.6	2.8
E	5	3.6	1.8	.0	.0	.0	.0	5.4	1.8
ESE	6	3.6	.0	.0	.0	.0	.0	3.6	1.6
SE	7	.0	.0	.0	.0	.0	.0	.0	.0
SSE	8	1.8	.0	.0	.0	.0	.0	1.8	.8
S	9	1.8	3.6	.0	.0	.0	.0	5.4	2.5
SSW	10	3.6	3.6	1.8	.0	.0	.0	8.9	2.5
SW	11	1.8	3.6	30.4	.0	.0	.0	35.7	3.4
WSW	12	.0	.0	3.6	.0	.0	.0	3.6	3.5
W	13	.0	3.6	5.4	.0	.0	.0	8.9	3.2
WNW	14	.0	.0	3.6	.0	.0	.0	3.6	3.5
NW	15	.0	3.6	3.6	.0	.0	.0	7.1	3.4
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0
CALM		1.8						1.8	
TOTAL		19.6	26.8	53.6	.0	.0	.0	100.0	3.0

100.0% DATA RECOVERED
7.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995
0 - 2400 (PST)

STABILITY CLASS B
1.5 - 2.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	2.1	.0	2.1	.0	.0	.0	4.2	2.0	N
NNE	2	2.1	4.2	8.3	.0	.0	.0	14.6	3.2	NNE
NE	3	.0	8.3	8.3	.0	.0	.0	16.7	3.4	NE
ENE	4	2.1	2.1	2.1	.0	.0	.0	6.3	2.5	ENE
E	5	4.2	2.1	2.1	.0	.0	.0	8.3	2.5	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	4.2	.0	.0	.0	.0	.0	4.2	1.3	SE
SSE	8	.0	2.1	4.2	.0	.0	.0	6.3	3.6	SSE
S	9	4.2	2.1	2.1	.0	.0	.0	8.3	1.9	S
SSW	10	.0	.0	2.1	.0	.0	.0	2.1	3.6	SSW
SW	11	.0	.0	18.8	.0	.0	.0	18.8	3.6	SW
WSW	12	.0	2.1	.0	.0	.0	.0	2.1	3.1	WSW
W	13	.0	.0	4.2	.0	.0	.0	4.2	3.7	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	2.1	.0	.0	.0	2.1	3.4	NNW
CALM		2.1						2.1		
TOTAL		20.8	22.9	56.3	.0	.0	.0	100.0	2.9	

100.0% DATA RECOVERED
6.7% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995

0 - 2400 (PST)

STABILITY CLASS B

1.5 - 2.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0	NNE
NE	3	.0	.0	3.1	.0	.0	.0	3.1	3.4	NE
ENE	4	3.1	6.3	.0	.0	.0	.0	9.4	2.0	ENE
E	5	.0	3.1	.0	.0	.0	.0	3.1	2.0	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	3.1	.0	.0	.0	.0	.0	3.1	.7	S
SSW	10	.0	6.3	21.9	.0	.0	.0	28.1	3.4	SSW
SW	11	3.1	6.3	28.1	.0	.0	.0	37.5	3.3	SW
WSW	12	.0	6.3	9.4	.0	.0	.0	15.6	3.4	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		.0						.0		
TOTAL		9.4	28.1	62.5	.0	.0	.0	100.0	3.1	

96.9% DATA RECOVERED
4.4% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995

0 - 2400 (PST)

STABILITY CLASS B
1.5 - 2.5

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	3.8	.0	.0	.0	.0	.0	3.8	1.3	N
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0	NNE
NE	3	3.8	.0	.0	.0	.0	.0	3.8	1.5	NE
ENE	4	.0	7.7	.0	.0	.0	.0	7.7	2.7	ENE
E	5	7.7	.0	.0	.0	.0	.0	7.7	1.3	E
ESE	6	.0	3.8	.0	.0	.0	.0	3.8	3.1	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	11.5	.0	.0	.0	.0	11.5	2.9	SSE
S	9	3.8	.0	3.8	.0	.0	.0	7.7	2.6	S
SSW	10	.0	11.5	7.7	.0	.0	.0	19.2	3.3	SSW
SW	11	.0	7.7	7.7	.0	.0	.0	15.4	3.5	SW
WSW	12	.0	3.8	11.5	.0	.0	.0	15.4	3.5	WSW
W	13	.0	3.8	.0	.0	.0	.0	3.8	3.2	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		.0						.0		
TOTAL		19.2	50.0	30.8	.0	.0	.0	100.0	2.9	

99.5% DATA RECOVERED
3.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995

0 - 2400 (PST)

STABILITY CLASS B

1.5 - 2.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	4.2	.0	.0	.0	.0	4.2	3.1
NNE	2	.0	4.2	.0	.0	.0	.0	4.2	3.0
NE	3	12.5	.0	.0	.0	.0	.0	12.5	1.0
ENE	4	8.3	.0	.0	.0	.0	.0	8.3	1.0
E	5	.0	.0	8.3	.0	.0	.0	8.3	3.7
ESE	6	.0	4.2	.0	.0	.0	.0	4.2	3.2
SE	7	.0	.0	.0	.0	.0	.0	.0	.0
SSE	8	4.2	.0	.0	.0	.0	.0	4.2	.7
S	9	.0	.0	4.2	.0	.0	.0	4.2	3.4
SSW	10	8.3	.0	4.2	.0	.0	.0	12.5	1.8
SW	11	4.2	4.2	12.5	.0	.0	.0	20.8	3.1
WSW	12	.0	4.2	8.3	.0	.0	.0	12.5	3.3
W	13	.0	.0	.0	.0	.0	.0	.0	.0
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0
NW	15	.0	.0	.0	.0	.0	.0	.0	.0
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0
CALM		4.2						4.2	
TOTAL		41.7	20.8	37.5	.0	.0	.0	100.0	2.4

83.5% DATA RECOVERED
4.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995

0 - 2400 (PST)

STABILITY CLASS B

1.5 - 2.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N
NNE	2	4.0	.0	.0	.0	.0	.0	4.0	.7	NNE
NE	3	.0	.0	4.0	.0	.0	.0	4.0	3.5	NE
ENE	4	4.0	4.0	.0	.0	.0	.0	8.0	1.3	ENE
E	5	16.0	12.0	.0	.0	.0	.0	28.0	1.7	E
ESE	6	4.0	.0	.0	.0	.0	.0	4.0	.8	ESE
SE	7	8.0	.0	.0	.0	.0	.0	8.0	.9	SE
SSE	8	.0	.0	4.0	.0	.0	.0	4.0	3.6	SSE
S	9	4.0	.0	.0	.0	.0	.0	4.0	1.1	S
SSW	10	4.0	8.0	.0	.0	.0	.0	12.0	2.6	SSW
SW	11	.0	.0	12.0	.0	.0	.0	12.0	3.6	SW
WSW	12	.0	.0	.0	.0	.0	.0	.0	.0	WSW
W	13	.0	.0	4.0	.0	.0	.0	4.0	3.4	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	4.0	.0	.0	.0	.0	.0	4.0	.9	NW
NNW	16	4.0	.0	.0	.0	.0	.0	4.0	1.2	NNW
CALM		.0						.0		
TOTAL		52.0	24.0	24.0	.0	.0	.0	100.0	2.0	

96.8% DATA RECOVERED
3.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

	(MPS)
CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995
0 - 2400 (PST)

STABILITY CLASS B
1.5 - 2.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	8.0	.0	.0	.0	.0	8.0	3.2	N
NNE	2	.0	.0	4.0	.0	.0	.0	4.0	3.9	NNE
NE	3	4.0	4.0	.0	.0	.0	.0	8.0	1.8	NE
ENE	4	12.0	.0	.0	.0	.0	.0	12.0	.9	ENE
E	5	16.0	.0	.0	.0	.0	.0	16.0	1.1	E
ESE	6	8.0	.0	.0	.0	.0	.0	8.0	.9	ESE
SE	7	12.0	.0	.0	.0	.0	.0	12.0	1.0	SE
SSE	8	4.0	.0	.0	.0	.0	.0	4.0	.9	SSE
S	9	4.0	.0	.0	.0	.0	.0	4.0	.9	S
SSW	10	.0	.0	.0	.0	.0	.0	.0	.0	SSW
SW	11	.0	4.0	.0	.0	.0	.0	4.0	3.3	SW
WSW	12	8.0	.0	.0	.0	.0	.0	8.0	.9	WSW
W	13	.0	.0	4.0	.0	.0	.0	4.0	3.6	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	4.0	.0	.0	.0	4.0	3.5	NNW
CALM		4.0						4.0		
TOTAL		72.0	16.0	12.0	.0	.0	.0	100.0	1.6	

63.6% DATA RECOVERED
5.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995
0 - 2400 (PST)

STABILITY CLASS B
1.5 - 2.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	5.6	.0	.0	.0	.0	.0	5.6	.7 N
NNE	2	5.6	.0	.0	.0	.0	.0	5.6	.9 NNE
NE	3	16.7	.0	.0	.0	.0	.0	16.7	.7 NE
ENE	4	16.7	5.6	.0	.0	.0	.0	22.2	1.1 ENE
E	5	5.6	.0	.0	.0	.0	.0	5.6	.5 E
ESE	6	11.1	.0	.0	.0	.0	.0	11.1	1.3 ESE
SE	7	5.6	.0	.0	.0	.0	.0	5.6	.9 SE
SSE	8	5.6	.0	.0	.0	.0	.0	5.6	1.1 SSE
S	9	.0	.0	.0	.0	.0	.0	.0	.0 S
SSW	10	.0	.0	.0	.0	.0	.0	.0	.0 SSW
SW	11	.0	.0	.0	.0	.0	.0	.0	.0 SW
WSW	12	.0	.0	.0	.0	.0	.0	.0	.0 WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0 W
WNW	14	.0	5.6	.0	.0	.0	.0	5.6	2.0 WNW
NW	15	5.6	.0	.0	.0	.0	.0	5.6	1.2 NW
NNW	16	5.6	.0	.0	.0	.0	.0	5.6	1.0 NNW
CALM		5.6						5.6	
TOTAL		88.9	11.1	.0	.0	.0	.0	100.0	1.0

67.7% DATA RECOVERED
3.6% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	2.6	2.6	.0	.0	.0	.0	5.3	1.7	N
NNE	2	.0	.0	2.6	.0	.0	.0	2.6	5.0	NNE
NE	3	.0	.0	.0	.0	.0	.0	.0	.0	NE
ENE	4	5.3	5.3	.0	.0	.0	.0	10.5	1.8	ENE
E	5	2.6	2.6	2.6	.0	.0	.0	7.9	2.9	E
ESE	6	2.6	2.6	2.6	.0	.0	.0	7.9	2.2	ESE
SE	7	2.6	5.3	5.3	.0	.0	.0	13.2	3.1	SE
SSE	8	10.5	.0	2.6	.0	.0	.0	13.2	1.5	SSE
S	9	2.6	.0	.0	.0	.0	.0	2.6	1.2	S
SSW	10	2.6	.0	.0	.0	.0	.0	2.6	.8	SSW
SW	11	7.9	2.6	2.6	2.6	.0	.0	15.8	2.5	SW
WSW	12	2.6	.0	2.6	.0	.0	.0	5.3	2.5	WSW
W	13	.0	.0	5.3	.0	.0	.0	5.3	4.5	W
WNW	14	2.6	.0	.0	.0	.0	.0	2.6	.7	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		5.3						5.3		
<hr/>										
TOTAL		50.0	21.1	26.3	2.6	.0	.0	100.0	2.2	

100.0% DATA RECOVERED
5.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	.0	.0	.0	.0	.0	.0	.0
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0
NE	3	3.4	3.4	.0	.0	.0	.0	6.9	2.0
ENE	4	.0	.0	3.4	.0	.0	.0	3.4	4.5
E	5	3.4	.0	.0	.0	.0	.0	3.4	1.3
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0
SE	7	6.9	.0	.0	.0	.0	.0	6.9	.7
SSE	8	6.9	.0	.0	.0	.0	.0	6.9	1.0
S	9	13.8	6.9	.0	.0	.0	.0	20.7	1.3
SSW	10	6.9	10.3	6.9	.0	.0	.0	24.1	2.4
SW	11	6.9	.0	10.3	.0	.0	.0	17.2	2.6
WSW	12	3.4	.0	3.4	.0	.0	.0	6.9	2.6
W	13	.0	.0	.0	.0	.0	.0	.0	.0
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0
NW	15	.0	.0	.0	.0	.0	.0	.0	.0
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0
CALM		3.4						3.4	

TOTAL		55.2	20.7	24.1	.0	.0	.0	100.0	1.9

100.0% DATA RECOVERED
4.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)		
WIND DIR	SECTOR	1	2	3	4	5	6				
N	1	.0	3.1	12.5	9.4	.0	.0	25.0	4.9	N	
NNE	2	.0	.0	6.3	.0	.0	.0	6.3	4.2	NNE	
NE	3	.0	.0	3.1	.0	.0	.0	3.1	4.7	NE	
ENE	4	3.1	.0	.0	.0	.0	.0	3.1	1.0	ENE	
E	5	6.3	.0	.0	.0	.0	.0	6.3	1.0	E	
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE	
SE	7	9.4	3.1	.0	.0	.0	.0	12.5	1.4	SE	
SSE	8	.0	.0	3.1	.0	.0	.0	3.1	3.5	SSE	
S	9	3.1	.0	.0	.0	.0	.0	3.1	1.3	S	
SSW	10	6.3	.0	3.1	.0	.0	.0	9.4	2.7	SSW	
SW	11	3.1	.0	3.1	.0	.0	.0	6.3	2.7	SW	
WSW	12	.0	6.3	9.4	.0	.0	.0	15.6	3.7	WSW	
W	13	.0	3.1	.0	.0	.0	.0	3.1	2.0	W	
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW	
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW	
NNW	16	.0	.0	3.1	.0	.0	.0	3.1	4.4	NNW	
CALM		.0						.0			
TOTAL		31.3	15.6	43.8	9.4	.0	.0	100.0	3.3		

100.0% DATA RECOVERED
4.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995

0 - 2400 (PST)

STABILITY CLASS C

2.5 - 3.5

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	1.9	11.1	1.9	.0	.0	14.8	4.6	N
NNE	2	.0	.0	13.0	.0	.0	.0	13.0	4.5	NNE
NE	3	.0	.0	9.3	.0	.0	.0	9.3	4.6	NE
ENE	4	.0	.0	3.7	.0	.0	.0	3.7	3.4	ENE
E	5	.0	.0	.0	.0	.0	.0	.0	.0	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	1.9	.0	.0	.0	.0	1.9	3.1	SSE
S	9	1.9	.0	.0	.0	.0	.0	1.9	.8	S
SSW	10	.0	.0	9.3	1.9	.0	.0	11.1	4.4	SSW
SW	11	.0	.0	24.1	3.7	.0	.0	27.8	4.9	SW
WSW	12	.0	1.9	9.3	3.7	.0	.0	14.8	4.4	WSW
W	13	.0	.0	1.9	.0	.0	.0	1.9	4.4	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		.0						.0		
TOTAL		1.9	5.6	81.5	11.1	.0	.0	100.0	4.5	

100.0% DATA RECOVERED
7.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	1.3	.0	.0	.0	1.3	4.1	N
NNE	2	.0	.0	2.7	1.3	.0	.0	4.0	4.4	NNE
NE	3	.0	.0	2.7	.0	.0	.0	2.7	4.3	NE
ENE	4	.0	1.3	2.7	1.3	.0	.0	5.3	4.2	ENE
E	5	1.3	1.3	.0	.0	.0	.0	2.7	2.1	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	1.3	.0	.0	.0	.0	.0	1.3	1.5	S
SSW	10	1.3	.0	10.7	2.7	.0	.0	14.7	4.3	SSW
SW	11	.0	.0	24.0	6.7	.0	.0	30.7	4.7	SW
WSW	12	.0	.0	9.3	2.7	.0	.0	12.0	4.7	WSW
W	13	.0	.0	5.3	.0	.0	.0	5.3	4.2	W
WNW	14	.0	.0	2.7	.0	.0	.0	2.7	4.0	WNW
NW	15	.0	.0	6.7	.0	.0	.0	6.7	4.8	NW
NNW	16	.0	.0	6.7	4.0	.0	.0	10.7	5.0	NNW
CALM		.0						.0		
TOTAL		4.0	2.7	74.7	18.7	.0	.0	100.0	4.5	

100.0% DATA RECOVERED
10.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N
NNE	2	.0	.0	3.8	.0	.0	.0	3.8	3.7	NNE
NE	3	.0	.0	1.9	.0	.0	.0	1.9	4.6	NE
ENE	4	1.9	.0	1.9	.0	.0	.0	3.8	2.9	ENE
E	5	.0	1.9	.0	.0	.0	.0	1.9	1.8	E
ESE	6	.0	.0	1.9	.0	.0	.0	1.9	3.3	ESE
SE	7	1.9	.0	1.9	3.8	.0	.0	7.7	4.2	SE
SSE	8	.0	.0	.0	1.9	.0	.0	1.9	5.6	SSE
S	9	1.9	.0	3.8	.0	.0	.0	5.8	3.2	S
SSW	10	1.9	1.9	3.8	1.9	.0	.0	9.6	3.7	SSW
SW	11	1.9	.0	28.8	17.3	.0	.0	48.1	5.0	SW
WSW	12	.0	.0	.0	1.9	.0	.0	1.9	5.9	WSW
W	13	.0	.0	7.7	.0	.0	.0	7.7	4.6	W
WNW	14	.0	.0	1.9	.0	.0	.0	1.9	4.4	WNW
NW	15	.0	.0	1.9	.0	.0	.0	1.9	4.4	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		.0						.0		
TOTAL		9.6	3.8	59.6	26.9	.0	.0	100.0	4.5	

100.0% DATA RECOVERED
7.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)		
WIND DIR	SECTOR	1	2	3	4	5	6				
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N	
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0	NNE	
NE	3	.0	.0	.0	.0	.0	.0	.0	.0	NE	
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0	ENE	
E	5	2.0	2.0	.0	.0	.0	.0	4.1	2.1	E	
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE	
SE	7	2.0	.0	2.0	.0	.0	.0	4.1	2.8	SE	
SSE	8	.0	.0	4.1	.0	.0	.0	4.1	4.0	SSE	
S	9	.0	2.0	2.0	.0	.0	.0	4.1	3.6	S	
SSW	10	.0	.0	6.1	2.0	.0	.0	8.2	5.0	SSW	
SW	11	.0	.0	34.7	22.4	.0	.0	57.1	5.0	SW	
WSW	12	.0	.0	8.2	2.0	.0	.0	10.2	4.6	WSW	
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W	
WNW	14	.0	.0	.0	2.0	.0	.0	2.0	5.6	WNW	
NW	15	.0	.0	2.0	2.0	.0	.0	4.1	5.5	NW	
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW	
CALM		2.0						2.0			
TOTAL		6.1	4.1	59.2	30.6	.0	.0	100.0	4.6		

96.9% DATA RECOVERED
6.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES		(MPS)
CALM	WS	<= .5
1	.5< WS	<= 1.8
2	1.8< WS	<= 3.3
3	3.3< WS	<= 5.4
4	5.4< WS	<= 8.5
5	8.5< WS	<=10.8
6	10.8< WS	

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995

0 - 2400 (PST)

STABILITY CLASS C

2.5 - 3.5

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	.0	.0	.0	.0	.0	.0	.0	.0
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0
NE	3	3.2	.0	.0	.0	.0	.0	3.2	1.2
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0
E	5	.0	3.2	.0	.0	.0	.0	3.2	2.4
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0
SE	7	.0	.0	3.2	.0	.0	.0	3.2	3.9
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0
S	9	3.2	.0	3.2	3.2	.0	.0	9.7	4.1
SSW	10	.0	.0	16.1	.0	.0	.0	16.1	4.4
SW	11	.0	.0	25.8	19.4	.0	.0	45.2	5.4
WSW	12	.0	3.2	6.5	.0	.0	.0	9.7	4.2
W	13	.0	.0	.0	.0	.0	.0	.0	.0
WNW	14	.0	3.2	.0	.0	.0	.0	3.2	2.2
NW	15	.0	.0	.0	.0	.0	.0	.0	.0
NNW	16	.0	3.2	.0	.0	.0	.0	3.2	1.9
CALM		3.2						3.2	
TOTAL		9.7	12.9	54.8	22.6	.0	.0	100.0	4.3

99.5% DATA RECOVERED
4.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES (MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995
0 - 2400 (PST)

STABILITY CLASS C
2.5 - 3.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	6.1	.0	.0	.0	6.1	4.4	N
NNE	2	.0	.0	3.0	.0	.0	.0	3.0	4.5	NNE
NE	3	.0	.0	3.0	.0	.0	.0	3.0	4.9	NE
ENE	4	6.1	.0	.0	.0	.0	.0	6.1	1.3	ENE
E	5	6.1	.0	.0	.0	.0	.0	6.1	1.2	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	3.0	.0	.0	.0	3.0	4.1	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	.0	.0	9.1	.0	.0	.0	9.1	4.6	S
SSW	10	.0	.0	6.1	.0	.0	.0	6.1	5.3	SSW
SW	11	3.0	3.0	36.4	12.1	.0	.0	54.5	4.6	SW
WSW	12	.0	.0	3.0	.0	.0	.0	3.0	4.6	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		.0						.0		
TOTAL		15.2	3.0	69.7	12.1	.0	.0	100.0	4.2	

83.5% DATA RECOVERED
5.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995

0 - 2400 (PST)

STABILITY CLASS C

2.5 - 3.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	.0	.0	.0	.0	.0	.0	N
NNE	2	2.9	.0	2.9	5.9	.0	.0	11.8	4.2	NNE
NE	3	2.9	.0	5.9	.0	.0	.0	8.8	3.1	NE
ENE	4	2.9	2.9	2.9	.0	.0	.0	8.8	2.6	ENE
E	5	2.9	.0	2.9	.0	.0	.0	5.9	2.2	E
ESE	6	2.9	2.9	.0	.0	.0	.0	5.9	1.5	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	5.9	.0	.0	.0	.0	.0	5.9	1.2	SSE
S	9	.0	.0	.0	.0	.0	.0	.0	.0	S
SSW	10	2.9	8.8	2.9	.0	.0	.0	14.7	2.3	SSW
SW	11	2.9	.0	20.6	2.9	.0	.0	26.5	4.3	SW
WSW	12	.0	2.9	8.8	.0	.0	.0	11.8	3.9	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		.0						.0		
TOTAL		26.5	17.6	47.1	8.8	.0	.0	100.0	3.2	

96.8% DATA RECOVERED
4.7% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPIRIT TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995

0 - 2400 (PST)

STABILITY CLASS C

2.5 - 3.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	.0	12.0	.0	.0	.0	12.0	4.6	N
NNE	2	.0	4.0	4.0	.0	.0	.0	8.0	3.3	NNE
NE	3	4.0	4.0	.0	.0	.0	.0	8.0	1.9	NE
ENE	4	12.0	.0	.0	.0	.0	.0	12.0	1.1	ENE
E	5	8.0	4.0	.0	.0	.0	.0	12.0	1.5	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	4.0	.0	.0	.0	.0	.0	4.0	1.7	S
SSW	10	.0	.0	.0	.0	.0	.0	.0	.0	SSW
SW	11	.0	12.0	20.0	.0	.0	.0	32.0	3.8	SW
WSW	12	.0	4.0	.0	.0	.0	.0	4.0	2.6	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	4.0	4.0	.0	.0	8.0	5.2	NNW
CALM		.0						.0		
TOTAL		28.0	28.0	40.0	4.0	.0	.0	100.0	3.1	

63.6% DATA RECOVERED
5.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES	
(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995

0 - 2400 (PST)

STABILITY CLASS C

2.5 - 3.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	5.3	5.3	.0	.0	10.5	5.2	N
NNE	2	.0	.0	.0	5.3	.0	.0	5.3	5.6	NNE
NE	3	5.3	.0	5.3	.0	.0	.0	10.5	2.1	NE
ENE	4	15.8	10.5	.0	.0	.0	.0	26.3	1.5	ENE
E	5	15.8	.0	.0	.0	.0	.0	15.8	1.4	E
ESE	6	5.3	.0	.0	.0	.0	.0	5.3	1.1	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	15.8	.0	.0	.0	.0	.0	15.8	1.3	S
SSW	10	.0	.0	.0	.0	.0	.0	.0	.0	SSW
SW	11	.0	.0	.0	.0	.0	.0	.0	.0	SW
WSW	12	.0	.0	.0	.0	.0	.0	.0	.0	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	5.3	.0	.0	.0	.0	.0	5.3	.7	NNW
CALM		5.3						5.3		
TOTAL		68.4	10.5	10.5	10.5	.0	.0	100.0	2.0	

67.7% DATA RECOVERED
3.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	1.0	1.5	.0	.0	.0	.0	2.6	1.9	N
NNE	2	.5	.0	3.1	.0	.0	.0	3.6	4.2	NNE
NE	3	1.0	2.0	2.6	.5	.0	.0	6.1	3.4	NE
ENE	4	.5	1.5	.0	.0	.0	.0	2.0	1.9	ENE
E	5	1.5	1.0	.5	.0	.0	.0	3.1	2.3	E
ESE	6	.5	1.0	1.0	.0	.0	.0	2.6	2.8	ESE
SE	7	.0	.0	2.6	2.6	.0	.0	5.1	5.0	SE
SSE	8	.5	1.5	1.5	.0	.0	.0	3.6	3.0	SSE
S	9	3.1	.5	2.0	.0	.0	.0	5.6	2.2	S
SSW	10	1.5	2.0	.5	2.0	5.1	.0	11.2	6.6	SSW
SW	11	5.1	3.1	1.0	8.7	.0	.0	17.9	4.5	SW
WSW	12	3.6	1.0	1.5	1.0	.0	.0	7.1	3.0	WSW
W	13	4.1	1.0	.0	.5	.0	.0	5.6	2.0	W
WNW	14	2.0	3.6	1.0	.0	.0	.0	6.6	2.5	WNW
NW	15	.5	9.2	4.1	.0	.0	.0	13.8	3.0	NW
NNW	16	.0	2.0	.5	.5	.0	.0	3.1	3.9	NNW
CALM		.5						.5		
TOTAL		26.0	31.1	21.9	15.8	5.1	.0	100.0	3.6	

100.0% DATA RECOVERED
26.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995

0 - 2400 (PST)

STABILITY CLASS D

3.5 - 4.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.9	.9	.0	.0	.0	1.7	3.6	N
NNE	2	.0	1.7	5.2	1.7	.0	.0	8.6	4.7	NNE
NE	3	.9	.0	.9	.9	.0	.0	2.6	4.0	NE
ENE	4	1.7	.0	.9	.0	.0	.0	2.6	2.5	ENE
E	5	.9	.0	2.6	1.7	.0	.0	5.2	4.4	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	1.7	.9	.0	.0	.0	.0	2.6	1.9	SE
SSE	8	.9	.9	.0	.0	.0	.0	1.7	1.9	SSE
S	9	1.7	.0	.9	.0	.0	.0	2.6	2.4	S
SSW	10	3.4	.9	.9	1.7	1.7	13.8	22.4	9.3	SSW
SW	11	4.3	4.3	4.3	11.2	2.6	3.4	30.2	5.9	SW
WSW	12	.9	.9	3.4	6.0	.0	.0	11.2	5.4	WSW
W	13	.0	2.6	.9	.0	.0	.0	3.4	2.9	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	.0	1.7	.0	.0	.0	1.7	3.9	NW
NNW	16	.0	.9	1.7	.0	.0	.0	2.6	4.1	NNW
CALM		.9						.9		
TOTAL		17.2	13.8	24.1	23.3	4.3	17.2	100.0	5.8	

100.0% DATA RECOVERED
17.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)		
WIND DIR	SECTOR	1	2	3	4	5	6				
N	1	.0	.0	1.3	.9	.0	.0	2.1	5.1	N	
NNE	2	.0	.4	3.0	5.6	.0	.0	9.0	5.9	NNE	
NE	3	.0	.4	.4	4.3	.0	.0	5.2	6.0	NE	
ENE	4	.0	.9	.0	.0	.0	.0	.9	2.3	ENE	
E	5	.0	.4	.0	.0	.0	.0	.4	2.8	E	
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE	
SE	7	.0	.0	.4	.4	.0	.0	.9	4.6	SE	
SSE	8	.4	.4	.0	1.3	.0	.0	2.1	4.4	SSE	
S	9	.0	.0	.9	2.6	.0	.0	3.4	5.8	S	
SSW	10	1.3	.4	2.1	6.4	8.6	10.7	29.6	9.5	SSW	
SW	11	2.6	5.2	6.4	7.3	7.3	2.6	31.3	6.2	SW	
WSW	12	.9	1.7	2.6	.9	.0	.0	6.0	3.7	WSW	
W	13	.4	.9	.4	.0	.4	.0	2.1	4.2	W	
WNW	14	.0	.9	.0	.4	.0	.0	1.3	3.8	WNW	
NW	15	.9	1.3	.4	1.3	.0	.0	3.9	3.7	NW	
NNW	16	.0	.9	.0	.9	.0	.0	1.7	4.7	NNW	
CALM		.0						.0			
TOTAL		6.4	13.7	18.0	32.2	16.3	13.3	100.0	6.7		

100.0% DATA RECOVERED
31.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	.4	4.2	1.1	.0	5.7	7.6	N
NNE	2	.0	1.9	2.3	9.2	2.7	.8	16.9	6.7	NNE
NE	3	.8	1.5	3.8	3.1	.4	.0	9.6	4.5	NE
ENE	4	.0	1.1	2.3	.0	.0	.0	3.4	3.8	ENE
E	5	.0	.0	.0	.0	.0	.0	.0	.0	E
ESE	6	.4	.0	.0	.0	.0	.0	.4	.8	ESE
SE	7	.0	.4	.0	.0	.0	.0	.4	2.9	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	.0	1.1	.4	.0	.0	.0	1.5	3.5	S
SSW	10	.4	1.5	2.3	5.0	2.3	3.4	14.9	8.2	SSW
SW	11	1.1	2.3	4.2	17.6	6.9	2.3	34.5	7.0	SW
WSW	12	.0	.0	3.1	1.1	.0	.0	4.2	4.9	WSW
W	13	.4	1.1	.4	.0	.0	.0	1.9	2.8	W
WNW	14	.8	.8	.8	.0	.0	.0	2.3	2.7	WNW
NW	15	.0	.4	.8	.0	.0	.0	1.1	3.6	NW
NNW	16	.0	.0	.0	1.1	1.1	.8	3.1	9.0	NNW
CALM		.0						.0		
TOTAL		3.8	12.3	20.7	41.4	14.6	7.3	100.0	6.5	

100.0% DATA RECOVERED
36.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	.0	.5	.5	.0	.0	.9	6.0	N
NNE	2	.5	1.4	1.4	.5	.0	.0	3.8	3.8	NNE
NE	3	.0	.9	.0	1.4	.0	.0	2.4	4.8	NE
ENE	4	.5	.5	.0	.0	.0	.0	.9	2.1	ENE
E	5	.5	.9	.0	.0	.0	.0	1.4	2.6	E
ESE	6	.0	.0	.5	.0	.0	.0	.5	3.9	ESE
SE	7	.0	.5	.0	.0	.0	.0	.5	3.2	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	.5	.0	.0	.0	.0	.0	.5	1.7	S
SSW	10	.5	4.2	.9	2.4	1.9	3.8	13.7	6.9	SSW
SW	11	.9	4.7	8.5	17.9	4.7	4.7	41.5	6.6	SW
WSW	12	.9	1.4	8.5	7.5	.9	.0	19.3	5.2	WSW
W	13	.5	1.4	2.4	1.9	.0	.0	6.1	4.5	W
WNW	14	.0	.5	.5	.5	.0	.0	1.4	4.8	WNW
NW	15	.5	.5	.5	1.9	.0	.0	3.3	5.2	NW
NNW	16	.9	.9	.9	.9	.0	.0	3.8	3.8	NNW
CALM		.0						.0		
TOTAL		6.1	17.9	24.5	35.4	7.5	8.5	100.0	5.8	

100.0% DATA RECOVERED
28.5% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995

0 - 2400 (PST)

STABILITY CLASS D

3.5 - 4.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	1.7	2.1	1.3	1.7	6.9	7.8	N
NNE	2	.0	1.7	2.6	3.0	.9	.9	9.0	6.2	NNE
NE	3	.0	1.3	.9	.9	.4	.0	3.4	5.3	NE
ENE	4	.4	.0	1.3	.0	.0	.0	1.7	3.3	ENE
E	5	.0	.0	.9	.4	.0	.0	1.3	5.0	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.4	.0	.0	.4	5.9	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	.4	.9	.0	.0	.0	.0	1.3	2.2	S
SSW	10	.4	3.9	2.1	7.7	6.0	5.6	25.8	7.6	SSW
SW	11	1.3	3.9	6.0	13.7	8.2	2.6	35.6	6.7	SW
WSW	12	.9	1.7	.4	4.7	.4	.0	8.2	5.3	WSW
W	13	.0	.4	.0	.0	.0	.0	.4	3.1	W
WNW	14	.4	.0	.9	.4	.0	.0	1.7	4.3	WNW
NW	15	.0	.9	.0	.4	.0	.0	1.3	4.3	NW
NNW	16	.0	.4	1.3	.9	.0	.4	3.0	6.1	NNW
CALM		.0						.0		
TOTAL		3.9	15.0	18.0	34.8	17.2	11.2	100.0	6.6	

100.0% DATA RECOVERED
32.4% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995

0 - 2400 (PST)

STABILITY CLASS D

3.5 - 4.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.5	2.4	1.4	.0	.0	4.3	5.4	N
NNE	2	.0	.5	1.4	.5	.0	.0	2.4	4.1	NNE
NE	3	.5	1.9	.5	.0	.0	.0	2.8	2.5	NE
ENE	4	.0	.5	.0	.0	.0	.0	.5	2.2	ENE
E	5	.0	.0	.0	.5	.0	.0	.5	6.6	E
ESE	6	.0	.0	.0	.5	.0	.0	.5	5.6	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	.5	.5	.5	.9	.0	.0	2.4	4.3	S
SSW	10	.0	1.4	1.9	7.6	12.3	.5	23.7	8.1	SSW
SW	11	.9	3.8	3.8	35.1	9.0	.0	52.6	6.7	SW
WSW	12	.5	1.4	.5	2.8	.0	.0	5.2	5.0	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.5	.0	.0	.0	.5	4.8	WNW
NW	15	.0	.0	.5	2.4	.0	.0	2.8	6.8	NW
NNW	16	.0	.5	.0	1.4	.0	.0	1.9	5.9	NNW
CALM		.0						.0		
TOTAL		2.4	10.9	11.8	53.1	21.3	.5	100.0	6.6	

96.9% DATA RECOVERED
29.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995

0 - 2400 (PST)

STABILITY CLASS D

3.5 - 4.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.8	.0	.0	.0	.0	.0	.8	1.4	N
NNE	2	.8	1.2	.0	.0	.0	.0	2.0	2.0	NNE
NE	3	.0	3.1	.4	.0	.0	.0	3.5	2.6	NE
ENE	4	.0	.4	.0	.0	.0	.0	.4	2.6	ENE
E	5	.0	.0	.0	.0	.0	.0	.0	.0	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.8	.4	.0	.0	.0	1.2	3.2	SE
SSE	8	.0	.0	.4	.4	.0	.0	.8	5.5	SSE
S	9	.0	1.2	.4	.8	.0	.0	2.4	4.1	S
SSW	10	.4	.8	2.0	9.4	11.4	.0	24.0	7.9	SSW
SW	11	.4	3.5	4.3	30.7	12.6	3.9	55.5	7.5	SW
WSW	12	.8	2.4	3.1	2.0	.4	.0	8.7	4.1	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.4	.0	.0	.0	.0	.0	.4	1.4	NW
NNW	16	.0	.4	.0	.0	.0	.0	.4	2.6	NNW
CALM		.0						.0		
TOTAL		3.5	13.8	11.0	43.3	24.4	3.9	100.0	6.7	

99.5% DATA RECOVERED
34.3% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

		WIND SPEED CLASS						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	.7	.0	.0	.0	.0	.7	2.5	N
NNE	2	.7	2.0	.7	5.4	2.0	.0	10.8	6.4	NNE
NE	3	.7	1.4	.7	.0	.0	.0	2.7	2.3	NE
ENE	4	.0	.7	.0	.0	.0	.0	.7	3.0	ENE
E	5	.0	.0	1.4	.0	.0	.0	1.4	3.7	E
ESE	6	.0	.0	.7	.0	.0	.0	.7	4.0	ESE
SE	7	.0	2.0	2.0	2.7	.0	.0	6.8	4.6	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	.0	.0	.0	.0	.0	.0	.0	.0	S
SSW	10	.0	2.0	.7	2.0	1.4	.0	6.1	5.6	SSW
SW	11	.0	6.1	7.4	35.8	8.1	1.4	58.8	6.7	SW
WSW	12	.7	.0	2.7	2.7	.0	.0	6.1	5.4	WSW
W	13	.0	.7	.7	.0	.0	.0	1.4	3.1	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	2.0	.7	.0	.0	.0	2.7	2.8	NW
NNW	16	.0	1.4	.0	.0	.0	.0	1.4	2.8	NNW
CALM		.0						.0		
TOTAL		2.0	18.9	17.6	48.6	11.5	1.4	100.0	5.9	

83.5% DATA RECOVERED
24.6% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995

0 - 2400 (PST)

STABILITY CLASS D

3.5 - 4.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.7	.0	1.4	6.4	.7	.0	9.2	6.0	N
NNE	2	.7	.0	1.4	18.4	7.1	1.4	29.1	7.6	NNE
NE	3	.7	2.1	1.4	2.1	.0	.0	6.4	4.1	NE
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0	ENE
E	5	.7	.7	.0	.0	.0	.0	1.4	1.8	E
ESE	6	.0	.7	.0	.0	.0	.0	.7	2.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.7	.0	.0	.0	.0	.0	.7	1.5	SSE
S	9	.0	.0	.0	.0	.0	.0	.0	.0	S
SSW	10	.0	3.5	1.4	1.4	.7	.0	7.1	4.5	SSW
SW	11	.7	6.4	9.9	14.2	1.4	.0	32.6	5.4	SW
WSW	12	.0	2.1	3.5	.0	.0	.0	5.7	3.7	WSW
W	13	.7	.0	.0	.0	.0	.0	.7	1.5	W
WNW	14	.7	.0	.7	.0	.0	.0	1.4	2.9	WNW
NW	15	.0	.0	.0	.0	.7	.0	.7	9.4	NW
NNW	16	.0	2.1	.0	1.4	.7	.0	4.3	5.1	NNW
CALM		.0						.0		
TOTAL		5.7	17.7	19.9	44.0	11.3	1.4	100.0	5.7	

96.8% DATA RECOVERED
19.6% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995
0 - 2400 (PST)

STABILITY CLASS D
3.5 - 4.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	.0	1.5	8.8	.0	.0	10.3	6.2	N
NNE	2	.0	4.4	5.9	4.4	.0	.0	14.7	4.9	NNE
NE	3	.0	1.5	1.5	.0	.0	.0	2.9	3.2	NE
ENE	4	4.4	.0	.0	.0	.0	.0	4.4	1.4	ENE
E	5	1.5	1.5	.0	.0	.0	.0	2.9	1.8	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	1.5	.0	.0	.0	.0	.0	1.5	1.7	SE
SSE	8	1.5	.0	.0	.0	.0	.0	1.5	1.3	SSE
S	9	.0	.0	1.5	.0	.0	.0	1.5	5.2	S
SSW	10	.0	5.9	1.5	.0	.0	.0	7.4	3.1	SSW
SW	11	1.5	8.8	8.8	14.7	.0	.0	33.8	4.5	SW
WSW	12	.0	2.9	4.4	1.5	.0	.0	8.8	4.1	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	1.5	.0	.0	.0	.0	1.5	2.5	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	1.5	5.9	.0	1.5	8.8	7.7	NNW
CALM		.0						.0		
TOTAL		10.3	26.5	26.5	35.3	.0	1.5	100.0	4.5	

63.6% DATA RECOVERED
14.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995

0 - 2400 (PST)

STABILITY CLASS D

3.5 - 4.5

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.8	.8	1.6	1.6	3.3	.0	8.2	6.5	N
NNE	2	.8	.8	6.6	10.7	6.6	.0	25.4	6.7	NNE
NE	3	.0	1.6	3.3	.8	.0	.0	5.7	4.4	NE
ENE	4	.8	.0	1.6	.0	.0	.0	2.5	2.7	ENE
E	5	6.6	.8	.0	.0	.0	.0	7.4	1.4	E
ESE	6	1.6	.0	.0	.0	.0	.0	1.6	1.3	ESE
SE	7	.8	.0	.0	.0	.0	.0	.8	1.8	SE
SSE	8	.8	.0	.0	.0	.0	.0	.8	1.8	SSE
S	9	.0	.0	.0	.0	.0	.0	.0	.0	S
SSW	10	.0	1.6	.8	3.3	5.7	5.7	17.2	9.3	SSW
SW	11	.0	2.5	3.3	5.7	1.6	1.6	14.8	6.7	SW
WSW	12	.8	1.6	1.6	1.6	.0	.0	5.7	4.0	WSW
W	13	.0	.8	1.6	.0	.0	.0	2.5	3.6	W
WNW	14	.0	.8	.0	1.6	.8	.0	3.3	7.1	WNW
NW	15	.0	.8	.0	.0	1.6	.0	2.5	7.7	NW
NNW	16	.0	.0	.0	1.6	.0	.0	1.6	7.0	NNW
CALM		.0						.0		
TOTAL		13.1	12.3	20.5	27.0	19.7	7.4	100.0	6.2	

67.7% DATA RECOVERED
24.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	3.3	5.5	.0	.0	.0	.0	8.8	2.0	N
NNE	2	2.2	2.2	.0	.0	.0	.0	4.4	1.6	NNE
NE	3	2.2	1.1	1.1	.0	.0	.0	4.4	2.0	NE
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0	ENE
E	5	2.2	.0	.0	.0	.0	.0	2.2	1.7	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	2.2	.0	.0	.0	.0	2.2	2.0	SE
SSE	8	1.1	.0	.0	.0	.0	.0	1.1	1.0	SSE
S	9	2.2	1.1	.0	.0	.0	.0	3.3	1.6	S
SSW	10	5.5	.0	.0	.0	.0	.0	5.5	1.0	SSW
SW	11	5.5	8.8	.0	.0	.0	.0	14.3	1.7	SW
WSW	12	9.9	9.9	.0	.0	.0	.0	19.8	1.5	WSW
W	13	3.3	1.1	.0	.0	.0	.0	4.4	1.5	W
WNW	14	3.3	5.5	.0	.0	.0	.0	8.8	2.2	WNW
NW	15	4.4	7.7	.0	.0	.0	.0	12.1	2.1	NW
NNW	16	.0	4.4	.0	.0	.0	.0	4.4	2.3	NNW
CALM		4.4						4.4		
TOTAL		49.5	49.5	1.1	.0	.0	.0	100.0	1.7	

100.0% DATA RECOVERED
12.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPIRIT TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	8.3	.0	.0	.0	.0	.0	8.3	1.6	N
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0	NNE
NE	3	.0	.0	.0	.0	.0	.0	.0	.0	NE
ENE	4	.0	4.2	.0	.0	.0	.0	4.2	2.2	ENE
E	5	.0	.0	2.1	.0	.0	.0	2.1	4.4	E
ESE	6	.0	2.1	.0	.0	.0	.0	2.1	2.8	ESE
SE	7	.0	.0	2.1	.0	.0	.0	2.1	3.4	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	2.1	.0	.0	.0	.0	.0	2.1	.5	S
SSW	10	12.5	4.2	.0	.0	.0	.0	16.7	1.2	SSW
SW	11	10.4	6.3	2.1	.0	.0	.0	18.8	1.9	SW
WSW	12	12.5	6.3	.0	.0	.0	.0	18.8	1.8	WSW
W	13	6.3	2.1	.0	.0	.0	.0	8.3	1.5	W
WNW	14	.0	2.1	.0	.0	.0	.0	2.1	3.0	WNW
NW	15	2.1	6.3	.0	.0	.0	.0	8.3	2.4	NW
NNW	16	2.1	.0	.0	.0	.0	.0	2.1	1.3	NNW
CALM		4.2						4.2		
TOTAL		60.4	33.3	6.3	.0	.0	.0	100.0	1.8	

100.0% DATA RECOVERED
7.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	1.6	3.3	.0	.0	.0	4.9	3.5	N
NNE	2	.0	3.3	8.2	.0	.0	.0	11.5	3.9	NNE
NE	3	.0	1.6	1.6	.0	.0	.0	3.3	3.0	NE
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0	ENE
E	5	1.6	.0	.0	.0	.0	.0	1.6	1.8	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	1.6	.0	.0	.0	.0	.0	1.6	1.4	SSE
S	9	.0	.0	.0	.0	.0	.0	.0	.0	S
SSW	10	6.6	4.9	1.6	.0	.0	.0	13.1	2.0	SSW
SW	11	14.8	11.5	.0	.0	.0	.0	26.2	1.8	SW
WSW	12	11.5	4.9	1.6	.0	.0	.0	18.0	1.8	WSW
W	13	1.6	.0	.0	.0	.0	.0	1.6	1.0	W
WNW	14	3.3	1.6	.0	.0	.0	.0	4.9	2.1	WNW
NW	15	1.6	4.9	.0	.0	.0	.0	6.6	2.6	NW
NNW	16	1.6	1.6	.0	.0	.0	.0	3.3	1.5	NNW
CALM		3.3						3.3		
TOTAL		47.5	36.1	16.4	.0	.0	.0	100.0	2.2	

100.0% DATA RECOVERED
8.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	5.4	7.1	3.6	.0	.0	.0	16.1	2.4	N
NNE	2	1.8	.0	.0	.0	.0	.0	1.8	.7	NNE
NE	3	1.8	1.8	1.8	.0	.0	.0	5.4	2.4	NE
ENE	4	1.8	1.8	.0	.0	.0	.0	3.6	2.5	ENE
E	5	.0	3.6	.0	.0	.0	.0	3.6	3.1	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	1.8	.0	.0	.0	.0	.0	1.8	1.1	SSE
S	9	1.8	3.6	.0	.0	.0	.0	5.4	1.9	S
SSW	10	1.8	1.8	1.8	.0	.0	.0	5.4	2.8	SSW
SW	11	5.4	7.1	8.9	.0	.0	.0	21.4	2.7	SW
WSW	12	5.4	10.7	5.4	.0	.0	.0	21.4	2.4	WSW
W	13	1.8	1.8	3.6	.0	.0	.0	7.1	3.0	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	1.8	1.8	.0	.0	.0	.0	3.6	1.2	NW
NNW	16	.0	3.6	.0	.0	.0	.0	3.6	2.5	NNW
CALM		.0						.0		
TOTAL		30.4	44.6	25.0	.0	.0	.0	100.0	2.4	

100.0% DATA RECOVERED
7.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	.0	1.9	.0	.0	.0	.0	1.9	2.0	N
NNE	2	.0	3.8	.0	.0	.0	.0	3.8	2.5	NNE
NE	3	1.9	.0	.0	.0	.0	.0	1.9	1.6	NE
ENE	4	1.9	.0	.0	.0	.0	.0	1.9	.8	ENE
E	5	1.9	.0	.0	.0	.0	.0	1.9	1.2	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	3.8	1.9	.0	.0	.0	.0	5.7	1.1	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	3.8	.0	.0	.0	.0	.0	3.8	1.5	S
SSW	10	9.4	1.9	1.9	.0	.0	.0	13.2	1.8	SSW
SW	11	9.4	17.0	1.9	.0	.0	.0	28.3	2.1	SW
WSW	12	9.4	9.4	.0	.0	.0	.0	18.9	2.0	WSW
W	13	5.7	.0	1.9	.0	.0	.0	7.5	2.2	W
WNW	14	1.9	1.9	.0	.0	.0	.0	3.8	1.5	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0	NNW
CALM		7.5						7.5		
TOTAL		56.6	37.7	5.7	.0	.0	.0	100.0	1.7	

100.0% DATA RECOVERED
7.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	4.8	7.1	.0	.0	.0	11.9	3.7	N
NNE	2	.0	7.1	4.8	.0	.0	.0	11.9	3.0	NNE
NE	3	.0	2.4	2.4	.0	.0	.0	4.8	2.6	NE
ENE	4	.0	7.1	.0	.0	.0	.0	7.1	2.2	ENE
E	5	.0	.0	.0	.0	.0	.0	.0	.0	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	2.4	.0	.0	.0	.0	.0	2.4	1.2	SSE
S	9	.0	2.4	.0	.0	.0	.0	2.4	3.1	S
SSW	10	4.8	4.8	2.4	.0	.0	.0	11.9	2.5	SSW
SW	11	4.8	16.7	2.4	.0	.0	.0	23.8	2.6	SW
WSW	12	7.1	2.4	2.4	.0	.0	.0	11.9	2.0	WSW
W	13	.0	.0	.0	.0	.0	.0	.0	.0	W
WNW	14	.0	4.8	.0	.0	.0	.0	4.8	3.2	WNW
NW	15	.0	.0	.0	.0	.0	.0	.0	.0	NW
NNW	16	.0	7.1	.0	.0	.0	.0	7.1	2.3	NNW
CALM		.0						.0		
TOTAL		19.0	59.5	21.4	.0	.0	.0	100.0	2.7	

100.0% DATA RECOVERED
5.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995

0 - 2400 (PST)

STABILITY CLASS E

4.5 - 5.5

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	1.9	.0	.0	.0	.0	1.9	2.4	N
NNE	2	.0	.0	.0	.0	.0	.0	.0	.0	NNE
NE	3	1.9	1.9	.0	.0	.0	.0	3.8	1.9	NE
ENE	4	.0	.0	.0	.0	.0	.0	.0	.0	ENE
E	5	.0	.0	.0	.0	.0	.0	.0	.0	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	1.9	.0	.0	.0	.0	.0	1.9	1.7	SSE
S	9	.0	1.9	3.8	.0	.0	.0	5.8	3.3	S
SSW	10	1.9	7.7	1.9	.0	.0	.0	11.5	2.2	SSW
SW	11	7.7	17.3	15.4	.0	.0	.0	40.4	2.9	SW
WSW	12	3.8	11.5	3.8	.0	.0	.0	19.2	2.7	WSW
W	13	1.9	1.9	.0	.0	.0	.0	3.8	2.4	W
WNW	14	1.9	1.9	.0	.0	.0	.0	3.8	2.2	WNW
NW	15	.0	1.9	.0	.0	.0	.0	1.9	3.0	NW
NNW	16	3.8	1.9	.0	.0	.0	.0	5.8	1.5	NNW
CALM		.0						.0		
TOTAL		25.0	50.0	25.0	.0	.0	.0	100.0	2.6	

96.9% DATA RECOVERED
7.2% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

W I N D S P E E D C L A S S

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	8.5	.0	.0	.0	.0	.0	8.5	1.2	N
NNE	2	.0	2.1	.0	.0	.0	.0	2.1	2.7	NNE
NE	3	2.1	4.3	.0	.0	.0	.0	6.4	1.9	NE
ENE	4	2.1	4.3	.0	.0	.0	.0	6.4	1.9	ENE
E	5	.0	.0	.0	.0	.0	.0	.0	.0	E
ESE	6	2.1	.0	2.1	.0	.0	.0	4.3	2.2	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	2.1	6.4	2.1	.0	.0	.0	10.6	2.8	S
SSW	10	2.1	8.5	2.1	.0	.0	.0	12.8	2.5	SSW
SW	11	2.1	8.5	8.5	.0	.0	.0	19.1	3.1	SW
WSW	12	4.3	6.4	4.3	.0	.0	.0	14.9	2.6	WSW
W	13	.0	2.1	2.1	.0	.0	.0	4.3	3.0	W
WNW	14	4.3	.0	.0	.0	.0	.0	4.3	1.1	WNW
NW	15	.0	2.1	.0	.0	.0	.0	2.1	1.9	NW
NNW	16	.0	4.3	.0	.0	.0	.0	4.3	2.2	NNW
CALM		.0						.0		
TOTAL		29.8	48.9	21.3	.0	.0	.0	100.0	2.4	

99.5% DATA RECOVERED
6.4% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

W I N D S P E E D C L A S S									
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	5.7	.0	.0	.0	.0	.0	5.7	1.0
NNE	2	2.9	11.4	2.9	.0	.0	.0	17.1	2.4
NE	3	.0	5.7	.0	.0	.0	.0	5.7	2.3
ENE	4	.0	2.9	.0	.0	.0	.0	2.9	2.0
E	5	.0	.0	.0	.0	.0	.0	.0	.0
ESE	6	2.9	.0	.0	.0	.0	.0	2.9	1.0
SE	7	.0	.0	.0	.0	.0	.0	.0	.0
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0
S	9	.0	2.9	2.9	.0	.0	.0	5.7	2.9
SSW	10	.0	5.7	2.9	.0	.0	.0	8.6	3.1
SW	11	2.9	5.7	11.4	.0	.0	.0	20.0	3.4
WSW	12	11.4	2.9	2.9	.0	.0	.0	17.1	2.2
W	13	.0	.0	.0	.0	.0	.0	.0	.0
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0
NW	15	.0	11.4	2.9	.0	.0	.0	14.3	2.8
NNW	16	.0	.0	.0	.0	.0	.0	.0	.0
CALM		.0						.0	
TOTAL		25.7	48.6	25.7	.0	.0	.0	100.0	2.6

83.5% DATA RECOVERED
5.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	4.8	7.1	.0	.0	.0	11.9	3.8	N
NNE	2	7.1	2.4	7.1	.0	.0	.0	16.7	2.7	NNE
NE	3	7.1	.0	2.4	.0	.0	.0	9.5	2.1	NE
ENE	4	2.4	4.8	.0	.0	.0	.0	7.1	2.4	ENE
E	5	.0	4.8	.0	.0	.0	.0	4.8	2.4	E
ESE	6	2.4	.0	.0	.0	.0	.0	2.4	.7	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	.0	.0	.0	.0	.0	.0	.0	SSE
S	9	.0	.0	.0	.0	.0	.0	.0	.0	S
SSW	10	.0	4.8	2.4	.0	.0	.0	7.1	3.5	SSW
SW	11	2.4	14.3	2.4	.0	.0	.0	19.0	2.6	SW
WSW	12	2.4	4.8	.0	.0	.0	.0	7.1	2.2	WSW
W	13	2.4	4.8	.0	.0	.0	.0	7.1	2.3	W
WNW	14	.0	.0	.0	.0	.0	.0	.0	.0	WNW
NW	15	.0	2.4	.0	.0	.0	.0	2.4	2.1	NW
NNW	16	2.4	2.4	.0	.0	.0	.0	4.8	2.1	NNW
CALM		.0						.0		
TOTAL		28.6	50.0	21.4	.0	.0	.0	100.0	2.6	

96.8% DATA RECOVERED
5.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995
0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	4.3	4.3	.0	.0	.0	.0	8.7	2.2	N
NNE	2	4.3	4.3	8.7	.0	.0	.0	17.4	2.9	NNE
NE	3	.0	4.3	.0	.0	.0	.0	4.3	2.4	NE
ENE	4	.0	4.3	.0	.0	.0	.0	4.3	2.6	ENE
E	5	.0	4.3	.0	.0	.0	.0	4.3	2.0	E
ESE	6	.0	.0	.0	.0	.0	.0	.0	.0	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	.0	4.3	.0	.0	.0	.0	4.3	2.1	SSE
S	9	4.3	.0	.0	.0	.0	.0	4.3	1.0	S
SSW	10	.0	4.3	4.3	.0	.0	.0	8.7	2.9	SSW
SW	11	4.3	13.0	.0	.0	.0	.0	17.4	2.3	SW
WSW	12	4.3	.0	.0	.0	.0	.0	4.3	1.7	WSW
W	13	4.3	.0	.0	.0	.0	.0	4.3	1.3	W
WNW	14	8.7	.0	.0	.0	.0	.0	8.7	1.4	WNW
NW	15	.0	4.3	.0	.0	.0	.0	4.3	1.9	NW
NNW	16	4.3	.0	.0	.0	.0	.0	4.3	1.3	NNW
CALM		.0						.0		
TOTAL		39.1	47.8	13.0	.0	.0	.0	100.0	2.2	

63.6% DATA RECOVERED
5.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES		(MPS)
CALM	WS	<= .5
1	.5< WS	<= 1.8
2	1.8< WS	<= 3.3
3	3.3< WS	<= 5.4
4	5.4< WS	<= 8.5
5	8.5< WS	<=10.8
6	10.8< WS	

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995

0 - 2400 (PST)

STABILITY CLASS E
4.5 - 5.5

W I N D S P E E D C L A S S										
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	.0	.0	2.9	.0	.0	.0	2.9	3.4	N
NNE	2	2.9	5.7	2.9	.0	.0	.0	11.4	2.5	NNE
NE	3	.0	2.9	2.9	.0	.0	.0	5.7	3.6	NE
ENE	4	2.9	8.6	.0	.0	.0	.0	11.4	2.3	ENE
E	5	.0	2.9	.0	.0	.0	.0	2.9	2.0	E
ESE	6	5.7	2.9	.0	.0	.0	.0	8.6	1.3	ESE
SE	7	.0	.0	.0	.0	.0	.0	.0	.0	SE
SSE	8	2.9	.0	.0	.0	.0	.0	2.9	.8	SSE
S	9	.0	.0	.0	.0	.0	.0	.0	.0	S
SSW	10	2.9	5.7	5.7	.0	.0	.0	14.3	3.0	SSW
SW	11	2.9	5.7	2.9	.0	.0	.0	11.4	2.8	SW
WSW	12	2.9	.0	2.9	.0	.0	.0	5.7	2.5	WSW
W	13	2.9	2.9	.0	.0	.0	.0	5.7	2.3	W
WNW	14	.0	5.7	.0	.0	.0	.0	5.7	2.1	WNW
NW	15	.0	2.9	2.9	.0	.0	.0	5.7	3.1	NW
NNW	16	.0	2.9	2.9	.0	.0	.0	5.7	2.9	NNW
CALM		.0						.0		

TOTAL		25.7	48.6	25.7	.0	.0	.0	100.0	2.5	

67.7% DATA RECOVERED
6.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

1/ 1/1995 - 1/31/1995
0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

		WIND SPEED CLASS						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	5.3	1.4	.0	.0	.0	.0	6.8	1.3	N
NNE	2	5.3	1.4	.0	.0	.0	.0	6.8	1.3	NNE
NE	3	4.6	1.4	.0	.0	.0	.0	6.0	1.5	NE
ENE	4	3.2	.7	.0	.0	.0	.0	3.9	1.4	ENE
E	5	2.5	.4	.0	.0	.0	.0	2.8	1.1	E
ESE	6	2.5	.4	.0	.0	.0	.0	2.8	1.4	ESE
SE	7	2.1	.0	.0	.0	.0	.0	2.1	1.0	SE
SSE	8	3.6	.4	.0	.0	.0	.0	3.9	1.2	SSE
S	9	1.8	.0	.0	.0	.0	.0	1.8	1.1	S
SSW	10	5.7	1.1	.0	.0	.0	.0	6.8	1.3	SSW
SW	11	7.1	1.4	.0	.0	.0	.0	8.5	1.3	SW
WSW	12	10.3	1.8	.0	.0	.0	.0	12.1	1.2	WSW
W	13	8.2	.0	.0	.0	.0	.0	8.2	1.2	W
WNW	14	5.3	.7	.0	.0	.0	.0	6.0	1.4	WNW
NW	15	7.8	2.8	.0	.0	.0	.0	10.7	1.5	NW
NNW	16	7.5	.4	.0	.0	.0	.0	7.8	1.3	NNW
CALM		2.8						2.8		
TOTAL		85.8	14.2	.0	.0	.0	.0	100.0	1.3	

100.0% DATA RECOVERED
37.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

2/ 1/1995 - 2/28/1995
0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	4.2	.9	.0	.0	.0	.0	5.1	1.3	N
NNE	2	3.3	1.2	.0	.0	.0	.0	4.5	1.3	NNE
NE	3	5.1	1.5	.0	.0	.0	.0	6.5	1.3	NE
ENE	4	3.6	.3	.0	.0	.0	.0	3.9	1.1	ENE
E	5	3.3	.3	.0	.0	.0	.0	3.6	1.2	E
ESE	6	1.5	.0	.0	.0	.0	.0	1.5	1.1	ESE
SE	7	5.1	.0	.0	.0	.0	.0	5.1	1.1	SE
SSE	8	2.4	.9	.0	.0	.0	.0	3.3	1.3	SSE
S	9	1.2	.0	.0	.0	.0	.0	1.2	.9	S
SSW	10	5.4	1.2	.0	.0	.0	.0	6.5	1.3	SSW
SW	11	12.2	3.0	.0	.0	.0	.0	15.2	1.3	SW
WSW	12	9.2	.6	.0	.0	.0	.0	9.8	1.1	WSW
W	13	7.4	1.2	.0	.0	.0	.0	8.6	1.1	W
WNW	14	4.2	.3	.0	.0	.0	.0	4.5	1.1	WNW
NW	15	6.0	1.2	.0	.0	.0	.0	7.1	1.3	NW
NNW	16	3.9	1.2	.0	.0	.0	.0	5.1	1.4	NNW
CALM		8.6						8.6		
<hr/>										
TOTAL		86.3	13.7	.0	.0	.0	.0	100.0	1.1	

100.0% DATA RECOVERED
50.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

3/ 1/1995 - 3/31/1995
0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	4.9	.8	.0	.0	.0	.0	5.6	1.3	N
NNE	2	4.1	.8	.0	.0	.0	.0	4.9	1.4	NNE
NE	3	3.8	.4	.0	.0	.0	.0	4.1	1.5	NE
ENE	4	1.5	1.9	.0	.0	.0	.0	3.4	1.8	ENE
E	5	1.9	.0	.0	.0	.0	.0	1.9	1.2	E
ESE	6	2.6	1.9	.0	.0	.0	.0	4.5	1.6	ESE
SE	7	1.5	.4	.0	.0	.0	.0	1.9	1.4	SE
SSE	8	2.6	.8	.0	.0	.0	.0	3.4	1.5	SSE
S	9	3.4	.8	.0	.0	.0	.0	4.1	1.6	S
SSW	10	9.0	2.3	.0	.0	.0	.0	11.3	1.3	SSW
SW	11	8.3	1.1	.0	.0	.0	.0	9.4	1.3	SW
WSW	12	9.0	3.4	.0	.0	.0	.0	12.4	1.4	WSW
W	13	7.1	3.4	.0	.0	.0	.0	10.5	1.5	W
WNW	14	4.9	1.5	.0	.0	.0	.0	6.4	1.2	WNW
NW	15	6.0	3.8	.0	.0	.0	.0	9.8	1.6	NW
NNW	16	4.5	.8	.0	.0	.0	.0	5.3	1.2	NNW
CALM		1.1						1.1		
TOTAL		76.3	23.7	.0	.0	.0	.0	100.0	1.4	

100.0% DATA RECOVERED
35.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

4/ 1/1995 - 4/30/1995
0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	3.7	2.3	.0	.0	.0	.0	6.0	1.7	N
NNE	2	4.7	.5	.0	.0	.0	.0	5.1	1.3	NNE
NE	3	3.3	1.4	.0	.0	.0	.0	4.7	1.6	NE
ENE	4	1.9	.5	.0	.0	.0	.0	2.3	1.6	ENE
E	5	2.3	1.9	.0	.0	.0	.0	4.2	1.6	E
ESE	6	.9	.5	.0	.0	.0	.0	1.4	1.3	ESE
SE	7	2.8	.5	.0	.0	.0	.0	3.3	1.3	SE
SSE	8	3.3	2.3	.0	.0	.0	.0	5.6	1.4	SSE
S	9	2.3	.5	.0	.0	.0	.0	2.8	1.2	S
SSW	10	5.6	1.4	.0	.0	.0	.0	7.0	1.3	SSW
SW	11	9.3	2.3	.0	.0	.0	.0	11.6	1.4	SW
WSW	12	9.8	.9	.0	.0	.0	.0	10.7	1.1	WSW
W	13	5.6	1.9	.0	.0	.0	.0	7.4	1.5	W
WNW	14	4.2	1.4	.0	.0	.0	.0	5.6	1.4	WNW
NW	15	7.4	2.3	.0	.0	.0	.0	9.8	1.3	NW
NNW	16	7.0	1.4	.0	.0	.0	.0	8.4	1.4	NNW
CALM		4.2						4.2		
TOTAL		78.1	21.9	.0	.0	.0	.0	100.0	1.3	

100.0% DATA RECOVERED
29.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM WS <= .5
1 .5< WS <= 1.8
2 1.8< WS <= 3.3
3 3.3< WS <= 5.4
4 5.4< WS <= 8.5
5 8.5< WS <=10.8
6 10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

5/ 1/1995 - 5/31/1995
0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	7.0	.0	.0	.0	.0	.0	7.0	1.1	N
NNE	2	3.9	.9	.0	.0	.0	.0	4.8	1.4	NNE
NE	3	2.2	.4	.0	.0	.0	.0	2.6	1.3	NE
ENE	4	2.6	1.7	.0	.0	.0	.0	4.3	1.5	ENE
E	5	1.7	.0	.0	.0	.0	.0	1.7	1.3	E
ESE	6	1.3	.0	.0	.0	.0	.0	1.3	1.1	ESE
SE	7	3.0	.0	.0	.0	.0	.0	3.0	1.0	SE
SSE	8	1.3	.0	.0	.0	.0	.0	1.3	1.1	SSE
S	9	5.2	.0	.0	.0	.0	.0	5.2	1.0	S
SSW	10	6.5	1.7	.0	.0	.0	.0	8.3	1.4	SSW
SW	11	11.7	3.9	.0	.0	.0	.0	15.7	1.5	SW
WSW	12	10.9	1.7	.0	.0	.0	.0	12.6	1.3	WSW
W	13	4.8	1.3	.0	.0	.0	.0	6.1	1.3	W
WNW	14	5.2	1.3	.0	.0	.0	.0	6.5	1.5	WNW
NW	15	8.3	.9	.0	.0	.0	.0	9.1	1.4	NW
NNW	16	4.8	1.7	.0	.0	.0	.0	6.5	1.5	NNW
CALM		3.9						3.9		
TOTAL		84.3	15.7	.0	.0	.0	.0	100.0	1.3	

100.0% DATA RECOVERED
30.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES	
(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

6/ 1/1995 - 6/30/1995
0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	7.2	1.5	.0	.0	.0	.0	8.8	1.4	N
NNE	2	3.6	3.1	.0	.0	.0	.0	6.7	1.7	NNE
NE	3	3.6	2.1	.0	.0	.0	.0	5.7	1.6	NE
ENE	4	2.6	.5	.0	.0	.0	.0	3.1	1.4	ENE
E	5	2.6	.5	.0	.0	.0	.0	3.1	1.3	E
ESE	6	1.5	.5	.0	.0	.0	.0	2.1	1.3	ESE
SE	7	.5	.0	.0	.0	.0	.0	.5	1.2	SE
SSE	8	1.5	.0	.0	.0	.0	.0	1.5	1.1	SSE
S	9	4.1	.0	.0	.0	.0	.0	4.1	1.0	S
SSW	10	9.8	1.5	.0	.0	.0	.0	11.3	1.3	SSW
SW	11	9.3	2.1	.0	.0	.0	.0	11.3	1.5	SW
WSW	12	10.8	2.6	.0	.0	.0	.0	13.4	1.3	WSW
W	13	5.2	.5	.0	.0	.0	.0	5.7	1.0	W
WNW	14	5.7	.5	.0	.0	.0	.0	6.2	1.4	WNW
NW	15	4.6	.5	.0	.0	.0	.0	5.2	1.1	NW
NNW	16	5.2	1.5	.0	.0	.0	.0	6.7	1.4	NNW
CALM		4.6						4.6		
TOTAL		82.5	17.5	.0	.0	.0	.0	100.0	1.3	

100.0% DATA RECOVERED
26.9% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

7/ 1/1995 - 7/31/1995

0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	7.3	.8	.0	.0	.0	.0	8.1	1.3	N
NNE	2	5.0	2.3	.0	.0	.0	.0	7.3	1.5	NNE
NE	3	3.1	1.5	.0	.0	.0	.0	4.6	1.6	NE
ENE	4	3.8	1.2	.0	.0	.0	.0	5.0	1.5	ENE
E	5	2.7	.0	.0	.0	.0	.0	2.7	1.0	E
ESE	6	2.3	.0	.0	.0	.0	.0	2.3	1.0	ESE
SE	7	1.5	.4	.0	.0	.0	.0	1.9	1.2	SE
SSE	8	2.7	.0	.0	.0	.0	.0	2.7	1.0	SSE
S	9	5.0	.0	.0	.0	.0	.0	5.0	1.0	S
SSW	10	3.1	.0	.0	.0	.0	.0	3.1	1.1	SSW
SW	11	10.0	3.5	.0	.0	.0	.0	13.5	1.5	SW
WSW	12	11.9	2.7	.0	.0	.0	.0	14.6	1.3	WSW
W	13	6.2	.0	.0	.0	.0	.0	6.2	1.1	W
WNW	14	3.1	.8	.0	.0	.0	.0	3.8	1.3	WNW
NW	15	5.0	.8	.0	.0	.0	.0	5.8	1.2	NW
NNW	16	7.7	.4	.0	.0	.0	.0	8.1	1.3	NNW
CALM		5.4						5.4		
TOTAL		85.8	14.2	.0	.0	.0	.0	100.0	1.2	

96.9% DATA RECOVERED
36.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

8/ 1/1995 - 8/31/1995
0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

		W I N D S P E E D C L A S S						TOTAL	AVG WS (MPS)	
WIND DIR	SECTOR	1	2	3	4	5	6			
N	1	8.6	1.1	.0	.0	.0	.0	9.7	1.3	N
NNE	2	8.6	1.8	.0	.0	.0	.0	10.4	1.4	NNE
NE	3	3.6	2.2	.0	.0	.0	.0	5.8	1.5	NE
ENE	4	5.0	1.1	.0	.0	.0	.0	6.1	1.3	ENE
E	5	2.9	1.1	.0	.0	.0	.0	4.0	1.3	E
ESE	6	2.2	.0	.0	.0	.0	.0	2.2	1.1	ESE
SE	7	.7	.0	.0	.0	.0	.0	.7	1.3	SE
SSE	8	1.4	.4	.0	.0	.0	.0	1.8	1.5	SSE
S	9	3.6	.4	.0	.0	.0	.0	4.0	1.2	S
SSW	10	5.0	.4	.0	.0	.0	.0	5.4	1.2	SSW
SW	11	9.7	1.8	.0	.0	.0	.0	11.5	1.3	SW
WSW	12	7.2	.4	.0	.0	.0	.0	7.6	1.3	WSW
W	13	7.2	1.4	.0	.0	.0	.0	8.6	1.2	W
WNW	14	4.3	1.1	.0	.0	.0	.0	5.4	1.2	WNW
NW	15	6.1	.7	.0	.0	.0	.0	6.8	1.3	NW
NNW	16	5.4	1.4	.0	.0	.0	.0	6.8	1.4	NNW
CALM		3.2						3.2		
TOTAL		84.9	15.1	.0	.0	.0	.0	100.0	1.3	

99.5% DATA RECOVERED
37.6% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

9/ 1/1995 - 9/30/1995
0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	7.4	1.2	.0	.0	.0	.0	8.6	1.2
NNE	2	5.7	1.2	.0	.0	.0	.0	7.0	1.4
NE	3	4.5	.4	.0	.0	.0	.0	4.9	1.1
ENE	4	6.1	1.6	.0	.0	.0	.0	7.8	1.3
E	5	3.7	.0	.0	.0	.0	.0	3.7	1.1
ESE	6	1.6	.0	.0	.0	.0	.0	1.6	.9
SE	7	2.5	.0	.0	.0	.0	.0	2.5	1.1
SSE	8	2.0	.4	.0	.0	.0	.0	2.5	1.2
S	9	4.5	.0	.0	.0	.0	.0	4.5	1.0
SSW	10	5.3	.8	.0	.0	.0	.0	6.1	1.2
SW	11	11.1	2.9	.0	.0	.0	.0	13.9	1.5
WSW	12	9.8	1.6	.0	.0	.0	.0	11.5	1.2
W	13	7.8	.4	.0	.0	.0	.0	8.2	1.1
WNW	14	2.5	.0	.0	.0	.0	.0	2.5	1.2
NW	15	4.5	1.2	.0	.0	.0	.0	5.7	1.2
NNW	16	3.7	1.6	.0	.0	.0	.0	5.3	1.4
CALM		3.7						3.7	
TOTAL		86.5	13.5	.0	.0	.0	.0	100.0	1.2

83.5% DATA RECOVERED
40.6% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES	
(MPS)	
CALM	WS <= .5
1	.5< WS <= 1.8
2	1.8< WS <= 3.3
3	3.3< WS <= 5.4
4	5.4< WS <= 8.5
5	8.5< WS <=10.8
6	10.8< WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

10/ 1/1995 - 10/31/1995

0 - 2400 (PST)

STABILITY CLASS F
5.5 - 6.6

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	5.0	.6	.0	.0	.0	.0	5.6	1.2
NNE	2	6.8	.9	.0	.0	.0	.0	7.7	1.3
NE	3	5.0	.0	.0	.0	.0	.0	5.0	1.0
ENE	4	3.0	.3	.0	.0	.0	.0	3.3	1.2
E	5	3.0	.9	.0	.0	.0	.0	3.9	1.1
ESE	6	3.3	.0	.0	.0	.0	.0	3.3	1.0
SE	7	1.8	.6	.0	.0	.0	.0	2.4	1.4
SSE	8	5.3	.3	.0	.0	.0	.0	5.6	1.1
S	9	3.9	1.5	.0	.0	.0	.0	5.3	1.3
SSW	10	5.9	.9	.0	.0	.0	.0	6.8	1.2
SW	11	10.4	2.7	.0	.0	.0	.0	13.1	1.3
WSW	12	7.4	1.2	.0	.0	.0	.0	8.6	1.2
W	13	7.4	.9	.0	.0	.0	.0	8.3	1.2
WNW	14	5.3	1.5	.0	.0	.0	.0	6.8	1.3
NW	15	5.0	.6	.0	.0	.0	.0	5.6	1.3
NNW	16	3.3	.6	.0	.0	.0	.0	3.9	1.3
CALM		4.7						4.7	
TOTAL		86.6	13.4	.0	.0	.0	.0	100.0	1.2

96.8% DATA RECOVERED
46.8% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES

(MPS)	
CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

11/ 1/1995 - 11/30/1995

0 - 2400 (PST)

STABILITY CLASS F

5.5 - 6.6

WIND SPEED CLASS

WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)	
N	1	6.6	.0	.0	.0	.0	.0	6.6	1.1	N
NNE	2	4.9	2.5	.0	.0	.0	.0	7.4	1.5	NNE
NE	3	4.9	.4	.0	.0	.0	.0	5.3	1.3	NE
ENE	4	4.9	.8	.0	.0	.0	.0	5.8	1.4	ENE
E	5	2.9	.0	.0	.0	.0	.0	2.9	1.1	E
ESE	6	1.6	.4	.0	.0	.0	.0	2.1	1.2	ESE
SE	7	3.3	.4	.0	.0	.0	.0	3.7	1.3	SE
SSE	8	2.1	.4	.0	.0	.0	.0	2.5	1.2	SSE
S	9	4.9	1.6	.0	.0	.0	.0	6.6	1.4	S
SSW	10	5.8	.8	.0	.0	.0	.0	6.6	1.3	SSW
SW	11	11.1	2.9	.0	.0	.0	.0	14.0	1.4	SW
WSW	12	9.5	.8	.0	.0	.0	.0	10.3	1.3	WSW
W	13	7.0	2.1	.0	.0	.0	.0	9.1	1.3	W
WNW	14	3.3	.4	.0	.0	.0	.0	3.7	1.2	WNW
NW	15	4.5	.8	.0	.0	.0	.0	5.3	1.2	NW
NNW	16	4.5	3.3	.0	.0	.0	.0	7.8	1.6	NNW
CALM		.4						.4		
TOTAL		82.3	17.7	.0	.0	.0	.0	100.0	1.3	

63.6% DATA RECOVERED
53.1% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

METEOROLOGICAL JOINT FREQUENCY DISTRIBUTION (PERCENT OF VALID HOUR OBSERVATIONS)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours

12/ 1/1995 - 12/31/1995

0 - 2400 (PST)

STABILITY CLASS F

5.5 - 6.6

		W I N D S P E E D C L A S S							
WIND DIR	SECTOR	1	2	3	4	5	6	TOTAL	AVG WS (MPS)
N	1	4.8	2.4	.0	.0	.0	.0	7.1	1.4
NNE	2	7.9	.8	.0	.0	.0	.0	8.7	1.4
NE	3	4.8	.4	.0	.0	.0	.0	5.2	1.2
ENE	4	2.0	1.2	.0	.0	.0	.0	3.2	1.3
E	5	4.4	.4	.0	.0	.0	.0	4.8	1.2
ESE	6	2.4	.0	.0	.0	.0	.0	2.4	1.1
SE	7	2.4	.8	.0	.0	.0	.0	3.2	1.4
SSE	8	4.0	.0	.0	.0	.0	.0	4.0	1.1
S	9	6.0	.4	.0	.0	.0	.0	6.3	1.1
SSW	10	5.6	.4	.0	.0	.0	.0	6.0	1.3
SW	11	6.0	3.6	.0	.0	.0	.0	9.5	1.6
WSW	12	7.5	2.4	.0	.0	.0	.0	9.9	1.4
W	13	6.7	.4	.0	.0	.0	.0	7.1	1.2
WNW	14	5.6	1.6	.0	.0	.0	.0	7.1	1.4
NW	15	6.0	2.8	.0	.0	.0	.0	8.7	1.6
NNW	16	5.6	.4	.0	.0	.0	.0	6.0	1.2
CALM		.8						.8	
TOTAL		82.1	17.9	.0	.0	.0	.0	100.0	1.3

67.7% DATA RECOVERED
50.0% OF RECOVERED DATA
REPORTED ABOVE

WIND SPEED CLASSES
(MPS)

CALM	WS <= .5
1	.5 < WS <= 1.8
2	1.8 < WS <= 3.3
3	3.3 < WS <= 5.4
4	5.4 < WS <= 8.5
5	8.5 < WS <= 10.8
6	10.8 < WS

**APPENDIX D: TABULATED HOURLY RICHARDSON NUMBERS, MONIN-
OBUKHOV LENGTHS ESTIMATED FROM RICHARDSON
NUMBERS, TEMPERATURE DIFFERENCES TWO TO SIXTEEN
METERS, AND SIGMA THETA STABILITY CLASSES**

Richardson Numbers

1-12	Richardson Number, One Quarter to Two Meter Layer, January-December, 1995
13-24	Richardson Number, One Half to Four Meter Layer, January-December, 1995
25-36	Richardson Number, Two to Sixteen Meter Layer, January-December, 1995

Monin-Obukhov Lengths Based on Richardson Numbers

37-48	Based on Richardson Number, One Quarter to Two Meter Layer, January-December, 1995
49-60	Based on Richardson Number, One Half to Four Meter Layer, January-December, 1995
61-72	Based on Richardson Number, Two to Sixteen Meter Layer, January-December, 1995

Temperature Differences Two to Sixteen Meters

73-84	Temperature Difference, Two to Sixteen Meter Layer, January-December, 1995
-------	---

Sigma Theta Stability Classes

85-96	Eight Meter Sigma Theta Stability Class, January-December, 1995
-------	---

 ** SPILL TEST FACILITY RICHARDSON NUMBER 1, 0.25-2.0 M LEVELS JAN, 1995 **
 ** RICHARDSON NUMBER 1 TIMES 100 RINUM1 * **

	HOUR																								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
DAY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
1	*	62	15	24	6	5	12	6	19	7	8	16	28	39	5	5	7	16	31	34	37	28	33	49	31
2	*	86	61	62	128	27	34	35	21	65	158	285	318	413	143	31	59	72	37	29	34	40	33	54	35
3	*	30	37	35	19	23	33	46	98	36	68	110	128	78	21	42	25	22	22	52	55	46	45	51	62
4	*	++++	45	93	73	2547	60	38	23	37	24	95	26	6	50	28	27	27	31	17	24	15	13	11	25
5	*	30	35	53	85	58	17	25	33	50	31	60	38	14	2	1	3	6	20	25	80	41	36	75	37
6	*	70	58	68	65	42	23	89	37	++++	77	65	103	311	321	434	158	56	23	41	43	17	55	54	79
7	*	30	27	26	24	21	9	72	27	31	16	32	52	6	12	26	28	28	40	22	17	21	33	19	20
8	*	65	29	24	49	31	19	59	16	24	27	43	34	19	15	40	28	15	11	33	51	15	16	16	13
9	*	16	27	28	12	31	30	41	23	23	13	44	92	86	15	7	10	33	38	23	17	32	65	47	43
10	*	28	43	23	65	45	26	25	30	26	53	63	136	288	120	83	7	39	18	53	15	14	10	18	6
11	*	2	2	3	9	31	30	65	26	36	90	17	3	2	2	3	3	7	43	26	38	48	39	65	55
12	*	41	15	47	54	40	95	45	28	35	68	175	25	342	45	43	52	66	16	42	59	67	26	48	31
13	*	45	52	35	41	28	36	72	46	34	26	110	74	162	157	204	115	102	68	89	29	41	22	31	27
14	*	29	50	92	30	26	31	18	22	65	153	250	26	1	92	93	8	25	25	40	77	3	2	2	2
15	*	2	3	2	2	2	4	5	6	5	2	1	0	1	2	10	5	3	5	34	18	26	36	88	32
16	*	51	24	37	7	20	91	76	53	54	147	28	0	-16	-19	-1	2	7	6	8	8	56	50	48	36
17	*	46	42	44	48	85	24	19	22	19	30	117	-58	-356	-116	-178	17	55	25	37	26	28	26	45	83
18	*	15	69	20	22	127	20	56	61	98	198	-392	116	341	351	457	383	102	50	65	32	30	40	62	52
19	*	10	96	95	31	35	44	70	46	70	285	206	442	279	112	104	134	22	23	36	32	35	33	37	59
20	*	41	92	50	56	61	53	23	49	123	188	53	522	222	81	80	22	35	38	85	42	58	36	40	70
21	*	21	32	26	32	29	13	10	74	117	84	36	353	49	37	-4	4	24	25	23	95	67	47	43	66
22	*	14	21	50	27	25	25	31	26	39	11	-20	66	158	-11	-13	23	10	49	103	94	45	24	33	93
23	*	51	59	46	138	43	29	58	54	132	90	67	164	13	19	15	15	17	9	35	15	31	17	17	29
24	*	21	11	13	70	36	19	33	25	43	148	322	24	7	3	1	4	9	20	16	67	18	7	14	12
25	*	12	11	15	9	17	7	37	35	24	48	101	54	12	12	7	14	12	29	26	21	16	33	23	63
26	*	32	24	29	14	26	24	23	27	66	8	2	0	0	0	2	2	12	18	26	55	73	33	38	42
27	*	23	48	58	61	92	80	25	31	61	44	122	129	52	88	29	79	51	27	60	23	27	24	31	51
28	*	25	114	34	75	13	60	30	52	45	16	-42	143	7	-414	-30	34	70	45	57	20	55	62	22	37
29	*	102	92	38	59	57	54	28	75	59	40	332	67	2346	312	62	113	45	64	44	47	31	46	141	25
30	*	58	79	56	52	128	31	32	103	42	24	67	39	51	-607	370	599	77	79	54	23	40	56	75	52
31	*	51	100	52	38	29	13	33	24	58	59	28	147	109	228	783	195	309	41	53	60	44	50	76	51

 ** PERCENT VALID HOURS FOR JAN, 1995 744*100/ 744=100.0% **

*** THREE HIGHEST VALUES FOR JAN, 1995 XXXX(DD,HH) = ++++(4, 0) ++++(6, 8) 2547(4, 4) (FIRST OCCURRENCE IN MONTH) ***

 * SPILL TEST FACILITY RICHARDSON NUMBER 1, 0.25-2.0 M LEVELS
 * RICHARDSON NUMBER 1 TIMES 100
 * FEB, 1995
 * RINUM1

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY*	HOUR																							
1	135	85	99	29	24	34	32	34	70	198	89	464	229	172	156	56	29	90	39	83	146	162	69	103
2	82	110	193	114	79	60	96	83	286	45	82	38	114	143	57	20	33	19	31	29	22	34	40	38
3	44	108	117	130	43	26	22	19	38	489	409	479	924	148	51	92	87	53	29	27	25	89	92	49
4	139	57	47	98	76	26	87	52	675	394	2250	805	1081	1289	327	164	380	44	32	144	156	64	60	107
5	235	132	36	15	50	257	68	144	158	62	219	2165	896	-104	51	152	200	23	22	150	152	56	193	141
6	154	150	20	89	11	253	153	18	297	345	1515	953	1585	28	857	301	264	16	25	59	49	91	36	47
7	47	63	49	190	405	72	61	85	23	96	345	1656	475	241	59	36	57	114	161	44	33	20	23	34
8	43	52	12	8	9	5	8	6	3	2	1	0	-1	-2	0	3	6	13	22	36	25	58	49	67
9	17	119	51	22	66	68	123	94	51	114	-16	-74	-271	-26	3	108	195	69	27	57	91	96	52	81
10	34	67	79	55	153	59	83	51	78	67	126	28	-1	1	6	18	29	30	23	43	127	46	74	97
11	40	50	95	33	64	68	31	71	55	299	37	42	1	1	2	4	7	24	24	68	149	27	66	74
12	154	62	73	37	45	122	71	44	85	312	9	-9	-2	0	1	1	4	21	51	52	56	58	83	44
13	94	107	60	91	52	38	45	46	95	102	19	1	1	1	1	1	2	3	2	2	2	1	1	1
14	1	1	1	1	2	2	3	2	1	1	1	2	2	1	4	74	16	27	6	11	19	9	13	56
15	38	39	39	49	37	31	39	172	51	187	167	639	-392	-51	204	257	166	55	53	29	26	45	52	32
16	50	27	40	28	40	44	65	25	38	76	-143	85	141	136	149	196	108	46	35	48	56	40	37	34
17	80	45	67	73	39	52	18	2	34	509	340	189	3699	-80	4	114	103	189	21	91	39	57	48	40
18	31	32	33	56	118	78	49	67	45	107	104	236	65	15	15	89	106	183	41	11	16	67	39	19
19	36	32	164	72	47	25	50	66	90	1129	50	219	40	3	4	8	11	13	38	56	31	100	65	37
20	98	51	48	91	24	52	36	106	84	268	262	5242	340	315	161	104	226	97	37	24	52	37	175	66
21	136	63	40	190	61	135	84	66	3	1098	3414	3396	1185	5	3	3	4	12	51	69	55	41	55	36
22	62	49	91	43	150	41	59	45	135	322	9213	269	113	114	65	106	51	33	22	37	142	86	89	98
23	76	68	60	71	39	54	51	171	232	119	49	737	24	15	98	64	124	1092	74	45	57	25	38	48
24	157	103	82	28	86	74	61	98	314	509	1186	1160	952	656	171	185	47	41	38	75	32	21	29	28
25	24	31	89	64	130	33	62	105	167	94	45	30	5	1	4	6	11	5	23	32	25	40	33	33
26	43	93	56	56	38	36	66	107	228	582	1863	270	83	1	5	5	9	18	55	63	17	38	76	48
27	35	49	68	27	17	107	106	78	56	63	203	52	13	2	3	5	10	14	4	8	10	19	44	38
28	44	29	60	31	26	120	30	11	21	22	67	93	32	292	521	510	82	53	28	42	19	9	91	56

 * PERCENT VALID HOURS FOR FEB, 1995 672*100/ 672=100.0%
 *
 * THREE HIGHEST VALUES FOR FEB, 1995 XXXX(DD,HH) = 9213(22,10) 5242(20,11) 3699(17,12) (FIRST OCCURRENCE IN MONTH)

 ** SPILL TEST FACILITY RICHARDSON NUMBER 1, 0.25-2.0 M LEVELS **
 ** RICHARDSON NUMBER 1 TIMES 100 **
 ** MAR, 1995 **
 ** RINUM1 **

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	101	195	154	671	187	146	259	130	81	78	40	-1	0	0	1	3	10	14	39	47	36	43	63	31
2	45	20	120	62	36	56	85	201	202	55	328	-436	-4	1	1	2	2	10	59	26	49	53	54	64
3	76	37	43	35	210	24	28	5	3	2	1	1	1	1	1	2	2	3	13	8	10	25	12	
4	9	12	43	46	73	63	50	34	42	132	5	35	14	2	1	1	3	7	25	85	99	65	20	56
5	55	3	3	4	5	12	51	11	2	2	1	0	1	1	2	2	1	2	3	25	9	42	57	
6	47	20	6	5	4	6	7	6	2	1	-2	0	-12	-94	-29	-12	32	125	75	15	22	26	50	79
7	48	38	10	37	25	61	15	33	63	142	241	80	5	24	30	10	9	16	26	26	18	28	30	76
8	12	43	70	47	31	28	68	165	329	113	67	302	131	2	1	3	157	143	71	40	26	23	24	30
9	39	93	35	39	49	49	26	43	26	119	201	306	14	0	2	2	3	4	5	7	7	4	4	9
10	16	28	53	17	13	73	32	18	57	62	645	157	34	97	51	89	101	39	20	9	12	17	37	49
11	11	11	46	153	46	51	71	18	19	5	2	1	0	1	1	1	1	3	6	4	12	21	48	69
12	29	56	33	23	36	72	39	87	130	73	219	39	-40	-6	-2	0	6	13	22	35	52	47	50	40
13	42	31	53	70	26	36	81	39	90	658	46	423	300	90	89	192	458	1319	73	28	17	32	33	45
14	78	56	66	25	15	47	25	55	-336	962	5928	2758	-36	-9	59	153	26	12	25	33	84	56	61	24
15	39	56	60	21	66	35	45	-94	2	-31	****	875	556	665	++++	57	14	17	18	18	47	40	30	47
16	63	72	28	38	30	17	50	49	147	153	5276	436	275	172	189	142	124	163	44	34	46	43	76	28
17	51	60	32	30	36	40	32	24	67	-31	345	2069	++++	34	46	11	12	18	19	32	36	41	34	33
18	33	56	62	37	25	31	18	17	37	40	47	140	61	10	2	2	4	8	16	38	52	54	47	27
19	62	46	30	36	25	54	29	72	62	30	14	48	27	-29	56	13	9	9	19	28	72	47	43	25
20	72	27	53	72	136	24	39	22	-121	355	52	24	1	1	1	1	1	1	2	2	2	1	1	1
21	1	1	1	1	1	1	1	1	0	0	1	0	0	1	0	0	1	1	1	1	2	2	5	23
22	39	58	16	13	78	36	28	92	19	139	15	-9	-2	-1	0	0	1	2	2	17	32	59	27	111
23	23	65	45	22	42	20	28	23	33	1	1	0	0	6	9	0	2	3	6	12	46	29	15	21
24	48	29	34	55	29	65	22	48	45	5	-18	1	-47	-11	-1	1	3	4	20	27	11	18	63	64
25	82	64	38	85	90	62	73	58	13	1	-1	-2	-6	-6	-3	2	6	16	18	91	99	28	15	157
26	43	40	31	22	36	47	44	26	28	35	-27	-12	-30	-45	-54	-23	24	31	36	17	49	59	53	75
27	44	33	76	56	54	82	75	35	2	0	-1	-2	-3	-1	-1	0	1	4	12	14	8	34	39	32
28	37	42	66	24	9	37	65	68	1	-1	-2	-5	-7	-9	-6	-2	2	3	7	19	80	72	11	13
29	11	47	37	50	11	46	26	72	49	-263	18	-38	-64	-39	-25	-11	0	11	19	21	10	11	13	11
30	73	44	86	39	56	54	13	5	1	-1	-3	-7	-9	-13	-11	-3	12	35	45	18	49	35	23	79
31	74	89	35	105	88	106	80	61	160	1399	2563	72	-112	-40	-17	64	632	37	15	20	89	85	54	52

 ** PERCENT VALID HOURS FOR MAR, 1995 743*100/ 744= 99.9% **
 ** THREE HIGHEST VALUES FOR MAR, 1995 XXXX(DD,HH) = ++++(17,12) ++++(15,14) 5928(14,10) (FIRST OCCURRENCE IN MONTH) **

 * SPILL TEST FACILITY RICHARDSON NUMBER 1, 0.25-2.0 M LEVELS
 * RICHARDSON NUMBER 1 TIMES 100
 * APR, 1995
 * RINUM1

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	111	139	121	116	100	64	39	85	133	3524	350	2	-2	0	0	1	3	4	19	29	24	11	5	19
2	64	36	33	92	54	95	49	6	2	1	-2	-5	-3	-2	-2	0	2	4	16	19	96	15	25	16
3	33	37	41	13	6	12	63	45	14	-6	-3	-35	-18	-61	-55	-18	5	82	118	21	25	63	60	57
4	48	51	104	71	14	67	31	157	2991	++++	++++	409	-24	-10	-5	-2	2	11	23	77	37	62	33	60
5	73	108	74	52	78	71	259	869	236	541	-30	-15	-10	-6	-2	0	2	9	67	46	46	144	91	68
6	45	65	75	92	76	71	58	56	100	19	-1	-1	-1	-1	-1	1	2	4	44	85	60	41	29	62
7	58	84	66	60	26	33	35	56	25	255	-1	-13	-15	-2	-1	0	1	3	67	62	6	3	5	16
8	8	5	8	20	45	38	30	7	-3	-26	-36	-28	-8	-4	-2	-2	1	7	14	13	14	2	2	2
9	2	3	7	2	5	2	2	0	-2	-3	-4	-5	-6	-5	-3	-1	0	1	2	2	4	3	3	13
10	7	10	7	15	8	7	5	1	-2	-9	-13	-24	-11	-14	-11	-6	2	10	19	28	19	33	71	25
11	58	25	31	63	61	62	76	100	77	62	117	-35	-29	-149	-34	-60	118	13	15	16	41	49	90	58
12	66	32	34	45	59	62	26	103	326	337	80	-29	-19	-4	-1	0	1	3	7	17	44	66	256	131
13	39	109	115	34	34	25	18	7	0	0	0	-1	-1	-1	0	0	0	1	0	1	1	13	17	5
14	10	30	17	46	44	69	69	13	13	-3	-7	-61	-131	-77	-25	-13	39	14	21	53	63	54	48	49
15	71	36	31	33	51	52	19	6	0	-145	-193	-19	-11	-8	-13	-4	0	2	3	6	3	2	2	2
16	2	4	11	20	7	10	6	9	4	0	-1	-5	-2	1	1	2	2	7	6	5	10	22	20	36
17	25	29	65	45	25	22	18	31	-1	-4	-10	-12	-12	-5	-2	-1	1	1	3	2	2	2	2	6
18	42	****	18	21	16	15	5	3	1	2	3	4	3	81	22	42	147	450	128	52	48	39	41	37
19	51	85	51	186	59	38	51	142	22	-27	-11	-10	-4	3	9	5	6	15	14	16	142	43	51	30
20	37	44	40	40	96	104	8	3	0	0	-2	-2	-5	-5	0	0	1	3	9	12	4	11	22	120
21	94	191	40	20	50	55	111	17	1	-1	-2	-1	-2	-4	-2	1	2	2	6	7	6	6	23	64
22	81	63	45	49	53	80	11	4	3	-4	-9	-13	-8	-12	-7	-3	2	5	22	48	53	33	49	43
23	26	56	28	51	35	33	28	15	11	-3	-8	-10	-14	-16	-17	-5	43	70	119	25	35	27	55	56
24	52	87	69	103	58	64	102	83	187	2171	468	-15	-66	-30	-14	-4	1	7	21	22	82	52	44	245
25	115	60	136	55	97	181	216	378	193	177	-13	-12	-5	-3	-2	-1	1	3	11	37	102	60	46	56
26	38	****	20	63	29	16	20	5	68	158	581	-10	-23	-20	-23	-3	2	17	41	111	25	13	19	42
27	65	41	96	38	46	38	73	27	2	-1	-1	-1	-2	-1	-1	0	0	1	1	2	5	4	11	8
28	22	22	44	49	60	163	95	-3	-43	-12	-17	-14	-10	-6	-3	-3	-1	3	10	29	36	47	18	24
29	20	48	39	48	22	11	36	-5	-4	-4	-5	-5	-3	-2	-2	-1	1	1	1	3	9	8	10	7
30	11	21	50	35	32	35	27	-1	-255	-55	-23	-14	-31	-19	-24	-9	106	3	10	15	37	51	86	22

 * PERCENT VALID HOURS FOR APR, 1995 718*100/ 720= 99.7%
 *
 * THREE HIGHEST VALUES FOR APR, 1995 XXXX(DD,HH) = ++++(4,10) ++++(4, 9) 3524(1, 9) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 1, 0.25-2.0 M LEVELS MAY, 1995 *
 * RICHARDSON NUMBER 1 TIMES 100 RINUM1 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY*																								
1 *	60	72	45	30	40	66	67	131	119	-10	-5	-3	-2	-3	-2	-1	0	1	1	1	1	2	3	5
2 *	3	15	14	23	48	60	68	74	-56	-25	-13	-23	-30	-18	-15	-8	-2	5	16	36	58	72	21	31
3 *	34	27	35	26	39	17	8	-4	-263	-204	-52	-68	-52	-14	-13	-8	-3	6	22	40	22	46	32	56
4 *	90	81	121	46	66	115	149	-5	-42	-29	-4	-1	-1	-1	0	0	0	2	8	16	5	11	7	69
5 *	24	12	2	2	2	2	1	1	0	-1	-1	5	1	0	2	2	0	1	2	3	3	5	4	2
6 *	3	2	3	3	20	16	6	-3	-5	-10	-14	-59	-51	-43	-10	-16	-4	-2	4	10	45	39	34	26
7 *	16	31	45	63	56	40	10	-1	-4	-5	-5	-7	-4	-3	10	28	6	5	11	40	46	35	17	17
8 *	49	30	35	29	36	53	43	++++	99	174	3	-36	-24	-12	-13	-11	-4	3	14	20	19	95	54	34
9 *	127	86	57	153	36	189	14	182	322	42	-100	-16	-11	-9	-7	-3	0	2	14	24	23	28	110	13
10 *	34	31	23	33	21	38	101	521	370	-290	23	-99	-24	-16	-17	-7	-2	4	17	15	58	61	54	86
11 *	62	82	28	31	71	40	23	5	-5	-10	-8	-9	-7	-4	-2	-2	0	1	6	7	5	5	13	32
12 *	22	22	49	22	74	21	3	-1	-9	-14	-27	-52	-8	-6	-7	-5	-1	1	3	11	9	5	3	6
13 *	7	9	12	10	10	27	26	-28	-144	-4	-1	-2	-2	-2	-1	-1	-1	0	1	3	4	6	13	6
14 *	23	50	48	55	58	78	-5	18	-232	-77	-29	-60	-17	-8	-5	-4	-1	0	16	27	29	88	16	5
15 *	2	1	5	27	17	13	23	10	-170	-431	-732	-79	-26	-53	-39	-20	-8	4	15	17	24	46	31	30
16 *	32	21	43	48	37	97	14	56	-34	103	-50	-60	-6	-5	-2	-1	1	1	6	24	59	48	82	30
17 *	37	33	21	36	35	62	14	85	-45	-204	-66	-61	-14	-12	-6	-2	4	2	7	17	59	46	45	48
18 *	32	39	49	73	34	52	278	162	219	-50	-12	-12	-11	-12	-11	-12	-3	4	15	19	63	26	28	58
19 *	41	18	13	28	50	137	45	93	-172	-547	-16	-45	-25	-35	-15	-9	2	6	11	24	47	76	45	46
20 *	30	43	60	49	221	177	544	++++	1812	-286	-33	-17	-18	-21	-7	-3	0	2	13	45	40	30	40	23
21 *	32	30	60	73	70	70	46	416	-93	-81	-65	-7	-4	-1	0	0	0	2	6	24	123	62	56	46
22 *	68	88	66	30	76	16	6	0	-3	-18	-12	-5	-7	-4	7	13	9	13	5	13	16	42	31	44
23 *	65	29	33	47	117	43	21	5	-105	-37	-3	1	16	167	79	3	4	17	34	20	34	33	38	76
24 *	44	67	160	204	36	78	19	1	-2	-3	-2	-5	-1	****	9	13	26	31	5	6	35	49	49	38
25 *	51	109	34	33	52	64	170	57	-12	-49	1	16	-4	13	2	4	9	10	4	5	18	9	19	35
26 *	50	20	35	30	23	21	44	6	-14	3	-8	-17	-11	-16	-7	-4	-1	3	10	40	53	45	56	43
27 *	29	23	20	25	83	79	142	61	1451	20	8	11	5	10	17	3	2	54	45	24	18	28	32	36
28 *	33	36	60	94	102	226	73	-83	-18	-51	-9	-11	-15	-15	-11	-2	-1	2	7	31	39	38	34	39
29 *	44	96	78	59	24	63	317	77	-573	-52	-35	-15	-61	-8	-15	-6	4	2	11	33	49	35	36	21
30 *	27	41	25	49	67	103	35	35	135	37	-49	-98	-69	-20	-10	-4	-1	2	11	18	43	35	46	56
31 *	65	30	36	72	84	160	38	183	80	3	-33	-20	-13	-32	-12	-2	0	3	11	26	30	135	53	31

 * PERCENT VALID HOURS FOR MAY, 1995 743*100/ 744= 99.9% *
 *
 * THREE HIGHEST VALUES FOR MAY, 1995 XXXX(DD,HH) = ++++(20, 7) ++++(8, 7) 1812(20, 8) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY RICHARDSON NUMBER 1, 0.25-2.0 M LEVELS
 * RICHARDSON NUMBER 1 TIMES 100
 * JUNE, 1995
 * RINUM1

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	40	71	106	85	55	152	629	209	376	-17	-8	-3	6	25	1	1	3	4	3	2	14	30	47	20
2	24	45	33	48	24	33	-118	-64	-73	-53	-8	-7	-7	-5	-2	-2	2	11	2	11	24	22	15	34
3	43	49	51	52	27	74	101	8	-13	-21	-30	-35	-36	-6	-4	-7	-1	16	33	28	21	32	31	33
4	84	80	68	47	109	108	101	66	14	23	-139	-47	-17	-11	-12	-7	-3	2	7	16	44	21	81	28
5	38	35	43	48	43	103	13	32	-7	-3	-1	-2	-1	-1	-1	0	0	0	1	6	4	12	14	17
6	47	31	13	25	73	42	55	144	-121	-42	-55	-83	-40	-29	-27	-18	-2	0	1	0	0	0	1	1
7	0	11	8	18	41	6	1	-9	-70	-65	-67	-8	-23	-17	-6	-16	7	3	6	7	11	28	47	67
8	105	29	54	45	37	48	114	-24	-46	-21	-18	-27	-17	-6	-4	-1	1	1	5	17	54	37	52	26
9	55	67	44	41	103	96	73	203	1499	-87	-115	-37	-62	-37	-37	-48	-33	0	23	21	19	62	41	28
10	62	38	39	74	49	226	-10	346	28	-62	-40	-112	-142	-59	-35	-47	40	418	83	26	28	49	27	25
11	163	126	42	68	64	153	58	12	691	1534	-62	-77	-29	-7	-3	-2	0	2	7	30	29	40	154	55
12	51	30	70	85	116	88	38	752	64	-24	-3	-3	-3	-3	-3	-2	0	2	6	20	42	53	104	86
13	63	50	42	32	45	120	52	79	-3	-6	-2	-2	-2	-3	-2	-1	0	1	3	8	103	87	38	32
14	32	36	40	45	107	80	157	112	2	-3	-1	-1	-1	-1	-1	0	0	2	4	4	6	19	20	20
15	12	7	8	12	8	17	3	1	0	-1	-1	-1	-2	-1	-1	0	0	0	1	1	1	3	2	2
16	2	2	2	1	6	5	0	0	0	-1	-2	-1	-1	-3	-10	-7	-3	0	1	3	8	24	28	73
17	19	21	38	47	65	65	-66	-94	-107	-129	-97	-32	-33	-13	-9	-5	-4	-1	4	15	17	42	107	57
18	51	9	93	48	56	150	119	115	48	-81	-99	-29	-12	-6	-2	-1	-1	1	2	4	23	14	63	168
19	29	27	120	100	109	167	640	126	-40	-31	-18	-13	-7	-4	-2	-2	-1	1	4	38	60	79	49	339
20	37	40	59	53	63	28	59	----	-45	-15	-14	-7	-5	-6	-7	-5	-2	2	2	5	12	10	9	4
21	3	3	7	14	10	6	2	-5	-47	-130	-83	-59	-109	-117	-59	-10	-7	1	10	21	23	33	64	40
22	75	22	15	23	68	39	12	-130	-65	-103	-160	-77	-132	-46	-76	-52	-70	74	103	18	54	47	18	29
23	33	82	20	41	53	165	65	-117	-36	-53	-27	-34	-34	-17	-73	-15	-3	6	13	21	32	26	38	74
24	36	15	14	23	36	21	16	3	-1	-6	-13	-17	-22	-14	-51	-10	-1	5	16	24	18	16	42	114
25	217	297	71	62	51	144	89	-106	2289	-88	-34	-50	-49	-38	-28	2	23	8	8	86	84	139	19	79
26	27	21	31	53	44	74	164	60	13	-27	-25	-62	-74	-21	-1	4	23	8	4	10	18	21	23	21
27	16	18	45	30	18	61	168	69	-96	-382	-175	-29	-10	-10	-6	-3	-1	1	9	24	69	22	41	64
28	91	33	26	77	16	20	40	4	-872	----	-72	-20	-11	-6	-5	-3	-1	3	12	5	2	7	16	7
29	10	18	24	17	51	123	15	-7	-2	-111	-74	-61	-57	-27	-24	-1	0	0	2	2	1	3	5	8
30	27	52	28	38	37	47	70	13	45	-82	-74	-39	-28	-20	-11	-6	-1	2	6	18	2	13	26	36

 * PERCENT VALID HOURS FOR JUNE, 1995 720*100/ 720=100.0%
 *
 * THREE HIGHEST VALUES FOR JUNE, 1995 XXXX(DD,HH) = 2289(25, 8) 1534(11, 9) 1499(9, 8) (FIRST OCCURRENCE IN MONTH)
 *

 * SPILL TEST FACILITY RICHARDSON NUMBER 1, 0.25-2.0 M LEVELS
 * RICHARDSON NUMBER 1 TIMES 100
 * JULY, 1995
 * RINUM1

	HOUR																							
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	28	23	69	37	90	55	15	-32	-424	-127	-48	-61	-53	-15	-12	-7	-1	1	5	18	11	9	29	37
2	39	53	52	24	18	26	132	111	-243	-180	-156	-74	-24	-10	-7	-4	-2	1	3	10	24	64	33	88
3	71	58	39	42	34	34	96	166	-56	-36	-17	-13	-11	-11	-6	-3	-1	1	3	7	15	63	102	24
4	62	59	19	25	40	43	100	12	-49	-57	-24	-22	-304	----	-30	-24	-12	10	15	18	22	46	100	40
5	54	62	105	49	69	71	539	-1	-5	220	-47	-17	-13	-10	-4	-3	-1	1	5	14	19	56	37	45
6	20	22	51	48	144	74	918	54	15	-2	-2	-2	-2	-2	-2	-1	-1	1	4	12	19	30	20	32
7	23	16	42	53	89	85	280	107	1489	-526	-4	-2	-3	-5	-2	-2	1	3	12	27	109	85	33	55
8	45	47	77	87	66	36	12	4	16	-6	-135	-39	-6	-12	-55	-1	2	9	64	112	34	163	28	26
9	25	69	26	46	140	75	5	14	25	-8	-3	-3	-4	-3	-2	-1	-1	1	3	9	6	8	11	80
10	35	52	92	96	50	98	36	17	6	1	-1	-1	-2	-1	0	0	1	3	4	12	34	31	48	41
11	36	93	166	64	32	34	49	33	-2	-1	-2	-2	-2	-3	-2	-1	0	1	2	4	7	6	7	30
12	108	200	70	64	184	59	11	0	-1	-1	-2	-2	-2	-2	-2	-1	0	1	4	14	81	22	34	23
13	89	41	38	53	17	32	14	1	-27	-67	-151	-95	-45	-11	-20	-15	-7	4	13	15	32	63	88	61
14	86	50	92	128	42	88	-48	++++	1892	-4	-48	-114	-54	-26	-27	-14	-6	5	13	21	109	35	94	39
15	29	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
16	****	53	37	51	40	265	19	11	14	-22	-22	-42	-29	-4	-1	-1	0	1	1	6	6	2	1	3
17	9	36	49	20	25	15	44	33	80	7	-21	18	-156	-118	-84	-6	-9	13	41	31	10	49	34	20
18	89	93	49	29	53	55	-473	177	211	----	-89	-15	-19	-9	-5	-3	-1	1	4	13	27	61	86	29
19	52	57	58	58	185	75	64	1844	10	-3	-4	-4	-4	-4	-5	-3	-2	1	4	16	49	176	40	49
20	77	64	185	58	100	125	124	++++	138	-81	-21	-17	-15	-6	-3	-2	-1	1	4	23	53	25	30	42
21	31	18	58	95	99	191	221	346	-12	-150	-92	-25	-29	-22	-15	-8	-2	1	3	39	104	26	34	25
22	179	115	71	36	34	45	-32	107	-902	-177	-56	-24	-17	-9	-7	-5	-2	2	8	22	21	45	45	18
23	34	37	32	33	22	64	106	-23	-346	-136	-65	-386	-34	-11	-11	-10	-7	3	15	14	19	44	69	30
24	116	100	140	65	126	70	265	678	180	-81	-30	-12	-12	-9	-5	-3	-1	2	5	19	119	50	52	80
25	169	37	140	118	99	36	500	737	137	-421	-26	-4	-4	-3	-3	-2	0	2	7	97	86	39	46	125
26	45	313	87	132	69	151	62	4224	5	-24	-6	-6	-7	-6	-5	-3	-1	2	5	24	87	146	75	67
27	102	125	50	265	112	92	591	594	63	-50	-11	-9	-7	-9	-4	-3	-1	2	7	20	20	152	75	39
28	29	95	174	128	50	155	1055	619	70	-167	-112	-36	-37	-23	-17	-4	-2	3	10	18	76	69	86	80
29	45	72	32	57	39	37	530	2059	144	-118	-10	-4	-4	-2	-2	-1	0	1	4	9	14	11	38	81
30	69	62	39	50	175	43	223	++++	1046	-37	-32	-9	-10	-7	-4	-4	-3	2	9	28	55	29	12	7
31	11	6	11	10	10	21	8	0	-27	-254	-139	-158	-92	-102	-263	-31	-3	12	12	14	31	162	111	26

 * PERCENT VALID HOURS FOR JULY, 1995 720*100/ 744= 96.8%
 *
 * THREE HIGHEST VALUES FOR JULY, 1995 XXXX(DD,HH) = ++++(20, 7) ++++(14, 7) ++++(30, 7) (FIRST OCCURRENCE IN MONTH)

D-7

 * SPILL TEST FACILITY RICHARDSON NUMBER 1, 0.25-2.0 M LEVELS
 * RICHARDSON NUMBER 1 TIMES 100
 * AUG, 1995
 * RINUM1

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	41	40	44	67	50	36	48	-56	-450	-705	-443	-14	-48	-138	-48	-21	-4	6	20	20	77	67	181	32
2	33	****	96	136	128	104	224	163	243	-407	----	-4	-31	-12	-7	-5	-2	3	12	19	44	40	70	133
3	70	31	71	76	52	59	164	44	-89	-178	-25	-7	-7	-5	-4	-4	-1	2	9	25	29	147	57	13
4	31	38	36	64	51	296	315	287	-464	-65	-14	-6	-6	-3	-3	-2	-1	2	7	14	110	35	40	35
5	53	74	24	39	182	141	109	++++	++++	-64	-54	-23	-5	-3	-2	-1	-1	1	6	22	39	39	43	68
6	52	51	60	134	70	63	244	134	92	-14	-5	-5	-5	-6	-6	-2	0	2	8	12	17	14	14	40
7	33	47	46	21	56	193	94	420	-54	-5	-5	-3	-2	-2	-1	-1	0	1	2	3	5	5	10	32
8	63	33	58	389	59	30	59	7	-9	-24	-63	----	-40	-12	-7	-5	-2	2	10	31	92	43	72	25
9	22	39	33	231	24	211	164	350	++++	-9	****	****	****	****	20	-1	0	2	4	13	19	42	28	22
10	32	63	37	78	48	****	5	2	1	1	0	-2	-1	0	0	-1	0	1	3	10	9	23	35	26
11	48	55	82	41	78	39	82	4	0	-1	-2	-3	-2	-2	-2	-1	0	1	4	24	130	65	80	56
12	152	90	118	147	153	108	262	7	1	0	0	-4	-5	-4	-3	-2	-1	1	4	5	9	13	13	25
13	41	29	39	92	38	59	83	341	465	-20	-42	-32	-14	-7	-6	-5	-1	4	16	20	37	105	81	212
14	177	223	89	74	98	66	39	449	2548	-27	-51	-15	-7	-4	-4	-2	0	4	16	31	212	49	36	74
15	89	36	78	98	180	92	424	781	21	-7	-2	-3	-3	-3	-2	-1	0	1	5	36	101	34	72	59
16	18	31	42	149	71	166	85	63	-1	-2	-1	-1	-1	-1	-1	-1	0	2	4	33	108	28	50	67
17	138	99	94	103	42	70	102	106	-1	-3	-2	-3	-2	-2	-3	-2	0	1	3	5	8	22	50	33
18	93	286	58	94	63	15	45	4	-21	-215	-30	-18	-101	-97	-38	-44	-10	79	8	15	22	55	83	35
19	50	83	111	77	140	95	-331	225	++++	7102	-175	-48	-59	-21	-53	-11	1	7	15	90	20	48	79	25
20	36	40	32	44	12	52	66	26	35	17	12	333	99	76	42	9	30	71	59	70	68	15	54	125
21	47	53	72	115	136	152	2267	416	19	21	959	-13	-36	-16	2	6	2	10	25	23	183	180	53	62
22	91	154	34	38	45	270	93	++++	972	139	-65	-38	-52	-37	-26	-12	-3	7	3	14	29	33	20	24
23	70	86	123	70	25	49	42	37	3205	-31	-17	-23	-5	-4	-3	-1	3	6	7	15	132	19	23	26
24	52	47	33	40	96	66	180	675	4	-1	-1	-3	-2	-3	-2	-1	0	2	9	362	102	49	59	55
25	92	181	85	113	97	132	128	99	17	-2	-1	-2	-2	-2	-2	-1	1	3	16	65	37	37	25	178
26	64	129	395	193	45	94	648	528	++++	38	51	-5	-4	-2	-1	0	1	3	18	49	62	82	121	102
27	1567	112	294	80	164	120	211	382	-1	-1	-2	-2	-2	-2	-2	-1	0	3	8	38	52	31	36	23
28	49	135	99	113	165	190	123	83	26	-2	-2	-3	-3	-2	-2	-1	0	1	3	12	96	202	39	64
29	106	72	113	52	93	117	63	420	189	-3	-5	-4	-4	-3	-3	-1	1	3	17	18	53	45	75	61
30	42	334	137	184	120	105	125	----	1004	51	-11	-6	-4	-5	-4	-3	1	6	17	25	48	71	29	23
31	38	68	53	47	58	77	1150	158	2011	5911	1155	-16	-12	-3	-3	-2	0	3	10	51	65	42	175	49

 * PERCENT VALID HOURS FOR AUG, 1995 738*100/ 744= 99.2%
 *
 * THREE HIGHEST VALUES FOR AUG, 1995 XXXX(DD,HH) = ++++(9, 8) ++++(5, 8) ++++(19, 8) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 1, 0.25-2.0 M LEVELS
 * RICHARDSON NUMBER 1 TIMES 100
 * OCT, 1995
 * RINUM1

	HOUR																									
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	***
2	****	-7	24	-11	-21	-3	-349	----	-905	----	----	-792	-217	-159	-521	-636	-52	31	35	11	12	-4	5	-1	***	
3	****	-25	5	-85	-12	-121	-17	-430	----	----	----	-640	-48	-10	-10	-8	-5	-5	0	52	6	-12	-9	6	1	***
4	****	-1	-1	-2	-1	-2	-2	-3	-4	-4	-5	-6	-7	-9	-9	-8	-5	-4	-3	-1	1	1	0	-3	3	***
5	****	11	43	1	-1	-1	-1	-2	-3	-6	-15	-22	-46	-149	-108	-146	-106	-36	-7	25	61	1	72	47	68	***
6	****	90	28	1	-31	-2	-143	----	----	-677	----	----	----	-429	----	-197	-30	-7	1	7	41	8	9	15	5	***
7	****	-5	151	35	-18	-13	-34	-214	-404	-297	----	----	----	-535	-49	-34	-20	-7	8	11	17	63	34	-3	-2	***
8	****	6	-2	40	17	-26	-45	-547	----	----	----	----	----	-156	-34	-18	-11	-6	7	7	22	29	38	39	0	***
9	****	-3	-2	6	-19	-1	-18	-26	-214	-823	----	----	-737	-258	-38	-28	-15	-7	10	16	27	16	10	36	13	***
10	****	-2	15	-6	-11	3	-13	-100	----	----	----	----	----	-638	-156	-224	-9	6	7	25	53	38	31	43	***	
11	****	31	126	6	-4	14	-23	-165	-424	-731	----	-217	-11	-5	-5	-4	-4	-4	-3	5	31	26	1	46	39	***
12	****	7	6	7	8	1	34	-29	-259	-497	----	-349	-45	-43	-69	-57	-47	-8	2	57	11	1	6	0	-1	***
13	****	0	1	0	0	0	45	0	-2	-4	-5	-8	-25	-51	-34	-32	-17	-9	2	13	57	9	6	4	-4	***
14	****	5	28	13	52	39	200	-80	-246	----	----	----	----	----	-681	-177	-67	10	10	21	14	17	26	86	***	
15	****	237	249	23	-1	38	94	-86	-183	----	----	----	----	----	-58	-9	-5	-3	5	15	16	30	8	9	20	***
16	****	8	14	28	12	82	24	-593	----	-916	----	----	----	----	----	-692	-16	13	6	29	19	18	5	9	***	
17	****	12	11	12	-3	26	9	-114	-666	-190	----	----	----	----	-783	-135	-359	17	14	14	10	41	19	171	24	***
18	****	16	27	4	27	15	25	-128	----	-133	-683	----	----	-23	-13	-13	-10	-2	18	16	31	25	35	176	11	***
19	****	22	4	3	61	54	14	-16	-52	-688	-17	-630	----	-22	-49	-241	-42	-9	6	21	7	18	21	35	143	***
20	****	114	179	209	33	18	62	-63	-225	----	----	----	----	----	-72	-17	-9	0	15	25	53	64	17	20	129	***
21	****	78	51	-1	31	5	-24	-92	----	----	-904	-357	-155	-10	-8	-5	-6	-1	35	60	2	9	3	-1	0	***
22	****	0	0	0	0	1	1	3	-1	-2	-4	-10	-14	-7	-8	-6	-3	-1	3	7	36	51	14	1	19	***
23	****	8	11	20	19	9	1	-1	-9	-48	-17	-34	-53	-120	-324	-95	-375	1142	222	33	17	54	117	127	23	***
24	****	96	64	75	11	24	11	38	----	----	-868	----	----	----	----	-154	32	15	26	37	44	20	67	37	***	
25	****	33	77	22	253	10	14	-24	-125	++++	3748	----	----	----	-124	-29	-7	4	16	18	98	24	13	26	17	***
26	****	22	14	36	10	10	2	-45	-361	----	-233	----	----	-567	----	-28	-5	-1	1	5	18	63	33	11	64	***
27	****	30	10	44	12	35	58	72	-28	-472	----	----	-359	-630	-466	-120	-14	13	10	77	32	46	70	52	16	***
28	****	30	2	-17	-8	74	59	-2	-366	-306	-338	-148	-113	----	-688	-101	47	9	9	17	42	8	9	13	13	***
29	****	5	1	-4	-3	5	16	4	5	-5	-6	-35	-42	-126	-672	-641	-183	-3	20	14	12	16	27	12	62	***
30	****	110	191	35	30	24	17	3	----	-135	-714	-193	----	-19	-11	-8	-6	1	20	31	45	20	20	28	117	***
31	****	54	34	21	17	18	30	5	-52	----	-201	-237	-36	0	-1	-4	-3	-1	9	17	21	109	60	79	43	***

 * PERCENT VALID HOURS FOR OCT, 1995 719*100/ 744= 96.6%
 *
 * THREE HIGHEST VALUES FOR OCT, 1995 XXXX(DD,HH) = ++++(25, 8) 3748(25, 9) 1142(23,16) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 1, 0.25-2.0 M LEVELS
 * RICHARDSON NUMBER 1 TIMES 100
 * NOV, 1995
 * RINUM1

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	19	25	12	13	-3	13	44	3	-799	-27	-23	-17	-19	-9	-6	-3	-2	6	7	88	31	23	41	37
2	57	11	20	11	53	6	32	20	-22	-146	-551	----	-934	-628	----	-127	91	24	13	15	15	19	61	43
3	14	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
5	****	26	38	96	71	64	67	29	----	140	----	-157	-43	-14	-2	0	4	14	122	97	38	108	45	18
6	24	69	51	26	22	18	18	-31	-116	-50	-218	-94	-15	-9	-4	-1	4	17	24	44	56	78	222	22
7	40	41	67	70	59	21	59	31	----	-322	----	----	----	----	-95	-1	10	14	13	60	33	54	44	59
8	50	19	28	16	906	29	36	-50	-35	-314	-226	-6	----	-29	-8	-1	5	24	47	49	37	56	75	280
9	51	16	7	45	20	12	112	9	-91	-178	-112	----	-23	-4	-3	0	5	42	29	22	25	18	29	57
10	88	112	25	32	60	60	59	29	21	-2	-14	-11	-14	-9	-10	7	218	273	33	51	29	42	75	42
11	27	83	49	79	50	95	27	88	293	318	-1	----	-486	-247	-11	3	11	65	54	58	42	23	48	51
12	33	39	19	12	32	21	36	21	----	233	105	----	-4	----	-63	6	13	38	28	91	103	80	68	43
13	37	38	76	208	45	52	43	43	----	----	-202	----	----	-323	1	10	27	45	18	25	49	26	42	217
14	127	26	102	96	72	20	606	102	-150	-21	-315	-325	13	-208	-148	8	35	43	94	37	30	58	1696	56
15	23	30	34	100	193	328	169	31	42	169	165	-291	----	----	-63	539	181	64	105	117	57	74	34	48
16	76	86	61	199	15	42	29	130	155	351	262	9	-6	-14	-1	5	19	19	59	112	39	89	331	110
17	194	52	138	81	34	79	106	74	-389	430	7271	320	----	1084	151	62	96	51	92	82	65	39	121	244
18	82	31	64	786	62	29	641	101	69	76	-38	-164	72	36	19	125	107	125	99	53	30	94	98	528
19	156	243	44	193	36	434	56	828	1915	256	69	3304	211	586	490	38	104	102	44	96	160	215	72	141
20	214	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	****	94	41	104	41	175	69	20	4	1	1	0	0	0	2	4	6	8	5	29	52	46	26	28
27	45	43	12	7	11	22	32	8	3	1	1	0	1	3	2	5	14	16	59	34	31	51	15	37
28	25	15	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
29	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
30	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****

 * PERCENT VALID HOURS FOR NOV, 1995 458*100/ 720= 63.6%
 *
 * THREE HIGHEST VALUES FOR NOV, 1995 XXXX(DD,HH) = 7271(17,10) 3304(19,11) 1915(19, 8) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 2, 0.50-4.0 M LEVELS JAN, 1995 *
 * RICHARDSON NUMBER 2 TIMES 100 RINUM2 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	159	10	28	8	6	8	8	15	9	9	17	23	26	5	6	7	16	23	64	47	38	44	82	1599
2	328	188	113	212	35	58	203	99	160	189	1257	++++	776	39	26	1601	110	183	42	63	516	74	90	80
3	44	45	149	24	18	48	70	193	62	++++	++++	1054	153	87	48	25	44	24	56	37	55	91	75	87
4	125	62	161	181	119	47	37	30	31	29	188	25	4	24	16	19	16	27	15	17	16	15	12	26
5	21	26	55	420	90	54	41	53	1003	45	77	93	49	7	1	2	5	25	28	82	43	34	157	244
6	106	71	116	122	204	55	206	++++	++++	147	105	8133	169	181	2045	120	132	27	56	40	151	337	83	110
7	449	32	29	26	25	10	47	6	14	8	14	23	6	11	15	22	29	50	26	16	28	39	19	21
8	102	43	27	111	39	20	93	15	29	28	67	77	21	17	87	42	15	11	37	76	15	17	16	14
9	17	33	65	13	44	39	36	24	27	15	45	35	63	4	3	5	26	38	24	17	45	107	250	136
10	42	98	56	131	65	33	31	29	28	78	113	81	375	82	110	8	33	17	49	12	16	12	18	7
11	3	2	4	11	43	34	99	22	23	680	20	3	2	2	3	3	7	51	32	50	141	272	200	167
12	90	28	88	254	151	95	398	21	44	67	351	446	5419	58	657	52	81	126	79	69	234	31	51	31
13	80	90	72	127	35	39	312	58	63	43	105	++++	266	253	775	1116	265	132	146	29	45	21	28	26
14	30	39	106	27	22	21	18	36	147	131	413	7	-3	68	65	3	15	16	21	185	4	2	3	3
15	3	4	3	3	4	5	6	7	5	2	1	-2	-1	0	6	4	2	5	38	17	31	41	314	151
16	142	82	2046	21	313	159	1911	2072	78	1227	40	-2	-48	-46	-3	3	5	8	10	12	127	36	95	104
17	536	54	1106	60	765	75	40	39	29	53	745	-101	-369	-222	-191	-4	76	25	83	38	79	38	295	167
18	1315	206	++++	752	424	16	209	1805	183	79	----	185	277	8516	++++	512	258	54	101	59	48	121	275	227
19	2060	1040	7155	++++	522	2003	255	8598	377	3075	71	455	++++	-49	177	105	20	22	42	70	58	48	224	66
20	159	5856	1049	117	1168	536	26	101	641	287	44	7376	433	70	85	10	17	26	136	69	98	49	59	497
21	32	38	25	57	37	13	11	68	222	172	381	223	++++	45	-12	0	33	22	20	582	174	65	66	126
22	486	++++	71	45	637	78	301	53	53	96	319	24	163	-32	-30	12	5	31	80	++++	231	27	17	3058
23	44	88	157	++++	65	45	75	65	166	256	461	2282	12	18	8	12	10	6	29	24	47	18	16	40
24	14	12	13	107	24	5	19	14	66	1880	++++	48	14	-1	0	4	9	18	14	87	32	10	18	15
25	15	15	21	13	20	9	37	26	19	33	79	38	7	6	4	14	12	45	26	10	17	67	19	49
26	39	23	23	10	6	6	8	20	37	12	2	-1	-1	0	1	1	13	21	34	130	293	64	49	88
27	41	103	3098	111	274	68	1191	34	140	31	206	85	12	-62	-6	45	55	26	108	29	28	31	37	147
28	30	220	50	156	884	73	46	70	85	18	-88	256	-204	-647	-243	-63	78	34	76	187	61	185	41	105
29	186	128	83	129	1010	68	56	172	71	66	489	-147	720	2137	-31	96	34	82	70	72	46	65	173	30
30	133	88	748	77	495	270	839	2495	67	31	71	20	32	----	-2	1867	56	81	81	31	76	84	93	67
31	124	599	154	88	34	14	39	48	88	84	4	84	75	59	++++	135	137	43	124	96	83	72	99	243

 * PERCENT VALID HOURS FOR JAN, 1995 744*100/ 744=100.0% *
 *
 * THREE HIGHEST VALUES FOR JAN, 1995 XXXX(DD,HH) = ++++(18, 2) ++++(19, 3) ++++(2,11) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY RICHARDSON NUMBER 2, 0.50-4.0 M LEVELS
 * RICHARDSON NUMBER 2 TIMES 100
 * FEB, 1995
 * RINUM2

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	215	293	244	23	26	35	68	105	96	332	17	612	275	-104	-55	58	36	77	42	71	764	61	761	214
2	111	108	1377	209	97	112	244	352	2960	73	97	13	-176	-260	10	12	19	15	17	49	34	47	45	75
3	74	171	1151	4636	141	105	51	37	47	1082	542	454	2660	117	46	56	62	42	28	38	49	164	1073	++++
4	222	802	215	592	270	492	341	1139	1487	552	2086	425	518	654	299	-368	2497	64	37	696	731	147	121	5386
5	5848	629	553	2856	++++	8439	150	8211	839	77	240	++++	2040	-324	-8	197	409	25	30	397	645	185	632	210
6	516	245	520	413	309	1285	1329	474	713	++++	4705	++++	++++	-220	268	720	271	16	26	53	89	727	316	++++
7	2226	2734	2917	568	++++	703	1587	554	132	126	749	4842	356	907	30	5	38	72	91	44	39	30	33	61
8	64	36	13	10	9	6	9	8	4	2	0	-1	-2	-7	-4	2	6	13	23	30	31	120	68	270
9	821	319	25	40	78	1249	484	246	433	114	-110	-115	-835	-112	-65	68	167	60	48	156	647	168	69	2222
10	233	136	105	67	305	1400	200	116	112	104	12	-40	-14	-4	1	12	34	38	32	94	207	71	130	236
11	59	117	292	38	135	++++	++++	446	127	401	29	24	0	0	1	4	8	27	26	141	605	21	74	214
12	307	157	213	56	170	460	476	85	246	1297	-25	-22	-7	-2	0	2	4	30	68	79	56	119	297	64
13	111	115	194	140	125	43	76	104	++++	191	19	1	0	1	1	1	2	5	2	3	2	2	2	2
14	2	2	1	2	3	4	5	3	2	1	1	2	2	0	10	42	16	18	7	13	22	9	13	154
15	55	31	40	75	152	59	92	7437	151	++++	179	++++	-707	-119	410	134	162	76	90	46	36	68	166	58
16	3577	221	594	180	282	142	3754	74	46	97	-449	-192	214	-11	209	298	103	59	75	73	65	66	56	107
17	732	281	217	100	133	365	63	80	418	2503	738	109	----	-443	-45	-54	71	447	26	355	45	160	101	48
18	36	62	34	137	183	313	5717	1158	268	108	106	30	-111	-22	-10	59	127	302	46	11	15	115	56	29
19	89	48	598	314	123	231	77	1298	455	++++	-500	488	7	1	2	4	8	11	45	173	56	367	107	53
20	320	164	199	977	91	72	80	118	++++	951	++++	3412	2330	156	209	36	99	59	64	38	80	191	469	144
21	++++	181	++++	1926	586	414	1498	143	-1	++++	1628	++++	239	1	3	4	5	14	40	128	168	72	120	60
22	140	122	119	100	454	58	73	52	742	625	3331	71	13	-14	17	96	78	43	29	56	344	114	714	1404
23	597	170	163	377	62	165	369	1391	620	8949	40	133	6	0	-45	28	107	722	114	126	148	119	54	127
24	494	992	++++	991	1766	251	1749	824	50	6152	1176	617	592	404	-68	108	53	41	63	163	47	22	36	34
25	24	34	139	125	++++	43	87	384	244	92	84	2	-6	-5	-2	2	6	5	5	25	26	104	53	72
26	64	194	326	79	128	100	184	1977	281	2264	452	402	29	-16	-1	4	9	20	86	102	21	68	755	98
27	194	++++	355	++++	395	2642	1850	++++	2296	----	233	27	2	-1	1	5	10	16	4	9	11	27	65	98
28	43	38	60	60	24	106	43	2	39	20	37	64	22	25	-15	-419	176	103	25	38	20	8	26	12

 * PERCENT VALID HOURS FOR FEB, 1995 672*100/ 672=100.0%
 *
 * THREE HIGHEST VALUES FOR FEB, 1995 XXXX(DD,HH) = ++++(27, 7) ++++(20,10) ++++(21,11) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 2, 0.50-4.0 M LEVELS MAR, 1995 *
 * RICHARDSON NUMBER 2 TIMES 100 RINUM2 *
 *

	HOUR																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY*																								
1	65	189	238	1850	243	147	183	102	115	33	-5	-7	-2	-2	-1	2	7	13	31	70	253	72	964	53
2	119	23	+++	93	41	57	153	795	634	25	+++	-774	-19	0	1	1	2	9	51	25	54	45	79	71
3	88	42	44	23	9408	27	39	8	4	2	1	1	1	0	1	1	2	3	4	17	11	11	32	12
4	10	15	64	57	163	346	+++	83	2251	566	-19	4	-28	-12	-2	0	4	8	26	137	197	152	27	60
5	85	4	4	4	6	12	66	14	3	2	1	0	0	1	3	2	2	2	2	2	16	6	57	82
6	82	25	4	3	4	3	5	4	2	0	-5	-9	-29	-174	-91	-39	-6	86	57	16	33	39	167	183
7	660	73	93	49	218	173	74	172	80	731	----	-118	-144	-61	-24	3	9	19	31	30	24	33	42	157
8	856	127	+++	77	326	100	408	285	5616	139	63	318	69	0	1	3	129	232	57	53	30	39	27	45
9	54	+++	71	150	121	92	31	174	20	108	88	293	-1	-22	1	2	4	6	7	8	9	5	5	10
10	19	34	60	9	11	58	14	7	58	98	2089	356	25	28	21	31	40	23	16	8	11	13	25	31
11	10	10	22	118	35	38	98	10	19	5	2	0	0	0	0	1	2	4	8	6	14	22	55	83
12	36	122	47	27	91	184	69	232	128	45	-172	-7	-58	-13	-6	-3	4	14	21	61	114	65	127	66
13	85	131	74	187	58	99	147	59	132	586	-86	2541	423	-220	69	207	2650	5775	155	40	18	47	51	101
14	322	907	101	100	204	148	121	162	-504	1764	859	+++	-257	-194	-208	-20	14	13	22	29	129	130	297	60
15	47	108	71	29	75	118	69	-175	-44	-211	****	+++	1223	-172	657	-10	12	18	23	26	142	51	90	60
16	91	136	100	105	54	26	68	71	2220	346	+++	2424	86	109	115	128	72	281	57	57	68	57	433	42
17	71	103	60	42	61	58	68	31	42	-156	228	796	-349	-33	-12	1	11	18	16	44	45	49	68	61
18	74	118	58	98	25	29	64	14	29	-43	28	147	10	-6	1	1	4	8	18	49	46	69	51	24
19	101	70	36	73	32	99	52	105	33	8	5	-11	-49	-318	-112	-3	7	9	18	24	199	106	62	44
20	731	44	56	+++	128	21	45	24	----	143	18	12	1	1	1	1	1	2	2	2	2	2	2	1
21	1	1	1	1	1	1	1	0	0	-1	1	1	0	1	0	0	1	1	2	2	3	3	6	35
22	76	79	15	15	94	47	205	215	21	1218	5	-18	-5	-2	-1	-1	0	2	3	21	36	110	29	327
23	30	1065	68	36	72	17	18	24	35	0	1	1	1	10	18	0	2	4	15	30	67	45	39	60
24	262	96	+++	2264	77	1030	81	148	777	-1	-13	-5	-85	-17	-3	0	2	4	26	22	12	20	99	265
25	194	91	70	3831	178	266	319	126	14	-1	-3	-5	-13	-13	-9	-3	4	17	17	162	254	52	24	480
26	74	129	39	29	78	119	76	44	50	-3	-246	-72	-64	-257	-539	-73	-20	45	53	18	114	84	170	142
27	396	45	2016	204	106	445	+++	49	2	-1	-3	-4	-5	-4	-3	-1	1	5	12	11	9	52	32	42
28	33	52	106	27	10	41	183	138	1	-6	-5	-10	-14	-16	-12	-6	1	3	8	19	135	264	12	13
29	11	47	27	141	13	120	70	120	----	----	-77	-64	-86	-79	-46	-23	-6	11	16	17	11	12	13	12
30	98	81	129	74	90	127	14	5	0	-2	-6	-14	-17	-23	-19	-17	3	29	38	40	59	56	47	2247
31	8844	302	278	293	671	181	567	82	1843	1750	+++	-453	-975	-274	-26	-52	23	74	20	29	261	200	215	58

 * PERCENT VALID HOURS FOR MAR, 1995 743*100/ 744= 99.9% *
 *
 * THREE HIGHEST VALUES FOR MAR, 1995 XXXX(DD,HH) = ++++(2, 2) ++++(16,10) ++++(20, 3) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY RICHARDSON NUMBER 2, 0.50-4.0 M LEVELS
 * RICHARDSON NUMBER 2 TIMES 100
 * APR, 1995
 * RINUM2

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	122	802	542	699	108	165	73	120	4607	2717	3023	-10	-8	-3	-2	-1	3	4	21	40	34	8	5	25
2	104	50	60	415	82	377	134	7	1	-1	-6	-9	-7	-5	-6	-1	1	3	15	19	90	13	21	15
3	26	43	20	15	6	13	83	47	4	-19	-80	-88	-277	-152	-99	-49	-63	144	165	35	45	7572	468	83
4	152	180	176	222	++++	450	614	1652	121	334	6042	-350	-82	-23	-12	-7	-1	10	24	59	50	++++	226	89
5	103	454	120	111	127	197	604	56	2177	377	-122	-52	-23	-14	-4	-3	1	10	79	38	72	281	98	293
6	72	257	451	301	830	148	113	258	52	-2	-5	-3	-3	-4	-2	0	1	4	46	452	105	47	25	106
7	161	157	239	129	36	43	30	79	6	4074	-18	-26	-28	-6	-2	-2	-1	3	188	90	7	4	7	17
8	10	6	10	23	46	46	29	4	-16	-89	-143	-52	-17	-9	-4	-5	-2	5	12	12	10	2	2	2
9	2	4	7	3	5	2	2	-1	-3	-5	-7	-10	-11	-8	-5	-2	-1	1	2	3	4	4	3	14
10	8	6	5	17	7	6	6	0	-5	-13	-22	-39	-15	-26	-21	-13	-1	9	23	25	20	79	249	39
11	108	37	44	128	149	203	169	3253	49	-183	-112	-575	-210	-629	-155	-269	-19	9	13	22	65	133	1021	106
12	602	107	31	122	93	104	104	293	677	++++	-264	-100	-41	-10	-4	-2	0	3	9	18	65	90	497	197
13	65	312	151	36	33	33	25	7	0	-1	-1	-2	-3	-2	-1	-1	0	0	0	1	1	13	14	6
14	10	32	21	66	52	124	117	7	2	-8	-12	-74	-224	-155	-73	-36	-7	9	17	32	152	67	66	86
15	146	73	44	47	95	40	13	0	-4	-287	-301	-32	-22	-14	-22	-8	-2	2	4	7	4	2	3	2
16	3	5	13	22	8	9	5	5	1	-1	-2	-6	-3	-3	-3	-1	0	6	7	6	11	20	18	58
17	40	49	1140	58	45	111	119	30	-9	-9	-21	-23	-29	-11	-5	-2	0	2	3	2	2	2	2	7
18	53	****	15	8	15	14	5	2	0	0	6	8	27	167	18	22	115	4849	219	56	42	332	158	57
19	83	133	73	315	68	51	2480	140	3	-48	-30	-23	-12	-1	5	3	5	16	14	19	325	50	110	30
20	51	52	72	57	161	226	8	2	0	0	-3	-5	-10	-10	-1	-1	0	1	5	7	4	11	27	242
21	277	800	70	29	91	148	235	8	0	-2	-4	-4	-6	-8	-6	0	1	2	6	8	6	6	22	94
22	150	106	53	41	43	101	6	3	-1	-8	-17	-25	-17	-25	-14	-10	-1	3	17	77	196	53	106	56
23	61	114	45	297	68	192	53	9	-10	-8	-15	-23	-24	-34	-30	-22	-1	78	257	27	53	65	1707	337
24	84	382	294	474	285	471	107	3087	107	-111	2057	-86	-134	-49	-32	-11	-3	7	22	25	201	1023	85	++++
25	193	175	407	5536	1294	418	1307	1166	177	101	-73	-28	-11	-6	-4	-2	0	3	12	35	129	94	112	422
26	64	****	22	92	47	26	34	-1	----	-40	19	-137	-86	-44	-100	-8	-1	13	19	74	56	10	27	71
27	138	85	146	36	32	51	135	8	-3	-2	-2	-3	-4	-3	-3	-2	0	1	2	2	5	5	11	10
28	28	31	55	36	139	1656	54	-55	-92	-27	-35	-28	-22	-12	-7	-7	-4	1	9	42	104	214	15	34
29	24	55	34	51	33	16	27	-21	-11	-10	-10	-10	-6	-5	-5	-4	-1	1	1	4	8	7	10	7
30	11	21	76	46	33	73	33	-31	-335	-59	-49	-30	-70	-36	-64	-49	-6	1	9	11	33	116	++++	26

 * PERCENT VALID HOURS FOR APR, 1995 718*100/ 720= 99.7%

 * THREE HIGHEST VALUES FOR APR, 1995 XXXX(DD,HH) = ++++(4,21) ++++(24,23) ++++(12, 9) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 2, 0.50-4.0 M LEVELS MAY, 1995 *
 * RICHARDSON NUMBER 2 TIMES 100 RINUM2 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	2789	161	87	37	35	167	3559	90	-518	-27	-10	-7	-6	-6	-4	-2	-1	0	1	1	1	2	3	5
2	2	20	13	20	73	98	28	-313	-376	-49	-20	-35	-51	-31	-26	-15	-8	2	16	31	100	171	37	39
3	65	52	58	55	110	30	8	-36	----	-234	-374	-137	-121	-26	-24	-18	-11	2	22	41	16	69	54	249
4	201	187	473	194	141	3695	735	-207	-50	-56	-8	-3	-3	-2	-1	-2	-1	1	8	19	6	11	7	50
5	29	14	2	2	2	2	0	0	-2	-3	-2	0	0	-2	1	0	0	1	3	3	3	6	5	2
6	2	2	3	3	18	18	2	-8	-10	-17	-26	-112	-81	-85	-19	-28	-10	-7	2	7	39	42	48	24
7	16	32	44	81	90	33	8	-7	-10	-12	-10	-14	-9	-20	2	0	2	2	10	41	106	39	15	17
8	51	34	48	39	79	121	66	923	-264	-276	-29	-59	-43	-22	-41	-75	-12	1	13	28	23	312	61	42
9	536	299	6829	1133	308	2477	9274	154	----	-180	-260	-35	-26	-19	-14	-7	-3	1	14	36	25	25	157	14
10	56	55	36	55	39	70	74	-176	-891	----	-45	-244	-51	-31	-34	-19	-10	2	18	17	113	906	134	1964
11	163	458	107	39	54	55	13	-12	-69	-25	-18	-17	-14	-7	-6	-4	-3	0	6	7	5	5	13	32
12	18	29	113	72	174	20	2	-4	-18	-22	-52	-96	-15	-10	-12	-10	-4	-1	3	11	9	4	3	7
13	8	9	15	10	11	33	32	-72	-116	-9	-3	-4	-3	-4	-3	-2	-2	-1	1	3	4	5	14	7
14	40	71	29	188	156	145	----	-5	----	-160	-56	-83	-33	-18	-10	-9	-4	-5	13	27	18	229	32	5
15	1	1	4	30	19	10	14	-16	-195	-274	----	-121	-43	-85	-68	-36	-20	-1	12	16	30	94	45	52
16	74	124	123	69	318	1702	15	30	-712	----	-252	-86	-12	-10	-4	-4	-3	0	4	19	66	145	219	37
17	54	28	3673	61	146	122	-3	49	-593	-759	-157	-86	-46	-23	-17	-14	-16	-1	7	16	67	51	155	379
18	97	82	63	704	170	716	265	----	86	-88	-25	-25	-21	-23	-23	-29	-11	-1	15	22	++++	69	43	1603
19	44	25	21	36	125	1964	319	39	----	-893	-223	-123	-45	-81	-36	-25	-14	2	10	28	85	166	64	298
20	45	405	516	93	336	9961	31	54	++++	----	-111	-37	-38	-45	-15	-8	-3	1	13	56	51	21	46	23
21	51	100	172	3477	243	358	30	121	-607	-212	-162	-14	-9	-3	-2	-1	-1	1	6	23	586	95	96	43
22	85	143	278	33	122	18	4	-4	-10	-44	-24	-12	-13	-7	6	12	4	4	3	5	7	60	38	45
23	88	45	25	38	218	42	-8	-64	-144	-66	-7	-1	8	30	1	-4	0	4	13	12	24	24	33	95
24	39	68	300	262	66	54	10	-6	-8	-10	-6	-9	-3	****	3	5	8	14	5	6	42	39	63	31
25	38	327	63	32	33	81	49	31	-67	-108	-1	-13	-21	-2	-5	0	6	9	4	6	16	8	23	53
26	29	26	43	55	34	22	24	-54	-112	-18	-21	-38	-23	-37	-13	-7	-3	1	11	42	62	108	82	71
27	51	31	21	24	354	80	593	-30	431	-20	3	1	-5	-6	-22	-6	-2	16	32	12	10	36	43	58
28	56	39	112	439	127	356	32	-298	-473	-94	-23	-26	-39	-25	-26	-7	-6	0	3	21	43	53	32	60
29	176	279	550	143	32	209	793	-388	----	-68	-63	-28	-112	-14	-24	-26	-5	-1	4	31	49	42	31	24
30	31	43	31	175	573	334	-39	-321	-453	-475	-208	-130	-143	-57	-27	-14	-5	-1	9	19	53	111	97	46
31	315	70	38	135	716	7127	----	1051	-74	-35	-360	-59	-26	-74	-24	-7	-2	1	8	17	28	379	121	53

 * PERCENT VALID HOURS FOR MAY, 1995 743*100/ 744= 99.9% *
 *
 * THREE HIGHEST VALUES FOR MAY, 1995 XXXX(DD,HH) = ++++(20, 8) ++++(18,20) 9961(20, 5) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY RICHARDSON NUMBER 2, 0.50-4.0 M LEVELS
 * RICHARDSON NUMBER 2 TIMES 100
 * JUNE, 1995
 * RINUM2

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	406	878	726	289	142	42	++++	-802	----	-56	-20	-6	-2	11	0	0	2	3	3	1	15	34	85	15
2	14	31	50	58	28	95	-298	-61	-875	-140	-19	-15	-14	-9	-5	-6	-5	1	1	4	20	18	14	38
3	73	62	71	71	43	57	-385	-274	-36	-47	-50	-80	-75	-14	-15	-16	-13	-3	28	34	22	35	56	40
4	461	205	266	69	2462	135	-29	-28	-102	-964	----	-131	-32	-22	-24	-17	-10	-2	7	15	60	28	229	26
5	57	76	79	80	50	2853	1	6	-18	-9	-3	-4	-3	-3	-2	-1	-1	0	1	4	4	13	9	23
6	49	31	15	29	70	51	244	19	-532	-74	-122	-180	-46	-41	-33	-36	-5	-2	0	0	0	0	0	0
7	-1	8	5	11	42	4	-4	-23	-337	-71	-157	-14	-33	-30	-14	-46	2	0	2	7	10	49	64	60
8	61	374	105	272	78	146	6424	-22	-70	-40	-32	-60	-28	-13	-10	-5	-2	0	5	16	67	60	307	340
9	166	206	108	48	1673	1057	40	++++	----	-406	-412	-73	-104	-78	-85	-93	-94	-42	23	23	22	98	117	27
10	166	58	16	124	1816	42	-226	----	-20	----	-575	----	-339	-140	-79	-289	-339	-70	88	34	45	122	56	34
11	396	69	50	274	2706	8313	-193	-221	-457	----	----	-193	-52	-16	-8	-5	-3	0	7	31	42	30	620	78
12	55	47	410	483	124	92	14	++++	-54	-45	-8	-7	-8	-7	-7	-6	-3	0	6	22	63	131	1396	280
13	915	145	42	47	5558	94	0	-172	-55	-20	-5	-6	-6	-6	-6	-4	-2	0	3	9	111	197	39	33
14	27	28	34	45	676	270	1203	56	-40	-9	-4	-4	-4	-2	-2	-1	-1	1	3	4	6	18	24	28
15	13	8	9	14	9	13	3	0	-2	-3	-3	-3	-4	-3	-2	-1	-1	-1	0	1	0	2	2	2
16	2	2	1	1	5	4	0	-2	-1	-2	-4	-3	-2	-6	-19	-14	-6	-2	0	2	8	24	39	106
17	111	43	930	373	9466	116	-67	-215	-511	-648	-168	-57	-61	-23	-17	-11	-10	-5	3	14	17	108	174	82
18	154	176	++++	260	++++	956	1251	-399	----	-955	-580	-59	-27	-12	-5	-4	-2	-1	2	5	20	15	115	1850
19	32	36	237	188	1217	1490	1062	-400	-127	-72	-39	-22	-14	-7	-4	-5	-4	-1	3	77	110	118	68	7408
20	43	42	121	153	191	29	56	----	-120	-35	-29	-12	-10	-12	-15	-12	-6	-2	1	4	11	8	8	4
21	3	3	7	14	10	5	-2	-14	-69	-217	-124	-83	-257	-210	-84	-21	-18	-7	9	23	28	32	143	49
22	2723	31	19	23	146	39	3	-295	-744	-255	-599	-166	-195	-49	-132	-108	-163	-12	157	18	86	72	23	59
23	52	310	26	57	199	110	-21	-538	-456	-77	-29	-48	-64	-19	-102	-29	-14	-4	10	16	20	34	29	266
24	58	18	19	28	52	32	6	-31	-4	-8	-14	-28	-43	-17	-60	-19	-9	-5	15	18	21	18	129	1329
25	683	++++	165	355	70	903	47	-416	-539	-161	-46	-37	-57	-41	-30	-34	-3	5	6	46	223	344	22	106
26	24	29	69	109	47	62	-402	-10	3	-76	-43	-47	-67	-42	-20	-2	-2	4	3	10	17	17	21	17
27	14	22	93	65	19	424	-52	----	-259	----	-184	-54	-20	-21	-12	-7	-4	-1	8	17	97	29	74	66
28	160	43	29	156	21	33	48	-130	----	----	-246	-45	-22	-14	-11	-8	-6	0	10	4	1	4	14	5
29	8	16	22	17	41	3870	-86	-205	-417	-353	-111	-87	-89	-41	-37	-3	-2	-1	1	1	1	1	3	5
30	22	887	31	46	70	64	19	----	-593	-328	-210	-103	-55	-40	-22	-14	-4	-2	4	20	1	8	20	26

 * PERCENT VALID HOURS FOR JUNE, 1995 720*100/ 720=100.0%
 *
 * THREE HIGHEST VALUES FOR JUNE, 1995 XXXX(DD,HH) = ++++(18, 4) ++++(25, 1) ++++(9, 7) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 2, 0.50-4.0 M LEVELS
 * RICHARDSON NUMBER 2 TIMES 100
 * JULY, 1995
 * RINUM2

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	27	15	2495	37	102	118	-38	----	----	----	-169	-159	-107	-31	-25	-16	-4	-2	4	18	13	8	37	58
2	68	103	48	35	26	33	----	----	-502	----	-403	-101	-49	-21	-16	-9	-6	-2	1	8	20	65	36	110
3	82	58	35	64	27	91	41	-80	-220	-66	-29	-24	-19	-18	-11	-7	-4	-1	2	7	15	91	138	35
4	89	192	22	37	87	80	-66	-20	-79	-125	-49	-27	-368	-266	-41	-38	-69	-21	13	17	27	112	216	98
5	146	1090	444	822	365	145	3504	-222	----	-989	-331	-34	-24	-20	-9	-8	-5	-1	4	15	17	76	67	60
6	19	16	63	84	457	831	225	-30	-87	-6	-5	-5	-5	-4	-4	-4	-3	-1	4	12	17	27	29	37
7	21	12	35	158	232	2590	488	37	----	-902	-12	-6	-7	-10	-6	-5	-2	2	11	32	276	109	63	61
8	63	69	93	168	4045	53	0	-7	-37	-222	-333	-62	-12	-33	-58	-2	-1	-1	90	182	42	155	41	26
9	37	84	52	56	175	1898	-127	-135	-7	-29	-7	-7	-10	-7	-6	-4	-3	-1	3	6	5	8	8	145
10	33	100	283	530	107	842	-4	-17	2	0	-5	-3	-4	-4	-2	-1	0	1	4	11	32	55	74	143
11	63	481	236	277	35	58	63	-11	-10	-4	-5	-5	-6	-6	-5	-3	-2	0	1	4	8	7	8	40
12	128	1006	197	144	1005	117	11	-1	-3	-3	-4	-5	-4	-5	-5	-4	-2	0	4	14	117	29	35	25
13	146	54	74	126	28	46	9	-30	-167	-446	-359	-174	-75	-20	-35	-33	-26	-4	11	16	32	117	565	466
14	9631	129	357	++++	47	95	-608	----	-147	----	-134	-237	-81	-59	-58	-32	-21	-5	13	27	5080	84	++++	96
15	38	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
16	****	348	222	183	661	433	-17	-48	-81	-58	-64	-179	-86	-10	-4	-3	-2	-1	0	3	4	1	1	2
17	6	25	57	14	23	9	26	27	-17	-26	-201	-950	-400	-231	-123	-16	-22	-5	11	24	8	44	40	23
18	356	++++	254	50	212	238	-904	-537	----	----	-221	-39	-33	-19	-11	-6	-4	-1	3	12	24	173	192	28
19	56	34	61	84	2754	540	19	----	-64	-8	-10	-9	-8	-9	-10	-8	-5	-2	3	14	62	1728	84	64
20	155	206	285	593	4669	2333	-52	150	-37	-161	-46	-36	-30	-13	-6	-6	-4	-1	4	25	140	21	35	71
21	79	27	143	407	959	++++	3715	1007	-34	-169	-180	-51	-51	-42	-31	-17	-6	-1	3	45	122	18	35	18
22	775	377	107	382	37	37	-71	38	-852	-521	-147	-45	-36	-19	-14	-12	-8	-3	7	21	31	48	44	29
23	54	50	50	77	41	109	54	-130	-358	----	-708	-195	-61	-25	-22	-22	-22	-4	13	14	18	61	640	71
24	1000	245	++++	565	1586	351	108	58	-63	-114	-75	-23	-22	-19	-11	-8	-5	0	4	22	135	52	125	130
25	860	86	641	1593	723	121	514	----	-790	----	-55	-10	-9	-8	-7	-5	-2	0	8	117	106	32	47	201
26	270	701	233	517	678	343	++++	++++	-52	-51	-16	-13	-14	-14	-11	-8	-5	0	5	23	85	436	90	162
27	167	278	103	1054	485	93	186	142	-45	-94	-27	-18	-16	-20	-10	-9	-5	0	7	21	19	121	309	53
28	48	311	6719	868	187	5821	3571	----	-556	-95	-108	-45	-42	-32	-27	-10	-9	-1	8	19	96	66	74	176
29	64	215	77	703	94	163	197	33	-260	-161	-20	-9	-8	-5	-4	-3	-2	0	4	9	13	13	47	44
30	104	192	57	69	++++	63	928	----	-179	-161	-79	-19	-18	-14	-9	-10	-11	-2	7	35	43	22	11	6
31	9	5	11	9	9	22	5	-4	-34	-192	-260	-131	-237	-346	-92	-22	-15	-13	10	15	39	497	176	41

 * PERCENT VALID HOURS FOR JULY, 1995 720*100/ 744= 96.8%
 *
 * THREE HIGHEST VALUES FOR JULY, 1995 XXXX(DD,HH) = ++++(30, 4) ++++(18, 1) ++++(14,22) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 2, 0.50-4.0 M LEVELS
 * RICHARDSON NUMBER 2 TIMES 100
 * AUG, 1995
 * RINUM2
 * *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	51	66	++++	290	85	35	60	-195	-705	----	----	-356	-117	-65	-50	-42	-20	-4	20	21	30	107	303	39
2	37	****	++++	599	++++	++++	74	-233	----	-448	----	-345	-39	-23	-16	-14	-7	-2	10	19	45	35	137	150
3	283	42	127	138	218	208	4123	-39	-257	-781	-64	-15	-15	-10	-9	-10	-6	-1	8	24	31	274	101	12
4	23	49	95	97	77	613	151	-114	----	-411	-34	-14	-13	-7	-8	-6	-4	-1	6	14	293	42	163	47
5	98	88	54	183	128	++++	----	----	----	-216	-347	-39	-12	-7	-5	-4	-3	0	6	29	34	38	45	48
6	55	71	316	155	370	71	++++	-41	-224	-40	-10	-9	-11	-13	-14	-6	-2	0	8	12	17	13	14	38
7	52	69	49	17	66	872	95	-44	-28	-14	-13	-8	-6	-5	-4	-3	-1	0	1	2	5	5	10	38
8	60	32	35	666	60	31	22	-43	-110	-47	-117	-226	-57	-24	-14	-12	-7	-1	8	26	73	34	161	39
9	34	44	64	979	322	329	1183	----	-49	21	****	****	****	****	1	1	2	-3	-10	-15	-5	-9	2	3
10	-21	-153	-9	-19	-7	****	7	1	0	-1	-1	-4	-3	-2	-2	-3	-2	0	3	11	9	19	27	23
11	63	75	94	42	60	35	62	-2	-2	-4	-5	-6	-5	-5	-4	-4	-2	0	4	21	89	86	261	60
12	170	99	227	232	298	116	239	4	0	-2	-2	-8	-11	-10	-7	-6	-5	-2	3	4	9	11	11	22
13	35	26	36	129	47	159	78	-119	----	-169	-110	-67	-29	-14	-13	-12	-7	0	15	26	60	191	118	264
14	1235	3489	148	87	127	93	-2	-198	----	-96	-240	-35	-13	-8	-8	-6	-3	1	16	45	334	45	80	71
15	156	44	120	408	301	1209	1772	521	-35	-19	-5	-7	-6	-5	-4	-3	-2	0	5	41	69	30	83	103
16	21	18	29	220	149	1314	87	22	-8	-5	-3	-3	-3	-3	-3	-3	-2	1	4	33	88	24	34	65
17	133	134	301	165	66	142	142	32	-23	-6	-5	-6	-4	-4	-6	-5	-3	0	3	5	7	22	50	54
18	80	305	93	112	141	26	47	-117	-87	----	-555	-620	-246	-213	-94	-182	-128	29	7	18	29	74	166	44
19	59	129	427	115	334	126	-222	677	----	----	----	-198	-154	-41	-124	-24	-7	-2	9	118	28	59	104	22
20	29	23	18	20	4	36	37	5	5	1	-11	-11	-20	-29	-35	-13	2	24	48	56	52	71	47	147
21	92	39	72	60	520	185	441	480	-1	-104	----	-128	-101	-61	-12	-2	-4	2	19	15	326	386	47	70
22	358	89	42	73	71	++++	++++	++++	7379	-224	-280	-87	-128	-74	-34	-34	-22	-3	1	8	28	24	18	27
23	99	58	295	68	15	38	32	-27	-750	-242	-75	-50	-11	-7	-8	-3	-1	1	7	16	74	18	24	31
24	55	32	22	33	182	59	130	1302	-10	-4	-4	-6	-5	-7	-4	-4	-2	1	9	878	99	205	87	48
25	76	155	144	291	266	210	2792	19	-37	-6	-4	-6	-5	-5	-4	-4	-1	3	15	71	35	59	52	172
26	84	206	948	331	193	124	868	92	-848	-28	----	-11	-9	-6	-3	-2	-1	2	19	60	44	130	166	189
27	502	289	796	215	313	310	215	683	-53	-3	-4	-5	-5	-5	-4	-3	-1	2	9	70	107	28	31	18
28	64	139	80	122	640	233	69	-80	-60	-9	-6	-8	-7	-5	-5	-3	-1	1	3	11	95	164	54	78
29	235	125	302	102	116	146	268	-369	-45	-70	-11	-10	-8	-8	-7	-3	-1	2	16	22	77	35	50	121
30	72	330	318	831	146	140	123	----	798	-87	-30	-15	-10	-11	-10	-9	-3	5	17	32	60	99	39	32
31	41	141	53	141	98	92	145	++++	----	----	----	-40	-24	-7	-7	-7	-2	1	7	42	64	28	954	136

 * PERCENT VALID HOURS FOR AUG, 1995 738*100/ 744= 99.2%
 *
 * THREE HIGHEST VALUES FOR AUG, 1995 XXXX(DD,HH) = ++++(1, 2) ++++(2, 5) ++++(22, 6) (FIRST OCCURRENCE IN MONTH)
 *
 * *****

 * SPILL TEST FACILITY RICHARDSON NUMBER 2, 0.50-4.0 M LEVELS
 * RICHARDSON NUMBER 2 TIMES 100
 * SEPT, 1995
 * RINUM2

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	139	131	66	54	66	121	101	-87	-11	57	-51	-2	-3	-10	-15	-9	-8	-1	9	8	115	13	17	46
2	42	65	26	176	151	140	129	-172	-184	----	-346	-47	-9	-7	-17	-4	0	3	8	11	38	115	53	133
3	79	92	142	117	45	594	97	-292	-33	-52	-883	-221	-70	-54	-33	-10	-14	-1	6	20	94	33	11	21
4	5	35	81	54	65	24	-10	-191	-137	-8	-5	-6	-6	-5	-3	-3	-2	1	8	57	53	63	408	246
5	452	127	57	251	292	75	102	-316	-125	-49	-16	-10	-9	-7	-9	-7	-2	6	23	54	44	54	98	278
6	153	96	39	63	120	101	305	427	-8	-159	-543	-64	-13	-11	-9	-6	-4	3	14	26	29	5	15	15
7	10	10	20	14	27	20	12	9	-43	-24	-6	-6	-8	-6	-5	-4	0	3	9	192	49	26	23	33
8	58	67	389	47	66	163	45	1342	24	-67	-29	-20	-13	-11	-9	-6	-1	5	22	71	18	40	54	170
9	42	47	70	246	115	655	429	983	218	-26	-350	-69	-48	-17	-7	-2	0	2	38	571	24	89	147	248
10	336	47	102	122	240	516	2378	202	188	430	----	-260	-22	-13	-6	-3	0	6	39	35	24	90	58	124
11	208	128	1269	1942	235	203	82	1905	2206	++++	-860	-708	-158	-29	-25	-11	-2	15	24	43	170	252	199	159
12	285	472	371	272	452	81	334	326	2183	199	5816	----	-590	-251	-280	-137	24	87	22	79	133	105	46	291
13	526	356	59	192	68	89	838	53	1231	++++	----	-566	-396	-147	-99	-93	-20	37	61	29	166	70	41	72
14	65	170	149	234	235	565	++++	-483	497	1799	-150	----	-154	-43	-25	-32	18	75	26	39	52	59	127	162
15	111	128	192	214	220	162	318	24	1251	489	-81	----	-53	-69	-148	-27	-5	16	31	34	106	5879	584	47
16	827	82	47	148	149	160	1494	-31	22	-38	-44	-11	-8	-6	-4	-3	0	3	9	5	6	10	35	76
17	127	48	33	134	30	129	278	969	-2	-3	-7	-12	-20	-22	-13	-6	-1	7	23	120	42	97	36	104
18	62	27	74	121	599	105	242	++++	-133	-220	-102	-95	-61	-38	-15	-11	0	6	12	37	80	33	67	160
19	82	86	368	413	410	201	2423	5525	6085	----	----	-636	-29	-53	-39	-19	-1	10	25	75	574	106	144	51
20	98	376	94	746	5236	3593	203	-651	-126	-8	-48	-16	-11	-6	-4	-2	1	8	16	142	76	91	173	132
21	42	4	3	3	3	3	2	0	-2	-4	-7	-13	-12	-14	-19	-8	0	7	14	19	18	33	185	24
22	28	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	****	85	525	249	145	220	++++	7432	-177	493	-246	-381	-275	-183	-59	-7	0	9	19	38	96	105	47	37
25	108	73	458	80	107	43	339	277	-121	-28	-168	-21	-4	-3	-2	-1	1	5	70	21	39	33	83	397
26	457	154	194	540	390	++++	++++	----	58	-68	-37	-23	-27	-15	-8	-3	0	5	55	88	42	62	70	991
27	630	293	120	388	1278	1704	391	3868	24	41	-71	-116	-6	-4	-3	-1	1	7	9	168	59	30	97	84
28	507	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
29	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
30	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****

 * PERCENT VALID HOURS FOR SEPT, 1995 601*100/ 720= 83.5%
 *
 * THREE HIGHEST VALUES FOR SEPT, 1995 XXXX(DD,HH) = ++++(18, 7) ++++(13, 9) ++++(11, 9) (FIRST OCCURRENCE IN MONTH)
 *

 * SPILL TEST FACILITY RICHARDSON NUMBER 2, 0.50-4.0 M LEVELS
 * RICHARDSON NUMBER 2 TIMES 100
 * OCT, 1995
 * RINUM2

DAY*	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
2	****	1054	988	1185	95	239	2717	98	143	-198	-570	-161	-33	-51	-76	-107	37	130	112	38	54	33	108	303
3	188	398	167	204	627	98	345	670	-309	208	-10	-19	-6	-5	-3	-1	3	25	180	146	29	23	24	8
4	3	4	9	6	3	4	3	1	-1	-2	-4	-4	-6	-6	-4	-1	2	6	11	12	10	29	12	20
5	63	240	10	5	5	4	3	1	-2	-6	-5	-12	-22	-23	-12	-2	6	21	93	322	189	476	706	885
6	831	424	282	232	171	1595	++++	++++	553	4012	++++	----	-89	-393	-25	-6	3	16	21	131	28	55	57	64
7	275	4636	2072	317	261	424	312	572	-1	-59	169	----	-137	-25	-16	-4	6	25	82	77	574	192	84	67
8	145	74	333	232	522	548	++++	4229	497	283	2898	----	-71	-17	-8	-2	5	24	43	83	102	267	378	76
9	78	83	69	167	123	74	90	188	0	-382	2411	-89	-95	-22	-12	-2	6	27	48	209	62	69	803	735
10	178	147	121	56	84	55	508	++++	758	665	-423	----	-514	-201	-8	37	29	21	35	100	272	152	260	1271
11	343	834	200	266	360	113	157	196	28	8084	-12	-6	-3	-3	-1	1	4	9	43	158	123	48	311	179
12	54	52	87	154	115	760	69	178	50	447	-34	-25	-27	-38	-23	-5	17	18	242	28	12	23	8	6
13	8	10	8	8	21	406	7	1	0	-2	-4	-11	-14	-7	-5	1	15	14	30	212	43	24	30	96
14	50	439	141	282	397	1023	210	160	-34	328	----	----	-242	----	-191	5	223	67	37	75	74	81	320	517
15	600	848	776	599	1432	5042	584	104	++++	287	++++	++++	1491	-21	-3	0	3	21	59	52	108	42	68	115
16	56	134	181	96	1643	164	2903	239	479	289	124	1319	4622	----	-351	-95	59	30	29	89	58	87	40	82
17	63	65	139	51	370	2842	933	227	33	-195	-243	-480	-819	-274	-47	-89	57	32	39	98	93	65	3386	174
18	149	254	155	475	421	466	342	2520	334	1405	++++	23	-13	-7	-5	1	11	40	46	67	93	73	171	387
19	105	21	31	438	335	55	189	152	21	-3	-166	-186	-10	-11	-34	1	12	24	63	33	321	116	141	663
20	228	1286	471	220	906	940	197	818	779	-221	3183	----	-865	-32	-7	1	11	34	96	109	218	44	168	++++
21	++++	328	149	206	311	125	486	2945	143	94	78	-52	-7	-5	-2	1	12	111	144	19	27	20	5	2
22	2	3	5	6	7	4	11	1	0	-2	-7	-10	-5	-5	-2	1	5	12	16	77	163	41	5	54
23	16	30	80	70	80	18	16	19	14	-2	-9	-14	-16	-44	-11	280	2232	420	78	35	193	206	378	75
24	1446	313	569	56	902	425	1956	++++	333	513	-51	----	-200	-77	++++	108	80	30	48	134	137	95	127	142
25	164	241	86	831	126	147	57	223	4331	1417	1800	352	-286	3	-7	4	14	31	50	263	56	46	115	60
26	170	125	196	123	162	209	285	552	2351	129	274	514	109	-62	-5	4	2	10	17	47	185	72	26	240
27	92	27	149	56	105	269	565	79	369	8930	-251	-99	-22	-141	-29	23	26	25	440	74	151	230	223	54
28	181	247	93	58	677	589	193	159	56	98	16	13	7594	-61	75	223	34	27	60	170	133	36	51	139
29	37	48	30	17	23	45	43	32	12	8	0	8	15	-145	-169	66	46	83	62	39	56	163	120	660
30	1336	6071	203	206	145	203	475	8916	8232	++++	13	----	-4	-8	-3	1	9	41	78	250	42	44	79	465
31	150	123	76	177	64	81	50	163	191	92	85	-3	-2	-1	-1	1	7	21	34	46	94	2858	392	76

 * PERCENT VALID HOURS FOR OCT, 1995 719*100/ 744= 96.6%
 *
 * THREE HIGHEST VALUES FOR OCT, 1995 XXXX(DD,HH) = ++++(30, 9) ++++(20,23) ++++(8, 6) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 2, 0.50-4.0 M LEVELS
 * RICHARDSON NUMBER 2 TIMES 100
 * NOV, 1995
 * RINUM2

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY	65	46	76	66	56	77	224	138	-48	-9	-10	-7	-14	-4	-3	0	4	16	22	223	79	56	92	116
1	312	41	51	32	126	19	81	80	118	12	-34	++++	-149	218	1781	550	3731	32	39	55	36	47	128	91
2	45	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
3	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
4	****	72	90	625	200	195	163	137	----	++++	5690	140	1	-4	0	3	10	24	896	172	83	350	143	39
5	41	145	163	50	65	39	55	446	123	188	435	95	-11	-2	-1	4	12	30	47	92	116	355	1255	51
6	90	113	138	203	470	116	611	221	++++	300	----	414	3147	----	-24	15	18	20	24	106	91	139	151	252
7	168	61	123	78	711	149	228	330	150	1214	++++	416	194	-7	-2	4	11	44	67	170	113	201	269	1361
8	136	175	44	95	55	28	694	145	323	791	122	4981	-10	-3	-1	2	11	67	48	51	57	34	46	151
9	186	133	67	68	116	106	176	55	48	8	-6	-8	-10	-6	0	24	398	6368	82	139	54	88	244	104
10	57	351	127	524	269	202	104	3317	2867	1946	236	721	-117	-121	-2	13	17	100	96	117	103	34	223	83
11	75	160	60	23	98	28	141	59	58	++++	1321	592	243	-891	155	17	19	45	51	116	264	190	243	136
12	117	147	318	8610	104	142	427	256	3312	1198	579	++++	-639	-118	9	19	35	47	21	37	92	50	76	416
13	279	38	379	187	78	27	959	243	89	33	-46	-3	74	-87	-1	9	38	87	172	86	46	54	2050	215
14	41	81	55	747	324	1574	688	170	88	263	301	28	6991	1150	73	1399	333	252	246	477	91	363	58	81
15	312	146	90	333	32	65	53	1470	285	++++	++++	137	8	-6	2	9	24	30	108	406	125	147	1473	97
16	346	158	1106	207	92	128	461	189	6511	751	++++	6065	645	6414	245	62	62	90	111	151	175	51	182	366
17	169	90	70	116	130	64	660	319	96	101	17	125	61	47	15	152	277	136	183	67	40	133	215	5285
18	1179	1315	132	410	79	1259	152	480	1276	2259	1399	++++	449	723	378	26	89	319	91	163	285	258	133	514
19	4435	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
20	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
27	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
28	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
29	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
30	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****

 * PERCENT VALID HOURS FOR NOV, 1995 409*100/ 720= 56.8%
 *
 * THREE HIGHEST VALUES FOR NOV, 1995 XXXX(DD,HH) = ++++(5, 9) ++++(19,11) ++++(13,11) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 2, 0.50-4.0 M LEVELS
 * RICHARDSON NUMBER 2 TIMES 100
 * DEC, 1995
 * RINUM2

	HOUR																									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
DAY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
31	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

 * PERCENT VALID HOURS FOR DEC, 1995 0*100/ 744= .0%
 *
 * THREE HIGHEST VALUES FOR DEC, 1995 XXXX(DD,HH) = ****(1, 0) ****(1, 0) ****(1, 0) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 3, 2.0-16.0 M LEVELS
 * RICHARDSON NUMBER 3 TIMES 100
 * JAN, 1995
 * RINUM3

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
DAY																									
1	493	11	26	7	8	9	9	8	9	10	12	2	-40	-6	2	7	26	26	63	57	30	44	470	++++	
2	++++	++++	++++	3091	90	156	83	65	-629	-354	++++	----	----	-756	-156	0	++++	++++	299	180	22	393	288	1041	
3	89	178	495	252	68	54	96	73	-7	-5	28	-1	828	-1	10	-6	-31	-18	-4	14	-60	-973	++++	1	
4	188	-7	0	4	-1	18	3	15	-29	-288	-154	-27	-2	-3	-5	-7	-1	-1	-2	-1	-20	-5	-16	-31	
5	-17	-50	-305	-39	-359	6	301	378	-5	-245	-702	----	-468	-51	-13	-5	5	29	103	373	63	90	239	6983	
6	3762	150	6095	217	205	35	1311	-18	175	----	----	-171	----	----	----	----	35	59	-2	17	455	----	385	-2	
7	-388	-7	54	29	106	-2	-182	-10	7	0	-155	-189	-13	-20	-12	-11	2	41	43	19	300	43	22	31	
8	408	144	93	87	101	26	84	41	87	26	463	49	-104	-36	8101	16	11	9	18	8047	31	53	32	16	
9	69	41	9052	24	171	44	31	27	29	-6	-306	----	----	-60	-21	-5	2	44	203	55	292	4478	++++	2269	
10	8094	436	448	688	660	178	285	44	33	77	-6	-137	-177	----	-14	2	6	9	10	4	14	8	12	7	
11	3	3	5	14	114	32	++++	374	50	172	15	-1	-1	-8	-3	-1	6	35	29	215	++++	4083	1194	++++	
12	86	836	262	2440	228	396	1284	35	-5	-210	----	-131	----	----	-309	-275	-287	----	-88	154	226	101	5601	83	
13	146	378	44	19	168	78	276	289	8441	-30	----	----	----	----	-882	-354	----	2664	1403	87	78	25	53	60	
14	616	140	-202	196	24	104	59	882	8155	-672	----	-974	-88	-192	----	-16	-20	-7	38	145	5	2	3	3	
15	4	4	4	4	5	7	9	11	1	-9	-16	-22	-20	-14	-60	-11	-6	-6	-71	5	18	83	155	8927	
16	4744	++++	695	23	768	2302	452	457	----	----	----	----	----	-397	-87	-21	-10	-16	-14	-14	-55	-17	----	----	
17	5633	351	2748	468	6468	164	292	302	163	-125	----	-586	----	----	----	-905	-78	158	1987	261	228	558	160	9028	
18	134	++++	1208	++++	----	-101	10	-27	----	----	-463	----	----	-23	-933	----	224	166	1228	57	719	1948	1088	633	
19	99	6088	1871	++++	199	526	842	381	----	----	-16	----	----	----	-142	-30	16	69	136	2422	1929	2016	6984	2527	
20	2163	1972	222	158	932	1309	38	++++	++++	-524	----	----	----	----	-46	-7	5	55	530	540	130	184	165	527	
21	121	46	84	++++	55	11	0	-24	-441	----	-245	----	----	----	-555	-344	-152	18	41	2778	4433	222	4765	670	
22	2016	++++	6400	172	4043	----	-432	----	-51	----	----	----	----	-249	-98	-66	-3	1	3	14	53	47	17	13	
23	18	43	1322	1116	80	-33	40	-76	-978	----	----	----	-192	-141	-26	-24	-2	0	29	6682	1030	50	25	193	
24	19	20	18	88	54	2	16	-7	-64	----	----	-314	-97	-93	-60	-64	-26	8	89	396	4638	65	60	35	
25	52	48	125	66	101	31	3	0	-1	0	-1	-1	-4	-2	-2	-16	-9	-145	3	3	25	43	46	++++	
26	666	41	14	-2	-4	-38	-64	-10	-187	-1	-10	-13	-14	-13	-22	-18	-4	18	27	267	1263	++++	179	3492	
27	++++	3334	++++	1571	37	492	++++	30	----	----	----	----	----	----	-637	-481	-156	22	236	107	47	355	241	2068	
28	96	4934	1126	466	707	227	282	271	6423	-128	-718	----	----	----	----	-843	-162	102	121	4292	391	4437	193	739	
29	2035	++++	567	663	725	658	++++	1414	132	----	----	-598	-40	-948	----	----	-20	106	7222	222	309	428	2070	142	
30	++++	263	3988	++++	839	++++	++++	++++	-59	-395	----	----	----	----	----	----	-131	466	141	2474	69	350	5808	321	
31	++++	3752	160	1051	53	116	32	383	-443	-323	----	----	-540	----	-484	----	----	101	533	262	28	292	212	308	

 * PERCENT VALID HOURS FOR JAN, 1995 744*100/ 744=100.0%
 *
 * THREE HIGHEST VALUES FOR JAN, 1995 XXXX(DD,HH) = ++++(21, 3) ++++(30, 5) ++++(18, 3) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 3, 2.0-16.0 M LEVELS
 * RICHARDSON NUMBER 3 TIMES 100
 * FEB, 1995
 * RINUM3

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	180	99	38	183	964	96	239	65	-134	1651	----	----	----	----	----	25	123	39	227	155	68	433	585	31
2	6004	1327	9	2116	488	365	115	778	295	230	-248	-387	----	----	-117	14	29	21	27	1442	611	1158	741	3430
3	416	44	153	276	++++	516	2829	641	880	----	-635	----	----	-115	-187	-29	54	46	64	457	1131	95	11	56
4	121	108	718	395	++++	4	790	18	2	-118	-24	----	----	----	----	----	700	215	415	1539	++++	411	4158	++++
5	572	++++	1048	592	637	589	5283	12	16	----	-123	-858	----	-269	-602	----	131	42	131	7836	6706	3189	++++	++++
6	6449	++++	407	272	207	747	766	7212	-725	-49	-78	----	----	----	----	----	43	24	77	189	626	++++	++++	3137
7	827	1064	++++	5452	756	1906	453	313	222	----	----	----	----	----	-501	-49	13	8	7	80	385	294	149	++++
8	85	21	13	14	13	10	13	14	4	-4	-12	-15	-25	-77	-88	-39	2	16	24	44	224	3297	427	1068
9	729	2575	2497	9512	291	1056	5331	2198	2404	-102	-518	-996	----	----	----	-511	-268	139	484	++++	1134	503	1323	142
10	271	612	583	165	2469	1077	341	2640	-877	----	-334	----	-427	-113	-119	-47	60	86	79	196	343	255	1555	252
11	130	716	++++	1824	8781	++++	++++	193	9	----	----	----	-13	-17	-6	1	13	25	36	169	2451	300	426	4754
12	2821	3893	234	591	++++	4286	2170	993	1213	496	-405	-138	-80	-25	-7	0	7	56	168	128	126	9316	1199	297
13	180	94	4284	4151	1741	100	702	1795	145	248	-182	-4	-4	-3	-2	0	2	5	3	3	2	2	2	2
14	1	1	1	2	3	8	4	2	1	0	0	0	-1	-9	19	21	-7	14	11	19	47	13	15	64
15	79	18	47	51	71	443	159	861	439	-4	----	-44	----	----	----	----	----	1205	176	91	419	246	++++	3367
16	1327	1274	366	1636	73	542	1590	34	-120	----	----	-844	----	----	----	----	22	75	85	26	96	6761	853	21
17	++++	6998	602	556	++++	3267	1568	-13	-3	-27	----	----	----	----	-567	----	-47	144	57	309	191	318	232	142
18	1994	636	533	1168	251	400	2629	5022	-365	----	----	----	----	-602	-156	-311	224	++++	146	42	27	424	200	1629
19	++++	190	123	1454	829	1646	520	9197	395	24	----	----	-514	-6	-2	3	10	15	204	4248	++++	1756	802	167
20	928	++++	++++	++++	++++	1087	1607	++++	1572	9451	-635	----	-203	----	----	-69	41	50	472	262	200	++++	6258	++++
21	3284	1663	++++	++++	2934	1371	++++	299	----	-44	----	----	----	-41	-5	1	5	17	28	1560	490	419	775	2700
22	903	310	761	++++	1745	8620	238	357	----	-65	-691	----	----	----	-370	-394	71	152	107	263	++++	++++	771	++++
23	1973	4489	363	++++	4917	3059	1295	++++	623	255	-396	----	-200	-103	-669	-105	16	56	2519	2066	316	405	1182	++++
24	++++	5687	4722	++++	853	4215	2434	4217	13	5	-575	-419	----	----	----	----	19	43	8629	824	559	33	80	240
25	44	185	113	93	1441	232	267	562	----	-946	----	-234	-112	-72	-56	-15	6	4	10	23	53	++++	1472	++++
26	473	1918	1182	673	7457	226	1067	1455	----	----	-567	----	----	-108	-101	-24	6	25	333	957	155	482	910	++++
27	++++	2057	1963	8798	++++	++++	434	3112	-851	----	----	----	-252	-39	-22	-15	9	26	6	10	18	131	4585	24
28	39	73	99	271	51	40	219	2	-19	-41	-625	----	-798	-373	----	----	----	-51	7	39	9	-9	-61	-34

 * PERCENT VALID HOURS FOR FEB, 1995 672*100/ 672=100.0%
 *
 * THREE HIGHEST VALUES FOR FEB, 1995 XXXX(DD,HH) = ++++(6,22) ++++(20,21) ++++(6, 1) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 3, 2.0-16.0 M LEVELS
 * RICHARDSON NUMBER 3 TIMES 100
 * MAR, 1995
 * RINUM3

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
DAY																									
1	-195	-331	----	-386	----	-730	----	----	----	----	-729	-108	-28	-20	-26	-25	-54	-14	-25	-2	5061	138	2986	621	
2	157	380	++++	242	60	146	-135	-984	-441	-573	----	----	-169	-16	-6	-7	-4	3	20	2	65	235	214	125	
3	732	551	3356	126	123	27	66	8	3	0	-3	-4	-4	-4	-4	-3	0	3	5	15	19	14	26	13	
4	14	20	222	198	161	4621	45	1354	-741	----	-515	----	----	-238	-40	-15	1	11	26	468	73	++++	213	216	
5	227	5	4	5	7	13	33	9	1	-2	-7	-8	-8	-2	0	1	1	1	1	-13	-28	-41	-6	-105	
6	327	52	7	6	7	4	8	4	-7	-36	-67	-259	-382	----	----	-341	-261	7	90	1103	2540	127	790	1831	
7	87	233	215	1807	++++	9087	1557	-629	----	----	----	----	-658	----	----	-68	12	36	79	349	272	87	27	1056	
8	1118	864	347	312	77	++++	568	----	----	----	----	----	----	-25	-3	3	6	19	26	196	147	174	45	162	
9	157	5372	++++	++++	1907	++++	184	++++	-330	-85	----	----	-75	-44	-9	0	3	6	9	8	10	6	7	12	
10	40	60	54	11	13	-14	-7	-12	-43	-455	----	-622	-9	-53	-38	66	49	42	12	6	5	5	5	5	
11	5	-4	-27	----	-10	1	1	6	7	-4	-15	-11	-6	-6	-8	-5	-1	4	7	7	17	27	61	56	
12	65	248	287	250	720	++++	3574	9	----	----	----	----	-273	-97	-58	-60	-35	17	20	182	947	222	2370	++++	
13	1413	1093	101	3623	934	263	59	-29	-12	----	----	----	----	----	----	----	----	----	73	298	118	113	67	140	
14	++++	++++	82	7679	636	5120	276	84	----	----	-410	-769	----	----	----	----	-90	15	22	38	325	96	24	++++	
15	7782	117	646	782	228	114	21	1715	-503	----	****	----	----	----	----	-707	-16	25	51	54	136	405	356	862	
16	583	102	2722	3358	464	315	616	80	-130	----	----	----	----	----	----	-410	-609	953	258	996	215	240	122	815	
17	49	525	4118	371	370	170	1065	62	----	-868	----	-512	-769	----	-879	-144	-4	22	23	227	1364	1886	153	63	
18	698	33	306	153	159	40	172	-6	-183	-163	-994	-676	-596	-237	-12	-5	4	12	28	236	125	324	393	124	
19	215	354	136	185	129	357	216	171	-212	-155	-131	-467	-829	----	----	-175	-21	12	31	30	286	2328	2447	3334	
20	145	1141	1094	72	67	135	128	430	-138	-19	----	-458	-3	-3	-2	0	1	2	2	2	2	2	2	1	
21	0	1	0	1	1	1	1	-1	-4	-5	-7	-1	-6	-3	-5	-2	0	1	2	2	2	2	6	58	
22	95	42	15	21	1385	688	106	8785	-789	----	-732	-142	-33	-17	-9	-8	-5	-1	2	18	12	88	84	2065	
23	312	5877	173	62	200	20	22	59	-31	-6	-5	-3	-8	-8	-11	-5	-8	-8	-9	6	11	20	35	148	
24	93	950	155	-585	209	3883	1389	-714	----	----	-415	-550	-591	-133	-27	-24	-7	1	17	26	5	35	217	610	
25	856	297	600	770	1376	2412	5668	174	-39	-18	-36	-43	-92	-98	-100	-74	-20	22	27	915	5097	546	78	2137	
26	123	542	1436	++++	3558	403	697	9251	----	----	----	----	----	----	----	----	-555	-39	257	150	445	102	255	394	
27	1453	898	5345	20	79	450	1116	203	-2	-15	-24	-31	-36	-33	-24	-19	-8	7	16	24	15	41	21	84	
28	93	++++	238	22	12	52	++++	-355	-12	-67	-51	-55	-70	-89	-58	-47	-18	-2	8	22	499	3614	20	19	
29	13	47	28	154	24	++++	1026	----	----	----	----	----	----	----	----	-400	-179	-87	-9	19	14	13	12	15	
30	210	218	234	1547	620	1367	17	-1	-12	-19	-75	-95	-146	-134	-132	-137	-92	10	32	1846	155	830	242	456	
31	1879	6395	737	1545	649	4196	++++	-748	----	----	----	----	----	----	----	-348	----	----	-84	54	90	++++	600	9982	458

 * PERCENT VALID HOURS FOR MAR, 1995 743*100/ 744= 99.9%

* THREE HIGHEST VALUES FOR MAR, 1995 XXXX(DD,HH) = ++++(14,23) ++++(2, 2) ++++(8, 5) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 3, 2.0-16.0 M LEVELS
 * RICHARDSON NUMBER 3 TIMES 100
 * APR, 1995
 * RINUM3

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	2781	2089	2229	1189	++++	++++	++++	----	-213	-69	----	-160	-57	-31	-21	-22	-5	1	17	176	98	12	9	70
2	295	241	3240	478	85	++++	3197	0	-8	-17	-42	-42	-35	-27	-29	-17	-7	3	19	21	39	16	21	15
3	59	409	25	42	22	71	624	11	-84	-151	----	-993	----	----	-277	-455	-747	-312	134	1561	++++	741	742	9039
4	4400	++++	942	795	206	3208	++++	----	-815	-77	-836	----	-614	-156	-88	-60	-24	13	39	160	545	677	62	230
5	++++	3287	++++	2010	++++	4449	1618	-17	----	----	----	-442	-151	-93	-33	-27	-10	8	78	208	303	522	497	2805
6	1308	++++	++++	++++	++++	5812	8173	-187	----	-446	-43	-21	-19	-24	-15	-11	-5	0	31	363	3022	357	183	51
7	1090	565	365	125	++++	324	1385	-772	-740	----	-369	-177	-165	-34	-20	-20	-15	-1	60	238	9	5	8	18
8	12	6	10	19	446	437	36	-41	-249	----	----	-252	-101	-59	-34	-39	-26	0	20	17	8	1	2	1
9	1	5	12	1	3	1	-5	-11	-19	-27	-35	-44	-42	-36	-24	-13	-8	-3	1	2	3	3	2	8
10	7	11	13	36	15	10	3	-8	-41	-75	-121	-183	-107	-113	-116	-88	-26	7	34	40	51	2337	3237	6114
11	151	1255	214	638	1760	++++	471	-850	----	----	----	----	----	----	----	----	----	-1	23	54	6327	2424	5737	++++
12	8704	916	596	5416	++++	6813	++++	----	----	----	----	-597	-183	-53	-28	-16	-6	2	11	24	120	1243	273	94
13	469	472	121	24	26	185	172	11	-6	-7	-9	-11	-12	-7	-4	-4	-2	-1	0	0	-1	-17	3	7
14	12	32	34	187	141	1062	362	-177	-658	-91	-143	----	----	----	----	-300	----	-123	10	26	1143	176	36	2012
15	++++	2974	345	30	1792	-8	-62	-74	-113	----	----	-340	-110	-76	-127	-56	-30	-6	0	4	3	1	0	-1
16	-1	-2	-9	-40	-7	-21	-24	-253	-44	-79	-26	-58	-86	-246	-73	-35	-29	-10	-4	-6	-12	7	22	68
17	70	508	1754	1976	140	5175	-325	----	-154	-78	-178	-144	-350	-71	-34	-19	-8	-2	0	0	0	0	-1	-1
18	25	****	-22	-5	-8	-18	-10	-16	-26	-18	-72	-42	-55	36	-19	-42	-187	----	----	-234	48	530	-88	35
19	115	-321	-157	11	319	49	----	----	----	-368	-461	-265	-101	-84	-69	-23	-11	13	23	107	++++	2565	156	78
20	274	343	768	1274	632	504	9	-6	-7	-9	-29	-41	-56	-60	-14	-12	-7	-13	-4	4	1	5	111	3142
21	182	++++	879	141	634	1295	159	-87	-43	-16	-26	-22	-31	-42	-30	-10	-8	-3	9	12	13	10	29	320
22	++++	880	258	24	50	50	7	-3	-47	-82	-128	-128	-80	-140	-83	-61	-26	0	16	189	327	4106	++++	174
23	2413	++++	285	4023	540	886	++++	----	-502	-49	-101	-127	-176	-183	-221	-341	-590	-169	896	92	142	++++	2987	1328
24	3777	++++	619	2032	619	++++	1168	----	----	----	-740	----	----	-241	-140	-96	-40	1	20	239	134	325	895	5050
25	7215	3277	1470	1917	++++	++++	208	----	----	----	-703	-149	-68	-38	-26	-17	-10	3	14	61	135	434	195	2909
26	301	****	39	69	903	138	404	-231	----	----	----	----	----	----	----	-60	-25	-5	3	11	1422	63	128	111
27	292	269	3714	254	5623	618	605	5420	-45	-14	-10	-18	-18	-17	-14	-9	-5	-1	1	3	5	7	13	13
28	65	73	172	114	9761	115	73	----	-589	-183	-221	-139	-128	-71	-37	-50	-39	-7	14	83	323	414	702	216
29	55	100	83	112	88	44	-25	-763	-67	-60	-59	-54	-30	-25	-27	-22	-7	-2	0	4	13	12	16	11
30	17	33	389	278	63	2242	214	-606	----	-475	-458	-174	-773	-163	-388	----	----	-13	11	18	66	182	193	439

 * PERCENT VALID HOURS FOR APR, 1995 718*100/ 720= 99.7%
 *
 * THREE HIGHEST VALUES FOR APR, 1995 XXXX(DD,HH) = ++++(24, 5) ++++(23, 1) ++++(15, 0) (FIRST OCCURRENCE IN MONTH)
 *

 * SPILL TEST FACILITY RICHARDSON NUMBER 3, 2.0-16.0 M LEVELS
 * RICHARDSON NUMBER 3 TIMES 100
 * MAY, 1995
 * RINUM3

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
1	111	1025	6021	711	67	257	107	----	----	-417	-59	-40	-28	-34	-21	-10	-5	-1	-1	0	0	1	2	5		
2	3	31	23	26	89	22	-326	----	----	-243	-119	-184	-241	-119	-127	-76	-59	-19	30	56	97	++++	++++	392		
3	375	301	++++	++++	++++	1599	25	----	----	----	----	-877	----	-135	-134	-141	-101	-44	62	167	115	233	755	65		
4	114	4385	15	23	94	455	-12	----	----	-318	-38	-13	-13	-12	-9	-9	-8	-5	7	22	4	8	2	50		
5	27	13	-1	-4	-3	-5	-8	-11	-24	-22	-15	-15	-11	-23	-11	-41	-7	-2	1	2	3	4	5	-2		
6	-3	-4	-8	-6	-39	-87	-112	-81	-83	-124	-159	----	-302	-530	-185	-172	-80	-75	-30	-34	-59	-57	-334	-29		
7	-25	-9	-7	-22	-81	-3	-78	-125	-100	-100	-56	-99	-63	-240	-19	-20	-8	-10	11	26	138	77	57	44		
8	477	++++	311	62	6252	++++	-774	----	----	-706	----	-633	-270	-128	-331	-444	-80	-25	14	59	56	507	208	351		
9	482	2448	++++	10	13	77	-134	----	----	----	----	-235	-167	-119	-76	-39	-23	-5	15	82	101	88	228	17		
10	115	424	174	178	1187	++++	-328	----	----	----	----	----	-358	-128	-143	-132	-81	-16	26	73	563	323	4180	3256		
11	++++	1932	93	325	264	446	-350	----	----	-161	-114	-116	-72	-37	-31	-26	-19	-5	6	11	8	9	18	85		
12	54	58	4697	551	207	38	-8	-32	-85	-83	-248	----	-84	-51	-67	-51	-33	-13	1	11	13	6	3	8		
13	11	7	6	6	15	87	7	-562	----	-58	-17	-18	-17	-19	-15	-11	-10	-6	-2	0	1	-1	0	7		
14	293	604	46	76	1826	283	-474	----	----	----	----	-617	-198	-125	-66	-68	-41	-51	-61	21	18	24	36	-14		
15	-9	-17	-43	-28	-7	-82	-371	-259	----	----	----	----	-491	----	-434	-238	-160	-42	5	43	85	775	55	886		
16	3444	1414	234	262	123	176	----	-514	-577	----	----	-572	-83	-57	-20	-27	-28	-8	-11	21	76	343	167	224		
17	648	108	23	1520	1756	289	-962	----	----	----	----	----	-313	-129	-91	-108	-258	-20	9	18	169	541	150	++++		
18	++++	1006	254	93	8919	4020	-986	----	----	----	-147	-141	-105	-137	-111	-250	-76	-40	19	176	1239	355	6752	2640		
19	194	641	313	219	733	2156	----	----	----	----	----	----	-503	-347	-349	-144	-122	-15	12	47	462	313	60	++++		
20	340	63	30	++++	103	271	-36	-361	----	----	----	----	-935	-152	-186	-207	-89	-52	-26	-7	13	26	2380	220	4871	1283
21	2881	246	66	73	569	360	----	----	----	----	----	----	-73	-41	-15	-9	-8	-9	-3	6	17	549	740	335	426	
22	577	117	153	556	272	37	-3	-48	-101	-385	-163	-75	-64	-43	0	12	-16	-29	-8	-5	2	517	992	329		
23	255	540	241	256	-149	-12	----	----	----	-193	-41	-25	48	-81	-127	-87	-41	-47	-125	-7	29	14	8	----		
24	-22	-15	345	292	89	266	-220	-75	-60	-72	-41	-59	-19	****	2	-67	-382	-253	1	6	36	55	51	84		
25	24	169	111	94	91	----	----	----	----	----	-50	-31	-109	-205	-67	-38	-9	7	4	6	18	8	69	409		
26	33	59	120	1341	4380	403	-46	-646	-684	-430	-417	-295	-130	-208	-66	-39	-21	-8	14	81	552	669	271	1238		
27	785	497	133	85	144	139	-378	----	----	----	-96	-80	-111	-159	-652	-66	-40	-97	37	20	20	1029	313	119		
28	3805	110	189	159	77	1414	-838	----	----	----	-173	-243	-228	-120	-154	-42	-43	-10	3	23	93	353	226	83		
29	134	817	152	1518	4508	6362	-43	----	----	----	-680	-216	-924	-139	-357	-204	-64	-11	-1	60	304	112	57	57		
30	73	68	96	1146	466	109	----	----	----	----	----	----	-483	-475	-172	-100	-31	-19	13	37	552	++++	++++	242		
31	36	227	987	222	25	3452	-567	----	----	----	----	-288	-130	-578	-144	-39	-16	-5	9	17	46	286	5396	250		

 * PERCENT VALID HOURS FOR MAY, 1995 743*100/ 744= 99.9%
 *
 * THREE HIGHEST VALUES FOR MAY, 1995 XXXX(DD,HH) = ++++(3, 2) ++++(3, 3) ++++(19,23) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY RICHARDSON NUMBER 3, 2.0-16.0 M LEVELS JUNE, 1995 *
 * RICHARDSON NUMBER 3 TIMES 100 RINUM3 *

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	237	590	105	115	63	7	-790	-699	----	-361	-93	-35	-23	-6	-6	-5	-3	1	3	0	39	396	360	23
2	27	132	496	216	128	673	-904	-351	----	----	-112	-76	-71	-50	-29	-37	-43	-19	3	4	28	19	28	78
3	++++	1305	840	710	1006	169	----	----	----	-441	-304	-417	-600	-70	-115	-101	-200	-224	57	138	92	156	++++	982
4	1416	++++	1196	935	++++	1122	----	----	----	----	----	----	-134	-112	-116	-89	-62	-22	6	16	231	115	342	65
5	141	357	2603	3074	429	++++	-176	-929	-270	-51	-13	-16	-13	-11	-8	-7	-6	-4	-3	-2	2	18	11	110
6	68	64	39	74	64	105	----	-917	----	-543	----	-985	-501	-506	-514	-169	-22	-11	-5	-4	-5	-5	-6	-13
7	-16	-135	-87	-161	-141	-35	-60	-249	----	----	----	-82	-202	-161	-145	-569	-56	-25	-11	2	13	8	216	114
8	3894	++++	153	1449	406	126	----	-829	----	----	-295	-619	-142	-80	-68	-43	-19	-13	6	41	637	146	375	93
9	68	877	327	204	38	5020	----	----	----	----	----	-633	-998	-438	-902	-232	-735	-534	32	124	264	581	++++	1469
10	907	528	++++	2912	2901	-398	----	----	----	----	----	----	----	----	-502	----	----	----	4132	136	338	952	1314	305
11	163	166	2059	1594	++++	896	----	----	-261	----	----	----	-177	-69	-37	-24	-17	-8	8	43	2397	81	214	8590
12	177	968	303	680	7886	++++	----	----	----	----	-38	-33	-33	-34	-34	-28	-18	-7	7	20	116	++++	578	8428
13	++++	2214	538	3057	820	3645	----	----	----	-150	-26	-23	-29	-30	-26	-18	-9	-4	3	12	37	316	63	146
14	119	40	36	86	9648	1439	-414	-262	----	-44	-17	-17	-17	-11	-8	-6	-6	-2	3	4	5	22	47	39
15	16	10	12	31	11	8	0	-5	-9	-14	-12	-14	-18	-14	-9	-7	-7	-9	-5	-5	-5	-16	-6	-2
16	-1	-1	-1	-1	-4	-35	-10	-16	-11	-13	-20	-16	-14	-40	-103	-70	-37	-13	-8	-8	-1	3	40	721
17	7037	4055	1437	1211	++++	3978	----	----	----	----	----	-485	-241	-103	-93	-59	-53	-42	-4	16	28	174	291	69
18	3278	4449	443	++++	599	260	----	-726	----	----	----	-415	-125	-51	-26	-16	-12	-6	0	6	14	19	212	748
19	236	243	954	387	252	1117	297	----	----	-279	-178	-99	-59	-31	-23	-23	-20	-10	3	63	9294	488	2619	889
20	1380	363	3961	940	8143	279	++++	----	----	-153	-133	-59	-51	-63	-78	-58	-31	-35	-2	2	16	15	9	5
21	3	3	8	18	12	2	-21	-64	-617	----	----	-674	----	----	-510	-106	-155	-90	12	37	174	1188	956	518
22	269	221	488	++++	204	90	39	----	----	----	----	----	-297	----	-614	----	----	----	----	41	657	188	641	564
23	394	812	108	215	304	103	3164	----	----	-455	-124	-285	-362	-121	-271	-155	-85	-42	15	27	21	430	93	8478
24	++++	1548	81	++++	++++	4520	-102	-231	-25	-39	-81	-148	-189	-86	-327	-91	-75	-52	37	40	80	439	++++	1626
25	++++	942	97	66	71	69	1042	----	----	----	-179	-145	-197	-163	-165	-335	-381	-5	10	45	1208	3719	663	2153
26	125	203	881	++++	953	4977	83	-250	-10	-648	-261	-145	-203	-148	-232	-9	-62	-2	5	14	29	18	47	28
27	27	725	++++	1900	266	7682	-3	----	----	----	----	-327	-82	-93	-53	-31	-20	-12	12	19	256	513	++++	85
28	366	303	419	2259	157	1072	++++	----	----	----	----	-179	-83	-59	-51	-34	-31	-8	13	8	0	-3	31	7
29	4	27	25	39	83	4172	-848	----	----	----	----	-259	-131	-41	-35	-11	-7	-4	-3	-3	-3	-4	-6	-2
30	-8	646	1160	171	1095	++++	-464	----	----	----	----	-838	-228	-165	-103	-70	-25	-20	2	32	0	2	17	13

 * PERCENT VALID HOURS FOR JUNE, 1995 720*100/ 720=100.0% *
 *
 * THREE HIGHEST VALUES FOR JUNE, 1995 XXXX(DD,HH) = ++++(12,21) ++++(3,22) ++++(4, 1) (FIRST OCCURRENCE IN MONTH) *

 ● SPILL TEST FACILITY RICHARDSON NUMBER 3, 2.0-16.0 M LEVELS JULY, 1995
 * RICHARDSON NUMBER 3 TIMES 100 RINUM3
 *

	HOUR																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	18	15	225	621	257	2748	----	----	----	-792	----	----	----	-165	-129	-82	-28	-16	2	19	38	2	107	1975
2	416	138	87	604	709	8920	-460	----	----	----	----	-937	-184	-104	-82	-47	-32	-16	-5	11	16	69	46	213
3	65	112	107	9378	126	83	-373	----	----	-308	-106	-98	-66	-64	-45	-30	-22	-9	0	7	23	226	761	341
4	319	1802	283	725	++++	347	2134	-934	-542	----	-603	-151	----	----	-364	-573	----	-397	12	19	67	1800	583	2621
5	1402	2515	5381	4212	2212	625	----	----	----	----	----	-155	-97	-91	-46	-46	-28	-10	4	16	26	2904	367	341
6	92	33	173	2327	963	698	++++	----	----	-24	-21	-23	-22	-18	-20	-17	-16	-9	3	13	13	64	116	++++
7	70	34	59	1514	2224	3470	-316	----	----	----	-53	-33	-35	-48	-30	-29	-14	-1	14	60	508	++++	264	2625
8	385	261	4515	1783	123	++++	10	-118	----	----	----	-182	-62	-117	-160	-12	-4	-21	248	127	79	90	807	221
9	863	238	8830	2936	++++	869	----	----	-439	-242	-33	-36	-54	-28	-26	-21	-15	-9	3	9	8	13	17	++++
10	39	192	1218	1743	++++	2637	120	-73	-4	-5	-33	-14	-20	-18	-11	-8	-8	-8	2	11	23	615	765	1085
11	364	++++	1499	3336	178	396	234	----	-74	-18	-25	-27	-25	-27	-21	-14	-9	-5	0	7	10	11	11	68
12	118	2033	6951	448	544	536	6	-9	-12	-14	-17	-21	-20	-22	-26	-16	-13	-6	4	20	227	122	266	109
13	292	174	1949	2061	1732	466	1588	-727	----	----	----	----	-651	-103	-164	-174	-139	-61	17	39	71	474	746	416
14	1435	2758	++++	7475	413	859	----	----	----	----	----	----	-633	-502	-615	-174	-123	-62	23	88	1247	++++	214	++++
15	3973	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
16	****	7137	3075	++++	++++	372	-121	-588	----	-266	-719	----	-546	-50	-22	-18	-11	-9	-6	-5	-4	-3	-3	-6
17	-5	23	2747	29	69	24	-117	-458	----	-424	----	----	----	----	-823	-47	-49	-216	-14	51	13	31	2110	845
18	181	1489	6679	423	170	1587	----	----	----	----	-974	-223	-167	-77	-47	-31	-20	-15	2	16	22	248	366	44
19	7415	108	122	221	634	495	112	----	----	-36	-51	-41	-35	-42	-50	-33	-28	-15	2	17	31	359	739	60
20	1595	984	544	++++	++++	++++	----	-621	----	----	-178	-182	-119	-56	-29	-27	-21	-11	6	23	313	1746	5992	6604
21	3319	790	738	++++	++++	9436	----	----	----	----	----	-477	-232	-159	-138	-76	-33	-11	3	28	34	1313	484	39
22	214	222	1925	983	767	231	-211	----	----	----	----	-247	-199	-106	-74	-59	-57	-32	10	23	91	686	96	719
23	362	411	5326	1723	1128	1706	230	-779	----	-612	----	----	-270	-142	-104	-102	-144	-43	23	29	88	870	782	1534
24	1780	++++	4812	++++	9324	++++	-137	----	----	----	----	-118	-96	-75	-55	-42	-27	-7	9	41	++++	63	1953	387
25	++++	680	++++	1689	3366	1223	292	----	----	-839	-362	-54	-39	-34	-34	-25	-12	-4	10	99	709	436	67	692
26	++++	1312	++++	++++	1487	1086	----	----	----	----	-76	-64	-63	-69	-55	-34	-21	-6	6	30	61	2027	968	963
27	103	445	2341	4046	2059	++++	----	----	----	----	-107	-75	-66	-89	-45	-41	-25	-7	13	35	27	480	833	184
28	276	2619	1186	++++	3450	++++	3038	----	----	-391	-691	-128	-130	-115	-90	-45	-48	-16	13	58	1319	209	174	164
29	++++	4339	1356	++++	++++	1192	1377	-605	----	----	-105	-37	-33	-21	-18	-14	-9	-4	5	15	29	16	81	331
30	110	467	597	203	++++	269	-14	----	----	----	-362	-87	-74	-57	-37	-40	-57	-21	11	83	326	65	16	11
31	12	6	12	9	9	38	-1	-20	-162	-749	----	-228	-207	-320	-150	-88	-122	-113	15	49	114	++++	++++	4250

 * PERCENT VALID HOURS FOR JULY, 1995 720*100/ 744= 96.8%
 *
 * THREE HIGHEST VALUES FOR JULY, 1995 XXXX(DD,HH) = ++++(26, 2) ++++(14,23) ++++(29, 4) (FIRST OCCURRENCE IN MONTH)
 *

 * SPILL TEST FACILITY RICHARDSON NUMBER 3, 2.0-16.0 M LEVELS
 * RICHARDSON NUMBER 3 TIMES 100
 * AUG, 1995
 * RINUM3
 * *

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	770	809	7696	9878	820	411	56	----	----	----	----	-135	-128	-117	-82	-163	-165	-43	57	111	93	827	425	367
2	280	****	++++	++++	688	1381	201	----	----	----	----	-142	-94	-98	-69	-71	-41	-20	16	29	749	3428	996	843
3	5384	944	7830	186	2161	3135	++++	----	----	----	-370	-73	-67	-46	-42	-46	-29	-12	12	33	82	++++	945	49
4	35	76	++++	708	++++	358	----	----	----	----	-262	-66	-57	-33	-39	-27	-20	-11	11	26	444	++++	4193	++++
5	937	350	++++	532	++++	1068	840	----	----	----	----	-157	-52	-35	-23	-19	-16	-6	7	48	310	383	++++	151
6	144	470	2568	1832	2955	476	648	----	----	-426	-58	-45	-49	-55	-55	-29	-12	-5	13	18	29	17	22	47
7	++++	176	4324	75	96	446	4645	-6	-79	-71	-59	-41	-25	-21	-17	-14	-7	-3	0	3	6	8	19	26
8	87	222	259	410	733	221	3278	-891	-948	-478	-623	-253	-200	-96	-74	-59	-38	-17	13	20	176	169	291	++++
9	2734	522	3887	5550	748	++++	----	-231	----	3771	****	****	****	****	-4	23	15	-22	-37	-48	-72	-118	-43	-23
10	-914	----	----	----	-343	****	-1	-2	-6	-7	-10	-23	-16	-13	-10	-16	-12	-2	4	13	11	14	16	17
11	65	167	172	288	313	135	201	-36	-11	-20	-28	-34	-24	-26	-23	-24	-12	-4	7	27	419	240	3360	143
12	168	285	1148	++++	++++	565	175	-6	-7	-16	-18	-50	-60	-52	-42	-38	-29	-17	3	6	10	24	14	51
13	2517	82	44	677	++++	++++	371	----	----	----	----	-291	-208	-70	-85	-76	-54	-14	24	97	5192	814	298	744
14	++++	2082	++++	++++	1673	++++	----	----	----	----	----	-246	-65	-52	-41	-39	-26	-4	24	78	1818	53	++++	470
15	3683	++++	4024	6130	++++	64	-78	-91	-482	-185	-31	-39	-30	-31	-24	-20	-13	-5	7	48	29	28	91	5654
16	109	41	66	1925	++++	2289	246	-52	-202	-31	-15	-14	-13	-16	-16	-14	-11	-3	6	37	42	500	62	93
17	419	1273	++++	1125	789	1789	2606	----	-732	-29	-29	-37	-23	-25	-31	-26	-17	-5	3	9	11	28	54	333
18	296	2154	1058	316	4187	406	3557	----	----	----	----	----	----	----	----	----	-978	-180	11	35	167	565	7834	174
19	264	4241	++++	++++	4919	7723	1979	-386	----	----	----	----	----	-142	-396	-115	-40	-10	5	157	198	1500	578	70
20	70	16	13	10	-2	-98	-371	-125	-187	-32	-160	----	-281	-444	----	-302	-421	----	-9	65	100	321	49	182
21	247	203	71	135	60	869	-41	-901	-267	-887	----	-589	-536	-263	-113	-45	-59	-50	18	9	41	214	49	158
22	47	268	1715	1861	182	1954	1011	-47	-78	----	----	----	----	-368	-78	-257	-199	-65	-4	3	137	40	69	2007
23	++++	89	4881	166	9	104	64	----	----	----	-288	-173	-64	-25	-46	-18	-10	-7	10	22	41	36	45	173
24	621	487	101	64	656	++++	215	----	-180	-23	-24	-40	-29	-40	-24	-24	-14	-3	13	91	1853	1002	334	239
25	88	107	654	++++	++++	++++	++++	----	----	-35	-22	-35	-31	-25	-24	-27	-11	4	26	145	287	188	4740	218
26	++++	++++	++++	++++	908	++++	340	----	----	----	----	-59	-44	-31	-19	-13	-7	1	20	916	66	1100	2775	++++
27	++++	++++	++++	++++	++++	5448	981	----	----	-20	-28	-29	-32	-27	-22	-21	-13	-2	13	124	1079	1292	++++	441
28	257	1856	3115	585	9679	1536	167	----	----	-95	-40	-45	-40	-27	-25	-17	-11	-1	6	14	41	306	721	452
29	1132	2011	1475	5636	1699	4120	++++	-123	-845	----	-72	-63	-49	-41	-39	-21	-13	-1	24	77	122	78	121	2837
30	1812	399	4069	122	379	386	432	----	----	----	-647	-91	-55	-69	-61	-59	-30	5	23	89	598	191	716	884
31	609	1096	1427	++++	3847	++++	209	----	-614	----	----	-390	-143	-42	-39	-46	-17	-2	10	32	2559	49	154	++++

 * PERCENT VALID HOURS FOR AUG, 1995 738*100/ 744= 99.2%
 * *

 * THREE HIGHEST VALUES FOR AUG, 1995 XXXX(DD,HH) = ++++(2, 2) ++++(27, 1) ++++(4, 4) (FIRST OCCURRENCE IN MONTH)
 * *

```

*****
* SPILL TEST FACILITY RICHARDSON NUMBER 3, 2.0-16.0 M LEVELS                               SEPT, 1995
* RICHARDSON NUMBER 3 TIMES 100                                                                RINUM3
*
*          0          1          2          3          4          5          6          7          8          9          10         11         12         13         14         15         16         17         18         19         20         21         22         23
* DAY*
1 * ++++ 503 1710 ++++ 2122 1795 628 -89 ---- -947 -21 -28 -47 -49 -16 -13 -6 2 5 1302 187 37 47
2 * 125 131 316 240 1111 1206 901 ---- -210 -32 -15 -57 -28 -8 -1 13 13 53 1139 686 852
3 * ++++ 1997 1234 2444 167 1022 41 -937 -504 ---- -783 -551 -138 -58 -76 -13 8 19 2314 173 22 64
4 * 12 96 320 61 5635 233 -62 ---- -61 -32 -33 -30 -27 -18 -21 -13 -1 13 50 378 370 1176 5861
5 * 1754 5251 377 4175 1842 773 1920 ---- -153 -64 -48 -48 -52 -42 -25 7 29 121 71 93 839 570
6 * 890 ++++ 1168 1337 1995 1792 1375 ---- -71 ---- -493 -78 -67 -65 -44 -31 0 17 22 1 0 0 3
7 * 67 14 95 23 61 24 32 ---- -618 -455 -39 -33 -45 -35 -33 -25 -8 3 14 40 ++++ 964 98 64
8 * 222 607 535 ++++ 644 ++++ 606 -124 -924 -404 -256 -114 -79 -63 -60 -41 -17 7 22 73 177 171 58 1049
9 * 463 821 855 402 2982 329 ++++ -5 ---- -698 -358 -94 -42 -15 -6 1 27 124 181 218 1276 ++++
10 * 2599 ++++ 497 4676 2299 281 1089 ---- -90 ---- -143 -80 -31 -24 -8 11 230 712 65 2428 764 642
11 * ++++ 3832 1051 892 478 1051 279 ---- -776 -212 -161 -118 -58 25 61 212 1058 1115 ++++ 8471
12 * ++++ 3195 ++++ 488 9473 198 -214 -26 ---- -386 110 93 263 207 582 4607 1659
13 * 501 954 1715 877 4073 ++++ 663 ---- -126 -91 ---- -548 -671 23 53 408 ++++ 1792 240 1157
14 * 6884 994 4470 994 1148 653 1630 -2 ---- -406 -285 ---- 138 62 262 588 ++++ 524 3156
15 * 1867 423 ++++ 9111 964 879 988 16 ---- -755 ---- -154 -187 24 36 134 1698 133 ++++ 392
16 * 142 720 647 ++++ 4115 1708 4016 ---- -69 -43 -34 -26 -19 -10 4 14 8 8 11 3725 1906
17 * 1505 2959 100 330 156 281 1450 155 -12 -25 -43 -79 -122 -112 -106 -43 -18 10 31 2619 915 ++++ 1033 280
18 * 1292 500 ++++ 156 4325 763 177 130 -411 -820 ---- -532 -216 -130 -69 -48 -7 11 21 71 ++++ 916 3752 ++++
19 * 854 3969 432 ++++ 717 1680 ++++ -144 -168 ---- -417 ---- -233 -158 -33 84 25 39 576 339 540 1124
20 * 973 7787 2306 2344 1276 ++++ 642 ---- -340 -103 -69 -34 -26 -15 -4 13 21 166 184 226 ++++ 2975
21 * 355 9 7 6 6 6 2 -7 -16 -26 -41 -92 -83 -140 -242 -90 -14 10 19 57 188 117 641 405
22 * 117 *****
23 * *****
24 * ***** 3706 2116 1865 ++++ 7243 461 60 306 276 884 3388 9108 ++++ 506 123 83 37 52 162 452 164 5324 202
25 * 1728 2242 936 727 746 ++++ 219 ++++ 8608 2990 205 12 9 11 16 22 35 373 100 121 202 381 656
26 * ++++ 6634 2904 156 ++++ 1761 427 327 ++++ 9882 360 111 205 82 48 42 33 33 74 ++++ 145 1865 1115 5760
27 * 138 6552 641 4200 ++++ 16 ++++ 60 1609 ++++ 3547 5396 25 22 21 23 28 35 24 274 927 82 2250 1018
28 * 404 *****
29 * *****
30 * *****
*****
* PERCENT VALID HOURS FOR SEPT, 1995 601*100/ 720= 83.5%
*
* THREE HIGHEST VALUES FOR SEPT, 1995 XXXX(DD,HH) = ++++(15,22) ++++(19, 3) ++++(11, 0) (FIRST OCCURRENCE IN MONTH)
*****

```

 * SPILL TEST FACILITY RICHARDSON NUMBER 3, 2.0-16.0 M LEVELS OCT, 1995 *
 * RICHARDSON NUMBER 3 TIMES 100 RINUM3 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY	HOUR																							
1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
2	****	2717	3029	628	707	++++	++++	737	779	4690	9047	5647	860	496	5910	2119	875	388	1039	1634	3149	600	4120	917
3	6934	6252	233	312	2015	++++	++++	++++	1850	++++	++++	272	49	48	39	36	41	120	1159	++++	314	120	153	31
4	25	35	91	35	23	28	29	27	16	18	13	14	24	25	32	31	39	34	35	28	24	111	86	86
5	252	643	30	25	27	24	28	25	34	55	28	62	912	350	805	416	154	44	205	246	592	3003	1805	++++
6	++++	1489	954	++++	++++	++++	1220	854	4028	921	++++	2111	++++	++++	1397	256	64	62	147	722	457	++++	351	++++
7	784	1963	319	799	7909	7558	++++	4216	2416	2404	++++	++++	5361	235	196	164	82	91	1468	479	585	++++	++++	1798
8	1532	723	++++	++++	++++	++++	8825	3675	5431	514	++++	++++	789	148	128	91	57	65	368	4893	++++	1694	791	++++
9	368	197	363	4196	3022	++++	++++	1615	++++	9341	++++	3199	1339	206	175	122	74	101	223	5181	162	++++	9255	1637
10	++++	3761	++++	2161	++++	1326	1915	++++	2356	++++	3062	4567	++++	++++	2431	5748	229	68	554	1194	939	1696	2837	436
11	++++	5911	++++	2494	1120	++++	646	1188	3252	++++	2513	59	19	19	26	33	36	33	229	3870	413	2720	335	280
12	++++	++++	651	++++	++++	++++	++++	3544	7876	++++	2313	245	345	683	336	943	104	66	++++	88	49	109	28	21
13	46	54	32	27	73	1184	42	24	27	23	29	89	155	91	98	54	72	100	107	++++	4837	629	327	2466
14	550	++++	++++	381	4758	848	339	++++	++++	316	997	++++	1533	++++	++++	3340	239	41	++++	1089	2034	4361	++++	1095
15	409	1906	215	792	6969	92	2915	78	2589	74	815	++++	++++	366	58	43	30	52	393	437	552	589	572	3796
16	++++	9519	4510	++++	++++	2302	382	3529	++++	218	6115	++++	++++	++++	++++	3017	467	133	123	5736	304	3667	304	++++
17	++++	1462	2802	1702	1743	1996	641	718	++++	651	3737	2368	5514	++++	1737	2697	535	115	116	++++	171	1044	++++	++++
18	4120	1022	2823	171	139	++++	1097	220	210	485	++++	7366	158	74	80	75	61	75	357	97	1376	403	++++	2343
19	1777	168	174	++++	1778	5981	++++	6150	++++	99	950	++++	102	146	351	140	62	39	125	245	9859	2148	++++	158
20	414	1625	131	3301	113	1074	1010	++++	989	++++	7844	++++	4152	301	108	68	56	137	706	1671	1592	319	2279	92
21	5868	1429	1947	829	1125	2009	1327	8066	751	++++	4083	470	48	33	28	52	87	895	324	93	77	107	33	13
22	14	22	34	35	26	25	38	10	9	9	19	13	9	16	23	28	31	32	32	198	446	123	24	299
23	44	107	3353	356	++++	193	96	136	245	55	39	66	150	306	182	954	521	84	287	205	189	978	881	597
24	9461	620	222	9386	1816	7788	1237	974	++++	54	++++	355	++++	7382	++++	2039	480	48	120	3597	191	++++	1306	++++
25	1000	++++	1935	7409	2064	4215	2257	352	50	-49	5315	960	7663	820	194	105	47	86	395	518	639	++++	687	1005
26	++++	++++	2850	545	3120	1538	269	165	555	2965	1058	++++	8283	2548	240	67	23	61	105	190	1081	509	202	1943
27	8670	285	347	++++	3146	5091	++++	869	107	718	2368	4388	1064	9296	1906	658	93	106	++++	1787	8070	4512	1774	1291
28	1710	2570	++++	2703	++++	429	284	++++	4430	4589	542	603	284	853	2361	2493	136	81	++++	++++	2147	116	641	389
29	966	467	305	58	111	475	332	197	54	87	120	376	1867	508	++++	193	225	478	117	291	260	166	1957	324
30	1887	434	443	2316	++++	++++	3170	195	70	666	857	2194	33	39	32	49	43	122	229	1020	419	114	331	175
31	779	6250	3933	9043	330	521	1041	118	241	++++	207	191	14	10	23	26	44	65	235	674	441	345	1488	104

 * PERCENT VALID HOURS FOR OCT, 1995 719*100/ 744= 96.6% *
 *
 * THREE HIGHEST VALUES FOR OCT, 1995 XXXX(DD,HH) = ++++(16, 0) ++++(12, 0) ++++(6,23) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY RICHARDSON NUMBER 3, 2.0-16.0 M LEVELS NOV, 1995 *
 * RICHARDSON NUMBER 3 TIMES 100 RINUM3 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY	HOUR																							
1	1247	1345	4049	285	6007	++++	273	526	945	118	36	15	33	9	18	23	27	30	50	115	482	707	220	129
2	387	++++	422	454	432	290	306	340	2394	539	954	85	4050	++++	911	329	64	110	6355	++++	682	645	3051	157
3	560	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
5	****	630	475	2543	1144	729	++++	805	330	953	++++	647	135	57	13	19	22	68	1587	2776	1713	1983	725	165
6	142	854	++++	7226	++++	356	1121	++++	490	++++	++++	570	22	5	19	27	25	62	109	794	3854	971	8352	++++
7	++++	4083	299	++++	++++	++++	1684	798	++++	3195	907	++++	1183	++++	547	141	37	60	90	798	++++	1674	1299	++++
8	1215	++++	5199	1978	++++	++++	++++	3206	++++	1250	++++	3449	9830	102	51	29	29	100	512	4718	++++	++++	3940	++++
9	1027	++++	4140	293	2096	512	++++	++++	1020	++++	++++	++++	33	9	17	18	33	141	222	295	1732	2304	212	297
10	1292	310	1011	995	351	2754	338	291	250	61	38	16	28	22	73	115	183	106	++++	2479	2443	989	2986	2152
11	3674	2604	++++	++++	2676	++++	2317	++++	++++	++++	1196	++++	2302	741	70	67	34	125	2122	1182	1191	1878	++++	279
12	8215	++++	921	311	1651	479	4074	++++	2993	2110	++++	2936	3780	704	1808	73	37	74	859	593	3977	5647	2608	++++
13	++++	++++	309	372	1997	++++	++++	++++	++++	++++	++++	++++	1220	1365	64	81	71	79	47	147	176	++++	425	394
14	699	128	479	476	812	212	3023	319	239	142	197	333	239	1184	457	26	36	272	992	3572	1694	216	1143	5669
15	930	++++	407	444	719	3780	626	113	756	289	1555	6873	63	405	1450	3022	409	392	1828	921	1024	1991	6357	421
16	++++	1618	599	146	433	136	344	191	76	4	45	1739	-139	33	25	29	42	85	701	932	5243	2337	630	573
17	1522	558	2853	1281	++++	2204	1441	790	29	5	170	1259	80	2495	2831	143	67	2544	153	141	++++	651	563	205
18	1422	++++	598	++++	1775	++++	696	606	++++	-821	---	-149	-739	-242	-9	403	161	277	492	222	221	++++	415	++++
19	950	1012	++++	213	3309	104	750	649	-28	-5	-120	-1	15	17	5624	67	100	504	3007	5537	315	5924	2221	++++
20	2012	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	****	++++	502	2437	1213	150	152	66	8	-2	-12	-15	-31	-31	-13	-1	10	14	9	34	137	96	36	278
27	90	87	19	20	32	50	43	26	3	-8	-22	-80	-66	-60	-17	5	22	23	91	++++	966	864	++++	1401
28	++++	5139	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
29	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
30	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****

 * PERCENT VALID HOURS FOR NOV, 1995 458*100/ 720= 63.6% *
 *
 * THREE HIGHEST VALUES FOR NOV, 1995 XXXX(DD,HH) = ++++(1, 5) ++++(8,20) ++++(18, 5) (FIRST OCCURRENCE IN MONTH) *

D-36

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

●
★
★
★

●
★
★
★

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1 *
 * MONIN-OBUKHOV LENGTH 1 TIMES 10 *
 * JAN, 1995 *
 * MONIN1 *
 * *****

**	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	**
DAY	HOUR																								
1	<10	34	12	109	141	48	115	22	102	89	31	<10	<10	151	133	98	32	<10	<10	<10	<10	<10	<10	<10	*
2	<10	<10	<10	<10	<10	<10	<10	17	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	*
3	<10	<10	<10	21	12	<10	<10	<10	<10	<10	<10	<10	<10	17	<10	<10	15	15	<10	<10	<10	<10	<10	<10	*
4	<10	<10	<10	<10	<10	<10	<10	13	<10	12	<10	<10	118	<10	<10	<10	<10	<10	27	12	34	45	52	<10	*
5	<10	<10	<10	<10	<10	28	11	<10	<10	<10	<10	<10	39	450	766	311	128	20	<10	<10	<10	<10	<10	<10	*
6	<10	<10	<10	<10	<10	13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	13	<10	<10	26	<10	<10	<10	*
7	<10	<10	<10	12	16	71	<10	<10	<10	30	<10	<10	131	46	<10	<10	<10	<10	16	25	16	<10	22	19	*
8	<10	<10	11	<10	<10	22	<10	31	12	<10	<10	<10	22	34	<10	<10	34	52	<10	<10	34	29	31	41	*
9	31	<10	<10	49	<10	<10	<10	14	13	41	<10	<10	<10	35	101	64	<10	<10	14	28	<10	<10	<10	<10	*
10	<10	<10	13	<10	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	<10	94	<10	23	<10	34	37	59	23	129	*
11	346	446	256	77	<10	<10	<10	<10	<10	<10	26	283	438	366	299	267	106	<10	<10	<10	<10	<10	<10	<10	*
12	<10	35	<10	<10	<10	<10	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	<10	29	<10	<10	<10	<10	<10	<10	*
13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	15	<10	<10	*
14	<10	<10	<10	<10	<10	<10	23	15	<10	<10	<10	<10	1020	<10	<10	85	<10	10	<10	<10	242	431	389	410	*
15	337	288	330	398	315	196	160	115	163	452	686	----	1423	377	59	161	305	152	<10	24	<10	<10	<10	<10	*
16	<10	12	<10	95	19	<10	<10	<10	<10	<10	<10	2080	-61	-54	----	513	99	122	89	80	<10	<10	<10	<10	*
17	<10	<10	<10	<10	<10	11	22	14	21	<10	<10	-17	-3	-9	-6	26	<10	10	<10	<10	<10	<10	<10	<10	*
18	32	<10	20	14	<10	19	<10	<10	<10	<10	-3	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	*
19	63	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	15	13	<10	<10	<10	<10	<10	<10	*
20	<10	<10	<10	<10	<10	<10	13	<10	<10	<10	<10	<10	<10	<10	<10	14	<10	<10	<10	<10	<10	<10	<10	<10	*
21	17	<10	<10	<10	<10	43	65	<10	<10	<10	<10	<10	<10	<10	-260	195	12	<10	12	<10	<10	<10	<10	<10	*
22	37	18	<10	<10	10	10	<10	<10	<10	58	-49	<10	<10	-90	-75	13	59	<10	<10	<10	<10	11	<10	<10	*
23	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	44	22	32	34	27	76	<10	36	<10	28	26	<10	*
24	17	56	42	<10	<10	21	<10	11	<10	<10	<10	12	107	256	690	170	72	20	31	<10	25	94	37	51	*
25	51	52	34	70	28	100	<10	<10	11	<10	<10	<10	50	50	107	40	46	<10	<10	17	30	<10	13	<10	*
26	<10	11	<10	37	<10	11	13	<10	<10	86	517	3637	----	2334	488	337	51	23	<10	<10	<10	<10	<10	<10	*
27	14	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	13	<10	11	<10	<10	*
28	<10	<10	<10	<10	45	<10	<10	<10	<10	30	-24	<10	103	-2	-33	<10	<10	<10	<10	19	<10	<10	15	<10	*
29	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	10	*
30	<10	<10	<10	<10	<10	<10	<10	<10	<10	11	<10	<10	<10	-2	<10	<10	<10	<10	<10	13	<10	<10	<10	<10	*
31	<10	<10	<10	<10	<10	45	<10	11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	*

 * PERCENT VALID HOURS FOR JAN, 1995 744*100/ 744=100.0% *
 * THREE HIGHEST VALUES FOR JAN, 1995 XXXX(DD,HH) = 3637(26,11) 2334(26,13) 2080(16,11) (FIRST OCCURRENCE IN MONTH) *
 * *****

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1
 * MONIN-OBUKHOV LENGTH 1 TIMES 10
 * FEB, 1995
 * MONIN1

* DAY	HOUR																							*		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	*	
1	<10	<10	<10	<10	11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	*	
2	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	19	<10	22	<10	<10	15	<10	<10	<10	*	
3	<10	<10	<10	<10	<10	<10	15	20	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	*	
4	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	*	
5	<10	<10	<10	34	<10	<10	<10	<10	<10	<10	<10	<10	<10	-10	<10	<10	<10	12	14	<10	<10	<10	<10	<10	*	
6	<10	<10	19	<10	56	<10	<10	24	<10	<10	<10	<10	<10	<10	<10	<10	<10	32	10	<10	<10	<10	<10	<10	*	
7	<10	<10	<10	<10	<10	<10	<10	<10	13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	19	14	<10	*	
8	<10	<10	50	81	71	138	88	114	227	366	825	----	----	-534	4821	246	129	42	15	<10	11	<10	<10	<10	<10	*
9	27	<10	<10	14	<10	<10	<10	<10	<10	<10	-63	-14	-4	-39	224	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	*
10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	----	1665	108	23	<10	<10	13	<10	<10	<10	<10	<10	<10	*
11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	1022	657	500	180	98	11	12	<10	<10	<10	<10	<10	<10	*
12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	70	-108	-419	----	906	553	216	16	<10	<10	<10	<10	<10	<10	<10	*
13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	21	1061	1354	959	880	740	451	241	510	344	537	643	570	625	<10	*
14	634	627	945	788	535	378	285	416	627	1164	850	396	380	1009	201	<10	32	<10	110	57	22	70	40	<10	<10	*
15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-3	-20	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	*
16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-7	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	*
17	<10	<10	<10	<10	<10	<10	23	321	<10	<10	<10	<10	<10	-13	181	<10	<10	<10	16	<10	<10	<10	<10	<10	<10	*
18	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	35	33	<10	<10	<10	<10	54	30	<10	<10	20	<10	*
19	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	231	186	88	55	43	<10	<10	<10	<10	<10	<10	<10	*
20	<10	<10	<10	<10	12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	11	<10	<10	<10	<10	<10	*
21	<10	<10	<10	<10	<10	<10	<10	<10	234	<10	<10	<10	<10	133	264	223	183	47	<10	<10	<10	<10	<10	<10	<10	*
22	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	14	<10	<10	<10	<10	<10	<10	*
23	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	12	34	<10	<10	<10	<10	<10	<10	<10	11	<10	<10	<10	*
24	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	17	<10	<10	<10	*
25	12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	156	629	196	111	57	131	14	<10	11	<10	<10	<10	<10	*
26	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	1356	134	133	74	23	<10	<10	28	<10	<10	<10	<10	*
27	<10	<10	<10	<10	27	<10	<10	<10	<10	<10	<10	<10	43	448	269	132	64	39	209	82	64	22	<10	<10	<10	*
28	<10	<10	<10	<10	<10	<10	<10	56	16	15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	20	68	<10	<10	<10	*

 * PERCENT VALID HOURS FOR FEB, 1995 672*100/ 672=100.0%
 *
 * THREE HIGHEST VALUES FOR FEB, 1995 XXXX(DD,HH) = 4821(8,14) 1665(10,13) 1356(26,13) (FIRST OCCURRENCE IN MONTH)

***** SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1 *****																							
***** MONIN-OBUKHOV LENGTH 1 TIMES 10 *****																							
***** DAY *****																							
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
***** HOUR *****																							
1	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2	<10	19	<10	<10	<10	<10	<10	<10	<10	<10	-2	-243	832	621	439	319	62	<10	<10	<10	<10	<10	<10
3	<10	<10	<10	<10	11	<10	156	222	450	823	1096	797	1261	1106	843	530	358	227	43	83	62	11	51
4	77	49	<10	<10	<10	<10	<10	<10	<10	155	<10	37	530	540	613	225	100	10	<10	<10	<10	20	<10
5	<10	230	217	192	134	47	<10	53	353	412	641	2147	1618	589	325	424	554	540	435	260	<10	67	<10
6	<10	20	127	134	190	130	102	130	398	674	-577	----	-81	-11	-34	-84	<10	<10	<10	32	15	<10	<10
7	<10	<10	62	<10	11	<10	35	<10	<10	<10	<10	<10	145	12	<10	67	75	31	<10	<10	24	<10	<10
8	46	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	444	553	249	<10	<10	<10	<10	<10	13	12	<10
9	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	39	++++	313	458	224	169	135	107	99	213	195	74
10	30	<10	<10	26	45	<10	<10	25	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	20	77	47	28	<10
11	56	<10	<10	<10	<10	<10	<10	23	21	159	403	1685	2038	1217	1703	915	589	265	112	171	47	17	<10
12	<10	<10	<10	13	<10	<10	<10	<10	<10	<10	<10	<10	-25	-159	-408	3713	130	44	15	<10	<10	<10	<10
13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	27	<10	<10
14	<10	<10	<10	10	35	<10	<10	<10	-3	<10	<10	<10	-28	-107	<10	<10	<10	46	10	<10	<10	<10	12
15	<10	<10	<10	17	<10	<10	<10	<10	500	-32	***	<10	<10	<10	<10	<10	<10	28	24	25	<10	<10	<10
16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
17	<10	<10	<10	<10	<10	<10	<10	11	<10	-32	<10	<10	<10	<10	<10	54	48	24	23	<10	<10	<10	<10
18	<10	<10	<10	<10	10	<10	23	26	<10	<10	<10	<10	<10	59	404	369	187	86	31	<10	<10	<10	<10
19	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-34	<10	45	75	71	21	<10	<10	<10	<10
20	<10	<10	<10	<10	<10	<10	<10	14	-8	<10	<10	11	618	1023	825	860	885	631	518	524	526	540	628
21	1235	1032	667	625	852	813	835	1718	4102	----	1285	7692	----	751	4541	1954	1029	903	631	553	369	383	164
22	<10	<10	32	42	<10	<10	<10	<10	21	<10	33	-114	-435	----	----	1207	448	349	26	<10	<10	<10	<10
23	12	<10	<10	15	<10	20	<10	<10	<10	1344	641	2345	5866	130	75	2763	441	229	115	50	<10	<10	35
24	<10	<10	<10	<10	<10	<10	15	<10	<10	146	-55	559	-21	-89	-952	827	300	216	18	<10	58	23	<10
25	<10	<10	<10	<10	<10	<10	<10	<10	42	1516	----	-458	-177	-156	-330	457	129	30	25	<10	<10	<10	<10
26	<10	<10	<10	15	<10	<10	<10	<10	<10	<10	<10	-37	-84	-33	-22	-19	-45	12	<10	<10	<10	<10	<10
27	<10	<10	<10	<10	<10	<10	<10	<10	<10	377	2127	----	-542	-331	-797	----	1785	642	172	51	39	82	<10
28	<10	<10	<10	11	70	<10	<10	<10	665	----	-663	-220	-137	-109	-155	-432	341	274	100	22	<10	<10	<10
29	54	<10	<10	<10	53	<10	<10	<10	<10	-4	25	-27	-16	-26	-41	-94	3236	54	21	16	59	55	44
30	<10	<10	<10	<10	<10	<10	41	156	765	----	-359	-146	-116	-77	-94	-335	49	<10	<10	25	<10	<10	14
31	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-9	-25	-60	<10	<10	<10	34	19	<10	<10	<10
***** PERCENT VALID HOURS FOR MAR, 1995 743*100/ 744= 99.9% *****																							
***** THREE HIGHEST VALUES FOR MAR, 1995 XXXX(DD,HH) = ++++(22,15) ++++(9,13) 7692(21,11) (FIRST OCCURRENCE IN MONTH) *****																							

[illegible]

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1
 * MONIN-OBUKHOV LENGTH 1 TIMES 10
 * MAY, 1995
 * MONIN1

	HOUR																									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
DAY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1	*	<10	<10	<10	<10	<10	<10	<10	<10	-104	-208	-315	-424	-398	-635	----	++++	1633	1077	1182	825	439	257	135	*	
2	*	308	34	39	12	<10	<10	<10	<10	-18	-39	-79	-43	-34	-55	-66	-127	-458	150	30	<10	<10	<10	17	<10	*
3	*	<10	<10	<10	<10	<10	28	87	-232	-4	-5	-19	-15	-19	-74	-80	-118	-377	115	14	<10	14	<10	<10	<10	*
4	*	<10	<10	<10	<10	<10	<10	<10	-208	-24	-35	-288	----	----	----	----	----	++++	431	81	30	132	57	99	<10	*
5	*	11	49	360	353	433	397	1229	1241	----	-742	----	133	1420	----	395	433	2015	636	393	291	288	141	172	359	*
6	*	312	328	226	242	19	29	130	-320	-198	-101	-72	-17	-20	-23	-100	-65	-230	-639	216	63	<10	<10	<10	<10	*
7	*	32	<10	<10	<10	<10	<10	65	----	-255	-198	-198	-152	-233	-315	64	<10	119	156	55	<10	<10	<10	27	28	*
8	*	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	225	-28	-41	-84	-78	-94	-227	229	40	18	22	<10	<10	<10	*
9	*	<10	<10	<10	<10	<10	<10	37	<10	<10	<10	-10	-64	-92	-113	-146	-391	----	389	40	11	13	<10	<10	42	*
10	*	<10	<10	12	<10	17	<10	<10	<10	<10	-3	13	-10	-42	-64	-59	-151	-497	189	26	33	<10	<10	<10	<10	*
11	*	<10	<10	<10	<10	<10	<10	13	151	-221	-98	-121	-115	-147	-287	-434	-645	----	691	115	98	151	143	41	<10	*
12	*	15	15	<10	15	<10	17	300	----	-115	-73	-37	-19	-119	-166	-146	-195	-922	927	250	57	68	156	284	115	*
13	*	104	74	48	66	59	<10	<10	-35	-7	-238	-721	-638	-660	-542	-760	----	----	5358	570	228	202	116	41	111	*
14	*	13	<10	<10	<10	<10	<10	-199	24	-4	-13	-34	-17	-59	-119	-211	-265	----	----	30	<10	<10	<10	29	137	*
15	*	481	601	138	<10	26	44	13	60	-6	-2	-1	-13	-39	-19	-26	-50	-129	209	34	26	12	<10	<10	<10	*
16	*	<10	16	<10	<10	<10	<10	38	<10	-29	<10	-20	-17	-181	-221	-592	-709	1600	1119	119	11	<10	<10	<10	<10	*
17	*	<10	<10	17	<10	<10	<10	39	<10	-22	-5	-15	-16	-69	-86	-173	-482	183	333	97	28	<10	<10	<10	<10	*
18	*	<10	<10	<10	<10	<10	<10	<10	<10	<10	-20	-85	-85	-93	-86	-96	-83	-306	166	33	22	<10	<10	<10	<10	*
19	*	<10	24	41	<10	<10	<10	<10	<10	-6	-2	-62	-22	-40	-28	-68	-106	341	119	57	12	<10	<10	<10	<10	*
20	*	<10	<10	<10	<10	<10	<10	<10	<10	<10	-3	-31	-58	-56	-48	-144	-353	----	318	43	<10	<10	<10	<10	14	*
21	*	<10	<10	<10	<10	<10	<10	<10	<10	-11	-12	-15	-141	-236	-896	----	----	3189	486	122	11	<10	<10	<10	<10	*
22	*	<10	<10	<10	<10	<10	29	126	6125	-354	-55	-86	-203	-154	-281	100	44	73	40	161	43	29	<10	<10	<10	*
23	*	<10	<10	<10	<10	<10	<10	16	139	-10	-27	-290	637	32	<10	<10	223	197	28	<10	19	<10	<10	<10	<10	*
24	*	<10	<10	<10	<10	<10	<10	22	545	-579	-365	-417	-217	-953	****	74	41	<10	<10	144	122	<10	<10	<10	<10	*
25	*	<10	<10	<10	<10	<10	<10	<10	<10	-87	-20	942	29	-236	45	415	213	73	62	205	136	25	69	20	<10	*
26	*	<10	18	<10	<10	12	17	<10	115	-71	285	-130	-58	-95	-61	-138	-274	----	305	59	<10	<10	<10	<10	<10	*
27	*	<10	13	19	<10	<10	<10	<10	<10	<10	18	83	53	143	59	28	221	527	<10	<10	11	25	<10	<10	<10	*
28	*	<10	<10	<10	<10	<10	<10	<10	-12	-54	-19	-115	-89	-66	-69	-89	-534	-749	452	97	<10	<10	<10	<10	<10	*
29	*	<10	<10	<10	<10	11	<10	<10	<10	-2	-19	-28	-65	-16	-121	-68	-180	200	497	56	<10	<10	<10	<10	17	*
30	*	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-21	-10	-14	-50	-102	-226	----	404	52	25	<10	<10	<10	<10	*
31	*	<10	<10	<10	<10	<10	<10	<10	<10	<10	227	-30	-49	-80	-31	-84	-448	2572	311	57	<10	<10	<10	<10	<10	*

 * PERCENT VALID HOURS FOR MAY, 1995 743*100/ 744= 99.9%
 *
 * THREE HIGHEST VALUES FOR MAY, 1995 XXXX(DD,HH) = ++++(4,16) ++++(1,16) 6125(22, 7) (FIRST OCCURRENCE IN MONTH)

 ** SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1
 ** JUNE, 1995
 ** MONIN-OBUKHOV LENGTH 1 TIMES 10
 ** MONIN1

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	<10	<10	<10	<10	<10	<10	<10	<10	<10	-58	-134	-400	129	10	539	779	312	199	247	519	37	<10	<10	19
2	12	<10	<10	<10	12	<10	-8	-16	-14	-19	-123	-155	-135	-199	-428	-421	329	58	373	57	11	14	33	<10
3	<10	<10	<10	<10	<10	<10	<10	84	-78	-47	-34	-29	-28	-161	-269	-150	-779	29	<10	<10	17	<10	<10	<10
4	<10	<10	<10	<10	<10	<10	<10	<10	37	14	-7	-21	-59	-89	-86	-145	-385	524	100	31	<10	18	<10	<10
5	<10	<10	<10	<10	<10	<10	44	<10	-154	-301	-983	-687	-825	----	----	----	----	3152	601	130	188	47	40	26
6	<10	<10	45	<10	<10	<10	<10	<10	-8	-24	-18	-12	-25	-34	-38	-54	-478	----	1411	1851	2127	1929	1269	1140
7	2316	52	85	25	<10	130	1570	-106	-14	-15	-15	-119	-43	-61	-180	-63	98	262	116	94	52	<10	<10	<10
8	<10	<10	<10	<10	<10	<10	<10	-41	-22	-48	-56	-37	-58	-160	-240	-794	1357	642	138	26	<10	<10	<10	<10
9	<10	<10	<10	<10	<10	<10	<10	<10	<10	-11	-9	-27	-16	-27	-27	-21	-30	7070	13	17	20	<10	<10	<10
10	<10	<10	<10	<10	<10	<10	-99	<10	<10	-16	-25	-9	-7	-17	-28	-21	<10	<10	<10	<10	<10	<10	<10	10
11	<10	<10	<10	<10	<10	<10	<10	48	<10	<10	-16	-13	-34	-136	-336	-586	----	458	95	<10	<10	<10	<10	<10
12	<10	<10	<10	<10	<10	<10	<10	<10	<10	-42	-343	-388	-314	-352	-346	-436	----	419	122	18	<10	<10	<10	<10
13	<10	<10	<10	<10	<10	<10	<10	<10	-304	-155	-547	-457	-417	-385	-483	-854	----	727	290	82	<10	<10	<10	<10
14	<10	<10	<10	<10	<10	<10	<10	<10	451	-313	-735	-759	-711	----	----	++++	5811	417	205	170	121	21	20	19
15	47	99	79	46	78	28	284	1063	----	-802	----	-817	-598	-761	----	----	++++	----	1162	792	857	222	347	455
16	496	414	503	580	129	135	2341	----	----	----	-596	----	----	-335	-101	-135	-373	----	772	256	84	12	<10	<10
17	20	16	<10	<10	<10	<10	-15	-11	-9	-8	-10	-31	-30	-79	-114	-197	-263	----	179	34	28	<10	<10	<10
18	<10	67	<10	<10	<10	<10	<10	<10	<10	-12	-10	-35	-81	-172	-432	-761	----	1417	389	172	13	39	<10	<10
19	<10	<10	<10	<10	<10	<10	<10	<10	-25	-32	-56	-77	-134	-285	-495	-517	-990	1182	209	<10	<10	<10	<10	<10
20	<10	<10	<10	<10	<10	<10	<10	0	-22	-65	-70	-149	-188	-157	-138	-194	-521	400	358	159	51	60	68	195
21	278	302	94	38	59	117	345	-193	-21	-8	-12	-17	-9	-9	-17	-105	-151	615	59	16	13	<10	<10	<10
22	<10	15	34	13	<10	<10	46	-8	-15	-10	-6	-13	-8	-22	-13	-19	-14	<10	<10	25	<10	<10	24	<10
23	<10	<10	19	<10	<10	<10	<10	-9	-28	-19	-37	-30	-29	-58	-14	-66	-349	128	43	18	<10	<10	<10	<10
24	<10	35	38	14	<10	17	29	257	----	-170	-75	-60	-45	-73	-20	-104	----	148	30	11	24	31	<10	<10
25	<10	<10	<10	<10	<10	<10	<10	-9	<10	-11	-29	-20	-20	-27	-36	321	13	86	89	<10	<10	<10	21	<10
26	<10	18	<10	<10	<10	<10	<10	<10	45	-37	-41	-16	-14	-47	----	201	12	82	210	62	24	17	13	16
27	30	25	<10	<10	24	<10	<10	<10	-10	-3	-6	-35	-97	-105	-164	-357	----	722	70	12	<10	15	<10	<10
28	<10	<10	<10	<10	30	19	<10	192	-1	0	-14	-50	-90	-156	-193	-335	-705	287	46	163	399	106	32	100
29	66	23	12	27	<10	<10	35	-138	-532	-9	-14	-17	-18	-38	-42	-873	----	1781	435	368	575	294	161	77
30	<10	<10	<10	<10	<10	<10	<10	45	<10	-12	-14	-26	-35	-51	-93	-179	----	467	113	25	363	42	<10	<10

 ** PERCENT VALID HOURS FOR JUNE, 1995 720*100/ 720=100.0%

*** THREE HIGHEST VALUES FOR JUNE, 1995 XXXX(DD,HH) = ++++(14,15) ++++(15,16) 7070(9,17) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1
 * MONIN-OBUKHOV LENGTH 1 TIMES 10
 * JULY, 1995
 * MONTH1

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY	HOUR																							
1	<10	12	<10	<10	<10	<10	33	-31	-2	-8	-21	-16	-19	-65	-87	-143	-999	897	131	25	52	68	<10	<10
2	<10	<10	<10	12	25	<10	<10	<10	-4	-6	-6	-13	-41	-98	-145	-253	-596	1077	267	65	12	<10	<10	<10
3	<10	<10	<10	<10	<10	<10	<10	<10	-18	-28	-60	-78	-89	-91	-157	-329	-882	677	244	92	32	<10	<10	11
4	<10	<10	21	10	<10	<10	<10	46	-21	-18	-42	-46	-3	0	-33	-41	-87	63	33	24	15	<10	<10	<10
5	<10	<10	<10	<10	<10	<10	<10	-749	-201	<10	-21	-58	-75	-99	-250	-329	----	636	160	36	21	<10	<10	<10
6	20	15	<10	<10	<10	<10	<10	<10	33	-489	-525	-533	-506	-597	-629	-880	----	830	177	48	21	<10	18	<10
7	13	32	<10	<10	<10	<10	<10	<10	<10	-2	-235	-410	-376	-220	-437	-550	1481	238	49	<10	<10	<10	<10	<10
8	<10	<10	<10	<10	<10	<10	47	198	29	-157	-7	-26	-175	-81	-18	-994	366	73	<10	<10	<10	<10	<10	<10
9	11	<10	<10	<10	<10	<10	152	38	10	-126	-377	-345	-230	-385	-475	-722	----	745	220	71	128	79	56	<10
10	<10	<10	<10	<10	<10	<10	<10	26	113	1108	----	----	-647	-883	----	2351	578	247	175	46	<10	<10	<10	<10
11	<10	<10	<10	<10	<10	<10	<10	<10	-567	-780	-551	-499	-461	-403	-563	----	----	1378	392	183	94	113	94	<10
12	<10	<10	<10	<10	<10	<10	52	4214	----	-850	-616	-488	-572	-476	-478	-744	----	792	181	39	<10	14	<10	14
13	<10	<10	<10	<10	28	<10	38	839	-36	-15	-7	-11	-22	-95	-50	-67	-135	195	44	35	<10	<10	<10	<10
14	<10	<10	<10	<10	<10	<10	-21	<10	<10	-286	-21	-9	-19	-38	-37	-72	-170	150	45	16	<10	<10	<10	<10
15	<10	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
16	****	<10	<10	<10	<10	<10	21	52	39	-45	-45	-24	-35	-248	-921	----	----	934	575	110	121	361	561	234
17	67	<10	<10	19	<10	34	<10	<10	<10	102	-48	25	-6	-8	-12	-171	-108	45	<10	<10	66	<10	<10	18
18	<10	<10	<10	<10	<10	<10	-2	<10	<10	-1	-11	-67	-53	-108	-201	-405	----	816	203	45	<10	<10	<10	<10
19	<10	<10	<10	<10	<10	<10	<10	<10	66	-304	-245	-246	-273	-248	-216	-319	-657	1254	177	29	<10	<10	<10	<10
20	<10	<10	<10	<10	<10	<10	<10	<10	<10	-12	-49	-58	-67	-164	-341	-489	----	675	174	13	<10	11	<10	<10
21	<10	24	<10	<10	<10	<10	<10	<10	-84	-7	-11	-40	-34	-45	-66	-127	-491	894	233	<10	<10	<10	<10	<10
22	<10	<10	<10	<10	<10	<10	-31	<10	-1	-6	-18	-42	-59	-109	-146	-184	-411	448	78	15	16	<10	<10	25
23	<10	<10	<10	<10	15	<10	<10	-44	-3	-7	-15	-3	-30	-87	-90	-106	-135	226	34	37	22	<10	<10	<10
24	<10	<10	<10	<10	<10	<10	<10	<10	<10	-12	-33	-86	-87	-108	-191	-297	-967	459	133	23	<10	<10	<10	<10
25	<10	<10	<10	<10	<10	<10	<10	<10	<10	-2	-38	-242	-243	-314	-367	-599	----	444	93	<10	<10	<10	<10	<10
26	<10	<10	<10	<10	<10	<10	<10	<10	139	-43	-156	-177	-153	-166	-195	-366	----	535	134	12	<10	<10	<10	<10
27	<10	<10	<10	<10	<10	<10	<10	<10	<10	-20	-87	-107	-144	-112	-236	-313	----	528	96	19	18	<10	<10	<10
28	<10	<10	<10	<10	<10	<10	<10	<10	<10	-6	-9	-28	-27	-44	-61	-243	-553	288	61	25	<10	<10	<10	<10
29	<10	<10	<10	<10	<10	<10	<10	<10	<10	-8	-104	-235	-262	-441	-647	----	----	707	175	70	38	52	<10	<10
30	<10	<10	<10	<10	<10	<10	<10	<10	<10	-27	-32	-109	-103	-153	-248	-274	-398	405	74	<10	<10	<10	46	104
31	58	126	56	64	59	16	83	1787	-37	-4	-7	-6	-11	-10	-4	-33	-361	50	46	39	<10	<10	<10	<10

 * PERCENT VALID HOURS FOR JULY, 1995 720*100/ 744= 96.8%
 *
 * THREE HIGHEST VALUES FOR JULY, 1995 XXXX(DD,HH) = 4214(12, 7) 2351(10,15) 1787(31, 7) (FIRST OCCURRENCE IN MONTH)
 *

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1
 * MONIN-OBUKHOV LENGTH 1 TIMES 10
 * SEPT, 1995
 * MONIN1

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
DAY																									
1	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	1621	1168	-399	-180	----	----	54	<10	23	<10	34	<10	<10	
2	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-58	-386	1183	-101	----	518	160	79	46	<10	<10	<10	<10	
3	<10	<10	<10	<10	<10	<10	<10	-238	-40	-83	-360	-15	-33	-69	-78	-454	-373	565	106	<10	<10	<10	22	<10	
4	58	<10	<10	<10	<10	<10	<10	<10	<10	-338	-452	-415	-381	-500	-782	----	2271	381	86	<10	<10	<10	<10	<10	
5	<10	<10	<10	<10	<10	<10	<10	<10	<10	-135	-205	-239	-260	-304	-259	-467	624	102	16	<10	<10	<10	<10	<10	
6	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-40	-150	-189	-243	-528	1476	178	41	<10	<10	31	<10	<10	
7	44	37	17	27	13	15	26	<10	<10	-77	-404	-433	-313	-414	-567	----	628	244	86	<10	<10	16	<10	<10	
8	<10	<10	<10	<10	<10	<10	-18	<10	<10	-79	-79	-99	-161	-191	-234	-494	658	119	<10	<10	<10	<10	<10	<10	
9	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	31	-34	-43	-116	-309	----	1347	343	<10	<10	<10	<10	<10	<10	
10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-13	-90	-160	-384	----	552	98	<10	<10	<10	<10	<10	<10	
11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-21	-20	-72	-102	-379	126	39	23	<10	<10	<10	<10	<10	
12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-15	-11	-42	-436	<10	<10	28	<10	<10	<10	<10	<10	
13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-7	-23	-33	-81	<10	<10	<10	12	<10	<10	<10	<10	
14	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-18	-56	-121	29	<10	<10	15	11	<10	<10	<10	<10	
15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-6	-64	-39	-32	-213	29	34	<10	<10	<10	<10	<10	<10	
16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	41	-220	-312	-422	-677	----	588	244	72	144	138	70	<10	<10
17	<10	<10	<10	<10	<10	<10	<10	<10	2062	----	-337	-164	-106	-89	-187	-645	331	98	13	<10	<10	<10	<10	<10	
18	<10	14	<10	<10	<10	<10	<10	<10	<10	-54	-37	-30	-42	-64	-161	-515	317	97	34	<10	<10	<10	<10	<10	
19	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-10	-71	-45	-81	-282	213	-47	13	<10	<10	<10	<10	<10	
20	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-78	-161	-210	-420	-721	----	503	88	28	<10	<10	<10	<10	<10
21	<10	168	177	219	207	240	299	1066	----	-611	-312	-133	-112	-115	-111	----	172	53	19	25	26	<10	<10	22	
22	19	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
24	****	<10	<10	<10	14	<10	-12	-4	0	0	-1	-1	0	-2	-5	-67	-109	-915	138	41	15	<10	86	186	
25	271	55	-9	-13	-84	-109	-5	-1	-2	-1	-2	-27	-199	-294	-312	-325	-352	-363	33	-178	68	656	394	<10	
26	<10	<10	-319	<10	20	63	0	0	-1	-2	-13	-31	-27	-48	-75	-135	-245	-403	19	68	126	103	46	28	
27	<10	-621	-62	788	-29	-34	-7	0	0	-1	-2	-2	-110	-159	-186	-238	-320	-229	-405	130	24	-343	252	72	
28	<10	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
29	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
30	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	

 * PERCENT VALID HOURS FOR SEPT, 1995 601*100/ 720= 83.5%
 *
 * THREE HIGHEST VALUES FOR SEPT, 1995 XXXX(DD,HH) = 2271(4,16) 2062(17, 8) 1621(1,11) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1 *
 * MONIN-OBUKHOV LENGTH 1 TIMES 10 *
 * OCT, 1995 *
 * MONIN1 *
 * *****

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
2	****	-142	12	-90	-48	-347	-3	-1	-1	-1	0	-1	-5	-6	-2	-2	-19	<10	<10	57	49	-253	157	-873
3	-40	132	-12	-82	-8	-61	-2	0	-1	0	-2	-21	-99	-98	-134	-189	-208	----	<10	119	-87	-110	128	780
4	----	----	-422	-702	-627	-458	-394	-274	-284	-194	-174	-145	-107	-115	-125	-203	-290	-391	-889	608	1539	4011	-354	227
5	57	<10	1706	----	----	----	-570	-315	-157	-68	-45	-22	-7	-9	-7	-9	-28	-145	10	<10	550	<10	<10	<10
6	<10	<10	736	-32	-523	-7	-1	-1	-1	0	0	0	-2	-1	-5	-33	-135	674	105	<10	83	72	33	134
7	-215	<10	<10	-56	-75	-30	-5	-2	-3	0	0	0	-2	-21	-30	-49	-135	88	58	27	<10	<10	-341	-568
8	117	-621	<10	27	-39	-22	-2	0	-1	0	-1	0	-6	-30	-56	-94	-160	101	105	14	<10	<10	<10	----
9	-381	-490	108	-53	----	-56	-39	-5	-1	0	0	-1	-4	-26	-35	-66	-135	60	31	<10	30	64	<10	42
10	-524	35	-156	-94	290	-75	-10	0	-1	0	0	0	0	-2	-6	-4	-109	115	103	<10	<10	<10	<10	<10
11	<10	<10	109	-235	37	-44	-6	-2	-1	0	-5	-93	-218	-224	-251	-287	-255	-384	153	<10	<10	1289	<10	<10
12	103	120	103	90	1712	<10	-35	-4	-2	-1	-3	-22	-23	-14	-17	-21	-133	349	<10	58	620	130	----	----
13	++++	1522	++++	----	----	<10	----	-445	-227	-212	-124	-40	-20	-30	-32	-58	-113	321	42	<10	73	127	213	-257
14	159	<10	43	<10	<10	<10	-13	-4	-1	-1	0	0	0	0	-1	-6	-15	63	59	16	37	26	<10	<10
15	<10	<10	12	----	<10	<10	-12	-5	-1	0	0	0	0	-17	-115	-207	-389	147	35	30	<10	84	70	19
16	80	38	<10	50	<10	12	-2	-1	-1	0	-1	0	0	0	0	-1	-65	45	124	<10	22	24	142	70
17	47	53	51	-302	<10	76	-9	-2	-5	0	0	-1	0	-1	-7	-3	26	37	38	59	<10	22	<10	12
18	31	<10	192	<10	33	10	-8	0	-8	-1	0	-1	-44	-80	-76	-102	-584	25	32	<10	10	<10	<10	52
19	14	212	221	<10	<10	40	-65	-19	-1	-58	-2	-1	-46	-21	-4	-24	-109	119	18	107	25	17	<10	<10
20	<10	<10	<10	<10	25	<10	-16	-4	0	0	0	0	0	-14	-61	-117	----	36	<10	<10	<10	27	19	<10
21	<10	<10	-716	<10	147	-41	-11	0	-1	-1	-3	-6	-105	-122	-193	-158	----	<10	<10	425	76	283	----	----
22	----	----	++++	3724	994	1556	299	----	-639	-290	-101	-73	-148	-129	-182	-324	----	242	96	<10	<10	37	754	21
23	83	53	18	21	68	570	-914	-113	-21	-61	-29	-19	-8	-3	-11	-3	<10	<10	<10	27	<10	<10	<10	12
24	<10	<10	<10	58	12	55	<10	0	0	-1	0	0	-1	0	-1	-7	<10	34	<10	<10	<10	20	<10	<10
25	<10	<10	15	<10	59	38	-41	-8	<10	<10	0	-1	0	-8	-35	-144	201	31	24	<10	12	44	<10	25
26	16	39	<10	65	58	409	-22	-3	0	-4	-1	0	-2	-1	-36	-197	----	580	142	25	<10	<10	57	<10
27	<10	63	<10	46	<10	<10	<10	-35	-2	-1	0	-3	-2	-2	-8	-71	44	61	<10	<10	<10	<10	<10	32
28	<10	355	-59	-124	<10	<10	-593	-3	-3	-3	-7	-9	0	-1	-10	<10	72	73	28	<10	81	71	45	43
29	133	574	-262	-298	148	31	176	147	-211	-156	-29	-24	-8	-1	-2	-5	-324	19	38	45	30	<10	51	<10
30	<10	<10	<10	<10	11	27	279	0	-7	-1	-5	0	-52	-92	-125	-183	1671	20	<10	<10	18	19	<10	<10
31	<10	<10	16	26	25	<10	148	-19	-1	-5	-4	-28	----	----	-246	-304	-706	70	27	17	<10	<10	<10	<10

 * PERCENT VALID HOURS FOR OCT, 1995 719*100/ 744= 96.6% *
 * THREE HIGHEST VALUES FOR OCT, 1995 XXXX(DD,HH) = ++++(22, 2) ++++(13, 0) ++++(13, 2) (FIRST OCCURRENCE IN MONTH) *
 * *****

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1
 * MONIN-OBUKHOV LENGTH 1 TIMES 10
 * NOV, 1995
 * MONIN1

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	23	10	45	44	-301	42	<10	308	-1	-37	-44	-58	-52	-118	-165	-318	-610	121	93	<10	<10	14	<10	<10
2	<10	51	18	56	<10	125	<10	19	-46	-7	-2	0	-1	-2	0	-8	<10	12	41	34	33	21	<10	<10
3	36	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
5	****	<10	<10	<10	<10	<10	<10	<10	0	<10	-1	-6	-23	-74	-533	---	194	37	<10	<10	<10	<10	<10	25
6	12	<10	<10	<10	14	24	24	-32	-9	-20	-5	-11	-67	-111	-251	-784	192	25	11	<10	<10	<10	<10	14
7	<10	<10	<10	<10	<10	16	<10	<10	0	-3	0	0	0	0	-10	-805	63	38	43	<10	<10	<10	<10	<10
8	<10	22	<10	29	<10	<10	<10	-20	-29	-3	-4	-158	0	-35	-131	---	134	12	<10	<10	<10	<10	<10	<10
9	<10	31	100	<10	19	47	<10	69	-11	-6	-9	-1	-43	-226	-308	---	132	<10	<10	14	10	25	<10	<10
10	<10	<10	<10	<10	<10	<10	<10	<10	17	-423	-71	-91	-73	-118	-98	98	<10	<10	<10	<10	<10	<10	<10	<10
11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	---	-1	-2	-4	-91	296	52	<10	<10	<10	<10	14	<10	<10
12	<10	<10	22	46	<10	17	<10	16	0	<10	<10	0	-229	0	-16	128	42	<10	<10	<10	<10	<10	<10	<10
13	<10	<10	<10	<10	<10	<10	<10	<10	-1	0	-5	0	0	-3	1468	63	<10	<10	23	10	<10	<10	<10	<10
14	<10	<10	<10	<10	<10	19	<10	<10	-7	-49	-3	-3	41	-5	-7	85	<10	<10	<10	<10	<10	<10	<10	<10
15	14	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-3	0	-1	-16	<10	<10	<10	<10	<10	<10	<10	<10	<10
16	<10	<10	<10	<10	35	<10	<10	<10	<10	<10	<10	70	-166	-71	---	138	22	23	<10	<10	<10	<10	<10	<10
17	<10	<10	<10	<10	<10	<10	<10	<10	-3	<10	<10	<10	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
18	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-26	-6	<10	<10	22	<10	<10	<10	<10	<10	<10	<10	<10	<10
19	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
20	<10	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	****	<10	<10	<10	<10	<10	<10	20	188	828	605	4706	2499	2001	314	196	114	81	139	<10	<10	<10	<10	<10
27	<10	<10	48	91	56	16	<10	80	285	638	1406	++++	1663	279	353	138	37	29	<10	<10	<10	<10	35	<10
28	10	36	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
29	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
30	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****

 * PERCENT VALID HOURS FOR NOV, 1995 458*100/ 720= 63.6%
 *
 * THREE HIGHEST VALUES FOR NOV, 1995 XXXX(DD,HH) = ++++(27,11) 4706(26,11) 2499(26,12) (FIRST OCCURRENCE IN MONTH)

MON IN 1

H·OUR

[illegible]
$$0 * 100 / 744 = .0\%$$

THREE HIGHEST VALUES FOR DEC, 1995 XXXX(DD,HH) = ****(1, 0) ****(1, 0) ****(1, 0) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 2
 * MONIN-OBUKHOV LENGTH 2 TIMES 10
 * APR, 1995
 * MONIN2

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-205	-246	-717	----	----	580	418	34	<20	<20	168	266	<20
2	<20	<20	<20	<20	<20	<20	<20	199	1711	----	-318	-219	-275	-426	-363	----	2563	444	68	44	<20	89	33	64
3	<20	<20	39	71	226	87	<20	<20	427	-107	-25	-23	-7	-13	-20	-41	-32	<20	<20	<20	<20	<20	<20	<20
4	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-6	-24	-87	-161	-271	----	124	22	<20	<20	<20	<20	<20
5	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-16	-39	-85	-144	-450	-766	2499	130	<20	<20	<20	<20	<20
6	<20	<20	<20	<20	<20	<20	<20	<20	<20	----	-385	-601	-615	-542	-902	----	1600	403	<20	<20	<20	<20	21	<20
7	<20	<20	<20	<20	<20	<20	<20	<20	242	<20	-114	-78	-71	-365	-828	----	499	<20	<20	206	400	201	54	
8	129	248	132	27	<20	<20	<20	396	-122	-23	-14	-39	-117	-212	-487	-406	----	271	98	95	118	954	668	807
9	797	409	188	569	265	870	1047	----	-594	-386	-310	-204	-190	-257	-403	-956	----	2191	697	623	350	376	460	73
10	169	219	265	55	212	224	248	++++	-425	-157	-90	-51	-138	-77	-96	-150	----	153	25	20	37	<20	<20	<20
11	<20	<20	<20	<20	<20	<20	<20	<20	<20	-11	-18	-3	-10	-3	-13	-7	-103	151	89	30	<20	<20	<20	<20
12	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-8	-20	-49	-196	-466	-958	----	461	143	48	<20	<20	<20	<20
13	<20	<20	<20	<20	<20	<20	20	181	----	----	----	-938	-808	----	----	----	++++	3779	4202	1820	1973	85	80	244
14	125	<20	32	<20	<20	<20	<20	204	740	-251	-167	-27	-9	-13	-27	-56	-297	147	57	<20	<20	<20	<20	<20
15	<20	<20	<20	<20	<20	<20	81	6620	-476	-7	-7	-63	-93	-148	-91	-256	-950	920	421	203	354	810	537	780
16	616	292	82	31	170	143	277	270	1309	----	----	-347	-604	-600	-681	----	----	231	212	243	106	38	46	<20
17	<20	<20	<20	<20	<20	<20	<20	<20	-233	-221	-97	-88	-68	-188	-386	-819	----	1076	515	860	714	834	816	200
18	<20	****	71	157	71	80	322	731	4837	++++	243	174	<20	<20	51	31	<20	<20	<20	<20	<20	<20	<20	<20
19	<20	<20	<20	<20	<20	<20	<20	<20	471	-42	-67	-86	-167	----	314	447	272	59	77	42	<20	<20	<20	<20
20	<20	<20	<20	<20	<20	<20	170	699	----	----	-581	-414	-192	-203	----	----	----	1079	291	183	346	104	<20	<20
21	<20	<20	<20	<20	<20	<20	<20	170	----	-828	-491	-561	-366	-256	-349	----	3140	853	217	176	222	226	30	<20
22	<20	<20	<20	<20	<20	<20	254	563	----	-244	-121	-80	-121	-82	-145	-211	----	534	55	<20	<20	<20	<20	<20
23	<20	<20	<20	<20	<20	<20	<20	145	-204	-240	-130	-86	-82	-59	-67	-93	----	<20	<20	<20	<20	<20	<20	<20
24	<20	<20	<20	<20	<20	<20	<20	<20	<20	-18	<20	-23	-15	-41	-63	-179	-596	214	32	<20	<20	<20	<20	<20
25	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-27	-71	-186	-326	-476	-865	----	544	94	<20	<20	<20	<20	<20
26	<20	****	29	<20	<20	<20	<20	----	0	-50	43	-15	-23	-46	-20	-241	----	87	44	<20	<20	123	<20	<20
27	<20	<20	<20	<20	<20	<20	<20	160	-632	-949	----	-605	-533	-607	-746	----	----	2974	1042	738	287	277	104	132
28	<20	<20	<20	<20	<20	<20	<20	-36	-22	-74	-57	-72	-91	-161	-305	-284	-450	1285	146	<20	<20	<20	69	<20
29	22	<20	<20	<20	<20	63	<20	-95	-191	-203	-204	-207	-345	-403	-397	-573	----	2795	1156	421	157	183	129	195
30	105	35	<20	<20	<20	<20	<20	-64	-6	-34	-41	-66	-29	-55	-31	-41	-362	2716	152	106	<20	<20	<20	<20

 * PERCENT VALID HOURS FOR APR, 1995 718*100/ 720= 99.7%
 *
 * THREE HIGHEST VALUES FOR APR, 1995 XXXX(DD,HH) = ++++(13,16) ++++(10, 7) ++++(18, 9) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 2 JUNE, 1995 *
 * MONIN-OBUKHOV LENGTH 2 TIMES 10 MONIN2 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY	HOUR																							
1	<20	<20	<20	<20	<20	<20	<20	-2	-1	-36	-101	-324	----	112	9609	9856	979	463	475	1169	71	<20	<20	66
2	78	<20	<20	<20	<20	<20	-7	-33	-2	-14	-105	-136	-140	-212	-376	-330	-393	3147	3419	364	40	49	77	<20
3	<20	<20	<20	<20	<20	<20	-5	-7	-56	-42	-40	-25	-27	-142	-138	-122	-154	-798	<20	<20	29	<20	<20	<20
4	<20	<20	<20	<20	<20	<20	-70	-72	-20	-2	-1	-15	-63	-93	-83	-118	-201	----	198	66	<20	<20	<20	<20
5	<20	<20	<20	<20	<20	<20	3403	244	-113	-236	-749	-565	-632	-795	----	----	----	----	2215	401	376	88	140	28
6	<20	<20	68	<20	<20	<20	<20	42	-4	-27	-16	-11	-43	-49	-60	-55	-443	----	----	++++	----	++++	++++	----
7	----	176	282	109	<20	362	-531	-86	-6	-28	-13	-143	-61	-68	-148	-44	653	----	635	202	121	<20	<20	<20
8	<20	<20	<20	<20	<20	<20	<20	-93	-29	-50	-62	-33	-70	-152	-210	-419	----	----	282	61	<20	<20	<20	<20
9	<20	<20	<20	<20	<20	<20	<20	0	-5	-5	-27	-19	-26	-24	-22	-21	-48	28	26	28	<20	<20	<20	<20
10	<20	<20	64	<20	<20	<20	-9	0	-99	-2	-3	-2	-6	-14	-25	-7	-6	-29	<20	<20	<20	<20	<20	<20
11	<20	<20	<20	<20	<20	<20	-10	-9	-4	-1	-2	-10	-38	-125	-254	-395	-667	----	204	<20	<20	<20	<20	<20
12	<20	<20	<20	<20	<20	<20	77	<20	-37	-45	-258	-294	-256	-284	-270	-314	-585	----	256	30	<20	<20	<20	<20
13	<20	<20	<20	<20	<20	<20	5169	-12	-37	-101	-387	-367	-337	-318	-354	-527	----	6125	601	153	<20	<20	<20	<20
14	<20	<20	<20	<20	<20	<20	<20	-50	-220	-524	-567	-533	-827	----	----	----	----	1359	447	347	229	46	21	<20
15	84	161	144	79	143	82	617	++++	----	-626	-794	-650	-501	-624	----	----	----	----	++++	3352	3863	739	941	1039
16	1016	853	1136	1427	307	340	----	----	----	----	-539	-763	----	-336	-106	-144	-315	----	5899	673	162	22	<20	<20
17	<20	<20	<20	<20	<20	<20	-30	-9	-4	-3	-12	-35	-33	-86	-117	-178	-210	-415	495	73	53	<20	<20	<20
18	<20	<20	<20	<20	<20	<20	<20	-5	-1	-2	-3	-34	-73	-174	-381	-569	-871	----	877	280	40	65	<20	<20
19	<20	<20	<20	<20	<20	<20	<20	-5	-16	-28	-51	-90	-145	-288	-452	-421	-577	----	436	<20	<20	<20	<20	<20
20	<20	<20	<20	<20	<20	<20	<20	-1	-17	-58	-68	-162	-204	-165	-134	-172	-366	-898	1309	384	114	178	177	400
21	509	609	209	80	130	314	----	-142	-29	-9	-16	-24	-8	-10	-24	-95	-110	-274	144	27	<20	<20	<20	<20
22	<20	<20	43	27	<20	<20	435	-7	-3	-8	-3	-12	-10	-41	-15	-19	-12	-173	<20	49	<20	<20	25	<20
23	<20	<20	<20	<20	<20	<20	<20	-95	-4	-4	-26	-68	-42	-31	-105	-20	-69	-142	-496	125	63	40	<20	<20
24	<20	47	45	<20	<20	<20	239	-66	-489	-268	-143	-71	-47	-115	-33	-108	-221	-413	66	48	35	48	<20	<20
25	<20	<20	<20	<20	<20	<20	<20	-5	-4	-12	-44	-54	-35	-48	-66	-59	-618	326	227	<20	<20	<20	28	<20
26	22	<20	<20	<20	<20	<20	<20	-5	-196	444	-26	-46	-43	-30	-47	-102	-839	-852	336	507	134	53	51	35
27	78	28	<20	<20	40	<20	-39	-2	-8	0	-11	-37	-99	-97	-166	-283	-505	----	164	52	<20	<20	<20	<20
28	<20	<20	<20	<20	34	<20	<20	-15	-2	0	-8	-45	-92	-148	-180	-252	-354	++++	119	330	1443	369	77	295
29	173	61	32	54	<20	<20	-23	-10	-5	-6	-18	-23	-23	-49	-53	-726	----	----	3271	2040	2974	1091	625	282
30	32	<20	<20	<20	<20	<20	41	-1	-3	-6	-10	-19	-36	-50	-92	-145	-507	----	353	38	1510	169	39	<20

 * PERCENT VALID HOURS FOR JUNE, 1995 720*100/ 720=100.0% *
 *
 * THREE HIGHEST VALUES FOR JUNE, 1995 XXXX(DD,HH) = ++++(15,18) ++++(6,19) ++++(6,21) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 2
 * MONIN-OBUKHOV LENGTH 2 TIMES 10
 * JULY, 1995
 * MONIN2

	HOUR																							
DAY*	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	<20	64	<20	<20	<20	<20	-53	-2	-2	0	-12	-13	-19	-64	-79	-122	-470	----	359	46	82	179	<20	<20
2	<20	<20	<20	<20	<20	<20	-1	-1	-4	-2	-5	-20	-41	-98	-129	-226	-351	----	1318	167	40	<20	<20	<20
3	<20	<20	<20	<20	<20	<20	<20	-25	-9	-31	-70	-82	-106	-112	-175	-306	-451	----	814	213	67	<20	<20	<20
4	<20	<20	30	<20	<20	<20	-30	-101	-25	-16	-41	-75	-5	-8	-49	-52	-29	-95	86	51	<20	<20	<20	<20
5	<20	<20	<20	<20	<20	<20	<20	-9	0	-2	-6	-59	-84	-101	-221	-241	-415	----	384	70	55	<20	<20	<20
6	42	62	<20	<20	<20	<20	<20	-67	-23	-329	-435	-424	-391	-462	-454	-576	-701	----	395	101	54	<20	<20	<20
7	34	96	<20	<20	<20	<20	<20	<20	-2	-2	-167	-312	-284	-192	-333	-385	----	913	107	<20	<20	<20	<20	<20
8	<20	<20	<20	<20	<20	<20	5747	-271	-54	-9	-6	-32	-166	-61	-35	-841	----	----	<20	<20	<20	<20	<20	<20
9	<20	<20	<20	<20	<20	<20	-16	-15	-273	-70	-298	-281	-192	-309	-360	-479	-696	----	542	232	303	174	158	<20
10	<20	<20	<20	<20	<20	<20	-468	-117	928	----	-415	-684	-462	-494	-993	----	----	1459	421	110	<20	<20	<20	<20
11	<20	<20	<20	<20	<20	<20	<20	-179	-194	-516	-413	-389	-362	-329	-440	-637	----	----	1126	355	173	184	157	<20
12	<20	<20	<20	<20	<20	<20	105	----	-743	-621	-499	-404	-460	-398	-391	-529	-908	----	371	77	<20	<20	<20	20
13	<20	<20	<20	<20	<20	<20	140	-68	-12	-4	-6	-11	-27	-99	-57	-61	-77	-481	112	64	<20	<20	<20	<20
14	<20	<20	<20	<20	<20	<20	-3	-1	-14	-1	-15	-8	-25	-34	-35	-62	-94	-446	82	<20	<20	<20	<20	<20
15	<20	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
16	****	<20	<20	<20	<20	<20	-121	-41	-25	-35	-31	-11	-23	-208	-563	-641	----	----	++++	440	402	1228	2993	1061
17	230	20	<20	77	26	140	<20	<20	-120	-77	-10	-2	-5	-9	-16	-126	-90	-398	112	22	175	<20	<20	25
18	<20	<20	<20	<20	<20	<20	-2	-4	0	0	-9	-52	-61	-104	-181	-333	-538	----	550	96	24	<20	<20	<20
19	<20	<20	<20	<20	<20	<20	45	0	-31	-245	-205	-224	-256	-227	-198	-266	-402	----	536	72	<20	<20	<20	<20
20	<20	<20	<20	<20	<20	<20	-38	<20	-54	-12	-44	-55	-66	-155	-313	-349	-534	----	353	21	<20	33	<20	<20
21	<20	<20	<20	<20	<20	<20	<20	<20	-59	-12	-11	-39	-39	-48	-64	-119	-321	----	525	<20	<20	48	<20	49
22	<20	<20	<20	<20	<20	<20	-28	<20	-2	-4	-14	-44	-55	-107	-140	-175	-243	-652	190	32	<20	<20	<20	<20
23	<20	<20	<20	<20	<20	<20	<20	-15	-6	-1	-3	-10	-33	-79	-93	-91	-90	-532	85	75	46	<20	<20	<20
24	<20	<20	<20	<20	<20	<20	<20	<20	-32	-18	-27	-87	-90	-107	-177	-244	-413	----	353	31	<20	<20	<20	<20
25	<20	<20	<20	<20	<20	<20	<20	-2	-3	-2	-36	-195	-221	-255	-277	-372	-921	4598	175	<20	<20	<20	<20	<20
26	<20	<20	<20	<20	<20	<20	<20	<20	-39	-39	-128	-155	-146	-147	-178	-265	-440	----	312	25	<20	<20	<20	<20
27	<20	<20	<20	<20	<20	<20	<20	<20	-44	-21	-74	-112	-127	-100	-207	-228	-428	----	198	35	42	<20	<20	<20
28	<20	<20	<20	<20	<20	<20	<20	0	-4	-21	-19	-44	-48	-63	-75	-194	-234	----	171	43	<20	<20	<20	<20
29	<20	<20	<20	<20	<20	<20	<20	<20	-8	-12	-100	-229	-241	-403	-504	-671	----	----	414	143	83	90	<20	<20
30	<20	<20	<20	<20	<20	<20	<20	0	-11	-12	-25	-104	-110	-140	-234	-204	-188	-970	196	<20	<20	28	106	229
31	138	314	115	137	139	29	326	-548	-59	-10	-8	-15	-8	-6	-22	-92	-130	-156	127	69	<20	<20	<20	<20

 * PERCENT VALID HOURS FOR JULY, 1995 720*100/ 744= 96.8%
 *
 * THREE HIGHEST VALUES FOR JULY, 1995 XXXX(DD,HH) = ++++(16,18) 5747(8, 6) 4598(25,17) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 2
 * MONIN-OBUKHOV LENGTH 2 TIMES 10
 * AUG, 1995
 * MONIN2

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	<20	<20	<20	<20	<20	<20	<20	-10	-3	0	-1	-6	-17	-31	-40	-47	-98	-504	37	35	<20	<20	<20	<20
2	<20	****	<20	<20	<20	<20	<20	-9	-1	-4	-2	-6	-51	-87	-128	-147	-272	----	128	42	<20	<20	<20	<20
3	<20	<20	<20	<20	<20	<20	<20	-52	-8	-3	-31	-134	-135	-191	-213	-209	-353	----	163	23	<20	<20	<20	97
4	27	<20	<20	<20	<20	<20	<20	-18	-1	-5	-59	-146	-153	-280	-249	-345	-524	----	249	79	<20	<20	<20	<20
5	<20	<20	<20	<20	<20	<20	-1	0	0	-9	-6	-51	-174	-283	-405	-534	-657	----	232	<20	<20	<20	<20	<20
6	<20	<20	<20	<20	<20	<20	<20	-49	-9	-50	-192	-232	-178	-160	-147	-330	-848	++++	165	92	56	85	77	<20
7	<20	<20	<20	56	<20	<20	<20	-45	-71	-139	-161	-256	-361	-412	-509	-586	----	----	1423	656	281	273	120	<20
8	<20	<20	<20	<20	<20	<20	29	-46	-18	-43	-17	-9	-35	-85	-148	-164	-307	----	164	<20	<20	<20	<20	<20
9	<20	<20	<20	<20	<20	<20	<20	0	-41	35	****	****	****	****	2871	1517	742	-634	-198	-137	-404	-235	627	509
10	-96	-13	-234	-107	-308	****	209	1838	----	----	----	-490	-688	----	----	-619	----	++++	597	116	141	44	<20	28
11	<20	<20	<20	<20	<20	<20	<20	----	----	-566	-440	-341	-414	-413	-476	-495	----	----	400	34	<20	<20	<20	<20
12	<20	<20	<20	<20	<20	<20	<20	404	++++	----	-839	-245	-179	-208	-276	-312	-438	----	583	366	144	111	116	30
13	<20	<20	<20	<20	<20	<20	<20	-17	-1	-12	-18	-30	-69	-148	-152	-163	-277	8212	67	<20	<20	<20	<20	<20
14	<20	<20	<20	<20	<20	<20	-819	-10	0	-21	-8	-58	-151	-239	-259	-330	-641	1152	59	<20	<20	<20	<20	<20
15	<20	<20	<20	<20	<20	<20	<20	<20	-58	-104	-374	-308	-363	-396	-480	-585	----	++++	312	<20	<20	<20	<20	<20
16	35	49	<20	<20	<20	<20	<20	31	-255	-402	-792	-716	-731	-676	-675	-754	----	2375	394	<20	<20	24	<20	<20
17	<20	<20	<20	<20	<20	<20	<20	<20	-86	-364	-423	-314	-481	-459	-336	-449	-796	++++	543	287	189	31	<20	<20
18	<20	<20	<20	<20	<20	<20	<20	-17	-23	-1	-4	-3	-8	-9	-21	-11	-16	<20	205	48	<20	<20	<20	<20
19	<20	<20	<20	<20	<20	<20	-9	<20	-1	0	-1	-10	-13	-49	-16	-82	-276	----	136	<20	<20	<20	<20	31
20	<20	27	48	38	380	<20	<20	270	277	2293	-179	-190	-102	-68	-57	-155	971	23	<20	<20	<20	<20	<20	<20
21	<20	<20	<20	<20	<20	<20	<20	<20	----	-19	-1	-16	-20	-33	-171	----	-488	866	44	65	<20	<20	<20	<20
22	<20	<20	<20	<20	<20	<20	<20	<20	<20	-9	-7	-23	-16	-27	-59	-58	-91	-696	2313	166	<20	22	48	<20
23	<20	<20	<20	<20	65	<20	<20	-75	-3	-8	-27	-40	-189	-291	-255	-682	----	1253	197	57	<20	47	24	<20
24	<20	<20	29	<20	<20	<20	<20	<20	-208	-577	-518	-320	-375	-272	-464	-570	----	1650	139	<20	<20	<20	<20	<20
25	<20	<20	<20	<20	<20	<20	<20	45	-55	-358	-538	-342	-377	-419	-482	-537	----	532	64	<20	<20	<20	<20	<20
26	<20	<20	<20	<20	<20	<20	<20	<20	-2	-73	-2	-191	-235	-367	-595	----	----	697	43	<20	<20	<20	<20	<20
27	<20	<20	<20	<20	<20	<20	<20	<20	-38	-645	-475	-384	-372	-389	-482	-599	----	983	152	<20	<20	<20	<20	47
28	<20	<20	<20	<20	<20	<20	<20	-25	-33	-214	-365	-262	-275	-401	-445	-780	----	1964	460	117	<20	<20	<20	<20
29	<20	<20	<20	<20	<20	<20	<20	-5	-44	-29	-177	-203	-239	-262	-310	-600	----	897	60	29	<20	<20	<20	<20
30	<20	<20	<20	<20	<20	<20	<20	0	<20	-23	-66	-136	-208	-179	-204	-231	-744	316	53	<20	<20	<20	<20	<20
31	<20	<20	<20	<20	<20	<20	<20	<20	-2	0	0	-50	-85	-291	-296	-289	-921	1121	185	<20	<20	<20	<20	<20

 * PERCENT VALID HOURS FOR AUG, 1995 738*100/ 744= 99.2%
 *
 * THREE HIGHEST VALUES FOR AUG, 1995 XXXX(DD,HH) = ++++(12, 8) ++++(17,17) ++++(15,17) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 2 OCT, 1995 *
 * MONIN-OBUKHOV LENGTH 2 TIMES 10 MONIN2 *

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
2	****	<20	<20	<20	<20	<20	<20	<20	<20	-10	-4	-12	-61	-40	-26	-19	<20	<20	<20	<20	<20	<20	<20	<20
3	****	<20	<20	<20	<20	<20	<20	<20	<20	-6	<20	-202	-103	-315	-379	-726	----	617	20	<20	<20	<20	25	22
4	****	451	384	140	220	613	367	582	2227	----	-836	-530	-466	-313	-358	-543	----	1051	253	103	97	130	<20	98
5	****	<20	<20	123	317	290	341	533	2075	----	-320	-436	-171	-91	-88	-172	804	258	33	<20	<20	<20	<20	<20
6	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-1	-23	-5	-81	-347	435	58	32	<20	<20	<20	<20	<20
7	****	<20	<20	<20	<20	<20	<20	<20	<20	----	-34	<20	-1	-15	-79	-126	-472	241	<20	<20	<20	<20	<20	<20
8	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	0	-28	-121	-254	----	305	24	<20	<20	<20	<20	<20	<20
9	****	<20	<20	<20	<20	<20	<20	<20	<20	----	-5	<20	-23	-21	-93	-168	----	225	<20	<20	<20	<20	<20	<20
10	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-5	0	-4	-10	-247	<20	<20	35	<20	<20	<20	<20	<20
11	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-161	-343	-644	-770	----	2251	430	143	<20	<20	<20	<20	<20
12	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-58	-82	-75	-52	-88	-368	55	46	<20	<20	98	25	159
13	****	178	120	165	180	33	<20	187	1137	----	----	-487	-175	-140	-291	-424	3526	69	75	<20	<20	<20	24	<20
14	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-59	<20	-1	-1	-8	0	-10	267	<20	<20	<20	<20	<20
15	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-94	-653	3582	489	35	<20	<20	<20	<20
16	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-2	-6	-21	<20	<20	<20	<20	<20	<20
17	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-10	-8	-4	-2	-7	-42	-22	<20	<20	<20	<20	<20
18	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	25	-158	-276	-373	2575	113	<20	<20	<20	<20	<20	<20	<20
19	****	<20	35	<20	<20	<20	<20	<20	<20	35	-781	-12	-11	-192	-188	-59	2507	92	22	<20	<20	<20	<20	<20
20	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	-9	<20	-1	-2	-63	-296	1310	106	<20	<20	<20	<20	<20	<20
21	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-39	-298	-413	----	2348	98	<20	<20	41	<20	38	308
22	****	1038	534	300	243	209	355	110	1414	++++	----	-291	-200	-440	-408	-926	1964	276	98	61	<20	<20	<20	281
23	****	59	<20	<20	<20	<20	51	62	45	77	----	-236	-139	-123	-45	-190	<20	<20	<20	<20	<20	<20	<20	<20
24	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-39	0	-10	-26	<20	<20	<20	<20	<20	<20	<20	<20	<20
25	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-7	593	-299	330	77	<20	<20	<20	<20	<20	<20
26	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-32	-395	380	689	120	51	<20	<20	<20
27	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-8	-20	-89	-14	-70	25	<20	20	<20	<20	<20	<20
28	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	58	87	<20	-33	<20	<20	<20	<20	<20	<20	<20	<20	<20
29	****	<20	<20	<20	52	27	<20	<20	95	166	++++	167	68	-14	-12	<20	<20	<20	<20	<20	<20	<20	<20	<20
30	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	81	-2	-527	-267	-580	1426	152	<20	<20	<20	<20	<20	<20	<20
31	****	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	-599	-881	----	----	1380	203	34	<20	<20	<20	<20	<20	<20

 * PERCENT VALID HOURS FOR OCT, 1995 719*100/ 744= 96.6% *
 *
 * THREE HIGHEST VALUES FOR OCT, 1995 XXXX(DD,HH) = ++++(22, 8) ++++(29,10) 3582(15,15) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 2 NOV. 1995 *

D-59

D-60

[illegible]

```
*****
* PERCENT VALID HOURS FOR DEC, 1995          0*100/ 744=   .0%
*
*
* THREE HIGHEST VALUES FOR DEC, 1995 XXXX(DD,HH) = ****( 1, 0)  ****( 1, 0)  ****( 1, 0)  (FIRST OCCURRENCE IN MONTH)
*****
```

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3 JAN, 1995 *
 * MONIN-OBUKHOV LENGTH 3 TIMES 10 MONIN3 *

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	<80	428	<80	728	647	553	583	674	598	521	396	3793	-201	----	3149	854	<80	<80	<80	<80	<80	<80	<80	<80
2	<80	<80	<80	<80	<80	<80	<80	<80	-13	-23	<80	-5	0	-11	-51	++++	<80	<80	<80	<80	123	<80	<80	<80
3	<80	<80	<80	<80	<80	<80	<80	<80	----	----	<80	----	<80	----	472	----	-262	-436	----	292	-133	-8	<80	6615
4	<80	----	++++	1694	----	203	2087	266	-280	-28	-52	-293	----	----	----	----	----	----	----	----	-394	----	-511	-256
5	-478	-160	-26	-204	-22	957	<80	<80	----	-33	-11	-3	-17	-157	-613	----	1201	<80	<80	<80	<80	<80	<80	<80
6	<80	<80	<80	<80	<80	<80	<80	-447	<80	-4	-5	-47	0	0	-4	-5	<80	<80	----	225	<80	-2	<80	----
7	-21	----	<80	<80	<80	----	-44	-822	788	++++	-52	-42	-614	-398	-658	-747	2691	<80	<80	164	<80	<80	120	<80
8	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	-77	-222	<80	233	440	539	189	<80	<80	<80	<80	230
9	<80	<80	<80	87	<80	<80	<80	<80	<80	----	-26	-7	-5	-133	-378	----	4210	<80	<80	<80	<80	<80	<80	<80
10	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	----	-58	-45	-5	-587	2556	964	609	476	1658	319	661	367	732
11	2247	2311	1315	308	<80	<80	<80	<80	<80	<80	258	----	----	----	----	----	930	<80	<80	<80	<80	<80	<80	<80
12	<80	<80	<80	<80	<80	<80	<80	<80	----	-38	0	-61	0	-3	-26	-29	-28	-4	-91	<80	<80	<80	<80	<80
13	<80	<80	<80	165	<80	<80	<80	<80	<80	-263	-4	-4	0	-2	-9	-23	-2	<80	<80	<80	<80	<80	<80	<80
14	<80	<80	-40	<80	98	<80	<80	<80	<80	-12	0	-8	-90	-42	-4	-502	-395	----	<80	<80	1227	2527	2342	1954
15	1492	1573	1548	1685	1208	831	586	428	5021	-943	-510	-367	-407	-577	-133	-712	----	----	-114	1290	203	<80	<80	<80
16	<80	<80	<80	106	<80	<80	<80	<80	-6	-1	-1	-5	-6	-20	-92	-373	-811	-489	-582	-567	-145	-468	-7	-2
17	<80	<80	<80	<80	<80	<80	<80	<80	<80	-64	-3	-14	-7	-4	-8	-9	-103	<80	<80	<80	<80	<80	<80	<80
18	<80	<80	<80	<80	-4	-80	514	-299	-3	-6	-17	-1	0	-354	-9	0	<80	<80	<80	<80	<80	<80	<80	<80
19	<80	<80	<80	<80	<80	<80	<80	<80	-4	-6	-508	-1	-5	-1	-56	-266	236	<80	<80	<80	<80	<80	<80	<80
20	<80	<80	<80	<80	<80	<80	<80	<80	<80	-15	-5	-1	0	-3	-175	----	1203	<80	<80	<80	<80	<80	<80	<80
21	<80	<80	<80	<80	<80	445	----	-329	-18	-5	-33	0	-7	-5	-14	-23	-53	191	<80	<80	<80	<80	<80	<80
22	<80	<80	<80	<80	<80	-2	-19	-1	-158	-4	-1	-1	0	-32	-82	-121	----	6085	2467	300	<80	<80	211	344
23	190	<80	<80	<80	<80	-244	<80	-105	-8	-2	-1	0	-42	-57	-313	-340	----	++++	<80	<80	<80	<80	84	<80
24	177	158	199	<80	<80	2826	238	----	-126	-8	-5	-26	-82	-86	-134	-125	-309	626	<80	<80	<80	<80	<80	<80
25	<80	<80	<80	<80	<80	<80	1956	++++	----	----	----	----	----	----	----	-492	-912	-55	2140	1805	82	<80	<80	<80
26	<80	<80	321	----	----	-212	-125	-799	-43	----	-826	-599	-556	-616	-363	-443	----	200	<80	<80	<80	<80	<80	<80
27	<80	<80	<80	<80	<80	<80	<80	<80	-6	-3	0	-6	-4	-2	-13	-17	-51	113	<80	<80	<80	<80	<80	<80
28	<80	<80	<80	<80	<80	<80	<80	<80	<80	-63	-11	0	0	-1	-3	-9	-49	<80	<80	<80	<80	<80	<80	<80
29	<80	<80	<80	<80	<80	<80	<80	<80	<80	-3	-3	-13	-199	-8	-3	-2	-391	<80	<80	<80	<80	<80	<80	<80
30	<80	<80	<80	<80	<80	<80	<80	<80	-136	-20	-4	-2	-7	-3	-1	-4	-61	<80	<80	<80	<80	<80	<80	<80
31	<80	<80	<80	<80	<80	<80	<80	<80	-18	-25	-4	-4	-15	-6	-17	0	-1	<80	<80	<80	<80	<80	<80	<80

 * PERCENT VALID HOURS FOR JAN, 1995 744*100/ 744=100.0% *
 * THREE HIGHEST VALUES FOR JAN, 1995 XXXX(DD,HH) = ++++(7, 9) ++++(25, 7) ++++(2,15) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3
 * MONIN-OBUKHOV LENGTH 3 TIMES 10
 * FEB, 1995
 * MONIN3

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	<80	<80	<80	<80	<80	<80	<80	<80	-60	<80	0	-4	0	0	-4	<80	<80	<80	<80	<80	<80	<80	<80	<80
2	<80	<80	560	<80	<80	<80	<80	<80	<80	<80	-32	-21	-6	0	-68	316	<80	132	<80	<80	<80	<80	<80	<80
3	<80	<80	<80	<80	<80	<80	<80	<80	<80	-6	-13	0	-1	-69	-43	-277	<80	<80	<80	<80	<80	<80	422	<80
4	<80	<80	<80	<80	<80	1717	<80	203	3840	-68	-337	-5	-7	-1	-2	-3	<80	<80	<80	<80	<80	<80	<80	<80
5	<80	<80	<80	<80	<80	<80	<80	366	230	-1	-65	-9	-2	-30	-13	-5	<80	<80	<80	<80	<80	<80	<80	<80
6	<80	<80	<80	<80	<80	<80	<80	<80	-11	-162	-102	-5	-5	-2	-6	-5	<80	97	<80	<80	<80	<80	<80	<80
7	<80	<80	<80	<80	<80	<80	<80	<80	<80	0	0	-6	-5	-3	-16	-164	343	661	729	<80	<80	<80	<80	<80
8	<80	137	323	318	333	522	348	317	1464	----	-679	-524	-321	-104	-91	-205	3199	236	90	<80	<80	<80	<80	<80
9	<80	<80	<80	<80	<80	<80	<80	<80	<80	-79	-15	-8	-1	-1	-6	-16	-30	<80	<80	<80	<80	<80	<80	<80
10	<80	<80	<80	<80	<80	<80	<80	<80	-9	-1	-24	-3	-19	-71	-67	-172	<80	<80	<80	<80	<80	<80	<80	<80
11	<80	<80	<80	<80	<80	<80	<80	<80	608	0	-3	-4	-600	-462	----	7730	356	86	<80	<80	<80	<80	<80	<80
12	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	-20	-58	-101	-320	----	----	760	<80	<80	<80	<80	<80	<80	<80
13	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	-44	----	----	----	----	----	4097	1162	2226	1995	2549	2665	2993	3881
14	4329	4486	4346	3821	2328	666	1400	4094	4548	----	++++	++++	----	-905	179	136	----	309	439	163	<80	354	273	<80
15	<80	200	<80	<80	<80	<80	<80	<80	<80	----	-5	-183	0	-1	-1	0	-2	<80	<80	<80	<80	<80	<80	<80
16	<80	<80	<80	<80	<80	<80	<80	<80	-67	0	0	-9	-7	-1	-1	0	118	<80	<80	<80	<80	<80	<80	132
17	<80	<80	<80	<80	<80	<80	<80	<80	-614	----	-295	0	0	-3	-4	-14	-6	-172	<80	<80	<80	<80	<80	<80
18	<80	<80	<80	<80	<80	<80	<80	<80	-22	0	0	0	0	-13	-51	-26	<80	<80	<80	<80	<80	<80	<80	<80
19	<80	<80	<80	<80	<80	<80	<80	<80	<80	95	-3	0	-16	----	----	1988	513	260	<80	<80	<80	<80	<80	<80
20	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	-13	-3	-39	0	0	-116	<80	<80	<80	<80	<80	<80	<80	<80
21	<80	<80	<80	<80	<80	<80	<80	<80	-1	-182	-1	-4	0	-197	----	++++	1185	207	<80	<80	<80	<80	<80	<80
22	<80	<80	<80	<80	<80	<80	<80	<80	0	-124	-12	-7	-4	-5	-22	-20	<80	<80	<80	<80	<80	<80	<80	<80
23	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	-20	-3	-40	-77	-12	-76	232	<80	<80	<80	<80	<80	<80	<80
24	<80	<80	<80	<80	<80	<80	<80	<80	341	1235	-14	-19	-3	-1	0	-4	164	<80	<80	<80	<80	<80	<80	<80
25	<80	<80	<80	<80	<80	<80	<80	<80	0	-8	0	-34	-72	-111	-144	-544	908	1651	480	110	<80	<80	<80	<80
26	<80	<80	<80	<80	<80	<80	<80	<80	-2	-1	-14	0	-1	-74	-80	-339	930	85	<80	<80	<80	<80	<80	<80
27	<80	<80	<80	<80	<80	<80	<80	<80	-9	0	-1	-3	-32	-207	-371	-536	607	<80	1036	528	189	<80	<80	94
28	<80	<80	<80	<80	<80	<80	<80	2993	-432	-194	-13	-6	-10	-21	-4	-2	0	-158	845	<80	567	-882	-131	-236

 * PERCENT VALID HOURS FOR FEB, 1995 672*100/ 672=100.0%
 *
 * THREE HIGHEST VALUES FOR FEB, 1995 XXXX(DD,HH) = ++++(14,10) ++++(14,11) ++++(21,15) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3
 * MONIN-OBUKHOV LENGTH 3 TIMES 10
 * MAR, 1995
 * MONIN3

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	-41	-24	-4	-21	0	-11	-2	-4	-3	-3	-11	-74	-287	-395	-302	-322	-149	-589	-320	----	<80	<80	<80	<80
2	<80	<80	<80	<80	<80	<80	-59	-8	-18	-14	-6	-1	-47	-501	----	----	----	1766	158	3161	<80	<80	<80	<80
3	<80	<80	<80	<80	<80	<80	<80	630	2420	----	----	----	----	----	----	----	++++	2099	1199	281	177	297	<80	355
4	292	149	<80	<80	<80	<80	<80	<80	-11	-1	-16	0	-4	-34	-200	-529	++++	431	<80	<80	<80	<80	<80	<80
5	<80	1210	1595	1169	784	355	<80	538	8057	----	----	-969	----	----	++++	++++	5207	5180	++++	-634	-284	-193	----	-76
6	<80	<80	828	964	815	1527	681	1442	----	-224	-120	-31	-21	-3	-4	-23	-31	752	<80	<80	<80	<80	<80	<80
7	<80	<80	<80	<80	<80	<80	<80	-13	-1	0	0	-3	-12	-3	-7	-117	387	<80	<80	<80	<80	<80	<80	<80
8	<80	<80	<80	<80	<80	<80	<80	0	0	0	0	-1	-1	-320	----	1928	907	165	<80	<80	<80	<80	<80	<80
9	<80	<80	<80	<80	<80	<80	<80	<80	-24	-94	0	-2	-106	-181	-869	++++	2029	910	613	651	496	1029	839	373
10	<80	<80	<80	412	355	-555	----	-656	-186	-18	0	-13	-918	-152	-211	<80	<80	<80	380	935	1221	1149	1190	1163
11	1267	----	-298	-6	-797	5889	5174	896	827	----	-551	-699	----	----	----	----	----	1679	736	839	208	<80	<80	<80
12	<80	<80	<80	<80	<80	<80	<80	586	0	-8	-1	-3	-29	-83	-139	-133	-227	227	145	<80	<80	<80	<80	<80
13	<80	<80	<80	<80	<80	<80	<80	-274	-662	-3	-1	-3	0	-1	-2	0	0	-6	<80	<80	<80	<80	<80	<80
14	<80	<80	<80	<80	<80	<80	<80	<80	-4	0	-20	-10	0	-1	0	-1	-89	262	116	<80	<80	<80	87	<80
15	<80	<80	<80	<80	<80	<80	<80	137	<80	-16	-2	----	-5	-1	-1	-2	-11	-505	80	<80	<80	<80	<80	<80
16	<80	<80	<80	<80	<80	<80	<80	<80	-62	0	-1	-8	-1	-2	0	-20	-13	<80	<80	<80	<80	<80	<80	<80
17	<80	<80	<80	<80	<80	<80	<80	<80	-7	-9	0	-16	-10	-5	-9	-56	----	117	104	<80	<80	<80	<80	<80
18	<80	<80	<80	<80	<80	<80	<80	----	-44	-49	-8	-12	-13	-34	-658	----	1479	403	<80	<80	<80	<80	<80	<80
19	<80	<80	<80	<80	<80	<80	<80	<80	-38	-52	-61	-17	-10	-1	-3	-46	-380	406	<80	<80	<80	<80	<80	<80
20	<80	<80	<80	<80	<80	<80	<80	<80	-58	-419	-5	-17	----	----	----	----	6365	3763	2528	2513	2757	2731	3882	7913
21	++++	++++	++++	7988	8247	6345	++++	----	----	----	----	----	----	----	----	----	----	9116	4233	3138	2806	2529	1047	<80
22	<80	<80	262	142	<80	<80	<80	<80	-10	-1	-11	-56	-240	-484	-878	----	----	----	2616	189	370	<80	<80	<80
23	<80	<80	<80	<80	<80	150	122	<80	-255	----	----	----	-953	----	-708	----	-968	----	-923	936	444	146	<80	<80
24	<80	<80	<80	-14	<80	<80	<80	-11	-1	0	-19	-15	-14	-60	-294	-335	----	5945	223	<80	1092	<80	<80	<80
25	<80	<80	<80	<80	<80	<80	<80	<80	-206	-449	-224	-185	-87	-81	-80	-108	-410	116	<80	<80	<80	<80	<80	<80
26	<80	<80	<80	<80	<80	<80	<80	<80	-3	-1	-2	-1	-3	-1	-5	0	-14	-208	<80	<80	<80	<80	<80	<80
27	<80	<80	<80	147	<80	<80	<80	<80	----	-527	-334	-259	-223	-244	-333	-434	----	787	236	97	273	<80	136	<80
28	<80	<80	<80	115	363	<80	<80	-23	-693	-119	-157	-145	-114	-90	-138	-171	-444	----	656	122	<80	<80	161	164
29	357	<80	<80	<80	94	<80	<80	-3	-7	0	0	-1	-3	-2	-20	-45	-92	-898	176	290	356	371	260	220
30	<80	<80	<80	<80	<80	<80	215	----	-692	-412	-107	-84	-55	-60	-60	-58	-87	485	<80	<80	<80	<80	<80	<80
31	<80	<80	<80	<80	<80	<80	<80	-11	-1	-3	-2	0	-1	0	-23	0	-1	-96	<80	<80	<80	<80	<80	<80

 * PERCENT VALID HOURS FOR MAR, 1995 743*100/ 744= 99.9%
 *
 * THREE HIGHEST VALUES FOR MAR, 1995 XXXX(DD,HH) = ++++(3,16) ++++(5,14) ++++(21, 0) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3
 * MONIN-OBUKHOV LENGTH 3 TIMES 10
 * APR, 1995
 * MONIN3

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	<80	<80	<80	<80	<80	<80	<80	-1	-38	-117	0	-50	-142	-260	-384	-365	----	5007	208	<80	<80	409	617	<80
2	<80	<80	<80	<80	<80	<80	<80	++++	----	-461	-193	-189	-228	-301	-273	-480	----	1761	181	140	<80	249	138	270
3	<80	<80	82	<80	121	<80	<80	443	-95	-53	0	-8	0	-3	-29	-18	-11	-26	<80	<80	<80	<80	<80	<80
4	<80	<80	<80	<80	<80	<80	<80	-2	-10	-104	-10	-3	-13	-51	-91	-133	-341	339	<80	<80	<80	<80	<80	<80
5	<80	<80	<80	<80	<80	<80	<80	-465	-6	0	-6	-18	-53	-86	-242	-296	-779	635	<80	<80	<80	<80	<80	<80
6	<80	<80	<80	<80	<80	<80	<80	-43	-6	-18	-184	-383	-413	-331	-533	-744	----	++++	<80	<80	<80	<80	<80	<80
7	<80	<80	<80	<80	<80	<80	<80	-10	-11	-1	-22	-45	-49	-238	-392	-399	-533	----	<80	<80	567	1119	713	189
8	406	920	531	165	<80	<80	<80	-196	-32	-6	-3	-32	-79	-135	-232	-208	-312	----	155	207	707	5439	4021	6925
9	4386	1184	364	7433	1792	6969	----	-740	-417	-298	-231	-182	-192	-222	-334	-637	-980	----	4528	2836	1746	1853	2776	668
10	738	455	338	<80	259	515	2397	----	-194	-107	-66	-44	-75	-71	-69	-91	-303	820	<80	<80	<80	<80	<80	<80
11	<80	<80	<80	<80	<80	<80	<80	-9	-3	-4	-2	-1	0	-1	0	-3	-1	----	112	<80	<80	<80	<80	<80
12	<80	<80	<80	<80	<80	<80	<80	0	-4	0	0	-13	-44	-151	-288	-508	----	3552	438	92	<80	<80	<80	<80
13	<80	<80	<80	87	<80	<80	<80	425	----	----	-930	-723	-657	----	----	----	----	----	----	----	----	-475	2134	775
14	396	<80	<80	<80	<80	<80	<80	-45	-12	-88	-56	-5	-5	-2	-27	-4	-65	528	<80	<80	<80	<80	<80	<80
15	<80	<80	<80	<80	<80	-967	-130	-108	-71	-3	-2	-24	-73	-105	-63	-144	-265	----	----	1593	1919	++++	++++	----
16	----	----	-887	-199	----	-390	-341	-32	-183	-101	-312	-139	-94	-32	-109	-230	-276	-793	----	----	-652	761	120	<80
17	<80	<80	<80	<80	<80	<80	-25	-1	-52	-103	-45	-56	-23	-113	-237	-433	-984	----	++++	++++	----	----	----	----
18	84	****	-368	----	-959	-438	-832	-492	-305	-454	-111	-189	-146	<80	-418	-192	-43	0	0	-34	<80	<80	-91	<80
19	<80	-25	-51	414	<80	<80	-6	0	-1	-22	-17	-30	-79	-95	-116	-344	-717	327	100	<80	<80	<80	<80	<80
20	<80	<80	<80	<80	<80	<80	593	----	----	-887	-274	-194	-142	-133	-582	-644	----	-595	----	1556	++++	1099	<80	<80
21	<80	<80	<80	<80	<80	<80	<80	-92	-186	-511	-302	-360	-256	-193	-266	-766	----	----	614	398	361	498	<80	<80
22	<80	<80	<80	87	<80	<80	732	----	-171	-97	-62	-63	-100	-57	-96	-132	-306	----	235	<80	<80	<80	<80	<80
23	<80	<80	<80	<80	<80	<80	<80	-7	-16	-164	-79	-63	-45	-44	-36	-23	-14	-47	<80	<80	<80	<80	<80	<80
24	<80	<80	<80	<80	<80	<80	<80	0	0	-2	-11	-1	-4	-33	-57	-84	-201	7285	156	<80	<80	<80	<80	<80
25	<80	<80	<80	<80	<80	<80	<80	-1	0	0	-11	-54	-118	-208	-311	-460	-839	2362	305	<80	<80	<80	<80	<80
26	<80	****	<80	<80	<80	<80	<80	-35	-1	-2	-3	-1	-5	-4	-4	-133	-317	----	1953	423	<80	<80	<80	<80
27	<80	<80	<80	<80	<80	<80	<80	<80	-180	-568	-776	-447	-436	-483	-593	-946	----	----	4874	2395	1249	792	352	351
28	<80	<80	<80	<80	<80	<80	<80	-3	-14	-44	-36	-57	-62	-113	-216	-160	-205	----	290	<80	<80	<80	<80	<80
29	<80	<80	<80	<80	<80	<80	-317	-10	-120	-134	-136	-149	-270	-322	-293	-360	----	----	++++	1472	345	402	255	452
30	225	<80	<80	<80	<80	<80	<80	-13	-1	-17	-17	-46	-10	-49	-21	-6	0	-606	451	186	<80	<80	<80	<80

 * PERCENT VALID HOURS FOR APR, 1995 718*100/ 720= 99.7%
 *
 * THREE HIGHEST VALUES FOR APR, 1995 XXXX(DD,HH) = ++++(17,18) ++++(29,18) ++++(15,22) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3
 * MONIN-OBUKHOV LENGTH 3 TIMES 10
 * MAY, 1995
 * MONIN3

	HOUR																							
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	<80	<80	<80	<80	<80	<80	<80	-2	-4	-19	-135	-203	-289	-233	-385	-826	----	----	----	----	++++	5907	2587	1240
2	2316	<80	103	<80	<80	112	-25	0	-1	-33	-67	-43	-33	-67	-63	-106	-136	-415	<80	<80	<80	<80	<80	<80
3	<80	<80	<80	<80	<80	<80	80	-8	-1	0	0	-9	-4	-59	-60	-57	-79	-184	<80	<80	<80	<80	<80	<80
4	<80	<80	261	103	<80	<80	-645	-1	0	-25	-211	-596	-632	-657	-863	-897	----	----	822	-115	1633	718	2801	<80
5	<80	341	----	----	----	----	----	-751	-332	-365	-537	-535	-739	-353	-702	-713	----	----	5374	2909	2035	1342	1235	----
6	----	----	-968	----	-207	-92	-71	-99	-97	-65	-50	-7	-27	-15	-43	-47	-100	-107	-265	-232	-136	-140	-24	-273
7	-316	-909	----	-372	-99	----	-103	-64	-80	-80	-142	-81	-127	-33	-424	-409	-971	-821	424	<80	<80	<80	<80	<80
8	<80	<80	<80	<80	<80	<80	-10	-3	0	-11	-2	-13	-30	-63	-24	-18	-100	-317	308	<80	<80	<80	<80	<80
9	<80	<80	<80	473	332	<80	-60	-5	-1	-3	0	-34	-48	-67	-105	-204	-352	----	258	<80	<80	<80	<80	208
10	<80	<80	<80	<80	<80	<80	-24	0	-12	0	-1	0	-22	-63	-56	-60	-99	-497	<80	<80	<80	<80	<80	<80
11	<80	<80	<80	<80	<80	<80	-23	-5	-2	-50	-70	-69	-111	-215	-257	-308	-434	----	895	453	640	612	186	<80
12	<80	<80	<80	<80	<80	<80	-957	-247	-94	-97	-32	-6	-95	-157	-119	-158	-244	-614	5871	447	326	951	1761	658
13	459	748	938	968	264	<80	725	-14	-5	-138	-482	-437	-486	-422	-533	-748	-802	----	----	++++	++++	----	++++	785
14	<80	<80	<80	<80	<80	<80	-17	-4	0	-1	-8	-13	-40	-64	-121	-118	-195	-156	-131	132	185	87	<80	-557
15	-874	-467	-185	-288	----	-97	-22	-31	-1	-4	0	-1	-16	-8	-18	-34	-50	-192	1275	<80	<80	<80	<80	<80
16	<80	<80	<80	<80	<80	<80	-1	-16	-14	-3	0	-14	-96	-141	-399	-296	-291	-997	-727	128	<80	<80	<80	<80
17	<80	<80	110	<80	<80	<80	-8	0	-2	0	-4	-1	-26	-62	-88	-74	-31	-402	567	184	<80	<80	<80	<80
18	<80	<80	<80	<80	<80	<80	-8	0	-3	-1	-55	-57	-76	-59	-72	-32	-105	-200	174	<80	<80	<80	<80	<80
19	<80	<80	<80	<80	<80	<80	-4	0	0	-2	0	-2	-16	-23	-23	-56	-66	-525	401	<80	<80	<80	<80	<80
20	<80	<80	<80	<80	<80	<80	-220	-22	-6	-6	-9	-53	-43	-39	-90	-155	-313	----	328	<80	<80	<80	<80	<80
21	<80	<80	<80	<80	<80	<80	-2	0	-3	-1	-8	-109	-196	-546	-884	----	-943	----	1033	213	<80	<80	<80	<80
22	<80	<80	<80	<80	<80	<80	----	-166	-79	-21	-49	-107	-125	-185	----	375	-504	-274	----	----	2653	<80	<80	<80
23	<80	<80	<80	<80	-54	-653	0	0	-2	-41	-194	-325	<80	-99	-63	-92	-195	-169	-64	----	<80	321	689	0
24	-367	-551	<80	<80	<80	<80	-36	-107	-132	-110	-194	-135	-431	****	2970	-119	-21	-32	8404	1042	<80	<80	<80	<80
25	90	<80	<80	<80	<80	0	-5	-1	-7	-6	-160	-258	-73	-39	-120	-211	-863	767	1687	967	201	698	<80	<80
26	<80	<80	<80	<80	<80	<80	-175	-12	-12	-19	-19	-27	-62	-38	-121	-207	-389	-991	304	<80	<80	<80	<80	<80
27	<80	<80	<80	<80	<80	<80	-21	-3	0	-7	-83	-100	-72	-50	-12	-121	-200	-83	<80	147	154	<80	<80	<80
28	<80	<80	<80	<80	<80	<80	-10	-2	0	-6	-46	-33	-35	-67	-52	-191	-184	-777	2303	111	<80	<80	<80	<80
29	<80	<80	<80	<80	<80	<80	-186	-4	-5	-6	-12	-37	-9	-58	-22	-39	-125	-701	----	<80	<80	<80	<80	<80
30	<80	<80	<80	<80	<80	<80	0	-1	0	-2	-1	-5	-17	-17	-47	-80	-259	-429	326	<80	<80	<80	<80	<80
31	<80	<80	<80	<80	<80	<80	-14	-5	-1	-6	-1	-28	-61	-14	-56	-205	-502	----	568	204	<80	<80	<80	<80

 * PERCENT VALID HOURS FOR MAY, 1995 743*100/ 744= 99.9%
 *
 * THREE HIGHEST VALUES FOR MAY, 1995 XXXX(DD,HH) = ++++(1,20) ++++(13,22) ++++(13,19) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3 JUNE, 1995 *
 * RICHARDSON NUMBER 3 TIMES 100 RINUM3 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
DAY																									
1	<80	<80	<80	<80	<80	828	-10	-11	0	-22	-86	-227	-355	----	----	----	----	++++	2083	----	<80	<80	<80	112	
2	<80	<80	<80	<80	<80	<80	-9	-23	0	-2	-71	-105	-113	-159	-275	-217	-187	-421	2078	1699	<80	164	<80	<80	
3	<80	<80	<80	<80	<80	<80	0	0	-4	-18	-26	-19	-13	-115	-69	-79	-40	-36	<80	<80	<80	<80	<80	<80	
4	<80	<80	<80	<80	<80	<80	-2	0	-1	0	-7	-2	-60	-71	-69	-89	-128	-367	912	244	<80	<80	<80	<80	
5	<80	<80	<80	<80	<80	<80	-46	-9	-30	-158	-642	-499	-599	-734	----	----	----	----	----	----	2669	195	449	<80	
6	<80	<80	<80	<80	<80	<80	-2	-9	-4	-15	-4	-8	-16	-16	-16	-47	-357	-739	----	----	----	----	----	-615	
7	-486	-59	-92	-50	-57	-232	-132	-32	-2	-7	-6	-98	-40	-50	-55	-14	-142	-325	-709	3013	332	711	<80	<80	
8	<80	<80	<80	<80	<80	<80	0	-10	-1	-5	-27	-13	-57	-100	-118	-187	-429	-631	1046	<80	<80	<80	<80	<80	
9	<80	<80	<80	<80	<80	<80	-7	0	-2	0	-2	-13	-8	-18	-9	-35	-11	-15	<80	<80	<80	<80	<80	<80	
10	<80	<80	<80	<80	<80	<80	-20	-3	-2	-6	-1	-3	-6	-1	-2	-16	-1	0	<80	<80	<80	<80	<80	<80	
11	<80	<80	<80	<80	<80	<80	-1	0	-31	-8	-1	-1	-45	-115	-214	-338	-468	-998	676	<80	<80	<80	<80	<80	
12	<80	<80	<80	<80	<80	<80	-7	-1	-1	-5	-213	-245	-241	-234	-236	-288	-454	----	781	151	<80	<80	<80	<80	
13	<80	<80	<80	<80	<80	<80	0	0	-5	-53	-314	-348	-275	-263	-307	-438	-849	----	2155	396	<80	<80	<80	<80	
14	<80	<80	<80	<80	<80	<80	-19	-31	-7	-183	-477	-483	-478	-737	----	----	----	----	1940	1354	1128	123	<80	<80	
15	242	481	403	<80	413	682	----	----	-851	-578	-676	-584	-449	-585	-944	----	----	-937	----	----	----	-500	----	----	
16	----	----	----	----	----	-229	-793	-516	-762	-620	-401	-497	-581	-199	-78	-114	-219	-608	-949	----	----	2046	<80	<80	
17	<80	<80	<80	<80	<80	<80	0	-5	0	-1	0	-16	-33	-78	-86	-135	-151	-193	----	229	<80	<80	<80	<80	
18	<80	<80	<80	<80	<80	<80	-4	-11	-4	-8	-3	-19	-64	-156	-314	-503	-664	----	++++	1047	313	163	<80	<80	
19	<80	<80	<80	<80	<80	<80	<80	-1	-7	-29	-45	-81	-136	-259	-352	-345	-401	-780	2058	<80	<80	<80	<80	<80	
20	<80	<80	<80	<80	<80	<80	<80	-1	-3	-52	-60	-135	-157	-128	-103	-139	-255	-229	----	2712	251	264	599	1152	
21	2027	2476	666	182	379	2594	-388	-125	-13	-1	-2	-12	-1	-6	-16	-76	-52	-89	408	<80	<80	<80	<80	<80	
22	<80	<80	<80	<80	<80	<80	<80	-6	-4	-4	0	-3	-3	-27	-2	-13	-6	-4	-7	<80	<80	<80	<80	<80	
23	<80	<80	<80	<80	<80	<80	<80	0	0	-18	-65	-28	-22	-66	-30	-52	-94	-192	268	<80	132	<80	<80	<80	
24	<80	<80	<80	<80	<80	<80	-79	-35	-315	-204	-99	-54	-42	-93	-24	-88	-107	-153	<80	<80	<80	<80	<80	<80	
25	<80	<80	<80	<80	<80	<80	<80	0	-4	-8	-45	-55	-41	-49	-49	-24	-21	----	498	<80	<80	<80	<80	<80	
26	<80	<80	<80	<80	<80	<80	<80	-32	-816	-12	-31	-55	-39	-54	-34	-941	-128	----	1263	318	<80	190	<80	<80	
27	<80	<80	<80	<80	<80	<80	----	0	0	-2	-1	-25	-97	-87	-152	-255	-395	-660	398	166	<80	<80	<80	<80	
28	<80	<80	<80	<80	<80	<80	<80	-4	-1	-1	-1	-45	-97	-136	-156	-235	-263	-992	328	622	----	----	<80	821	
29	1512	<80	80	<80	<80	<80	-9	-2	0	0	-7	-31	-61	-193	-228	-715	----	----	----	----	----	----	----	----	
30	----	<80	<80	<80	<80	<80	-17	-2	0	-1	-4	-10	-35	-49	-78	-115	-324	-410	4207	<80	----	3220	213	358	

 * PERCENT VALID HOURS FOR JUNE, 1995 720*100/ 720=100.0% *
 *
 * THREE HIGHEST VALUES FOR JUNE, 1995 XXXX(DD,HH) = ++++(18,18) ++++(1,17) 4207(30,18) (FIRST OCCURRENCE IN MONTH) *

D-66

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3 *
 * MONIN-OBUKHOV LENGTH 3 TIMES 10 *
 * JULY, 1995 *
 * MONIN3 *

	HOUR																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1	198	267	<80	<80	<80	<80	-5	-3	-4	-10	0	-4	-2	-49	-62	-98	-285	-511	3068	166	<80	2811	<80	<80
2	<80	<80	<80	<80	<80	<80	-17	0	0	-2	-1	-9	-44	-77	-97	-170	-251	-493	----	458	245	<80	<80	<80
3	<80	<80	<80	<80	<80	<80	-21	0	0	-26	-75	-82	-121	-125	-176	-265	-366	-852	----	756	108	<80	<80	<80
4	<80	<80	<80	<80	<80	<80	<80	-9	-15	-3	-13	-53	0	-6	-22	-14	0	-20	373	175	<80	<80	<80	<80
5	<80	<80	<80	<80	<80	<80	-1	-4	-6	-3	-2	-52	-83	-88	-174	-173	-283	-812	1323	253	<80	<80	<80	<80
6	<80	<80	<80	<80	<80	<80	<80	0	-3	-331	-374	-353	-362	-436	-394	-467	-513	-926	2062	335	325	<80	<80	<80
7	<80	<80	<80	<80	<80	<80	-25	-3	0	-6	-151	-243	-228	-167	-267	-276	-565	----	307	<80	<80	<80	<80	<80
8	<80	<80	<80	<80	<80	<80	511	-68	-7	0	-7	-44	-128	-68	-50	-678	----	-374	<80	<80	<80	<80	<80	<80
9	<80	<80	<80	<80	<80	<80	-3	-4	-18	-33	-241	-225	-149	-290	-302	-389	-537	-915	1987	600	695	329	220	<80
10	<80	<80	<80	<80	<80	<80	<80	-110	----	----	-242	-594	-399	-446	-755	----	-977	-953	3638	430	108	<80	<80	<80
11	<80	<80	<80	<80	<80	<80	<80	-2	-108	-439	-322	-297	-324	-300	-373	-566	-890	----	++++	849	509	455	461	<80
12	<80	<80	<80	<80	<80	<80	933	-935	-689	-595	-472	-381	-405	-370	-311	-499	-606	----	1370	152	<80	<80	<80	<80
13	<80	<80	<80	<80	<80	<80	<80	-11	-7	0	0	-4	-12	-78	-49	-46	-58	-132	225	<80	<80	<80	<80	<80
14	<80	<80	<80	<80	<80	<80	-1	-7	-1	-4	-2	-2	-13	-16	-13	-46	-65	-130	103	<80	<80	<80	<80	<80
15	<80	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
16	****	<80	<80	<80	<80	<80	-66	-14	-4	-30	-11	-5	-15	-160	-369	-458	-724	-864	----	----	----	----	----	----
17	----	111	<80	<80	<80	94	-68	-17	-7	-19	-1	0	0	-2	-10	-170	-162	-37	-558	<80	357	<80	<80	<80
18	<80	<80	<80	<80	<80	<80	0	-2	-2	-6	-8	-36	-48	-104	-172	-259	-398	-541	3140	253	122	<80	<80	<80
19	<80	<80	<80	<80	<80	<80	<80	0	-2	-221	-158	-194	-232	-190	-161	-242	-283	-524	3729	209	<80	<80	<80	<80
20	<80	<80	<80	<80	<80	<80	-1	-13	0	-3	-45	-44	-67	-144	-276	-296	-383	-762	1031	104	<80	<80	<80	<80
21	<80	<80	<80	<80	<80	<80	-2	-5	-8	-3	-1	-17	-35	-50	-58	-106	-244	-719	1951	<80	<80	<80	<80	<80
22	<80	<80	<80	<80	<80	<80	-38	-6	0	-1	-2	-32	-40	-75	-108	-136	-139	-253	480	112	<80	<80	<80	<80
23	<80	<80	<80	<80	<80	<80	<80	-10	0	-13	-4	-7	-30	-57	-77	-78	-55	-186	106	<80	<80	<80	<80	<80
24	<80	<80	<80	<80	<80	<80	-59	-7	0	-6	-8	-68	-84	-107	-145	-191	-296	----	595	<80	<80	<80	<80	<80
25	<80	<80	<80	<80	<80	<80	<80	-3	-4	-10	-22	-148	-204	-234	-237	-319	-690	----	491	<80	<80	<80	<80	<80
26	<80	<80	<80	<80	<80	<80	-2	-1	-1	-2	-105	-124	-127	-117	-145	-237	-373	----	952	<80	<80	<80	<80	<80
27	<80	<80	<80	<80	<80	<80	-3	-5	-1	-1	-75	-107	-122	-89	-177	-197	-323	----	347	<80	<80	<80	<80	<80
28	<80	<80	<80	<80	<80	<80	<80	-8	-2	-20	-12	-63	-61	-70	-89	-179	-167	-487	344	<80	<80	<80	<80	<80
29	<80	<80	<80	<80	<80	<80	<80	-13	0	-5	-76	-218	-241	-387	-456	-581	-898	----	1154	281	<80	228	<80	<80
30	<80	<80	<80	<80	<80	<80	-572	-1	0	-6	-22	-92	-109	-141	-214	-201	-140	-377	420	<80	<80	<80	254	444
31	405	1021	403	541	579	<80	----	-408	-49	-11	-2	-35	-39	-25	-53	-91	-65	-71	271	<80	<80	<80	<80	<80

 * PERCENT VALID HOURS FOR JULY, 1995 720*100/ 744= 96.8% *
 * THREE HIGHEST VALUES FOR JULY, 1995 XXXX(DD,HH) = ++++(11,18) 3729(19,18) 3638(10,18) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3
 * MONIN-OBUKHOV LENGTH 3 TIMES 10
 * AUG, 1995
 * MONIN3

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY	HOUR																							
1	<80	<80	<80	<80	<80	<80	<80	-3	-1	-5	-3	-59	-63	-68	-98	-49	-48	-187	<80	<80	<80	<80	<80	<80
2	<80	****	<80	<80	<80	<80	<80	0	-2	-2	0	-56	-85	-82	-117	-112	-193	-399	252	<80	<80	<80	<80	<80
3	<80	<80	<80	<80	<80	<80	<80	0	-2	-3	-22	-110	-120	-175	-189	-175	-280	-661	399	<80	<80	<80	<80	<80
4	<80	<80	<80	<80	<80	<80	<80	-2	0	0	-1	-31	-121	-140	-244	-208	-292	-394	-761	425	<80	<80	<80	<80
5	<80	<80	<80	<80	<80	<80	<80	-2	-5	-4	-1	-51	-154	-228	-343	-422	-492	----	765	<80	<80	<80	<80	<80
6	<80	<80	<80	<80	<80	<80	<80	-3	-1	-19	-137	-180	-163	-145	-146	-280	-676	----	332	183	<80	<80	206	125
7	<80	<80	<80	<80	<80	<80	<80	----	-101	-113	-136	-193	-324	-388	-477	-561	----	----	++++	2394	882	708	179	<80
8	<80	<80	<80	<80	<80	<80	<80	-9	-8	-17	-13	-32	-40	-83	-108	-135	-213	-470	355	145	<80	<80	<80	<80
9	<80	<80	<80	<80	<80	<80	<80	-2	-35	0	<80	****	****	****	****	----	102	259	-368	-217	-165	-111	-68	-186
10	-9	-3	-7	-5	-23	****	----	----	----	----	----	-840	-346	-511	-611	-784	-496	-679	----	1382	343	448	303	232
11	<80	<80	<80	<80	<80	<80	<80	-221	-716	-400	-290	-235	-327	-309	-344	-330	-652	----	734	<80	<80	<80	<80	<80
12	<80	<80	<80	<80	<80	<80	<80	----	----	-503	-455	-159	-133	-154	-189	-212	-277	-478	2076	954	485	96	316	<80
13	<80	<80	<80	<80	<80	<80	<80	-1	0	-3	-5	-28	-39	-115	-94	-106	-149	-585	88	<80	<80	<80	<80	<80
14	<80	<80	<80	<80	<80	<80	<80	-1	-1	-2	-6	0	-33	-123	-153	-197	-208	-309	----	88	<80	<80	<80	<80
15	<80	<80	<80	<80	<80	<80	<80	-103	-88	-17	-43	-256	-205	-270	-259	-332	-408	-624	----	728	<80	<80	<80	<80
16	<80	<80	<80	<80	<80	<80	<80	-153	-40	-260	-537	-587	-604	-510	-508	-560	-704	----	1026	<80	<80	<80	<80	<80
17	<80	<80	<80	<80	<80	<80	<80	-1	-11	-275	-276	-214	-354	-321	-255	-303	-480	----	1787	550	430	<80	<80	<80
18	<80	<80	<80	<80	<80	<80	<80	-1	-7	0	0	-1	-5	-1	-6	-1	-8	-45	454	<80	<80	<80	<80	<80
19	<80	<80	<80	<80	<80	<80	<80	-21	-1	-1	-2	-4	-1	-56	-20	-70	-203	-833	1314	<80	<80	<80	<80	<80
20	<80	234	341	493	----	-81	-22	-64	-43	-249	-50	-2	-28	-18	-5	-26	-19	-7	-867	<80	<80	<80	<80	<80
21	<80	<80	<80	<80	<80	<80	<80	-197	-9	-30	-9	-1	-14	-15	-30	-71	-178	-135	-159	192	554	<80	<80	<80
22	<80	<80	<80	<80	<80	<80	<80	-171	-102	0	-1	-6	-3	-22	-103	-31	-40	-122	----	2298	<80	<80	<80	<80
23	<80	<80	<80	<80	600	<80	<80	-4	-1	0	-28	-46	-126	-326	-175	-443	-781	----	482	113	<80	<80	<80	<80
24	<80	<80	<80	<80	<80	<80	<80	-1	-44	-348	-340	-201	-278	-198	-328	-336	-570	----	343	<80	<80	<80	<80	<80
25	<80	<80	<80	<80	<80	<80	<80	-1	-6	-232	-366	-227	-257	-320	-331	-298	-738	1499	<80	<80	<80	<80	<80	<80
26	<80	<80	<80	<80	<80	<80	<80	-7	-1	-2	0	-135	-184	-259	-431	-619	----	5029	159	<80	<80	<80	<80	<80
27	<80	<80	<80	<80	<80	<80	<80	-5	-1	-396	-282	-281	-254	-294	-362	-383	-600	----	362	<80	<80	<80	<80	<80
28	<80	<80	<80	<80	<80	<80	<80	-2	-2	-84	-201	-179	-202	-293	-320	-474	-707	----	1008	294	<80	<80	<80	<80
29	<80	<80	<80	<80	<80	<80	<80	-65	-9	0	-111	-128	-164	-196	-206	-375	-604	----	93	<80	<80	<80	<80	<80
30	<80	<80	<80	<80	<80	<80	<80	-4	-2	-1	-12	-88	-145	-115	-131	-135	-270	1200	99	<80	<80	<80	<80	<80
31	<80	<80	<80	<80	<80	<80	<80	-2	-13	-4	0	-21	-56	-191	-204	-173	-469	----	519	<80	<80	<80	<80	<80

 * PERCENT VALID HOURS FOR AUG, 1995 738*100/ 744= 99.2%
 *
 * THREE HIGHEST VALUES FOR AUG, 1995 XXXX(DD,HH) = ++++(7,18) 5029(26,17) 2394(7,19) (FIRST OCCURRENCE IN MONTH)

D-68

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3
 * MONIN-OBUKHOV LENGTH 3 TIMES 10
 * OCT, 1995
 * MONIN3

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY*																								
1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
31	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

 * PERCENT VALID HOURS FOR OCT, 1995 719*100/ 744= 96.6%

 * THREE HIGHEST VALUES FOR OCT, 1995 XXXX(DD,HH) = 599(22, 9) 577(22, 8) 572(22,12) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3 NOV, 1995 *
 * MONIN-OBUKHOV LENGTH 3 TIMES 10 MONIN3 *
 * * *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	258	<80	558	188	104	<80	<80	<80	<80	<80	<80	<80	<80
2	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
3	<80	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
5	****	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	353	167	113	<80	<80	<80	<80	<80	<80	<80
6	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	121	1112	162	<80	81	<80	<80	<80	<80	<80	<80	<80
7	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
8	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
9	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	537	204	192	<80	<80	<80	<80	<80	<80	<80
10	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	237	<80	119	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
11	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
12	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
13	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
14	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
15	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
16	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
17	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
18	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	-10	-4	-54	-11	-33	-851	<80	<80	<80	<80	<80	<80	<80	<80
19	<80	<80	<80	<80	<80	<80	<80	<80	-289	----	-67	----	265	227	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
20	<80	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	****	<80	<80	<80	<80	<80	<80	<80	637	----	-674	-531	-257	-260	-623	----	472	304	594	<80	<80	<80	<80	<80
27	<80	<80	178	148	<80	<80	<80	<80	1801	-957	-360	-100	-121	-134	-477	1075	115	110	<80	<80	<80	<80	<80	<80
28	<80	<80	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
29	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
30	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****

 * PERCENT VALID HOURS FOR NOV, 1995 458*100/ 720= 63.6% *
 * * *
 * THREE HIGHEST VALUES FOR NOV, 1995 XXXX(DD,HH) = 1801(27, 8) 1666(16, 9) 1190(17, 9) (FIRST OCCURRENCE IN MONTH) *
 * *****

 * SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3
 * MONIN-OBUKHOV LENGTH 3 TIMES 10
 * DEC, 1995
 * MONIN3

	HOUR																							
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
2	****	<80	<80	<80	<80	<80	<80	<80	-18	-64	-11	0	-29	-18	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
3	<80	<80	<80	<80	<80	<80	<80	<80	244	-2	-26	-121	-660	-3	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
4	<80	<80	<80	<80	<80	<80	<80	<80	<80	-10	-153	-4	-9	-1	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
5	<80	<80	<80	<80	<80	<80	<80	<80	-129	-33	-3	-15	-17	-13	-305	811	<80	<80	<80	<80	<80	<80	<80	<80
6	<80	<80	<80	<80	<80	<80	<80	<80	<80	-30	-3	0	-39	-67	-16	<80	<80	<80	<80	<80	<80	<80	<80	<80
7	<80	<80	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
8	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
9	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
10	****	<80	<80	<80	<80	<80	<80	<80	<80	-65	-21	-56	-3	<80	-8	<80	<80	<80	<80	<80	<80	<80	<80	<80
11	<80	<80	<80	<80	<80	<80	<80	<80	<80	-24	-22	-25	-3	-136	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
12	<80	<80	<80	<80	<80	600	895	635	2108	9297	++++	----	----	----	----	----	++++	++++	----	----	----	++++	++++	2412
13	1121	675	471	341	294	269	<80	<80	<80	-600	-552	-346	-270	-891	----	2387	997	394	352	659	3230	++++	<80	1401
14	2269	4129	584	469	<80	<80	<80	<80	<80	-30	-16	-23	-12	-8	-7	-34	<80	<80	<80	<80	<80	<80	<80	<80
15	<80	<80	<80	<80	<80	<80	<80	<80	<80	-21	-3	-1	0	-4	-8	<80	<80	<80	<80	<80	<80	<80	<80	<80
16	<80	<80	<80	<80	181	252	362	----	----	----	++++	-742	-330	-450	----	----	7387	1324	1084	1581	1357	<80	252	377
17	713	377	203	721	1029	1172	971	102	----	-723	-279	-149	-143	-108	-163	----	167	112	147	<80	<80	<80	<80	<80
18	<80	<80	<80	<80	<80	<80	<80	<80	<80	-8	-4	-2	-80	-81	-8	-1	<80	<80	<80	<80	<80	<80	<80	<80
19	<80	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
20	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	<80	<80	<80	<80	<80	<80	<80	201	-610	-47	-30	-65	-213	-261	-350	----	----	----	<80	<80	<80	<80	<80
24	<80	<80	<80	<80	<80	<80	<80	<80	<80	-5	0	-219	-29	-10	-100	----	540	<80	<80	<80	<80	<80	<80	<80
25	<80	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
27	****	<80	<80	<80	<80	<80	<80	<80	<80	-204	-5	-4	-34	-113	-6	<80	<80	<80	<80	<80	<80	<80	<80	<80
28	<80	<80	<80	<80	<80	<80	<80	<80	<80	-9	-17	-2	-2	-4	-364	----	94	<80	<80	<80	<80	<80	<80	<80
29	<80	<80	<80	<80	<80	<80	<80	<80	<80	-49	-4	-12	-8	-13	-8	241	<80	<80	<80	<80	<80	<80	<80	<80
30	<80	<80	<80	<80	<80	<80	<80	<80	<80	-1	-1	-1	-11	-41	-495	1376	574	<80	<80	<80	<80	<80	<80	<80
31	<80	<80	<80	<80	<80	<80	<80	<80	<80	789	----	-882	----	----	----	5769	1416	586	256	115	270	383	210	<80

 * PERCENT VALID HOURS FOR DEC, 1995 504*100/ 744= 67.7%
 *
 * THREE HIGHEST VALUES FOR DEC, 1995 XXXX(DD,HH) = ++++(12,10) ++++(12,22) ++++(12,16) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY TEMPERATURE DIFFERENCE, 2.0 M TO 16.0 M (DEG C) JAN, 1995 *
 * TEMPERATURE DIFFERENCE TIMES 100 DELT3 *
 * * *

	HOUR																							
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	53	20	20	20	26	17	12	4	14	22	8	-11	-29	-22	-8	3	42	17	38	31	21	17	88	27
2	78	39	100	85	51	74	67	25	-24	-27	-5	-15	-28	-35	-44	-11	101	129	183	143	106	30	146	92
3	101	85	26	76	98	40	27	18	-12	-18	4	-13	7	-14	-5	-22	-29	-18	-15	0	-27	-15	-7	-10
4	-2	-19	-12	-10	-13	-2	3	5	-22	-34	-30	-31	-26	-25	-25	-25	-17	-15	-15	-16	-21	-14	-22	-24
5	-22	-28	-26	-27	-24	-11	-8	1	-21	-30	-32	-44	-95	-100	-43	-27	8	39	75	100	106	63	79	32
6	36	14	49	49	77	5	22	-15	-7	-20	-29	-31	-53	-45	-43	-44	-4	52	-12	-3	15	-21	19	-13
7	-20	-16	7	9	33	-16	-45	-40	1	-12	-41	-30	-26	-26	-27	-22	-12	-4	14	27	31	4	17	45
8	20	28	40	29	59	59	35	58	45	24	2	-3	-27	-22	-10	-9	-1	12	-3	7	31	60	42	33
9	68	28	59	65	49	17	68	41	24	-14	-33	-38	-42	-42	-45	-29	-11	41	87	84	41	60	58	82
10	70	51	93	88	54	91	47	25	91	16	-13	-19	-13	-31	-16	-7	-7	4	5	4	8	15	36	19
11	9	16	18	28	49	84	108	186	105	29	-5	-16	-21	-34	-21	-16	4	45	92	100	72	160	115	80
12	31	162	70	65	59	9	62	29	-15	-31	-34	-33	-37	-36	-35	-36	-31	-27	-17	1	1	23	40	38
13	60	16	-7	-10	6	10	12	21	29	-14	-33	-35	-37	-38	-35	-34	-28	-8	12	22	27	7	3	25
14	22	19	-25	19	19	46	58	44	-10	-28	-41	-49	-54	-44	-42	-43	-28	-18	10	58	18	11	9	15
15	18	14	19	18	25	31	41	29	-9	-38	-45	-59	-51	-50	-43	-23	-25	-26	-26	-6	-2	63	46	63
16	15	19	0	0	25	16	6	6	-35	-21	-42	-45	-46	-49	-56	-36	-32	-32	-25	-24	-19	-16	-22	-15
17	8	23	27	54	83	75	126	130	49	-22	-31	-37	-44	-46	-44	-39	-18	103	79	98	89	121	24	55
18	-11	2	0	14	-24	-22	-12	-18	-32	-32	-26	-40	-43	-37	-43	-38	-1	111	49	61	107	110	44	40
19	35	5	7	26	29	23	8	14	-33	-27	-13	-34	-41	-45	-36	-30	1	117	115	169	107	168	117	139
20	98	108	100	152	70	103	198	96	63	-24	-41	-32	-44	-45	-42	-28	-4	55	18	117	73	63	55	56
21	105	76	115	100	41	21	-13	-18	-25	-34	-35	-38	-34	-38	-45	-41	-34	27	101	12	5	37	43	37
22	81	40	49	65	20	-28	-30	-33	-22	-39	-43	-47	-47	-54	-54	-40	-23	-10	-10	-1	21	29	29	6
23	22	10	24	8	-5	-19	-7	-22	-28	-34	-33	-34	-37	-36	-29	-26	-16	-11	4	43	34	19	40	49
24	29	42	22	-6	15	-5	-4	-16	-25	-26	-29	-37	-44	-49	-48	-39	-32	-4	58	7	51	40	25	25
25	31	39	33	27	12	14	-4	-12	-16	-13	-18	-18	-23	-26	-21	-22	-22	-22	-10	-7	24	1	12	6
26	9	16	-1	-17	-22	-57	-101	-41	-36	-14	-46	-57	-63	-55	-45	-39	-17	5	7	29	55	162	69	45
27	138	76	44	15	-4	8	10	2	-22	-34	-38	-45	-51	-45	-41	-39	-25	12	12	121	45	61	77	83
28	112	53	82	38	31	28	87	40	-2	-42	-38	-38	-50	-45	-42	-36	-22	119	44	22	76	115	145	150
29	75	176	141	36	75	103	123	14	28	-34	-46	-44	-43	-37	-38	-37	-20	24	86	162	85	69	157	117
30	152	83	42	104	35	56	28	22	-19	-33	-35	-42	-47	-38	-39	-37	-21	48	67	132	6	72	105	69
31	147	35	59	120	72	78	47	74	-22	-26	-42	-42	-49	-44	-41	-36	-24	128	60	112	39	65	86	74

 * PERCENT VALID HOURS FOR JAN, 1995 744*100/ 744=100.0% *
 * * *
 * THREE HIGHEST VALUES FOR JAN, 1995 XXXX(DD,HH) = 198(20, 6) 186(11, 7) 183(2,18) (FIRST OCCURRENCE IN MONTH) *
 * * *

```
*****  
* SPILL TEST FACILITY TEMPERATURE DIFFERENCE, 2.0 M TO 16.0 M (DEG C) FEB, 1995 *  
* TEMPERATURE DIFFERENCE TIMES 100 DELT3 *
```

[illegible]

```

** PERCENT VALID HOURS FOR FEB, 1995      672*100/ 672=100.0%
**
**
** THREE HIGHEST VALUES FOR FEB, 1995 XXXX(DD,HH) = 454( 3, 4)   447( 3, 6)   445( 3, 5)   (FIRST OCCURRENCE IN MONTH)
**
*****

```

 * SPILL TEST FACILITY TEMPERATURE DIFFERENCE, 2.0 M TO 16.0 M (DEG C) MAR, 1995 *
 * TEMPERATURE DIFFERENCE TIMES 100 DELT3 *
 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY	HOUR																							
1	-33	-32	-31	-25	-21	-29	-27	-31	-36	-40	-49	-53	-61	-64	-53	-41	-34	-22	-22	-13	29	21	54	72
2	38	135	12	-2	5	8	-16	-26	-33	-48	-47	-56	-52	-46	-36	-35	-26	-6	4	-10	13	50	28	89
3	85	100	134	131	147	99	104	26	-2	-14	-32	-39	-34	-41	-38	-32	-12	6	16	15	53	67	37	52
4	64	65	108	166	37	79	64	4	-37	-49	-50	-51	-53	-48	-47	-44	-11	35	87	57	98	111	157	88
5	56	21	8	15	22	29	10	2	-8	-20	-41	-66	-58	-28	-12	-9	-3	-2	-9	-32	-42	-32	-13	-27
6	64	148	41	37	36	20	46	12	-31	-53	-63	-60	-60	-53	-49	-46	-36	-9	52	145	145	79	117	22
7	83	131	37	50	55	13	8	-15	-35	-40	-52	-54	-45	-52	-54	-39	14	128	170	159	210	89	64	116
8	74	110	43	136	25	62	75	-24	-41	-41	-45	-43	-49	-48	-31	9	18	43	58	121	261	224	223	114
9	97	110	132	153	116	145	137	36	-35	-20	-42	-45	-58	-57	-42	-10	0	19	35	26	35	26	34	50
10	61	23	20	22	7	-18	-19	-26	-30	-38	-37	-38	-23	-27	-20	-5	-6	67	79	45	33	28	18	16
11	10	-18	-27	-27	-21	-11	-12	3	-3	-20	-38	-52	-53	-46	-52	-38	-17	6	20	26	55	56	8	21
12	34	24	66	122	137	83	102	-2	-45	-53	-50	-61	-58	-66	-65	-50	-34	17	97	58	87	44	57	95
13	135	94	52	50	37	0	25	-31	-34	-38	-43	-41	-45	-45	-51	-37	-37	-23	81	56	134	124	23	11
14	4	63	42	37	118	46	-3	-7	-33	-37	-37	-48	-52	-47	-46	-40	-32	62	102	56	77	114	100	148
15	183	43	1	138	116	98	51	-11	-38	-45	-36	-48	-47	-43	-38	-44	-21	84	103	150	112	122	216	164
16	153	4	112	239	117	245	147	29	-33	-48	-46	-45	-49	-40	-37	-37	-27	35	156	120	104	65	112	159
17	85	124	108	230	162	170	116	31	-32	-45	-50	-35	-41	-47	-46	-41	-17	114	170	159	183	184	184	123
18	38	104	156	50	43	43	41	-16	-33	-39	-46	-38	-56	-61	-47	-34	7	62	164	114	199	133	193	211
19	175	211	215	217	319	125	145	65	-28	-43	-53	-50	-58	-52	-47	-43	-30	39	154	168	175	192	144	181
20	81	203	91	36	76	118	75	20	-35	-35	-56	-48	-35	-37	-29	-14	0	10	19	15	11	11	6	0
21	-5	-5	-7	-4	-3	0	-5	-33	-57	-77	-52	-17	-53	-39	-53	-34	-16	-3	5	7	6	11	20	14
22	17	2	31	54	15	169	70	5	-45	-40	-51	-71	-88	-104	-91	-72	-46	-16	11	23	31	41	120	61
23	244	257	182	129	59	46	81	22	-16	-47	-40	-27	-31	-42	-26	-51	-31	-32	-31	-5	-7	1	7	57
24	-5	20	23	-13	13	5	-6	-33	-38	-42	-53	-46	-51	-60	-62	-48	-31	-9	6	31	1	45	26	57
25	95	74	89	142	126	188	68	5	-28	-62	-75	-85	-76	-75	-60	-49	-32	49	225	98	154	190	232	94
26	89	223	334	323	353	273	221	16	-28	-41	-50	-56	-60	-55	-50	-52	-42	-17	127	192	138	134	112	166
27	88	216	130	129	217	83	86	86	-20	-49	-72	-91	-93	-81	-68	-55	-38	17	142	206	190	74	71	41
28	51	244	66	49	89	78	61	-22	-40	-60	-66	-68	-87	-88	-79	-61	-40	-19	25	104	35	45	82	128
29	65	2	8	34	56	89	80	-20	-38	-45	-64	-61	-73	-66	-68	-62	-52	-20	103	99	75	62	102	134
30	45	43	43	63	34	81	37	-13	-39	-68	-80	-79	-78	-82	-79	-60	-46	-4	130	275	197	279	106	94
31	157	150	169	121	169	85	56	-29	-34	-50	-41	-52	-59	-58	-67	-50	-41	-15	175	220	176	111	167	210

 * PERCENT VALID HOURS FOR MAR, 1995 744*100/ 744=100.0% *
 *
 * THREE HIGHEST VALUES FOR MAR, 1995 XXXX(DD,HH) = 353(26, 4) 334(26, 2) 323(26, 3) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY TEMPERATURE DIFFERENCE, 2.0 M TO 16.0 M (DEG C) APR, 1995 *
 * TEMPERATURE DIFFERENCE TIMES 100 DELT3 *
 * * *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	177	65	107	70	62	102	62	-32	-37	-37	-47	-50	-61	-66	-61	-56	-26	-7	70	250	75	29	36	16
2	34	142	159	90	76	162	145	-12	-34	-52	-84	-94	-88	-104	-92	-58	-36	4	93	158	45	113	52	68
3	86	240	144	81	194	162	189	-12	-45	-63	-58	-62	-67	-69	-64	-53	-43	-19	100	207	110	95	139	65
4	123	220	50	120	97	95	68	-34	-47	-45	-39	-48	-71	-78	-79	-67	-48	45	211	182	213	243	240	132
5	142	124	122	119	107	155	31	-32	-51	-55	-62	-65	-79	-79	-89	-69	-42	17	129	186	200	134	203	170
6	176	191	152	143	162	70	76	-16	-42	-67	-80	-102	-95	-101	-89	-50	-35	-11	60	119	399	267	204	140
7	157	139	164	154	210	186	58	-34	-58	-43	-56	-77	-82	-91	-82	-65	-54	-15	60	124	35	19	19	25
8	12	15	12	14	39	63	3	-37	-55	-58	-68	-81	-98	-97	-88	-81	-57	-14	64	84	2	-3	-4	-7
9	-5	10	23	-7	-1	-6	-31	-55	-81	-97	-104	-117	-119	-116	-104	-98	-65	-30	-4	0	3	4	0	-2
10	10	24	87	27	90	54	-6	-47	-79	-84	-91	-86	-105	-99	-83	-76	-50	8	130	229	191	253	238	387
11	231	235	141	157	201	135	35	-23	-43	-42	-49	-54	-62	-60	-65	-55	-44	-14	138	155	223	372	110	212
12	154	115	96	120	73	101	28	-39	-41	-49	-55	-69	-77	-92	-90	-75	-47	-3	103	159	153	305	17	49
13	129	85	73	56	109	230	124	2	-52	-84	-100	-112	-115	-109	-97	-72	-44	-23	-21	-14	-20	-34	-11	19
14	24	25	19	42	68	58	12	-48	-53	-71	-74	-67	-76	-66	-54	-56	-45	-40	11	40	40	6	1	46
15	69	122	76	13	98	-18	-34	-56	-82	-66	-76	-78	-87	-104	-81	-75	-55	-31	-13	3	5	-9	-11	-18
16	-16	-19	-20	-26	-22	-28	-26	-42	-50	-50	-71	-97	-69	-58	-60	-62	-54	-27	-19	-22	-26	5	46	12
17	71	46	65	85	92	91	-21	-43	-50	-74	-68	-65	-63	-75	-87	-75	-50	-25	-12	-10	-15	-15	-18	-14
18	-4	-9	-22	-21	-19	-23	-26	-37	-50	-44	-75	-63	-31	-9	-33	-48	-45	-36	-32	-25	10	-1	-13	5
19	8	-20	-29	-9	18	16	-29	-43	-59	-60	-58	-69	-58	-41	-38	-32	-24	-3	148	226	118	215	151	44
20	107	141	211	165	119	150	15	-26	-48	-53	-78	-67	-87	-73	-65	-55	-48	-43	-22	-2	-11	-3	75	70
21	64	42	196	168	111	90	26	-26	-45	-74	-95	-75	-89	-97	-83	-52	-39	-23	29	47	77	54	45	29
22	57	100	144	98	87	53	56	-23	-72	-83	-85	-81	-95	-88	-84	-73	-65	-14	63	99	72	205	218	129
23	356	239	275	362	370	306	108	-33	-50	-77	-84	-97	-89	-80	-73	-65	-48	-40	28	111	174	308	264	263
24	249	130	167	83	140	81	2	-39	-49	-47	-49	-70	-69	-80	-76	-68	-55	-11	98	302	128	248	224	176
25	91	171	85	93	53	62	-1	-36	-50	-55	-60	-78	-95	-107	-96	-74	-49	2	103	142	99	110	273	270
26	65	36	74	61	274	301	23	-39	-44	-51	-69	-73	-76	-80	-70	-70	-46	-21	6	11	275	237	168	152
27	125	254	123	91	117	89	46	23	-50	-87	-100	-118	-115	-111	-98	-87	-55	-27	-1	9	6	39	9	41
28	71	160	142	140	116	120	3	-39	-54	-74	-80	-96	-102	-107	-108	-86	-67	-33	95	158	167	282	283	181
29	152	65	124	89	55	40	-16	-50	-76	-96	-105	-119	-125	-120	-104	-78	-50	-30	-11	11	32	37	52	47
30	78	144	71	182	104	151	21	-44	-60	-76	-80	-81	-77	-74	-68	-66	-50	-39	60	166	174	132	94	148

 * PERCENT VALID HOURS FOR APR, 1995 720*100/ 720=100.0% *
 * * *
 * THREE HIGHEST VALUES FOR APR, 1995 XXXX(DD,HH) = 399(6,20) 387(10,23) 372(11,21) (FIRST OCCURRENCE IN MONTH) *
 * * *

 * SPILL TEST FACILITY TEMPERATURE DIFFERENCE, 2.0 M TO 16.0 M (DEG C) JUNE, 1995 *
 * TEMPERATURE DIFFERENCE TIMES 100 DELT3 *
 * * * *

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	84	178	96	144	94	39	-29	-40	-51	-67	-83	-96	-48	-29	-39	-40	-25	-11	1	-15	47	106	57	50
2	44	89	122	159	136	82	-43	-60	-54	-71	-94	-104	-109	-122	-93	-89	-66	-47	9	15	36	25	61	50
3	129	147	100	139	99	90	-37	-45	-66	-71	-85	-71	-74	-80	-74	-99	-79	-56	11	167	138	90	138	128
4	66	105	134	62	74	-7	-38	-52	-60	-61	-63	-78	-100	-107	-97	-88	-70	-50	11	152	134	364	148	109
5	141	157	248	243	173	29	-53	-60	-75	-89	-122	-127	-130	-119	-109	-88	-68	-56	-34	-19	-2	28	7	48
6	43	66	129	74	37	-12	-37	-41	-56	-69	-71	-81	-98	-102	-100	-81	-101	-75	-49	-47	-47	-46	-45	-48
7	-51	-41	-43	-37	-28	-37	-53	-51	-53	-87	-66	-107	-84	-64	-64	-53	-43	-58	-40	-8	13	-4	87	81
8	49	66	-2	-6	58	8	-40	-58	-56	-57	-72	-65	-72	-72	-74	-70	-58	-47	6	150	80	130	205	202
9	96	167	237	144	69	36	-40	-46	-48	-64	-71	-85	-89	-88	-82	-78	-60	-48	17	215	174	130	182	370
10	147	30	161	76	109	-20	-38	-41	-61	-58	-63	-74	-73	-85	-93	-67	-62	-48	9	183	198	188	182	249
11	135	92	246	107	131	33	-42	-50	-37	-54	-58	-80	-104	-110	-116	-96	-77	-43	32	150	354	397	123	328
12	312	140	171	106	132	89	-45	-42	-60	-76	-108	-123	-125	-129	-108	-94	-69	-38	34	138	250	444	279	257
13	217	291	294	237	193	-1	-41	-44	-64	-79	-117	-123	-126	-123	-113	-98	-71	-35	9	91	90	101	184	434
14	394	188	199	300	201	176	-22	-40	-65	-88	-114	-125	-123	-100	-94	-69	-62	-24	8	14	12	53	78	85
15	39	26	42	60	32	10	-14	-41	-74	-112	-111	-118	-126	-124	-102	-76	-63	-64	-44	-38	-38	-35	-31	-23
16	-21	-19	-19	-20	-20	-35	-54	-64	-68	-79	-105	-84	-73	-93	-97	-101	-96	-69	-45	-32	-16	-8	42	166
17	72	4	60	51	37	10	-45	-54	-54	-63	-78	-99	-97	-113	-113	-100	-82	-63	-24	96	256	141	175	150
18	171	218	220	58	65	14	-37	-40	-49	-64	-63	-94	-118	-124	-127	-109	-84	-51	-13	16	73	148	47	83
19	364	253	241	230	265	127	41	-46	-62	-73	-91	-107	-124	-131	-126	-104	-84	-53	1	128	343	542	392	214
20	261	248	200	351	372	225	43	-46	-66	-84	-97	-123	-128	-125	-110	-90	-78	-51	-26	0	52	60	18	13
21	8	5	33	88	59	-2	-49	-67	-73	-73	-81	-90	-85	-84	-93	-94	-77	-56	24	111	222	299	223	380
22	246	328	510	456	262	203	0	-50	-56	-67	-70	-84	-82	-94	-84	-83	-64	-51	-19	173	233	223	368	244
23	268	211	394	236	310	167	66	-49	-56	-85	-102	-102	-108	-113	-92	-90	-81	-54	43	210	191	313	211	246
24	226	314	350	427	525	262	-24	-50	-99	-111	-110	-106	-103	-122	-96	-96	-87	-54	80	301	292	385	269	200
25	188	170	188	268	250	181	9	-51	-52	-70	-91	-93	-104	-104	-102	-58	-44	-21	27	82	181	154	327	314
26	300	349	390	255	360	156	-10	-49	-21	-72	-78	-103	-90	-98	-66	-55	-48	-18	22	103	118	25	48	125
27	159	273	171	226	412	40	-14	-49	-65	-54	-84	-101	-120	-117	-118	-104	-79	-52	59	118	129	230	200	107
28	108	179	148	126	268	235	55	-50	-63	-56	-69	-98	-118	-124	-109	-100	-82	-37	73	71	-17	-20	27	11
29	-2	25	79	113	67	35	-42	-54	-64	-63	-94	-102	-127	-135	-123	-133	-93	-58	-34	-30	-33	-28	-28	-17
30	-19	48	100	44	131	43	-45	-45	-58	-69	-78	-87	-101	-102	-111	-93	-73	-52	-9	106	-16	-11	-1	-1

 * PERCENT VALID HOURS FOR JUNE, 1995 720*100/ 720=100.0% *
 * * * *

* THREE HIGHEST VALUES FOR JUNE, 1995 XXXX(DD,HH) = 542(19,21) 525(24, 4) 510(22, 2) (FIRST OCCURRENCE IN MONTH) *

 ** SPILL TEST FACILITY TEMPERATURE DIFFERENCE, 2.0 M TO 16.0 M (DEG C) **
 ** TEMPERATURE DIFFERENCE TIMES 100 **
 ** DELT3 **

	HOUR																							
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	12	1	39	86	20	45	-37	-46	-58	-51	-78	-85	-93	-109	-93	-90	-78	-54	-8	139	78	-8	31	127
2	111	63	41	161	245	110	-24	-43	-61	-70	-79	-88	-108	-117	-108	-107	-86	-56	-31	83	131	108	36	44
3	5	114	182	245	211	103	-31	-51	-63	-81	-105	-116	-122	-127	-125	-106	-80	-52	-15	24	94	119	178	266
4	219	272	328	338	241	97	4	-55	-63	-74	-92	-103	-81	-75	-94	-83	-59	-55	7	176	133	305	180	346
5	158	223	150	180	101	33	-39	-45	-52	-55	-72	-103	-115	-115	-120	-100	-77	-49	8	113	274	396	357	230
6	266	158	181	158	191	131	27	-44	-53	-98	-122	-128	-134	-130	-119	-100	-76	-46	-1	92	131	219	452	350
7	304	322	216	312	300	45	-24	-48	-51	-55	-100	-132	-108	-117	-114	-103	-60	-17	96	209	269	314	281	335
8	288	180	273	188	97	114	-11	-62	-47	-49	-67	-79	-116	-79	-96	-106	-60	-55	26	90	51	131	223	161
9	202	103	157	191	121	121	-29	-44	-49	-78	-117	-130	-133	-124	-122	-106	-80	-49	3	65	76	177	192	116
10	135	236	177	207	148	42	1	-16	-16	-47	-65	-96	-117	-91	-80	-60	-49	-35	-7	58	146	325	418	422
11	206	196	76	116	193	162	33	-47	-63	-99	-118	-124	-128	-129	-119	-95	-76	-48	-13	29	72	82	88	86
12	70	69	246	496	331	215	-8	-57	-82	-105	-111	-124	-134	-126	-115	-97	-73	-43	10	157	79	214	150	293
13	205	215	322	187	399	242	43	-44	-56	-63	-73	-85	-95	-115	-84	-78	-69	-48	50	251	139	274	312	286
14	368	271	153	158	363	96	-27	-39	-53	-58	-81	-85	-92	-94	-92	-82	-68	-46	35	224	204	322	143	304
15	406	156	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
16	****	170	273	207	212	147	-26	-50	-64	-78	-78	-74	-72	-104	-101	-93	-75	-54	-41	-22	-22	-26	-32	-29
17	-22	34	34	52	68	24	-30	-34	-43	-52	-57	-61	-72	-80	-83	-80	-72	-61	-22	111	57	7	124	292
18	111	59	117	226	148	96	-37	-42	-50	-53	-74	-99	-99	-108	-111	-108	-81	-53	-5	111	168	122	285	120
19	320	196	152	155	164	137	3	-40	-62	-105	-117	-132	-138	-131	-120	-103	-89	-58	-6	108	107	233	318	218
20	223	277	168	133	110	98	-25	-42	-59	-67	-93	-102	-111	-128	-124	-107	-81	-49	15	173	221	521	463	330
21	400	452	304	163	266	53	-25	-43	-71	-70	-79	-91	-97	-104	-104	-95	-84	-51	4	84	23	533	285	312
22	182	132	331	387	276	226	-18	-56	-54	-66	-81	-104	-112	-123	-119	-99	-78	-54	30	192	160	308	239	399
23	219	302	383	287	414	252	85	-50	-59	-63	-68	-80	-103	-117	-108	-92	-71	-49	56	252	188	222	388	407
24	338	165	184	240	217	112	-18	-46	-56	-70	-86	-113	-115	-120	-117	-103	-79	-41	48	320	260	443	344	309
25	278	493	276	202	261	182	42	-37	-44	-58	-84	-128	-136	-130	-111	-95	-72	-33	33	199	327	388	226	214
26	480	327	181	217	263	133	-22	-56	-61	-76	-105	-123	-125	-122	-110	-102	-74	-41	25	160	76	409	521	438
27	230	235	363	215	297	179	-23	-54	-61	-73	-101	-117	-126	-121	-110	-99	-73	-42	56	266	156	309	442	223
28	402	373	278	183	162	119	6	-46	-52	-78	-85	-102	-114	-111	-106	-102	-78	-43	50	236	269	219	253	163
29	372	361	273	271	202	283	28	-41	-55	-67	-99	-132	-129	-126	-118	-97	-71	-38	23	147	278	147	142	308
30	205	192	273	361	119	225	-16	-37	-60	-67	-84	-117	-120	-118	-113	-97	-73	-52	31	173	213	173	81	72
31	73	31	40	27	31	56	-14	-65	-69	-78	-81	-85	-88	-82	-82	-97	-77	-47	62	210	223	172	200	401

 ** PERCENT VALID HOURS FOR JULY, 1995 721*100/ 744= 96.9% **
 **
 ** THREE HIGHEST VALUES FOR JULY, 1995 XXXX(DD,HH) = 533(21,21) 521(20,21) 521(26,22) (FIRST OCCURRENCE IN MONTH) **

 ** SPILL TEST FACILITY TEMPERATURE DIFFERENCE, 2.0 M TO 16.0 M (DEG C) AUG, 1995 *
 ** TEMPERATURE DIFFERENCE TIMES 100 DELT3 *
 **

	HOUR																								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
DAY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
1	*	187	327	97	222	189	99	4	-52	-51	-55	-63	-74	-90	-111	-74	-78	-68	-46	89	256	166	167	118	174
2	*	272	126	174	235	210	118	16	-47	-46	-69	-70	-77	-116	-115	-114	-96	-79	-46	72	299	138	231	260	215
3	*	159	243	154	158	201	188	19	-51	-60	-63	-95	-130	-130	-132	-120	-103	-79	-44	35	182	159	259	324	324
4	*	94	165	367	206	260	170	-14	-53	-58	-72	-93	-128	-133	-136	-120	-107	-80	-47	58	212	194	368	332	251
5	*	214	132	278	293	118	83	9	-48	-54	-73	-71	-98	-130	-139	-125	-106	-79	-41	23	200	360	565	589	342
6	*	222	214	492	215	349	259	20	-38	-55	-72	-116	-133	-133	-120	-105	-97	-74	-37	77	228	233	170	160	239
7	*	506	234	372	500	203	168	150	-18	-80	-91	-112	-124	-115	-122	-118	-106	-77	-45	-9	10	33	40	84	164
8	*	171	201	298	175	206	157	60	-46	-52	-75	-77	-78	-95	-117	-118	-104	-80	-48	49	237	196	161	187	400
9	*	388	166	228	173	124	115	-27	-49	-46	153	****	****	****	****	-48	63	36	-91	-221	-270	-222	-139	-51	-45
10	*	-166	-355	-136	-148	-118	-198	-18	-25	-46	-56	-63	-126	-108	-74	-82	-99	-74	-37	17	98	78	110	134	239
11	*	201	226	137	352	301	359	58	-32	-80	-109	-125	-142	-136	-125	-120	-105	-83	-44	32	157	146	344	303	392
12	*	247	305	277	240	208	151	118	-22	-43	-68	-76	-142	-149	-132	-126	-116	-97	-59	1	24	54	147	118	122
13	*	340	277	163	171	310	303	24	-47	-57	-78	-92	-102	-125	-132	-116	-106	-83	-39	119	369	297	248	281	136
14	*	222	209	119	210	214	207	-31	-41	-51	-69	-71	-110	-133	-134	-121	-106	-76	-26	173	217	369	267	511	537
15	*	368	390	265	139	197	208	-16	-41	-58	-89	-135	-149	-152	-147	-134	-114	-81	-42	28	132	145	100	153	487
16	*	392	255	316	291	378	464	174	-33	-71	-107	-132	-149	-151	-139	-127	-106	-73	-31	25	92	115	412	169	233
17	*	253	219	326	329	373	276	76	-34	-61	-117	-138	-140	-154	-142	-126	-106	-81	-41	4	60	82	59	135	324
18	*	224	338	283	240	197	397	44	-46	-66	-68	-73	-85	-87	-95	-87	-72	-65	-39	62	184	278	244	179	279
19	*	322	193	182	193	236	230	34	-33	-42	-53	-70	-79	-91	-119	-90	-93	-79	-52	3	49	104	220	161	84
20	*	67	1	14	-2	-21	-27	-31	-37	-41	-43	-165	-137	-56	-49	-55	-57	-53	-38	-15	24	46	41	19	45
21	*	59	61	-3	12	42	29	-20	-37	-41	-56	-58	-66	-72	-71	-63	-52	-58	-41	7	6	21	4	26	60
22	*	14	86	117	140	159	134	2	-39	-38	-55	-74	-97	-94	-89	-119	-87	-74	-47	-36	-5	72	87	29	56
23	*	11	116	94	35	4	31	11	-53	-87	-63	-78	-108	-110	-115	-113	-86	-50	-35	44	114	167	323	220	146
24	*	205	336	206	186	244	273	31	-44	-59	-97	-117	-123	-129	-123	-118	-96	-68	-26	57	89	259	326	288	193
25	*	181	200	279	336	232	255	35	-30	-50	-94	-119	-125	-125	-123	-111	-91	-55	7	221	266	498	299	504	281
26	*	338	257	226	193	254	178	-11	-34	-48	-64	-76	-121	-129	-126	-113	-86	-56	-6	155	389	387	212	201	423
27	*	336	208	259	228	275	269	173	-26	-42	-82	-107	-125	-111	-122	-114	-92	-63	-22	66	188	460	589	485	444
28	*	350	289	428	388	236	284	20	-45	-55	-86	-119	-126	-128	-131	-110	-90	-64	-21	34	125	68	82	235	296
29	*	276	361	215	275	194	216	38	-45	-55	-68	-107	-121	-129	-121	-110	-90	-63	-16	154	254	298	237	259	312
30	*	315	266	212	207	236	173	30	-43	-59	-64	-87	-108	-123	-118	-110	-86	-63	3	196	207	345	216	449	437
31	*	184	215	290	233	308	179	47	-39	-52	-52	-58	-91	-107	-120	-114	-94	-69	-20	54	118	276	231	148	285

 ** PERCENT VALID HOURS FOR AUG, 1995 740*100/ 744= 99.5% *
 **

●
 * THREE HIGHEST VALUES FOR AUG, 1995 XXXX(DD,HH) = 589(5,22) 589(27,21) 565(5,21) (FIRST OCCURRENCE IN MONTH)
 *

[illegible]

★	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	★
DAY	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★
1	200	108	151	161	212	162	51	-39	-54	-58	-61	-66	-64	-87	-98	-81	-80	-45	-2	11	85	175	133	95	★
2	186	134	256	209	131	117	86	-45	-55	-59	-64	-83	-86	-75	-101	-77	-46	-17	69	81	126	197	223	216	★
3	114	244	277	170	168	133	-7	-47	-68	-76	-70	-87	-89	-73	-91	-88	-80	-52	29	104	151	256	64	40	★
4	48	77	77	59	75	121	-19	-50	-57	-100	-125	-132	-132	-129	-118	-97	-69	-19	67	101	247	250	128	236	★
5	174	250	285	152	159	257	61	-30	-56	-68	-90	-119	-126	-121	-105	-89	-59	11	230	267	194	195	162	246	★
6	248	185	301	175	188	193	62	-41	-53	-54	-74	-101	-129	-124	-113	-91	-66	-12	99	161	-1	-17	-14	-2	★
7	70	67	122	85	110	60	4	-44	-64	-79	-115	-127	-126	-118	-106	-82	-47	2	103	195	535	479	311	135	★
8	105	202	260	425	358	189	70	-27	-55	-71	-93	-116	-120	-118	-107	-88	-57	17	150	234	562	255	181	295	★
9	407	236	320	217	207	238	96	-20	-54	-59	-71	-90	-99	-110	-108	-91	-52	-2	116	306	426	224	194	270	★
10	206	313	317	295	336	236	59	-30	-41	-66	-57	-80	-117	-110	-108	-90	-46	21	202	335	333	462	479	298	★
11	311	297	133	248	307	236	50	-27	-46	-55	-53	-67	-85	-100	-92	-80	-47	83	319	235	252	260	456	420	★
12	199	238	191	302	181	294	177	-29	-37	-54	-60	-52	-76	-67	-69	-66	-52	29	216	285	361	383	522	345	★
13	286	285	338	250	326	272	132	-52	-41	-48	-64	-65	-77	-81	-71	-68	-46	16	292	378	195	330	391	195	★
14	347	222	185	219	276	182	124	-24	-48	-64	-69	-60	-77	-95	-88	-70	-52	67	367	423	498	405	235	283	★
15	256	272	245	306	263	256	97	-10	-49	-53	-73	-66	-85	-82	-71	-69	-48	55	102	167	342	242	271	483	★
16	353	236	362	163	261	207	98	-37	-49	-61	-77	-109	-122	-119	-106	-81	-48	10	125	58	64	84	272	243	★
17	311	397	266	395	364	195	252	20	-46	-97	-110	-110	-112	-107	-97	-84	-48	42	188	247	330	407	484	350	★
18	330	416	355	321	275	330	182	40	-50	-67	-80	-78	-88	-94	-97	-68	-36	39	252	227	308	284	299	319	★
19	427	307	237	225	347	239	139	-20	-45	-56	-69	-79	-105	-93	-87	-76	-48	432	224	192	230	282	190	356	★
20	385																								

```
*****
* PERCENT VALID HOURS FOR SEPT, 1995      604*100/ 720= 83.9%
*
*
* THREE HIGHEST VALUES FOR SEPT, 1995 XXXX(DD,HH) =  580(27,20)   562( 8,20)   535( 7,20)   (FIRST OCCURRENCE IN MONTH)
*****
```

 * SPILL TEST FACILITY TEMPERATURE DIFFERENCE, 2.0 M TO 16.0 M (DEG C) OCT, 1995 *
 * TEMPERATURE DIFFERENCE TIMES 100 DELT3 *
 * * *

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
2	119	406	343	348	302	336	204	129	113	104	115	112	115	122	137	150	192	328	435	421	471	563	480	419
3	435	293	402	425	329	325	213	91	82	96	116	108	95	112	128	159	206	285	272	397	559	457	445	329
4	229	208	193	222	187	163	136	108	74	56	35	43	49	55	79	105	150	232	334	327	366	210	185	315
5	200	212	189	184	184	175	137	98	73	63	33	49	73	77	98	104	128	316	348	396	607	448	405	415
6	280	369	284	366	274	323	183	95	87	88	92	104	96	116	111	127	167	268	422	333	595	352	328	386
7	271	288	299	444	342	291	218	127	68	83	96	102	98	97	109	128	182	310	518	519	308	428	396	434
8	376	411	388	340	277	245	328	135	78	99	107	116	113	100	109	135	193	367	388	534	538	477	581	341
9	517	338	486	286	428	359	282	74	70	89	98	105	112	106	121	139	194	303	345	531	391	527	461	461
10	310	333	381	424	422	400	253	156	75	81	96	117	128	128	127	145	228	462	482	528	351	422	424	440
11	343	342	330	315	409	324	273	92	72	77	81	89	83	90	127	156	196	301	441	491	344	442	409	442
12	484	556	462	434	440	402	379	191	80	95	99	94	95	108	115	140	228	340	395	391	361	299	287	270
13	222	208	212	194	181	157	155	110	84	67	61	68	68	70	85	107	190	276	309	543	517	511	739	661
14	622	349	521	478	492	451	437	160	84	81	88	90	101	110	121	140	191	330	584	494	567	386	389	442
15	331	334	416	375	209	286	319	70	69	91	88	95	101	104	109	138	188	367	358	466	372	464	307	458
16	412	396	404	384	262	405	227	127	70	72	69	92	96	104	110	123	181	406	386	417	536	519	527	407
17	367	496	370	484	313	308	266	169	65	71	86	88	110	102	116	129	217	477	417	729	417	460	383	415
18	434	319	379	238	344	297	246	132	62	66	82	84	85	84	99	131	218	423	643	409	484	490	500	436
19	407	586	674	397	458	735	624	360	90	83	78	86	60	67	91	101	174	418	390	398	444	442	387	412
20	344	423	374	362	342	296	340	149	58	64	72	88	83	88	93	125	220	428	459	377	412	504	328	223
21	300	367	298	330	338	362	222	85	54	46	59	70	54	58	77	109	180	180	285	434	305	160	141	128
22	114	116	112	114	145	129	153	71	38	16	13	6	13	25	46	74	112	191	320	219	207	185	143	214
23	159	154	157	181	238	237	161	96	40	32	17	14	16	30	35	64	104	233	307	437	258	288	304	367
24	319	240	291	299	309	265	215	142	33	51	40	47	47	47	54	85	154	301	324	471	394	411	458	313
25	302	256	429	334	310	342	234	83	8	-39	39	54	56	54	61	88	187	376	402	302	494	448	416	436
26	311	372	228	300	276	238	203	110	40	36	44	43	62	66	81	104	150	165	194	252	340	405	433	263
27	433	496	296	639	368	292	392	125	94	80	47	55	62	67	84	115	272	391	405	521	401	383	405	290
28	287	286	303	259	235	268	145	84	46	60	65	55	69	74	90	156	258	248	383	289	257	257	241	238
29	260	258	249	167	264	264	203	220	119	80	57	65	62	58	61	70	134	211	218	143	180	132	158	162
30	195	165	193	220	251	264	236	39	36	29	25	39	28	32	45	75	164	294	257	414	494	369	432	330
31	364	317	465	371	425	289	286	87	47	42	34	43	26	33	44	74	100	177	365	289	231	300	227	314

 * PERCENT VALID HOURS FOR OCT, 1995 720*100/ 744= 96.8% *
 * * *

* THREE HIGHEST VALUES FOR OCT, 1995 XXXX(DD,HH) = 739(13,22) 735(19, 5) 729(17,19) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY TEMPERATURE DIFFERENCE, 2.0 M TO 16.0 M (DEG C) *
 * TEMPERATURE DIFFERENCE TIMES 100 *
 * DEC, 1995 *
 * DELT3 *

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
2	****	251	273	334	243	238	289	162	-36	-35	-31	-23	-34	-48	5	146	235	308	330	375	341	486	337	324
3	325	328	314	393	246	250	220	142	24	-39	-45	-36	-26	-36	16	49	205	297	295	245	299	393	222	234
4	241	240	259	161	266	275	301	83	53	-28	-36	-41	-46	-48	41	32	106	239	227	306	393	364	332	266
5	335	305	300	291	218	261	268	168	-16	-19	-56	-63	-63	-59	-32	17	214	152	294	408	513	333	450	356
6	341	337	245	355	190	221	258	148	-1	-22	-46	-52	-38	-44	-36	23	267	399	387	323	293	284	238	280
7	261	139	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
8	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
9	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
10	****	357	294	303	263	269	206	247	19	-36	-30	-39	-60	-10	-36	28	201	381	423	155	251	313	292	220
11	191	171	127	204	183	191	229	126	1	-36	-37	-52	-41	-28	16	102	105	157	208	203	107	273	291	258
12	303	188	121	118	237	68	42	49	7	-6	-13	-14	-33	-32	-24	-15	-12	-12	-14	-14	-15	-11	-13	-3
13	-2	5	24	13	19	25	25	56	42	-50	-75	-84	-93	-56	-18	3	20	47	56	31	1	-11	22	1
14	-5	-9	5	21	50	47	76	63	14	-44	-52	-61	-69	-62	-52	-29	114	157	203	159	183	199	355	234
15	149	171	87	96	140	101	117	103	5	-40	-40	-50	-56	-44	-38	20	66	81	199	372	275	170	227	171
16	120	136	98	98	29	12	17	-16	-19	-34	-9	-60	-77	-66	-38	-40	-8	11	17	16	18	54	59	86
17	70	53	63	44	33	60	38	-10	-19	-57	-71	-74	-75	-73	-57	-20	96	132	100	123	132	231	294	269
18	355	397	206	331	196	356	312	192	-7	-33	-51	-44	-44	-47	-46	-28	61	278	368	157	306	221	75	86
19	75	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
20	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	205	93	52	102	109	152	103	11	-26	-50	-46	-44	-43	-35	-30	-20	-14	-12	49	102	215	236	363
24	339	198	261	217	321	277	209	330	95	-42	-34	-36	-47	-50	-57	-20	81	141	287	227	201	334	221	272
25	291	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
27	****	438	339	404	425	270	298	160	9	-14	-53	-54	-60	-43	-33	60	194	149	234	391	399	389	350	252
28	195	299	226	335	254	246	204	286	68	-51	-45	-57	-55	-54	-39	-15	112	139	160	318	262	459	517	430
29	345	288	357	231	204	284	220	206	60	-26	-40	-34	-42	-44	-36	-8	71	71	71	146	210	281	350	214
30	145	231	224	258	128	166	70	93	4	-47	-42	-48	-69	-58	-37	-1	25	40	83	185	182	227	175	246
31	201	271	308	297	229	271	369	258	273	16	-31	-48	-49	-43	-19	-8	19	32	54	149	120	73	51	38

 * PERCENT VALID HOURS FOR DEC, 1995 504*100/ 744= 67.7% *
 *
 * THREE HIGHEST VALUES FOR DEC, 1995 XXXX(DD,HH) = 517(28,22) 513(5,20) 486(2,21) (FIRST OCCURRENCE IN MONTH) *

```
*****
* SPILL TEST FACILITY YAMARTINO SIGMA THETA 8 M STABILITY CLASS          JAN, 1995
* LEAST SIGNIFICANT DIGIT = 1.000                                         STBSIG8
*****
```

		HOUR																							
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																									
1		6	4	6	4	4	4	4	6	4	4	4	2	3	3	4	4	4	4	6	6	5	5	6	6
2		6	6	6	6	6	6	6	6	6	3	1	1	1	1	4	4	1	6	6	6	6	6	6	6
3		6	6	6	4	6	6	6	6	5	1	1	1	1	1	1	3	1	5	5	4	5	4	4	6
4		5	6	6	6	5	6	5	6	4	4	1	1	3	4	4	2	4	4	4	4	5	4	5	5
5		4	6	6	6	5	5	5	4	6	4	2	1	1	4	4	4	3	5	5	6	6	6	6	6
6		6	6	6	4	4	6	6	6	5	4	4	2	1	1	1	3	4	6	6	6	6	6	6	6
7		6	5	6	4	5	4	6	6	4	4	2	1	3	1	4	1	1	6	6	4	5	6	5	4
8		6	6	5	6	6	4	6	4	5	1	1	3	4	4	1	4	4	5	6	6	4	5	4	4
9		4	5	6	4	6	5	6	4	4	4	2	2	1	2	3	4	2	6	6	4	6	6	6	6
10		6	6	6	6	6	6	6	6	6	1	1	1	1	1	1	4	1	4	6	4	4	4	4	4
11		4	4	4	4	6	5	6	4	6	1	1	4	4	4	4	4	4	4	5	6	6	6	6	6
12		6	5	5	6	5	6	6	6	6	2	1	1	1	2	1	4	3	6	4	6	6	4	6	5
13		6	6	5	6	4	6	6	6	6	4	1	2	1	1	1	3	3	4	4	5	6	4	5	4
14		4	5	6	4	6	4	5	6	6	3	1	1	2	1	1	4	2	6	5	6	4	4	4	4
15		4	4	4	4	4	4	4	4	4	4	4	4	4	3	1	3	4	4	6	4	5	6	6	6
16		6	6	6	6	6	5	5	6	6	1	3	1	1	1	3	4	2	4	4	4	4	6	6	5
17		5	5	6	4	6	6	6	5	4	4	1	3	1	1	1	1	3	5	6	6	6	6	6	6
18		6	6	5	5	6	5	4	5	6	1	3	1	1	1	1	1	4	6	6	6	4	6	6	6
19		5	6	6	6	6	6	5	6	6	1	2	1	1	1	3	1	3	4	6	6	6	6	6	6
20		5	6	6	6	6	6	6	6	6	3	3	1	2	1	1	4	1	5	6	6	6	6	6	6
21		5	6	6	6	6	4	5	6	5	4	1	1	1	4	4	3	4	5	4	6	6	6	6	6
22		6	5	6	4	5	6	4	6	4	2	2	1	1	1	3	3	4	5	5	6	6	5	4	6
23		6	6	5	6	6	6	5	4	6	3	2	1	4	3	1	1	4	4	6	4	6	4	4	5
24		4	5	4	6	5	4	4	5	4	1	1	1	4	4	4	4	4	4	5	6	6	4		

```
*****
* PERCENT VALID HOURS FOR  JAN, 1995      744*100/ 744=100.0%
*
*
* THREE HIGHEST VALUES FOR  JAN, 1995 XXXX(DD,HH) =    6( 1, 0)      6( 1, 2)      6( 1, 7)      (FIRST OCCURRENCE IN MONTH)
*****
```

 * SPILL TEST FACILITY YAMARTINO SIGMA THETA 8 M STABILITY CLASS FEB, 1995 *
 * LEAST SIGNIFICANT DIGIT = 1.000 STBSIG8 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	6	6	6	6	6	6	6	6	6	1	1	1	1	1	1	4	1	6	6	6	6	4	6	6
2	6	6	6	6	5	6	6	6	6	1	4	3	3	1	1	2	3	4	6	6	5	6	6	6
3	6	6	6	6	6	6	4	5	4	3	1	2	1	2	4	4	4	6	4	6	6	6	6	6
4	6	6	6	6	6	6	6	6	5	2	1	1	1	1	1	3	3	6	6	6	6	6	6	6
5	6	6	6	6	6	6	6	6	5	1	2	1	1	3	2	3	4	4	4	5	5	6	6	6
6	6	6	6	6	6	5	4	6	6	1	1	1	1	2	1	1	2	4	4	5	6	6	6	6
7	6	6	6	6	6	6	6	6	6	1	1	1	1	1	1	2	2	4	5	6	6	4	6	6
8	6	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	4	6	5	6	6	6
9	6	6	6	6	5	6	6	6	5	3	2	2	1	1	1	2	3	6	6	6	6	6	6	6
10	6	5	6	6	6	6	6	6	6	2	2	1	3	3	3	2	3	4	5	6	6	6	6	6
11	6	6	6	6	6	6	6	6	6	1	3	1	4	4	4	4	4	4	5	6	6	6	6	6
12	6	6	6	6	6	6	6	6	6	1	1	1	3	4	4	4	4	4	6	6	6	6	6	6
13	6	6	6	6	6	6	6	6	6	1	1	4	4	4	4	4	4	4	4	4	4	4	4	4
14	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	1	6	4	4	4	4	4	6
15	6	6	6	6	6	6	6	6	6	1	1	1	1	1	1	1	2	4	6	6	6	6	6	5
16	6	6	6	6	6	6	6	6	5	3	2	1	1	1	1	1	2	5	5	6	6	5	6	6
17	6	6	6	6	6	6	6	5	5	1	1	1	1	1	1	1	3	6	4	6	5	6	6	6
18	6	6	6	6	6	6	6	6	6	2	3	1	1	1	3	2	4	6	6	4	4	6	6	4
19	6	6	6	6	6	6	6	6	6	1	3	3	1	4	4	4	4	5	5	6	5	6	6	6
20	5	6	6	6	6	6	6	6	6	1	1	1	1	1	1	1	4	4	6	6	6	6	6	6
21	6	6	6	6	6	6	6	6	6	1	1	1	1	2	4	4	4	5	6	6	6	6	6	4
22	6	6	6	6	6	6	6	6	6	1	1	2	2	2	2	3	4	5	6	6	6	6	6	6
23	6	6	6	6	6	6	6	6	6	1	4	1	1	1	1	1	1	6	5	6	6	6	5	6
24	6	6	6	6	6	6	6	6	6	1	1	1	2	1	1	1	3	5	5	6	6	5	6	6
25	5	6	6	6	6	6	6	6	6	4	1	2	2	3	3	2	3	4	4	5	5	6	6	6
26	6	6	6	6	4	6	6	5	6	1	1	1	1	1	2	4	4	5	6	6	5	5	6	6
27	6	6	6	6	6	6	6	6	6	2	1	4	1	4	4	4	4	4	4	4	4	4	6	5
28	6	5	6	5	6	4	6	4	6	1	1	1	1	1	1	1	2	6	5	5	6	4	6	5

 * PERCENT VALID HOURS FOR FEB, 1995 672*100/ 672=100.0% *
 *
 * THREE HIGHEST VALUES FOR FEB, 1995 XXXX(DD,HH) = 6(1, 0) 6(1, 1) 6(1, 2) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY YAMARTINO SIGMA THETA 8 M STABILITY CLASS MAR, 1995 *
 * LEAST SIGNIFICANT DIGIT = 1.000 STBSIG8 *
 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	6	5	4	5	6	4	6	4	3	1	1	2	4	4	4	4	4	4	5	6	4	6	6	6
2	5	6	6	6	5	6	5	6	1	2	1	1	2	4	4	4	4	4	6	6	6	6	6	6
3	6	6	6	4	6	5	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	4
4	4	4	6	6	6	6	6	5	3	1	1	1	1	1	3	4	4	4	6	6	6	6	4	6
5	6	4	4	4	4	4	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	6	6	6
6	6	4	4	4	4	4	4	4	4	4	4	1	1	1	1	1	1	3	6	4	6	6	6	6
7	6	6	6	6	6	6	6	6	2	1	1	1	1	1	1	3	4	4	4	6	5	5	6	6
8	6	6	6	5	6	6	6	6	1	1	3	1	1	3	4	4	4	3	6	6	6	6	6	6
9	6	6	6	6	6	6	6	6	2	1	1	1	1	3	4	4	4	4	4	4	4	4	4	4
10	4	6	6	4	5	6	6	4	1	3	1	1	2	1	1	1	2	3	4	4	4	4	4	4
11	4	4	5	6	6	4	6	4	1	4	4	4	4	4	4	4	4	4	4	4	4	6	6	6
12	6	6	5	4	6	6	5	6	3	2	1	1	1	3	4	3	4	4	5	4	6	6	6	6
13	4	6	6	6	6	6	6	6	1	1	2	1	1	1	1	1	1	1	6	6	5	5	5	6
14	6	6	6	6	6	6	6	6	3	2	1	1	1	1	1	1	1	4	4	4	6	6	6	5
15	6	6	6	4	5	6	6	4	3	1	1	1	1	1	1	1	4	4	4	5	6	6	6	6
16	6	6	6	6	6	4	6	6	1	1	1	1	1	1	1	1	3	2	6	6	6	6	6	6
17	6	6	6	5	6	6	5	4	4	2	1	1	1	1	1	1	4	4	5	6	6	6	6	5
18	6	5	6	6	6	6	6	6	2	1	1	1	1	1	4	4	4	4	4	6	5	6	6	6
19	6	6	6	6	6	6	6	6	1	1	2	1	1	1	1	2	4	4	4	4	6	6	6	6
20	6	6	6	6	6	4	6	4	1	1	2	1	4	4	4	4	4	4	4	4	4	4	4	4
21	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5
22	6	6	4	4	6	6	6	6	1	1	1	2	4	4	4	4	4	4	4	5	6	6	6	6
23	6	6	6	5	6	6	6	6	1	4	4	4	4	4	3	4	4	4	4	5	6	6	5	4
24	5	5	5	5	4	6	4	6	1	1	1	1	1	2	4	4	4	4	6	6	4	6	6	6
25	6	6	6	6	6	6	6	6	2	4	4	4	3	3	2	2	3	4	6	6	6	6	4	6
26	6	6	5	5	5	5	6	4	4	3	1	1	1	1	1	1	1	3	5	5	6	6	6	6
27	6	5	6	6	6	6	6	6	4	4	4	4	4	4	4	4	4	4	5	5	4	6	6	5
28	5	6	6	6	4	6	6	6	4	3	3	3	3	3	3	3	4	4	4	5	6	6	5	5
29	5	6	6	6	4	6	6	6	1	1	1	1	1	1	1	2	2	3	5	4	5	5	5	4
30	6	6	6	6	6	6	4	4	4	4	3	2	2	2	2	1	2	4	6	4	6	6	6	5
31	5	6	6	6	6	6	6	6	1	1	1	1	1	1	1	1	1	4	4	5	6	6	6	6

 * PERCENT VALID HOURS FOR MAR, 1995 744*100/ 744=100.0% *
 *
 * THREE HIGHEST VALUES FOR MAR, 1995 XXXX(DD,HH) = 6(1, 0) 6(1, 4) 6(1, 6) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY YAMARTINO SIGMA THETA 8 M STABILITY CLASS APR, 1995 *
 * LEAST SIGNIFICANT DIGIT = 1.000 STBSIG8 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	6	6	6	6	6	6	6	1	1	1	1	3	3	4	4	4	4	4	4	5	5	4	4	5
2	6	6	6	6	6	6	6	3	4	4	4	4	4	4	4	4	4	4	5	4	6	4	5	4
3	4	6	5	4	4	4	6	1	1	2	1	1	1	1	1	2	1	3	5	6	6	6	6	6
4	6	6	6	6	6	6	6	1	1	1	1	1	1	2	3	3	4	4	4	6	5	6	6	6
5	6	5	6	6	6	6	6	1	1	1	1	1	2	3	4	4	4	4	6	6	6	6	6	6
6	6	6	6	6	6	6	6	1	2	1	3	4	4	4	4	4	4	4	6	6	6	6	6	6
7	6	6	6	6	6	6	6	1	2	1	1	2	2	4	4	4	4	4	6	6	4	4	4	4
8	4	4	4	4	6	6	6	3	2	1	1	2	3	4	4	4	4	4	4	5	4	4	4	4
9	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10	4	4	4	5	4	4	4	4	3	3	3	2	3	3	3	3	4	4	6	4	6	6	6	5
11	6	5	6	6	6	6	6	1	1	1	1	1	1	1	1	1	1	1	5	5	6	6	6	5
12	6	5	6	6	5	6	5	1	1	1	1	1	2	4	4	4	4	4	5	4	6	6	6	6
13	6	6	6	4	5	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14	4	6	4	6	6	6	6	1	1	2	2	1	1	1	1	1	1	3	5	5	6	6	6	6
15	6	6	6	5	6	6	5	1	3	1	1	2	3	4	3	3	3	4	4	4	4	4	4	4
16	4	4	5	6	5	4	4	4	4	4	4	4	3	2	4	4	4	2	4	5	4	5	5	6
17	5	6	6	6	6	6	6	2	1	3	2	2	1	3	4	4	4	4	4	4	4	4	4	5
18	4	4	4	5	4	6	4	4	4	4	4	4	4	2	4	4	4	1	4	5	4	5	6	5
19	4	6	4	6	4	5	5	2	1	1	1	2	2	2	2	3	3	2	5	5	6	6	6	6
20	6	6	6	6	6	6	4	4	4	4	4	3	3	3	4	4	4	4	4	4	4	4	5	6
21	6	6	6	5	6	6	6	1	2	4	4	4	4	4	4	4	4	4	4	4	4	4	5	6
22	6	6	6	5	6	6	4	4	3	3	2	3	3	3	3	3	3	4	4	6	6	6	6	6
23	6	6	4	6	6	6	6	4	1	3	3	3	2	1	1	1	1	1	5	6	6	5	6	6
24	6	6	5	6	6	6	6	2	1	1	1	1	1	1	2	3	4	4	4	6	6	6	6	6
25	6	4	6	6	6	6	6	1	1	1	1	3	4	4	4	4	4	4	4	6	6	6	6	6
26	6	4	5	6	6	4	5	4	1	1	1	1	1	1	1	3	4	3	4	6	6	4	5	6
27	6	6	6	6	6	6	6	1	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28	6	4	6	6	6	6	6	1	1	3	2	3	3	4	4	4	3	4	5	4	6	6	4	6
29	4	6	6	6	4	4	6	1	3	4	4	4	4	4	4	4	4	4	4	4	5	5	5	4
30	5	4	6	6	6	6	6	1	1	1	1	2	1	2	1	1	1	3	5	4	6	6	6	6

 * PERCENT VALID HOURS FOR APR, 1995 720*100/ 720=100.0% *
 *
 * THREE HIGHEST VALUES FOR APR, 1995 XXXX(DD,HH) = 6(1, 0) 6(1, 1) 6(1, 2) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY YAMARTINO SIGMA THETA 8 M STABILITY CLASS MAY, 1995 *
 * LEAST SIGNIFICANT DIGIT = . 1.000 STBSIG8 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	6	6	6	6	6	6	6	1	1	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4
2	4	4	4	6	5	6	6	1	1	2	3	3	2	3	3	3	3	3	4	6	6	6	6	6
3	6	6	6	6	6	4	5	3	1	1	1	1	1	3	3	3	3	4	2	6	5	6	5	6
4	6	6	6	6	6	6	6	1	2	1	4	4	4	4	4	4	4	4	4	4	4	4	4	6
5	6	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4
6	4	4	4	4	6	6	5	4	4	3	3	1	1	1	2	2	3	2	4	4	5	4	6	6
7	5	6	4	6	5	4	4	4	3	3	3	4	3	1	3	4	3	3	3	6	6	6	4	6
8	6	5	8	6	6	6	6	2	1	1	1	1	2	2	1	1	3	4	4	4	6	6	6	6
9	6	6	6	5	6	6	6	1	1	1	1	2	2	3	3	4	4	4	4	5	6	5	6	4
10	6	5	4	6	5	5	6	1	1	1	1	1	2	3	2	2	2	4	4	4	6	6	5	6
11	6	6	6	6	6	6	6	1	1	3	4	4	4	4	4	4	4	4	4	4	4	4	4	6
12	4	4	6	5	6	4	4	3	3	3	2	1	4	4	4	3	3	4	4	5	4	4	4	4
13	4	4	4	4	4	6	6	2	1	3	4	4	4	4	4	4	4	4	4	4	4	4	5	4
14	6	6	6	6	6	5	6	1	1	1	1	1	2	3	4	4	4	4	4	5	4	6	5	4
15	4	4	4	6	6	6	6	1	1	1	1	1	1	1	1	2	2	3	4	5	6	6	6	6
16	6	6	6	6	6	6	4	1	1	1	1	1	2	4	4	4	3	4	4	6	6	6	6	6
17	6	6	6	6	6	6	6	1	1	1	1	1	1	3	2	2	1	3	4	4	6	6	6	6
18	6	6	5	6	6	6	6	1	1	1	2	3	3	3	3	2	3	4	4	5	6	6	5	6
19	6	6	5	6	6	6	6	2	1	1	1	1	1	1	2	2	1	3	4	4	6	4	6	6
20	5	6	6	5	6	6	6	1	1	1	1	2	2	2	3	3	4	4	4	4	6	5	6	6
21	5	6	6	6	6	6	5	1	1	1	1	3	4	4	4	4	4	4	4	4	6	6	6	6
22	6	6	6	5	6	5	5	4	4	2	3	3	3	4	3	4	2	1	4	4	4	6	6	6
23	6	5	4	6	6	5	5	1	1	2	4	3	3	1	2	2	3	4	2	5	4	4	5	6
24	4	6	5	5	6	6	6	2	3	3	4	4	4	2	4	1	3	1	4	5	6	6	5	6
25	4	6	4	6	6	5	6	1	1	1	2	4	1	1	3	3	3	4	4	4	4	4	6	6
26	6	4	6	6	5	5	5	2	2	1	1	1	3	2	4	4	4	4	4	6	6	6	6	6
27	6	4	4	4	6	5	6	1	1	3	1	1	3	2	1	2	3	2	3	4	4	6	6	6
28	6	6	6	6	6	6	6	2	1	1	2	2	2	2	3	3	3	4	4	6	4	6	6	6
29	6	6	6	6	6	6	6	1	1	1	1	1	1	2	1	1	3	4	4	6	6	6	6	6
30	6	6	6	6	6	6	6	1	2	1	1	1	1	2	2	3	4	4	4	5	6	6	6	6
31	6	6	6	6	6	6	5	1	1	1	1	1	3	1	3	4	4	4	4	4	6	5	6	5

 * PERCENT VALID HOURS FOR MAY, 1995 744*100/ 744=100.0% *
 *
 * THREE HIGHEST VALUES FOR MAY, 1995 XXXX(DD,HH) = 6(1, 0) 6(1, 1) 6(1, 2) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY YAMARTINO SIGMA THETA 8 M STABILITY CLASS JUNE, 1995 *
 * LEAST SIGNIFICANT DIGIT = 1.000 STBSIG8 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	6	6	6	6	6	6	1	1	1	1	2	4	3	3	4	4	4	4	4	4	5	6	6	4
2	5	6	6	6	4	4	3	2	1	1	3	3	3	4	4	4	2	3	4	4	5	6	4	6
3	6	6	6	6	5	6	1	1	1	1	1	1	1	3	2	3	2	2	4	4	6	6	6	6
4	6	6	6	6	6	6	3	1	1	1	1	1	3	3	3	3	3	3	4	5	6	4	6	5
5	6	6	6	6	6	6	3	2	1	3	4	4	4	4	4	4	4	4	4	4	4	4	4	5
6	6	6	5	6	6	6	1	1	1	1	1	1	1	2	2	2	4	4	4	4	4	4	4	4
7	4	6	5	6	6	4	4	1	1	1	1	4	3	1	2	2	2	4	4	5	4	6	5	6
8	6	6	6	5	6	6	1	2	1	1	1	1	2	3	3	4	4	4	4	5	6	6	6	5
9	6	6	6	6	6	6	1	1	1	1	1	1	1	1	1	1	1	1	4	5	6	6	6	4
10	6	6	6	6	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	6	6	6	6	4
11	6	6	4	6	6	6	1	1	1	1	1	1	2	3	4	4	4	4	4	5	5	5	6	6
12	6	6	6	6	6	6	1	1	1	1	4	4	4	4	4	4	4	4	4	4	6	6	6	6
13	6	6	6	6	6	6	1	2	2	2	4	4	4	4	4	4	4	4	4	4	6	6	4	6
14	5	6	5	6	6	6	1	1	1	4	4	4	4	4	4	4	4	4	4	4	4	5	5	4
15	4	4	4	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
16	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	5	5	4	5	6
17	6	6	5	6	6	4	3	2	1	1	1	2	2	3	3	4	3	3	4	5	5	5	6	6
18	6	6	6	6	6	6	2	1	1	1	1	2	3	4	4	4	4	4	4	4	4	5	6	6
19	5	6	6	6	6	6	1	1	1	1	2	3	4	4	4	4	4	4	4	6	6	6	6	6
20	6	6	6	6	6	4	1	1	1	2	3	4	4	4	4	3	4	3	4	4	4	4	4	4
21	4	4	4	5	5	4	4	3	1	1	1	1	1	1	1	3	3	4	4	4	6	6	6	6
22	6	6	4	4	6	5	4	1	1	1	1	1	1	1	1	1	1	1	3	4	6	6	4	6
23	6	6	4	6	6	6	1	2	1	1	1	1	2	1	1	2	2	3	4	4	4	4	6	6
24	6	4	5	4	6	4	4	1	3	2	2	2	2	2	1	2	2	2	4	4	4	4	6	6
25	6	6	6	6	6	6	3	2	1	1	1	1	2	2	2	1	1	3	4	6	6	6	4	6
26	4	6	6	6	6	6	1	1	3	1	1	1	1	2	1	3	1	3	4	4	4	5	5	6
27	5	4	6	6	6	6	4	1	1	1	1	2	3	3	4	4	4	4	4	4	6	6	6	6
28	6	6	6	6	4	4	1	1	1	1	1	2	3	4	4	4	4	3	4	4	4	4	5	4
29	4	5	6	6	6	6	1	1	1	1	1	1	2	3	4	4	4	4	4	4	4	4	4	4
30	6	6	6	6	6	6	1	1	1	1	1	1	2	2	3	3	4	4	4	4	4	5	6	6

 * PERCENT VALID HOURS FOR JUNE, 1995 720*100/ 720=100.0% *
 *
 * THREE HIGHEST VALUES FOR JUNE, 1995 XXXX(DD,HH) = 6(1, 0) 6(1, 1) 6(1, 2) (FIRST OCCURRENCE IN MONTH) *

 ** SPILL TEST FACILITY YAMARTINO SIGMA THETA 8 M STABILITY CLASS
 ** LEAST SIGNIFICANT DIGIT = 1.000
 ** AUG, 1995
 ** STBSIG8
 **

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	6	6	6	6	6	6	5	2	1	1	1	1	1	2	1	2	2	2	4	4	6	6	6	6
2	6	6	6	6	6	6	6	4	3	1	1	1	3	3	3	3	3	3	4	4	6	6	6	6
3	6	6	6	6	6	6	5	1	1	1	2	4	4	4	4	4	4	4	4	4	4	6	6	4
4	6	6	6	6	6	6	6	1	1	1	2	4	4	4	4	4	4	4	4	5	6	6	5	6
5	6	6	6	6	6	6	6	1	1	1	1	2	4	4	4	4	4	4	4	4	6	5	5	6
6	6	6	6	6	6	6	6	1	1	1	4	4	4	4	3	4	4	4	4	5	5	5	5	6
7	6	6	6	4	6	6	6	1	1	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
8	6	5	6	6	6	5	6	3	1	1	1	1	2	3	4	3	4	4	4	5	6	4	6	4
9	6	6	6	6	6	6	6	1	1	1	****	****	****	****	4	4	4	4	4	5	5	6	4	4
10	6	6	6	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	4	4
11	6	6	6	6	6	6	6	2	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6
12	6	6	6	6	6	6	6	2	4	4	4	4	4	4	4	4	4	4	4	4	5	4	5	6
13	6	4	6	6	6	6	6	1	1	1	1	1	3	4	3	3	3	4	4	4	6	6	6	6
14	6	6	6	6	6	6	5	1	1	1	1	2	4	4	4	4	4	4	4	5	6	4	6	6
15	6	5	6	6	6	6	6	1	1	2	4	4	4	4	4	4	4	4	4	5	6	5	6	6
16	4	4	4	6	6	6	6	2	3	4	4	4	4	4	4	4	4	4	4	4	6	4	6	5
17	6	6	6	6	6	6	6	1	1	4	4	4	4	4	4	4	4	4	4	4	4	5	5	6
18	6	6	6	6	6	4	6	2	3	1	1	1	1	1	1	1	1	1	4	4	6	6	6	5
19	6	6	6	6	6	6	6	1	1	1	1	1	1	2	1	1	2	4	4	6	6	6	6	6
20	6	6	4	6	5	6	6	1	1	1	4	2	4	3	1	1	1	1	4	5	4	5	6	6
21	6	6	5	6	6	6	6	1	4	1	1	1	1	2	4	3	4	4	3	5	6	6	6	6
22	6	6	6	6	6	6	6	1	1	1	1	1	1	1	3	2	2	2	4	4	5	5	6	5
23	6	6	6	6	5	6	6	2	1	1	1	2	4	4	4	4	3	3	4	4	4	4	5	4
24	6	6	6	6	6	6	6	1	1	4	4	4	4	4	4	4	4	4	4	6	6	5	6	6
25	6	6	6	6	6	6	6	1	1	4	4	4	4	4	4	4	4	4	4	6	5	6	5	6
26	6	6	6	6	6	6	6	1	1	3	1	4	4	4	4	4	4	4	4	6	6	6	6	6
27	6	6	6	6	6	6	6	1	1	4	4	4	4	4	4	4	4	4	4	6	4	4	5	4
28	6	6	5	6	6	6	6	1	1	3	4	4	4	4	4	4	4	4	4	5	6	6	6	6
29	6	6	6	6	6	6	6	1	1	1	3	4	4	4	4	4	4	4	4	4	6	4	6	6
30	6	6	6	6	6	6	6	1	1	1	2	3	4	4	4	3	3	4	4	5	6	6	4	5
31	6	6	6	6	6	6	6	1	1	1	1	2	3	4	4	4	4	4	4	6	6	4	6	6

 ** PERCENT VALID HOURS FOR AUG, 1995 740*100/ 744= 99.5%
 **
 ** THREE HIGHEST VALUES FOR AUG, 1995 XXXX(DD,HH) = 6(1, 0) 6(1, 1) 6(1, 2) (FIRST OCCURRENCE IN MONTH)
 **

 * SPILL TEST FACILITY YAMARTINO SIGMA THETA 8 M STABILITY CLASS SEPT, 1995 *
 * LEAST SIGNIFICANT DIGIT = 1.000 STBSIG8 *
 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY	HOUR																							
1	6	6	6	6	6	6	6	1	4	2	1	4	4	3	3	4	4	4	4	4	6	4	5	6
2	6	6	4	6	6	6	6	1	1	1	1	1	2	4	3	4	4	4	5	5	6	6	6	6
3	6	6	6	6	6	6	6	2	3	1	1	1	1	1	2	2	3	4	5	4	6	6	5	6
4	4	6	6	6	6	6	6	3	1	4	4	4	4	4	4	4	4	4	5	6	6	6	6	6
5	6	6	6	6	6	6	6	1	1	3	3	4	4	4	4	3	4	4	4	6	6	6	6	6
6	6	6	6	5	6	6	6	1	1	1	1	1	4	4	4	4	3	4	5	5	4	4	4	4
7	4	5	5	4	4	5	6	3	1	1	4	4	4	4	4	4	4	4	4	6	4	4	5	5
8	6	6	6	5	6	6	6	1	1	1	2	3	4	4	4	4	4	4	4	6	5	6	6	6
9	4	6	6	6	6	6	6	1	1	1	1	1	2	3	4	4	4	4	6	6	4	6	6	6
10	6	6	6	6	6	6	6	1	1	1	1	1	3	3	4	4	4	4	6	5	4	6	5	6
11	6	6	6	6	6	6	5	1	1	1	1	1	1	2	3	3	2	4	4	6	6	6	6	6
12	6	6	6	6	6	6	6	1	1	1	1	1	1	1	1	1	2	1	5	6	6	6	5	6
13	6	6	6	6	6	6	6	3	1	1	1	1	1	1	1	1	1	4	6	4	6	6	6	6
14	6	6	6	6	6	6	6	1	2	1	1	1	1	2	1	1	1	1	4	4	6	5	6	6
15	6	6	6	6	6	6	6	1	2	1	1	1	1	1	1	2	1	3	4	4	6	6	6	4
16	6	6	6	6	6	6	6	1	1	1	2	4	4	4	4	4	4	4	5	4	4	4	6	6
17	6	6	6	6	5	6	6	1	4	4	4	4	3	3	3	3	4	4	4	6	5	6	6	6
18	6	5	6	6	6	6	6	1	2	1	1	1	2	3	3	3	4	4	5	6	6	6	6	6
19	6	6	6	6	6	6	6	1	1	1	1	1	1	1	2	2	4	4	4	6	6	5	5	6
20	6	6	6	6	6	6	6	1	1	2	1	3	4	4	4	4	4	4	4	6	6	6	6	6
21	6	4	4	4	4	4	4	4	4	4	4	3	2	1	1	1	4	4	4	4	5	6	6	4
22	6	6	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	****	6	6	6	6	6	6	1	1	1	2	1	1	1	1	3	3	4	4	5	6	6	5	6
25	6	6	6	6	6	6	6	1	1	1	1	2	4	4	4	4	4	4	5	4	6	6	6	6
26	6	6	6	6	6	6	6	2	1	1	1	3	3	3	4	4	4	4	5	6	5	6	6	6
27	6	6	6	6	6	6	6	1	1	1	1	1	4	4	4	4	4	4	4	6	6	4	6	6
28	6	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
29	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
30	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****

 * PERCENT VALID HOURS FOR SEPT, 1995 602*100/ 720= 83.6% *
 *

 * THREE HIGHEST VALUES FOR SEPT, 1995 XXXX(DD,HH) = 6(1, 0) 6(1, 1) 6(1, 2) (FIRST OCCURRENCE IN MONTH) *
 *

 * SPILL TEST FACILITY YAMARTINO SIGMA THETA 8 M STABILITY CLASS
 * LEAST SIGNIFICANT DIGIT = . 1.000
 * OCT, 1995
 * STBSIG8

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY																								
1	6	6	6	6	6	6	6	6	1	1	1	1	1	1	1	1	2	6	6	5	5	6	6	6
2	6	6	5	6	6	6	6	6	2	1	1	2	4	4	4	4	4	4	6	6	6	5	4	4
3	6	6	4	4	4	4	4	4	4	3	3	3	1	1	1	1	4	5	6	6	6	6	6	6
4	6	6	6	6	6	6	6	6	1	1	1	1	1	1	2	2	4	4	4	6	4	6	6	6
5	6	6	6	6	6	6	6	6	1	1	1	1	1	1	3	3	4	4	5	6	6	6	6	6
6	6	6	6	6	6	6	6	6	1	1	1	1	1	1	3	3	4	4	5	6	6	6	6	6
7	6	6	6	6	6	6	6	6	1	1	1	1	1	1	3	3	4	4	5	6	6	6	6	6
8	6	6	6	6	6	6	6	6	1	1	1	1	1	1	3	3	4	4	5	6	6	6	6	6
9	6	6	6	6	6	6	6	5	3	1	1	1	1	3	3	4	4	4	6	6	5	6	6	6
10	6	6	6	6	6	6	6	6	2	1	1	1	1	1	2	1	1	5	5	6	6	6	6	6
11	6	6	6	6	6	6	6	6	1	1	1	4	4	4	4	4	4	5	6	6	6	6	6	6
12	6	6	6	6	6	6	6	6	1	1	1	2	3	1	2	3	4	4	6	5	4	4	4	4
13	4	4	4	4	4	6	4	4	4	4	4	3	1	1	2	3	3	5	4	6	6	5	5	6
14	6	6	6	6	6	6	6	6	1	1	1	1	1	1	1	3	3	6	4	4	6	6	6	6
15	6	6	6	6	6	6	6	6	3	1	1	1	1	1	4	4	4	4	6	5	6	6	6	6
16	6	6	6	6	6	6	6	6	1	1	1	1	1	1	1	1	4	4	6	6	6	6	6	6
17	6	6	6	6	6	6	6	6	3	2	1	1	1	1	1	3	3	5	6	6	6	6	6	6
18	6	6	6	6	6	6	6	6	1	1	1	1	3	4	4	3	4	4	6	4	6	4	6	6
19	6	4	4	6	6	6	6	6	1	3	1	1	1	1	1	3	4	5	5	6	6	6	6	6
20	6	6	6	6	6	6	6	6	1	1	1	1	1	1	3	4	4	4	6	6	6	5	6	6
21	6	6	6	6	6	6	6	6	1	2	1	1	4	4	4	3	4	6	6	4	5	5	4	4
22	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	5	5	6	6	6	4	6
23	4	5	6	6	6	4	4	5	2	2	2	1	1	1	1	1	1	5	6	6	6	6	6	6
24	6	6	6	6	6	6	6	6	2	1	1	1	1	1	1	1	4	4	6	6	5	6	6	6
25	6	6	6	6	6	6	6	6	1	1	1	1	1	1	2	4	4	4	6	6	6	6	6	6
26	6	6	6	6	6	6	6	6	1	1	1	1	1	1	1	4	4	4	4	6	6	6	5	6
27	6	6	6	6	6	6	6	6	1	1	2	1	1	1	1	3	4	5	6	5	6	6	6	6
28	6	6	6	6	6	6	6	6	1	2	2	2	1	1	1	3	1	4	6	6	6	6	6	6
29	6	6	6	6	6	6	6	5	3	2	1	3	3	1	1	1	4	6	6	4	6	6	6	6
30	6	6	6	6	6	6	6	6	2	1	2	1	3	4	4	4	4	5	6	6	4	5	6	6
31	6	6	6	6	6	5	6	6	1	1	1	1	4	4	4	4	4	4	6	5	6	6	6	5

 * PERCENT VALID HOURS FOR OCT, 1995 720*100/ 744= 96.8%
 * THREE HIGHEST VALUES FOR OCT, 1995 XXXX(DD,HH) = 6(2, 0) 6(2, 1) 6(2, 2) (FIRST OCCURRENCE IN MONTH)

 * SPILL TEST FACILITY YAMARTINO SIGMA THETA 8 M STABILITY CLASS NOV, 1995 *
 * LEAST SIGNIFICANT DIGIT = 1.000 STBSIG8 *

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAY	HOUR																							
1	6	6	6	5	6	6	6	6	2	3	3	3	3	4	4	4	4	4	4	6	6	6	6	6
2	6	6	6	5	6	4	6	6	1	2	1	1	1	1	1	1	1	5	6	6	6	5	6	6
3	4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
5	****	6	6	6	6	6	6	6	2	1	1	1	1	2	4	4	4	4	6	6	6	6	6	6
6	6	6	6	6	6	6	6	6	4	1	1	1	3	4	4	4	4	4	6	6	6	6	6	5
7	6	6	6	6	6	6	6	6	1	2	1	1	1	1	1	3	4	5	5	6	6	6	6	6
8	6	6	6	6	6	6	6	5	2	1	1	1	1	1	4	4	4	4	6	6	6	6	6	6
9	6	6	6	6	6	6	6	5	1	1	1	1	2	4	4	4	4	6	4	4	6	6	6	6
10	6	6	6	6	6	6	6	4	1	2	2	3	3	3	2	3	1	6	6	6	6	6	6	6
11	6	6	6	6	6	6	6	6	1	2	2	1	1	1	3	3	4	6	6	6	6	6	6	6
12	6	6	6	6	6	6	6	6	2	1	1	1	1	1	1	4	4	6	6	6	6	6	6	6
13	6	6	6	6	6	6	6	6	1	2	1	1	1	1	2	4	3	5	4	6	6	5	6	6
14	6	5	6	6	6	4	6	6	4	3	1	1	2	1	1	3	4	6	6	6	6	6	6	6
15	5	6	6	6	6	6	6	6	1	4	2	1	1	1	1	1	2	6	6	6	6	6	6	5
16	6	6	6	6	6	6	6	6	2	1	1	3	4	1	3	4	4	5	6	6	6	6	6	6
17	6	6	6	6	6	6	6	6	2	1	1	1	1	1	3	4	4	6	6	5	6	6	6	6
18	6	6	6	6	6	6	6	6	1	3	3	1	3	3	2	1	1	6	6	5	4	6	6	6
19	6	6	6	6	6	6	6	6	2	1	1	1	2	1	1	4	2	5	5	6	6	6	6	6
20	6	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	****	6	6	6	6	6	6	4	4	4	4	4	4	3	4	4	4	4	4	6	6	6	5	6
27	6	6	4	4	4	4	5	5	4	4	4	3	3	2	4	4	4	5	6	6	6	6	6	6
28	6	4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
29	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
30	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****

 * PERCENT VALID HOURS FOR NOV, 1995 458*100/ 720= 63.6% *
 * *
 * THREE HIGHEST VALUES FOR NOV, 1995 XXXX(DD,HH) = 6(1, 0) 6(1, 1) 6(1, 2) (FIRST OCCURRENCE IN MONTH) *

 * SPILL TEST FACILITY YAMARTINO SIGMA THETA 8 M STABILITY CLASS
 * LEAST SIGNIFICANT DIGIT = 1.000
 * DEC, 1995
 * STBSIG8

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
2	*****	6	6	6	6	6	6	6	5	1	2	1	2	1	4	4	6	6	6	5	6	6	6	6
3	*****	6	6	6	6	6	6	6	6	2	3	1	2	4	1	3	5	6	6	6	6	6	6	6
4	*****	6	6	6	5	6	6	6	6	3	1	1	1	2	1	3	6	6	5	6	6	5	6	6
5	*****	6	6	6	6	6	6	6	6	1	4	3	4	4	1	4	5	6	6	6	6	6	6	6
6	*****	6	6	6	4	6	6	6	6	1	1	2	2	1	1	4	5	6	6	6	6	6	6	6
7	*****	5	6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
8	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
9	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
10	*****	6	6	6	6	6	6	6	4	1	1	1	2	3	4	4	6	4	6	6	4	6	6	6
11	*****	6	6	6	6	6	6	6	6	1	1	1	1	3	1	1	6	6	6	5	6	6	6	6
12	*****	6	6	6	5	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
13	*****	4	4	5	5	4	5	6	4	6	4	4	4	4	4	4	4	5	4	4	4	4	5	4
14	*****	4	4	4	4	6	5	6	6	6	2	1	1	1	1	3	4	6	6	6	6	6	6	6
15	*****	6	6	6	6	6	6	6	6	1	2	1	1	1	1	1	6	6	6	4	4	6	5	6
16	*****	6	6	6	5	4	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4	5	4	5
17	*****	4	4	4	4	4	4	6	4	4	4	3	3	4	4	4	5	4	4	6	6	6	4	6
18	*****	6	6	6	6	6	6	5	6	1	4	3	1	1	1	2	6	6	5	6	6	6	6	6
19	*****	6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
20	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
21	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
22	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
23	*****	6	6	6	4	6	6	6	5	3	4	3	4	4	1	1	4	4	4	4	5	6	6	6
24	*****	6	6	6	6	6	6	6	6	1	2	1	1	1	2	4	4	6	6	6	6	6	6	6
25	*****	6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
26	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
27	*****	6	6	6	5	5	6	6	6	1	3	2	1	1	2	4	5	4	6	6	6	6	6	6
28	*****	6	6	6	6	6	6	6	6	2	1	1	1	3	3	4	5	6	6	4	6	6	6	6
29	*****	6	6	6	6	6	6	6	6	2	2	1	1	3	1	3	5	6	6	6	6	6	6	6
30	*****	6	6	5	6	6	6	6	6	1	1	1	3	1	4	4	5	4	6	6	6	6	6	6
31	*****	6	6	6	6	6	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5

 * PERCENT VALID HOURS FOR DEC, 1995 504*100/ 744= 67.7%
 *
 * THREE HIGHEST VALUES FOR DEC, 1995 XXXX(DD,HH) = 6(2, 1) 6(2, 2) 6(2, 3) (FIRST OCCURRENCE IN MONTH)
 *