Desert Research Institute
Energy and Environmental Engineering Center

University and Community College System of Nevada

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# 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
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December 1997

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## 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: ¼, ½, 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.

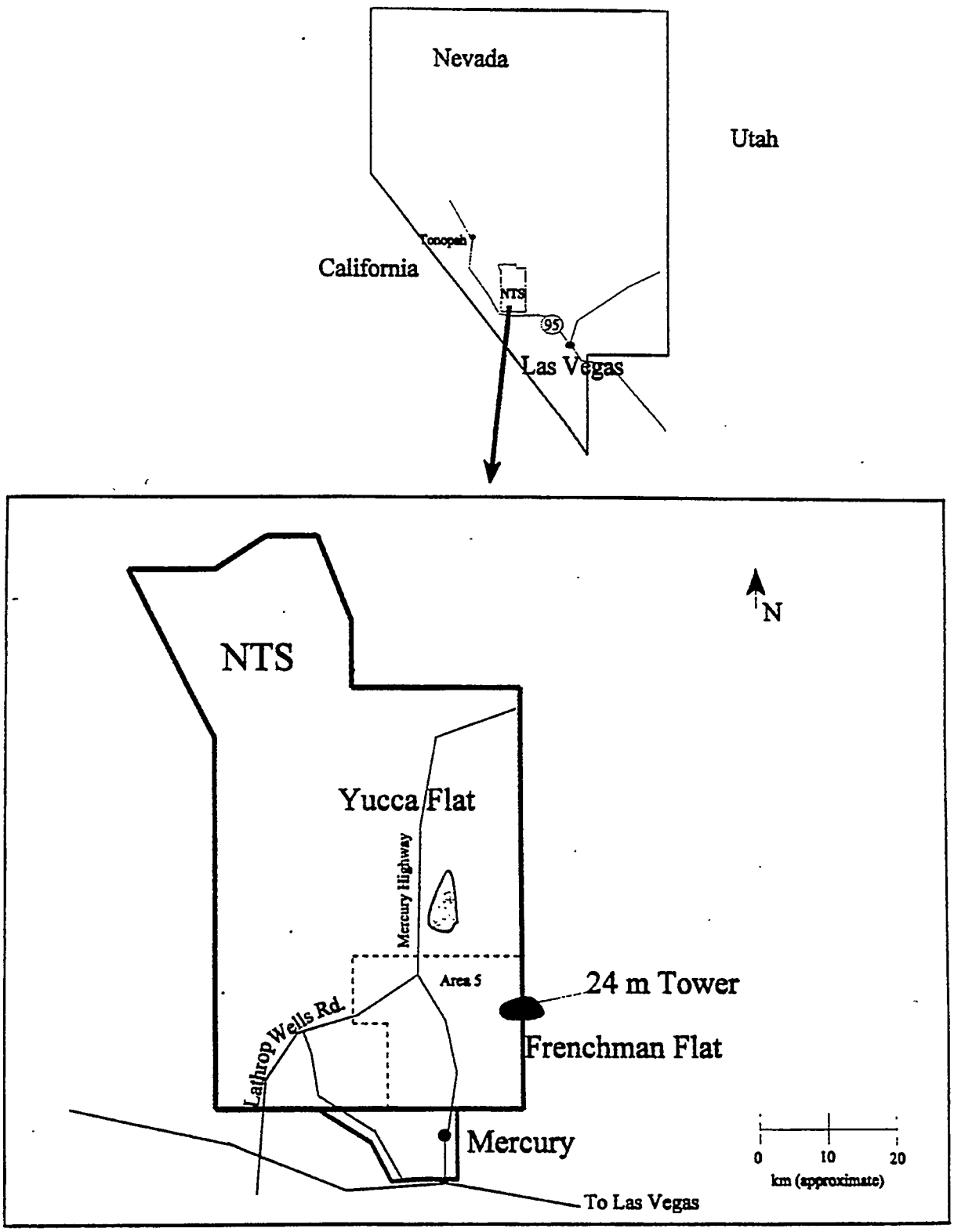



**Figure 1-1 Location of Project**

## 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 $CO_2$ 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] Mean | Std Dev | Wind Speed (mps) Constant Motor Mean | Std Dev | Wind Direction (degrees) Mean | Std Dev | Relative Humidity Psychrometer % | Barometric Pressure (mb) | Solar Radiation ($W/m^2$) |
| 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
SENSOR = M*QUARTZ + B

TO CORRECT SENSOR
TCORR = (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 | 250.0 | 0.7 | | |
| | 69.3 | 67.4 | -1.9 | | |
| | 317.7 | 318.0 | 0.3 | | |
| | 137.7 | 133.0 | -4.7 | -1.4 | 2.5 |
| 16 | 249.3 | 249.0 | -0.3 | | |
| | 69.3 | 67.3 | -2.0 | | |
| | 317.7 | 318.0 | 0.3 | | |
| | 137.7 | 135.0 | -2.7 | -1.2 | 1.4 |
| 8 | 249.3 | 250.0 | 0.7 | | |
| | 69.3 | 69.1 | -0.2 | | |
| | 317.7 | 320.0 | 2.3 | | |
| | 137.7 | 138.0 | 0.3 | 0.8 | 1.1 |
| 4 | 249.3 | 251.0 | 1.7 | | |
| | 69.3 | 66.4 | -2.4 | | |
| | 317.7 | 319.0 | 1.3 | | |
| | 137.7 | 133.0 | -4.7 | -1.0 | 3.1 |
| 2 | 249.3 | 249.0 | -0.3 | | |
| | 69.3 | 67.2 | -2.1 | | |
| | 317.7 | 317.0 | -0.7 | | |
| | 137.7 | 135.0 | -2.7 | -1.5 | 1.1 |
| 1 | 249.3 | 249.0 | -0.3 | | |
| | 69.3 | 70.6 | 1.3 | | |
| | 317.7 | 317.0 | -0.7 | | |
| | 137.7 | 137.0 | -0.7 | -0.1 | 1.0 |
| 0.5 | 249.3 | 248.0 | -1.3 | | |
| | 69.3 | 67.4 | -1.9 | | |
| | 317.7 | 317.0 | -0.7 | | |
| | 137.7 | 134.0 | -3.7 | -1.9 | 1.3 |
| 0.25 | 249.3 | 251.0 | 1.7 | | |
| | 69.3 | 68.1 | -1.2 | | |
| | 317.7 | 319.0 | 1.3 | | |
| | 137.7 | 135.0 | -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 | |
| | 900.2 | 897.0 | -3.2 | -3.1 |

# 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 | ytdsqtdg | degrees | standard deviation (sigma theta) of wind direction, quarter meter |
| 6 | swshfmps | mps | scalar wind speed, half meter level |
| 7 | unwdhfdg | degrees | unit vector wind direction, half meter level |
| 8 | ytdshfdg | 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 | ytds01dg | 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 | ytds02dg | 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 | ytds04dg | degrees | standard deviation (sigma theta) of wind direction, 4 meter level |
| 18 | sws08mps | mps | scalar wind speed, 8 meter level |
| 19 | unw08fdg | degrees | unit vector wind direction, 8 meter level |
| 20 | ytds08dg | 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 | ytds16dg | 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 | ytds24dg | degrees | standard deviation (sigma theta) of wind direction, 24 meter level |
| 27 | vwsqtmps | mps | vector wind speed, quarter meter level |
| 28 | vwdqtdg | degrees | vector wind direction, quarter meter level |
| 29 | vwshfmps | 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 | tmphfdgc | 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 | Monthly Max | Monthly Min | Mean Daily Max | Mean Daily Min | % Data Recovery |
|---|---|---|---|---|---|---|---|
| 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 | Monthly Max | Monthly Min | Mean Daily Max | Mean Daily Min | % Data Recovery |
|---|---|---|---|---|---|---|---|
| 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 | Monthly Max | Monthly Min | Mean Daily Max | Mean Daily Min | % Data Recovery |
|---|---|---|---|---|---|---|---|
| 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 | 4.59 | 16.37 | -3.65 | 9.31 | 1.40 | 100.0 |
| | soil | | | | | | |
| 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 | 7.94 | 22.72 | -2.53 | 17.79 | 0.79 | 100.0 |
| | soil | | | | | | |
| 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 | 8.56 | 21.81 | -4.86 | 15.30 | 2.49 | 99.9 |
| | soil | | | | | | |
| 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 | 12.13 | 26.50 | -0.92 | 19.83 | 4.64 | 99.7 |
| | soil | | | | | | |
| 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 | 15.54 | 31.53 | 2.35 | 23.17 | 7.87 | 99.9 |
| | soil | | | | | | |

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

| Month | Tower Height (m) | Monthly Mean | Monthly Max | Monthly Min | Mean Daily Max | Mean Daily Min | % Data Recovery |
|---|---|---|---|---|---|---|---|
| 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 | 20.88 | 36.90 | 2.79 | 29.61 | 11.33 | 100.0 |
| | soil | | | | | | |
| 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 | 25.84 | 41.19 | 8.75 | 35.15 | 14.38 | 96.8 |
| | soil | | | | | | |
| 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 | 26.19 | 40.25 | 8.18 | 36.36 | 14.97 | 99.2 |
| | soil | | | | | | |
| 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 | 22.46 | 37.83 | 4.69 | 32.33 | 11.14 | 83.5 |
| | soil | | | | | | |
| 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 | 13.21 | 30.41 | -6.15 | 25.71 | 2.93 | 96.6 |
| | soil | | | | | | |

**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 | 8.16 | 26.26 | -9.26 | 18.14 | -1.14 | 63.6 |
| | soil | | | | | | |
| 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 | 3.24 | 19.51 | -12.35 | 11.05 | -3.97 | 67.7 |
| | soil | | | | | | |

**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 ($W/m^2$)** | | | | | | | | | | | | | | | | | | |
| 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 ($W/m^2$)** | | | | | | | | | | | | | | | | | | |
| 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 ($W/m^2$)** | | | | | | | | | | | | | | | | | | |
| 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 ($W/m^2$)** | | | | | | | | | | | | | | | | | | |
| 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,

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

where,

- $g$ = 9.8 m/sec$^2$
- $\theta$ = potential temperature (°K)
- $u$ = wind speed (mps)
- $z$ = height (m)

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

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

where,

- $\theta_1$, $u_1$ = potential temperature (°K) and wind speed (mps) at height $z_1$
- $\theta_2$, $u_2$ = 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 | $-5 \le L < 0$ | $Ri \le -0.2$ | $Ri \le -0.4$ | $Ri \le -1.6$ |
| B | $-10 \le L < -5$ | $-0.2 < Ri \le -0.1$ | $-0.4 < Ri \le -0.2$ | $-1.6 < Ri \le -0.8$ |
| C | $-20 \le L < -10$ | $-0.1 < Ri \le -0.05$ | $-0.2 < Ri \le -0.1$ | $-0.8 < Ri \le -0.4$ |
| D | $L < -20, L \ge +15$ | $-0.05 < Ri \le +0.05$ | $-0.1 < Ri$ +0.09 | $-0.4 < Ri \le +0.2$ |
| E | $+5 \le L < +15$ | $+0.05 < Ri \le +0.12$ | $+0.09 < Ri \le +0.18$ | $+0.2 < Ri \le +0.28$ |
| F | $+1.7 \le L < +5$ | $+0.12 < Ri \le +0.21$ | $+0.18 < Ri \le +0.26$ | $+0.28 < Ri \le +0.315$ |
| G | $0 \le L < +1.7$ | $Ri > +0.21$ | $Ri > +0.26$ | $Ri > 0.315$ |

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

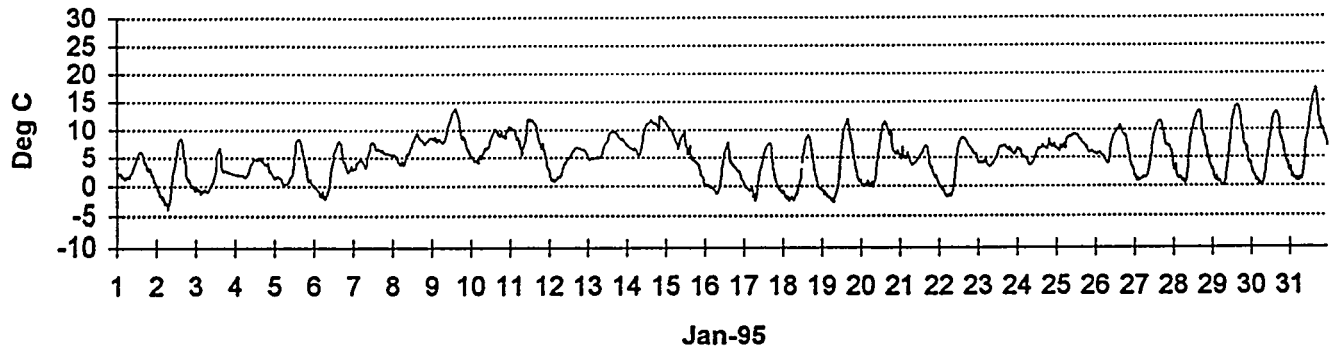

| | |
|---|---|
| Appendix A | Selected Time Series Plots, Two and Eight Meters |
| Appendix B | Monthly Wind Roses, Two and Eight Meters |
| Appendix C | Monthly Wind Frequency Distributions, Two and Eight Meters |
| Appendix D | Tabulated Hourly Richardson Numbers, Monin-Obukhov Lengths Estimated from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

## APPENDIX A: TIME SERIES PLOTS --15 MINUTE AVERAGES

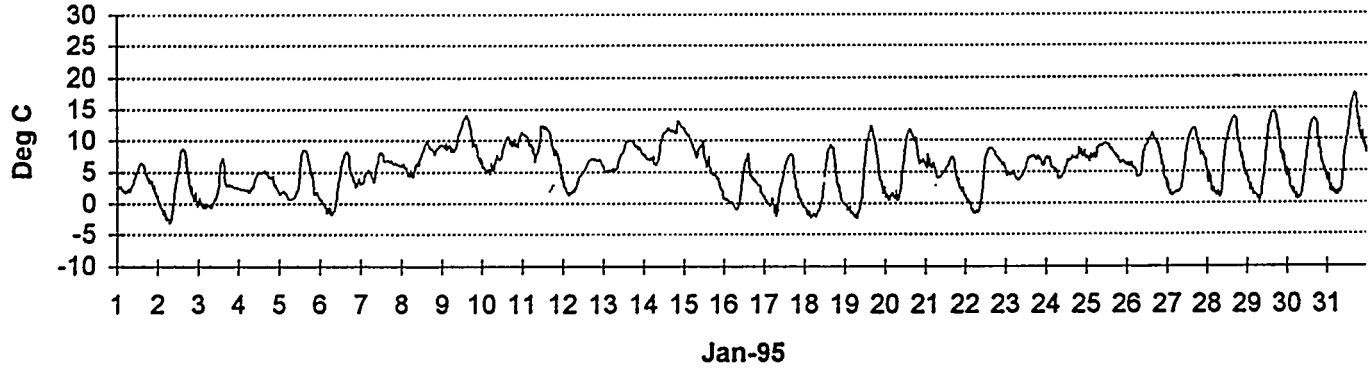
Each Month, January - December, 1995

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

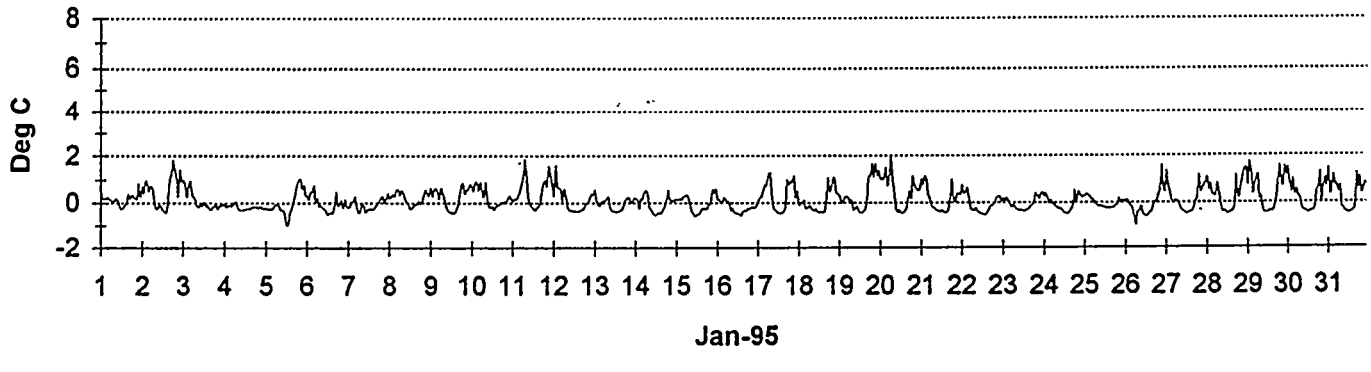
## 2 METER TEMPERATURE

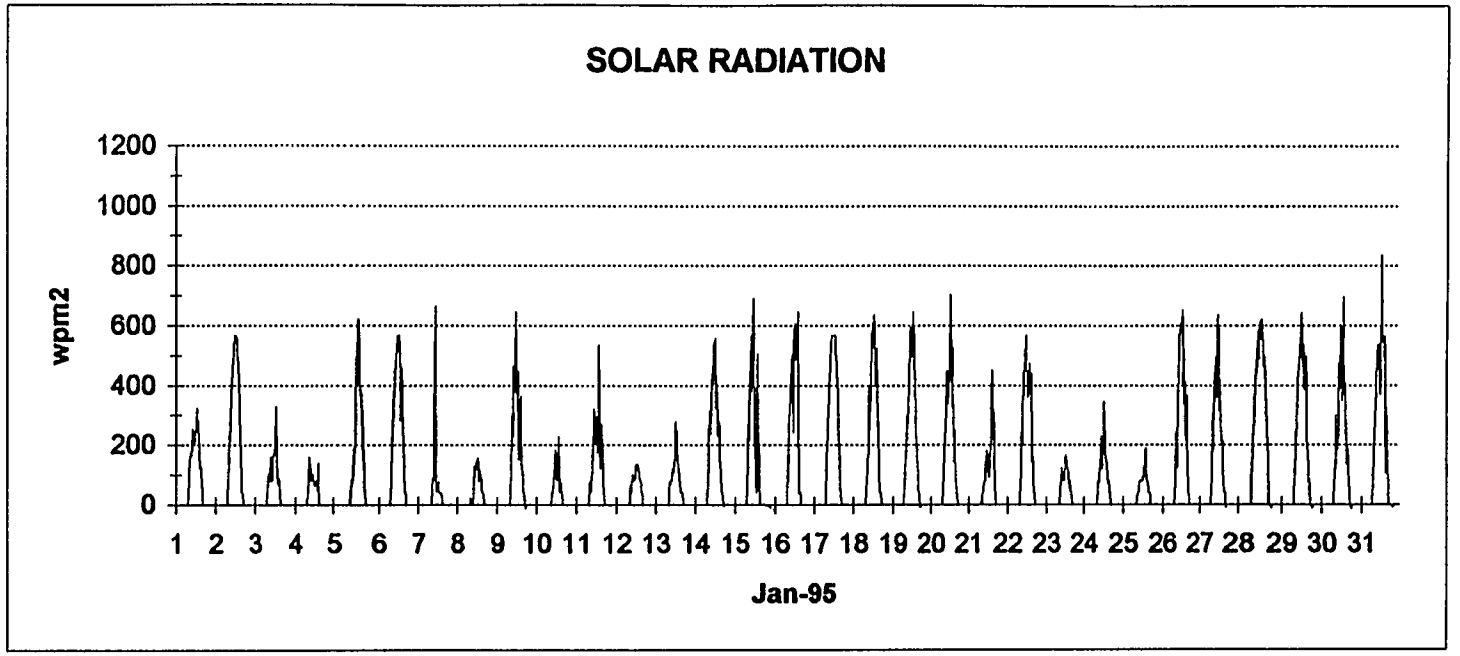



## 8 METER TEMPERATURE




## TEMPERATURE DIFFERENCE, 2 TO 16 METER

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1000
800
600
400
200
0
wpm2
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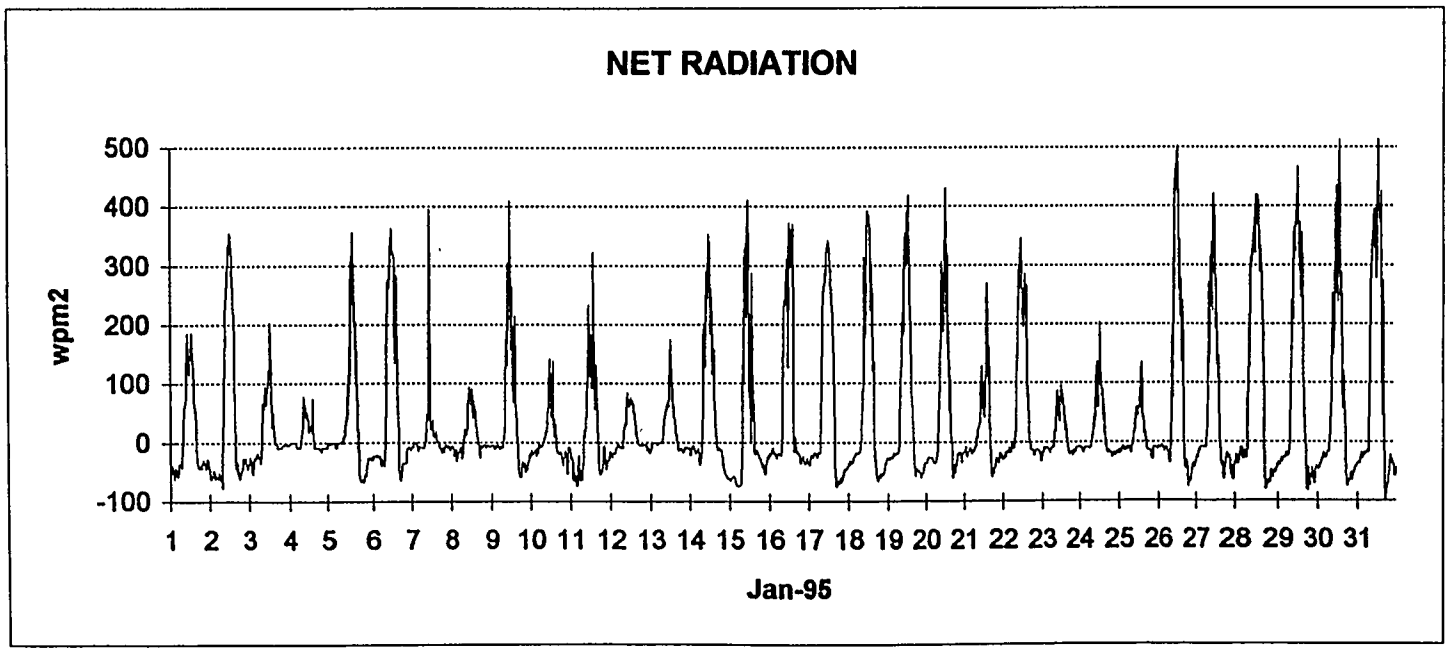
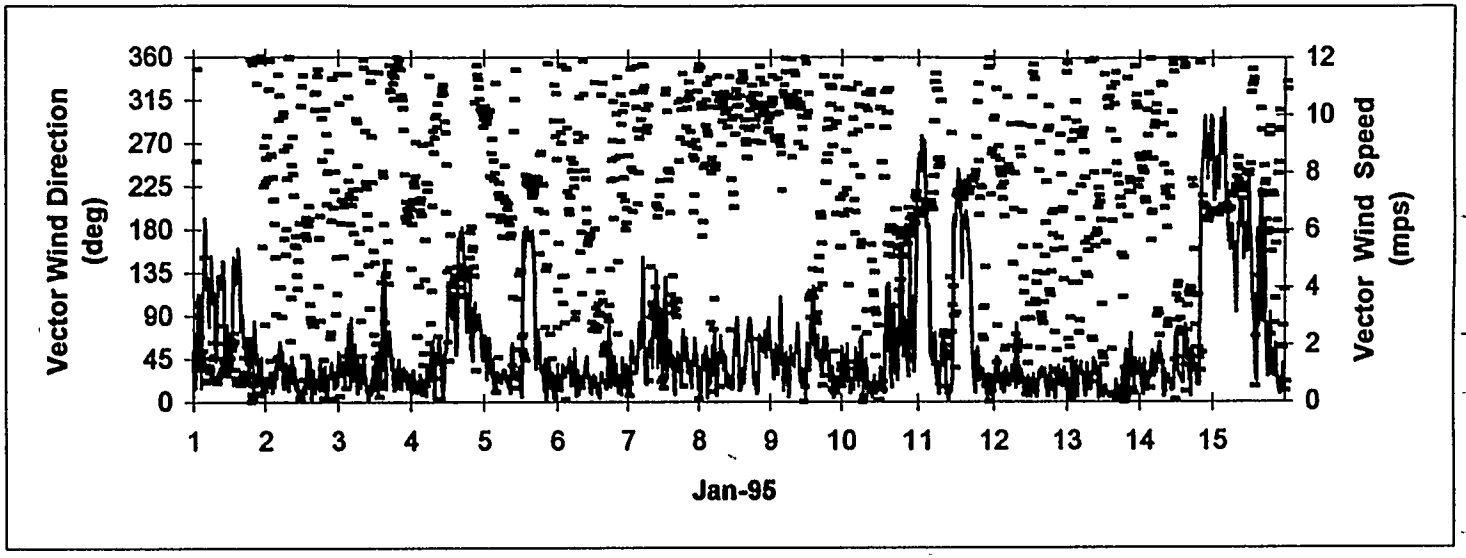
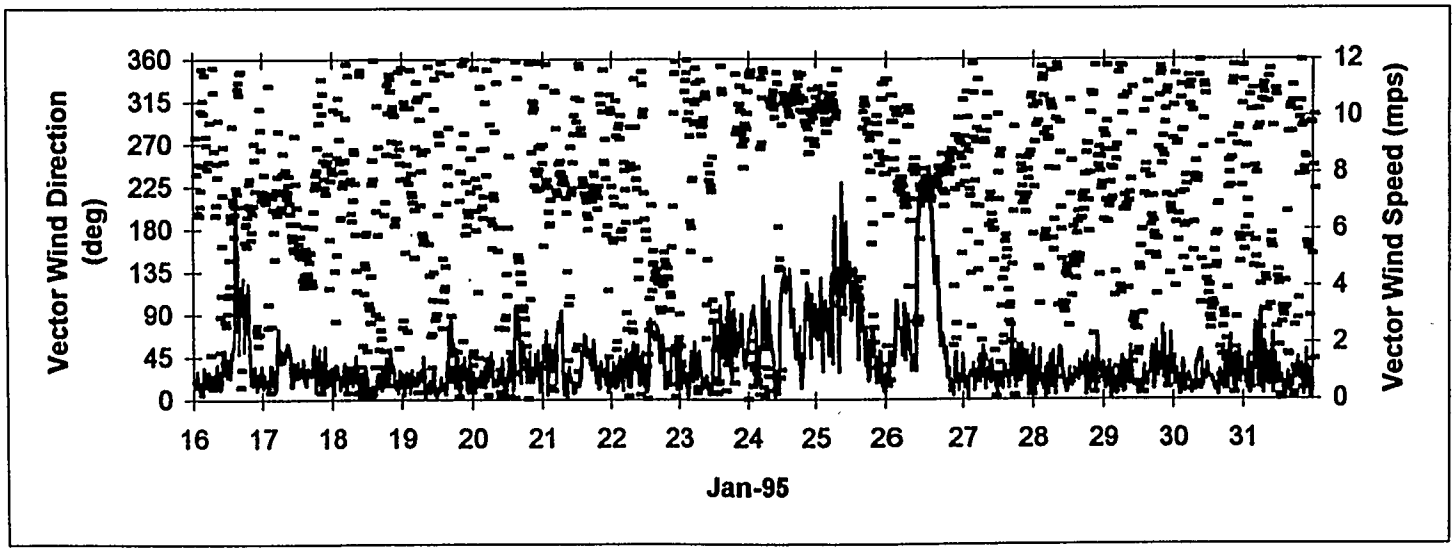
Jan-95

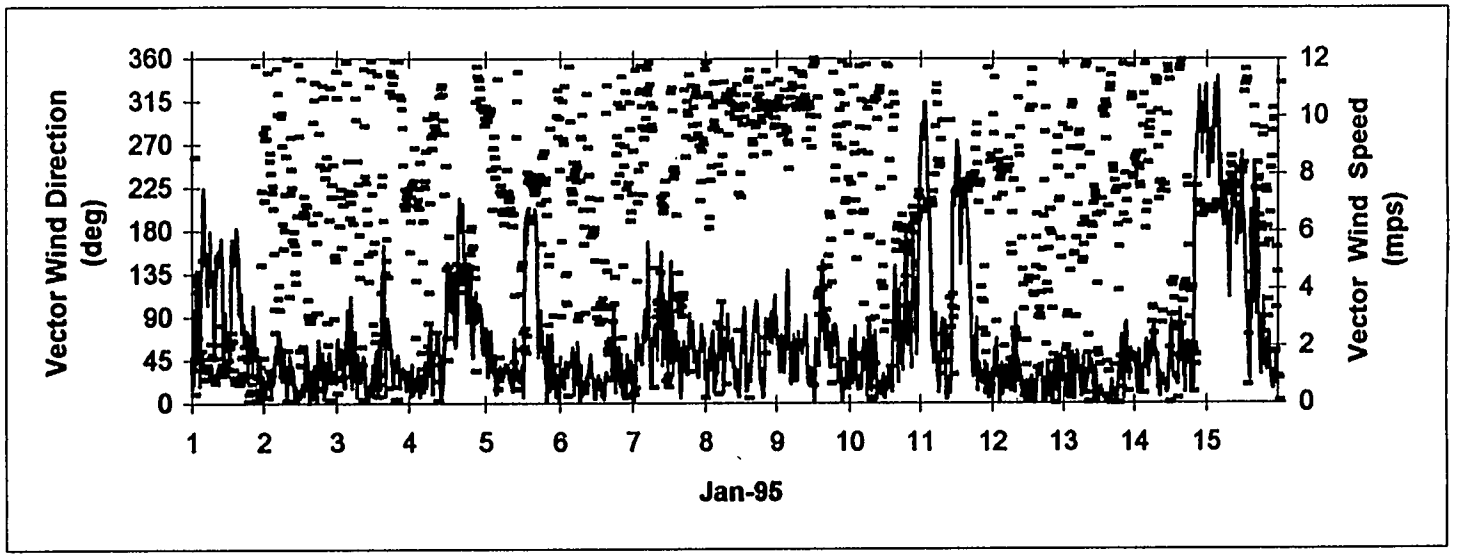

NET RADIATION
500
400
300
200
100
0
-100
wpm2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Jan-95

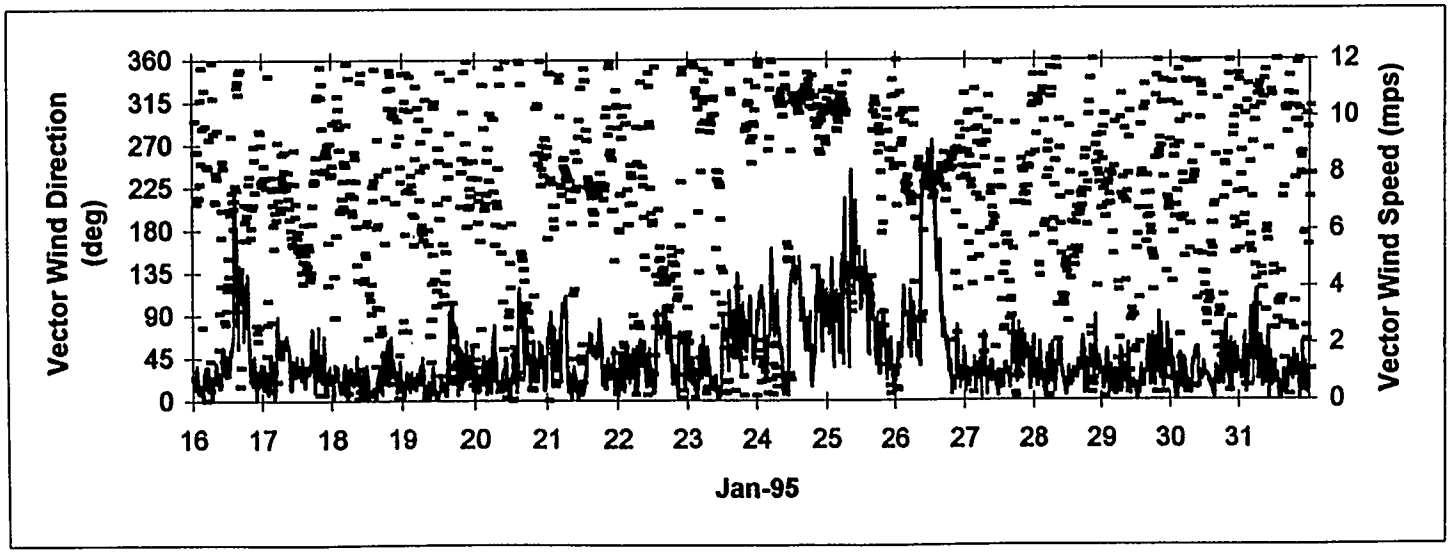
2 METER


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Jan-95

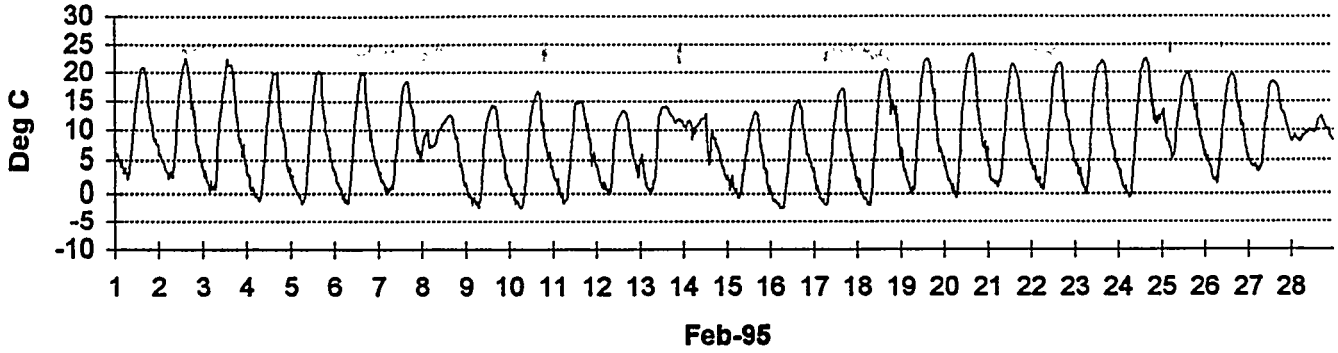

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Jan-95

8 METER

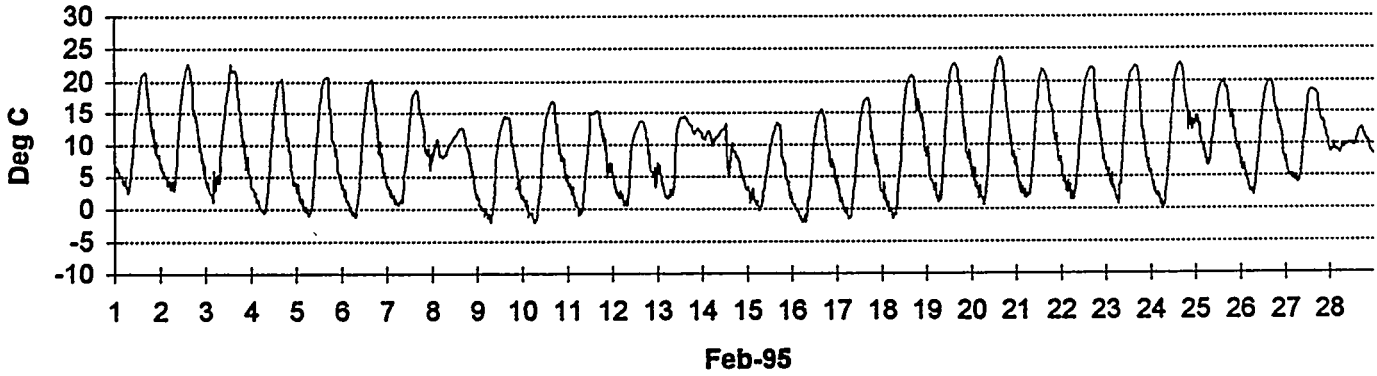

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Jan-95


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Jan-95

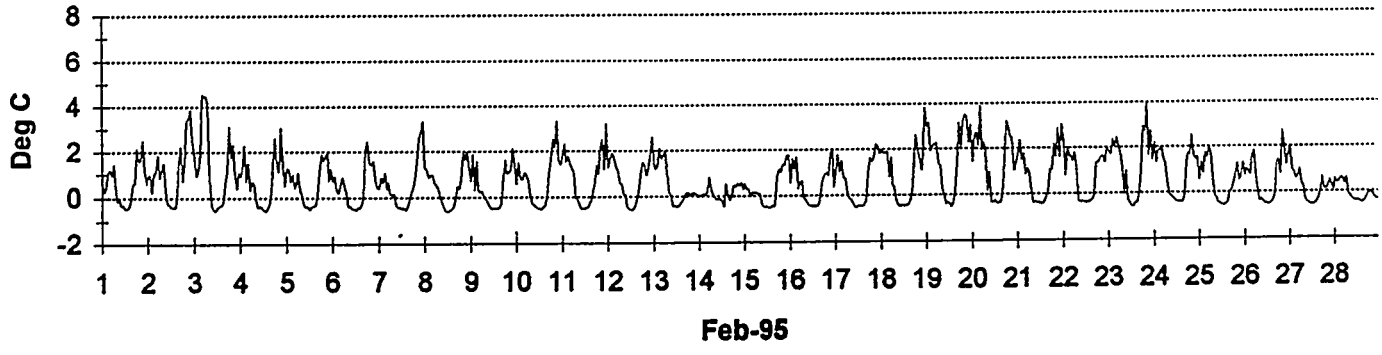
## 2 METER TEMPERATURE

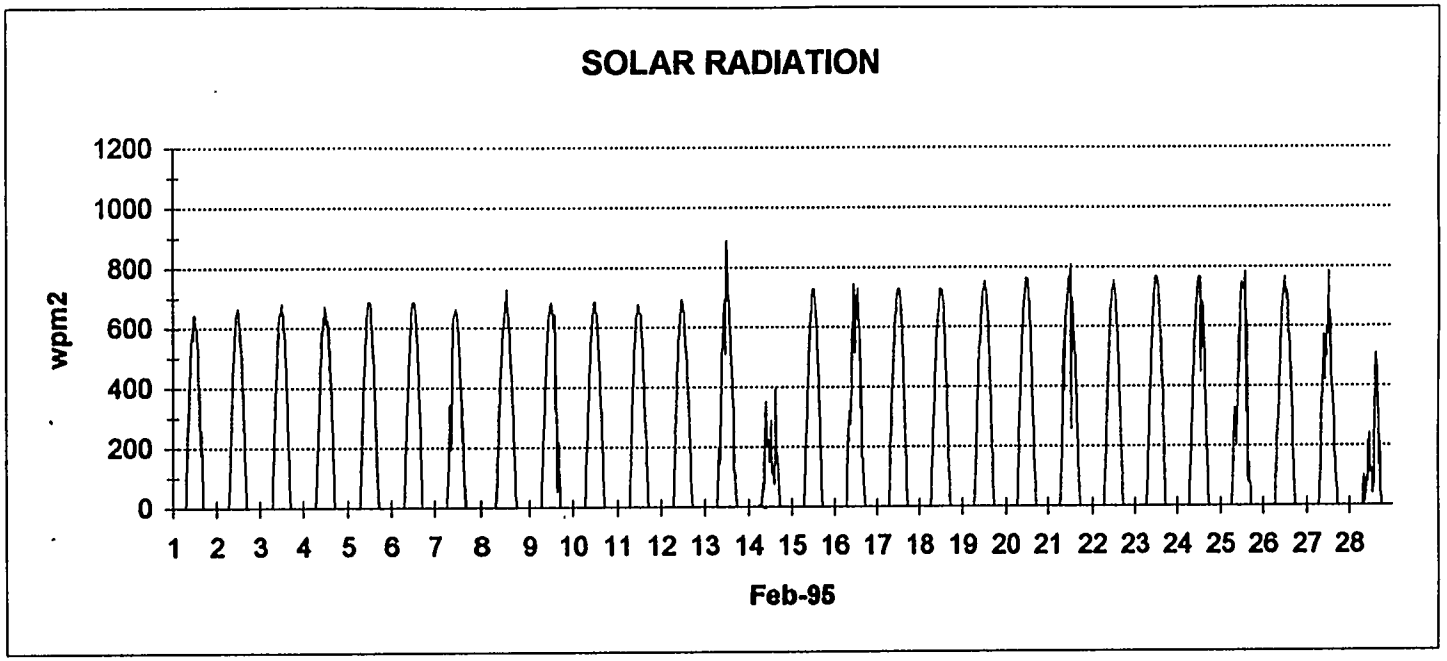


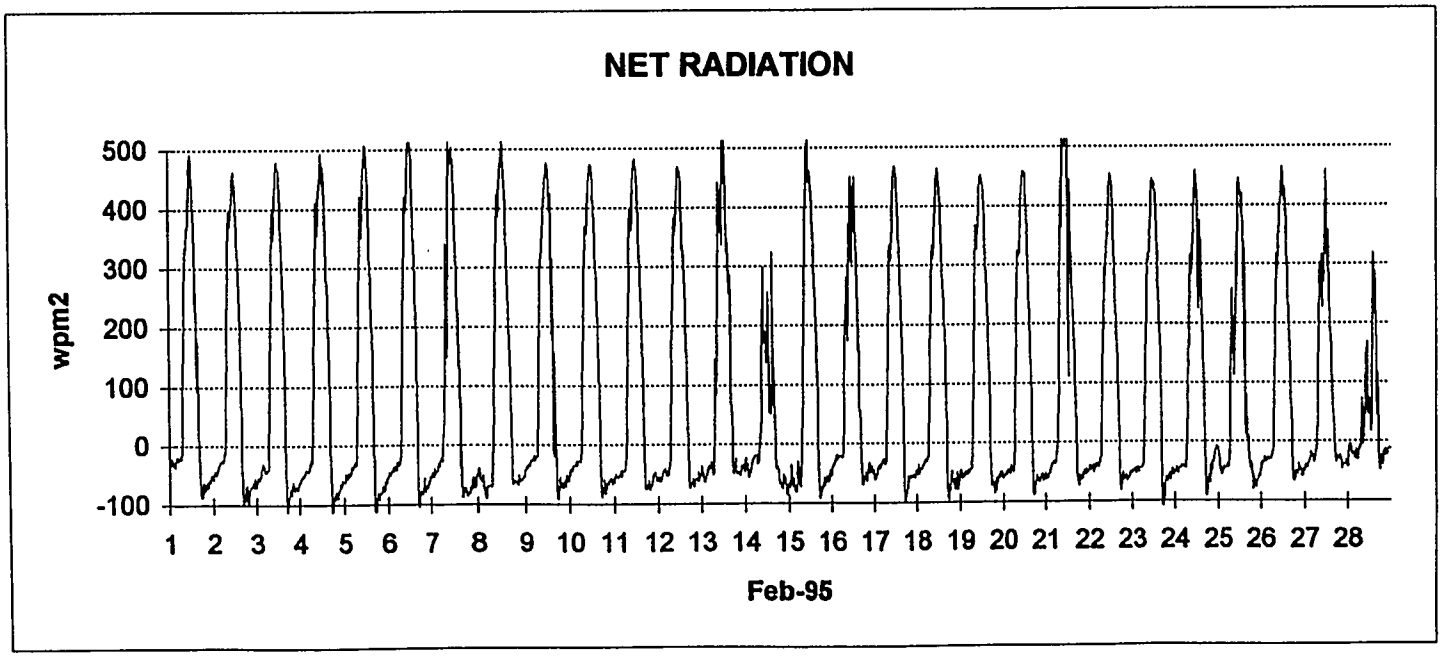

## 8 METER TEMPERATURE




## TEMPERATURE DIFFERENCE, 2 TO 16 METER




SOLAR RADIATION
wpm2
1200
1000
800
600
400
200
0
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
Feb-95


NET RADIATION
wpm2
500
400
300
200
100
0
-100
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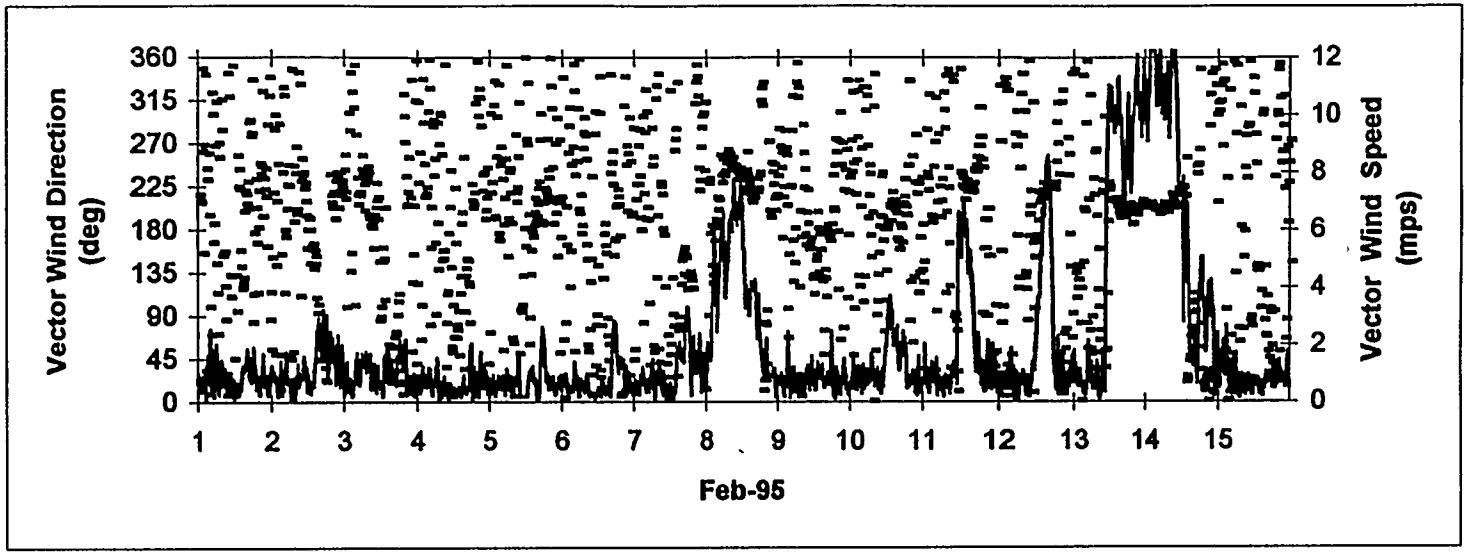
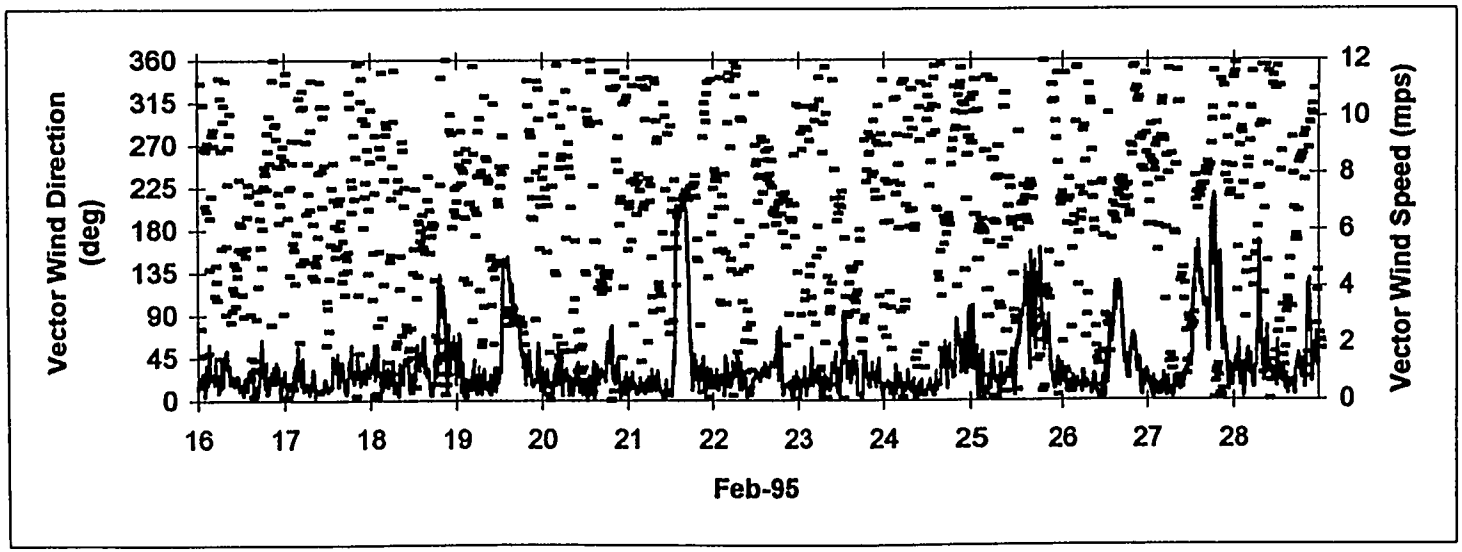
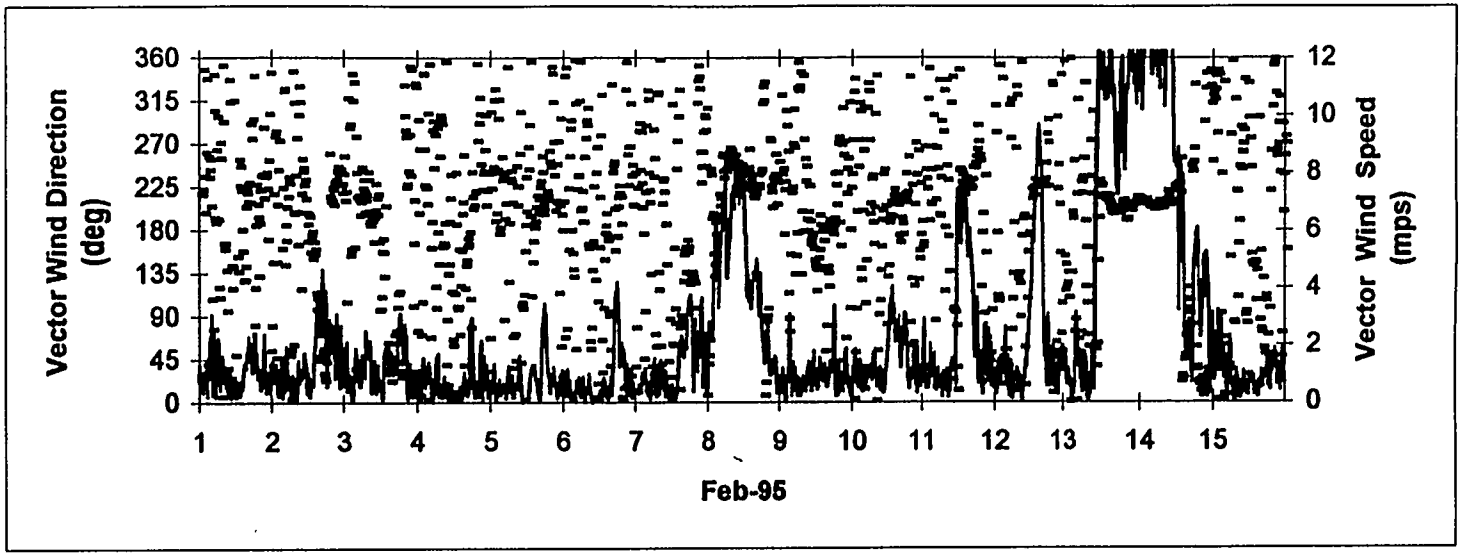
Feb-95

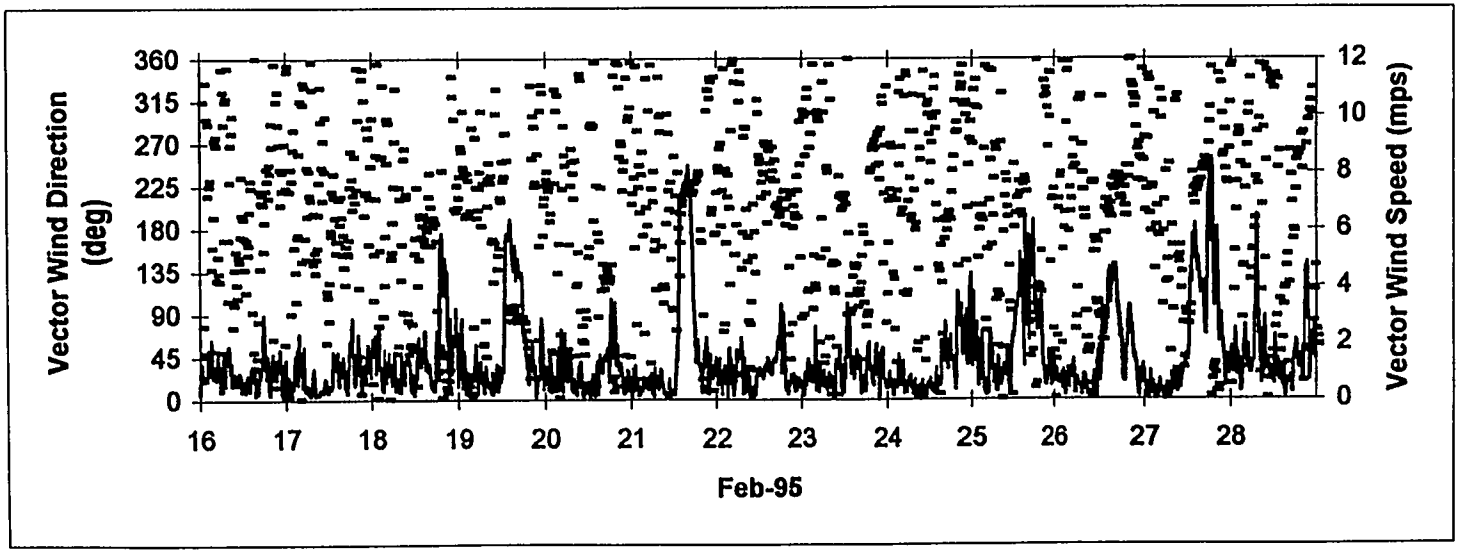
2 METER

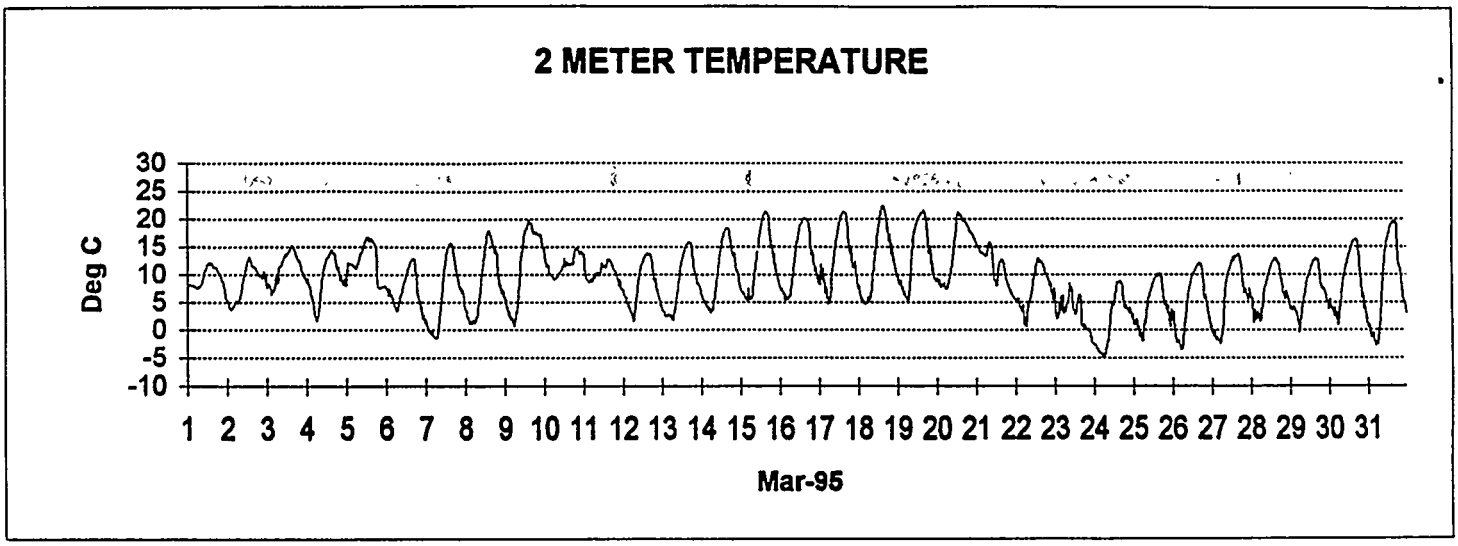

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Feb-95
Vector Wind Speed (mps)
12
10
8
6
4
2
0

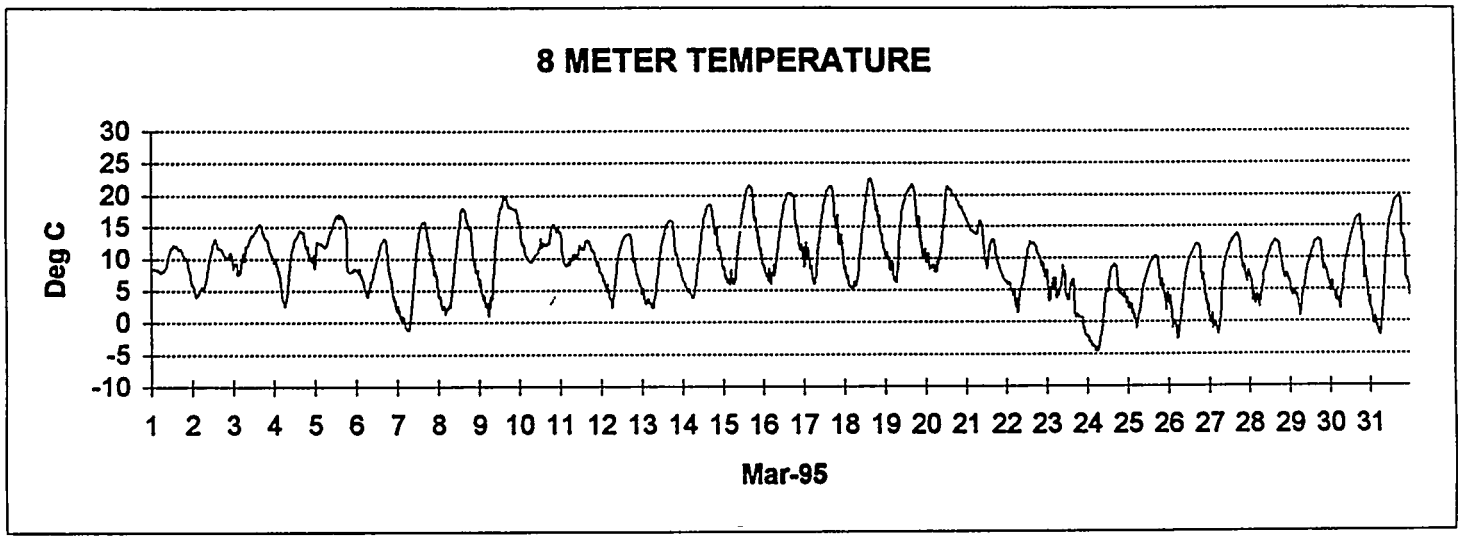

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
16 17 18 19 20 21 22 23 24 25 26 27 28
Feb-95
Vector Wind Speed (mps)
12
10
8
6
4
2
0

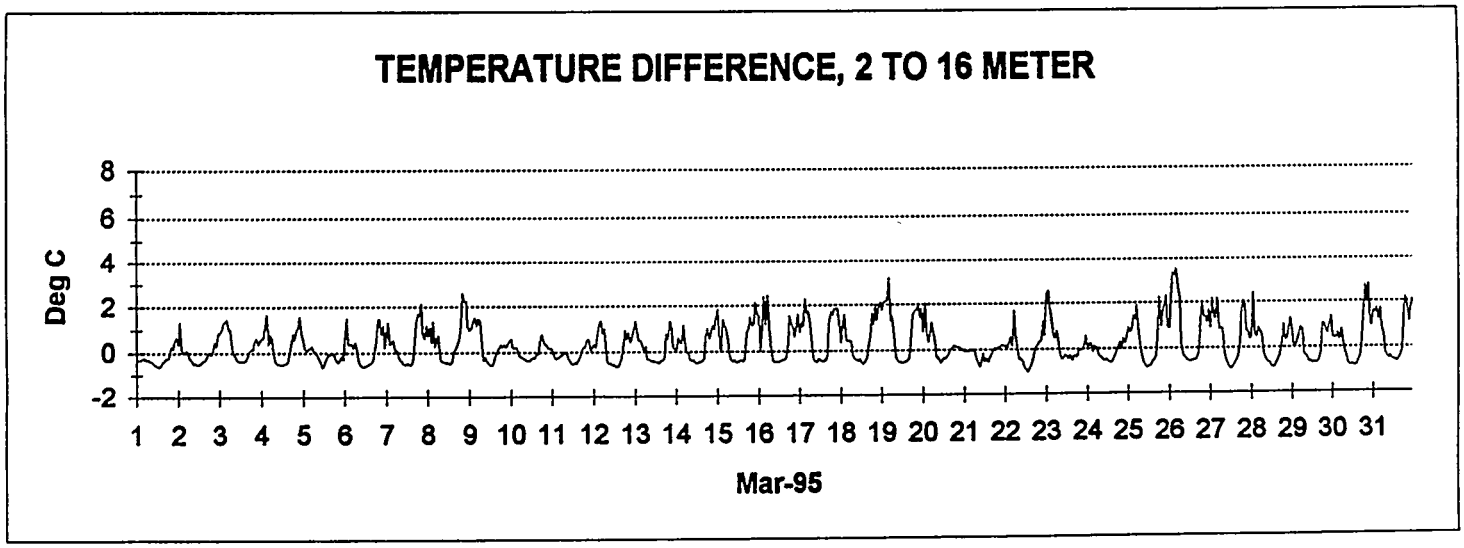
8 METER

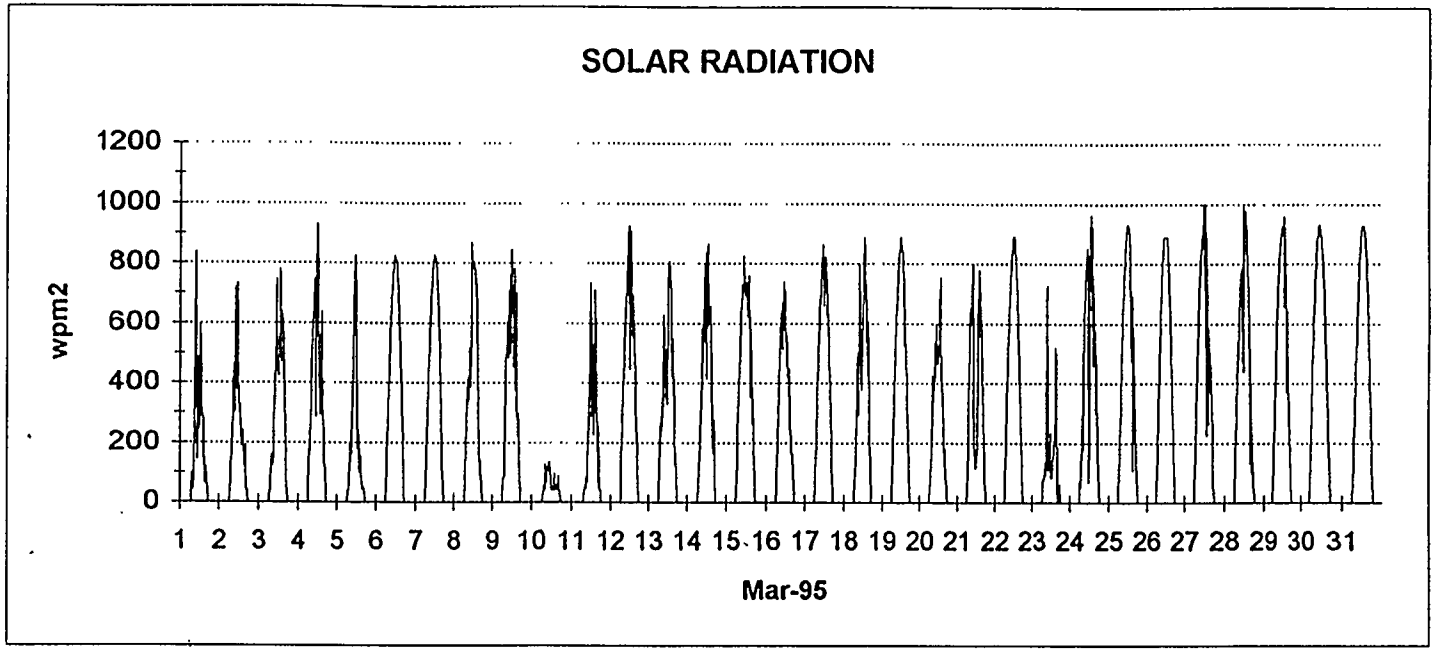

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Feb-95

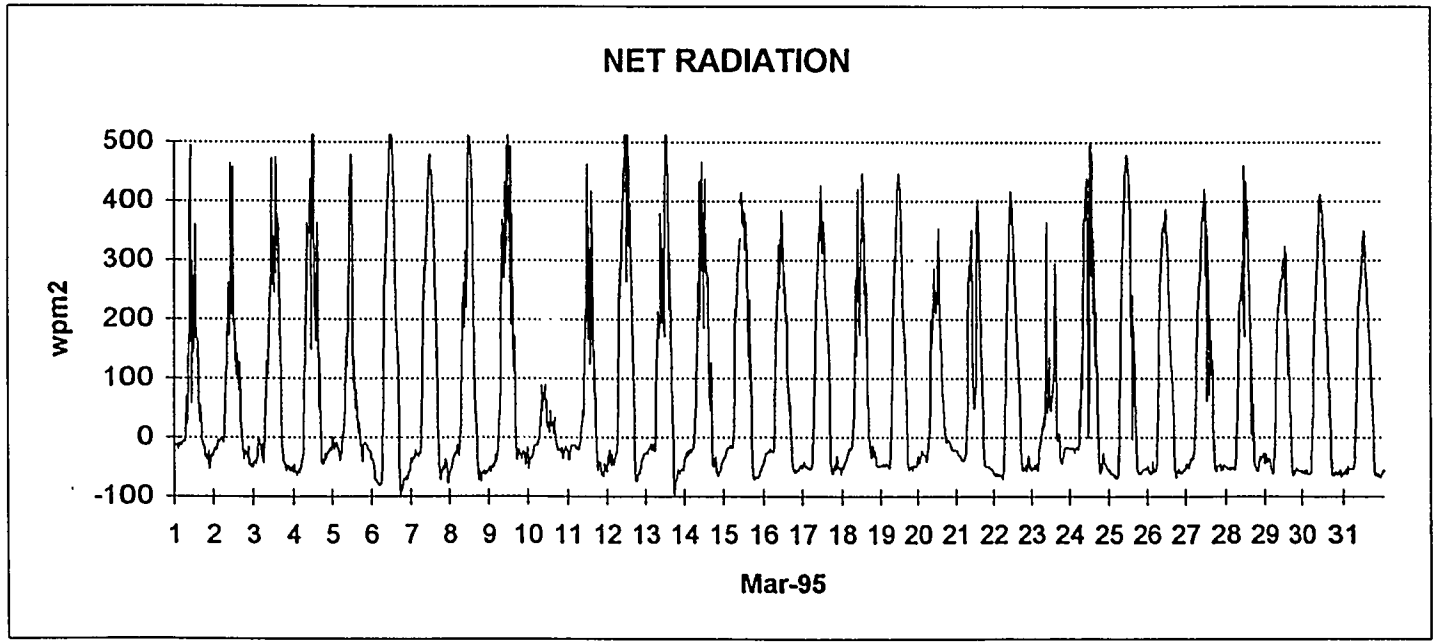

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28
Feb-95


2 METER TEMPERATURE
Deg C
30
25
20
15
10
5
0
-5
-10
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
Mar-95

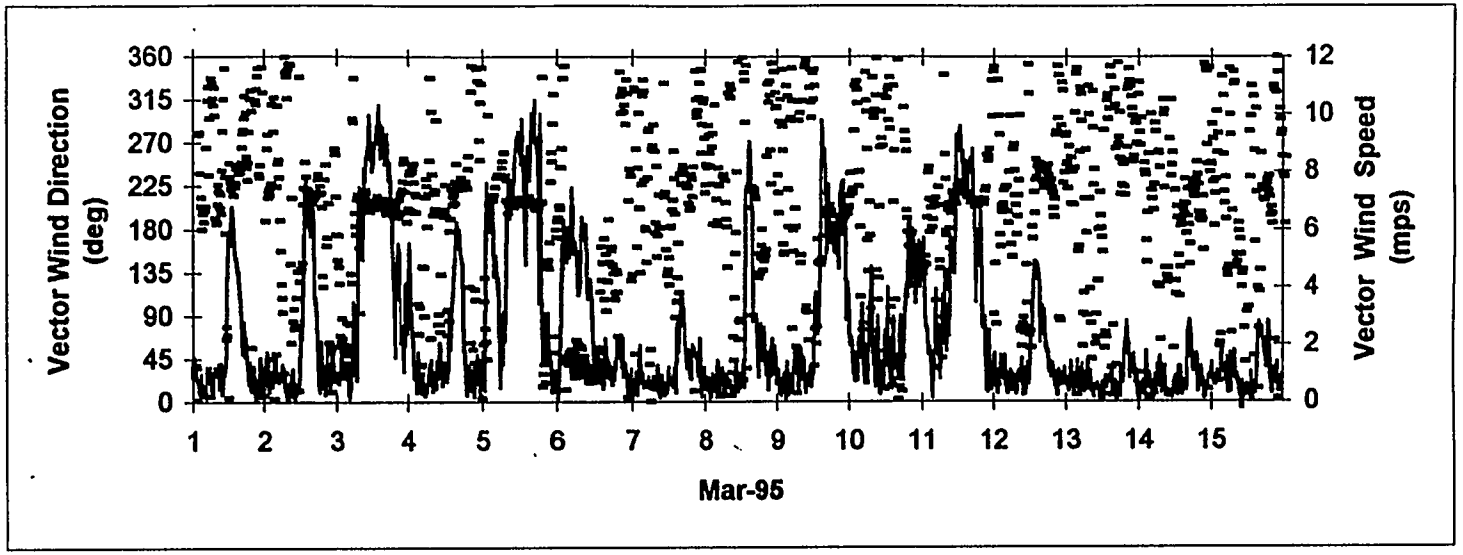

8 METER TEMPERATURE
Deg C
30
25
20
15
10
5
0
-5
-10
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Mar-95

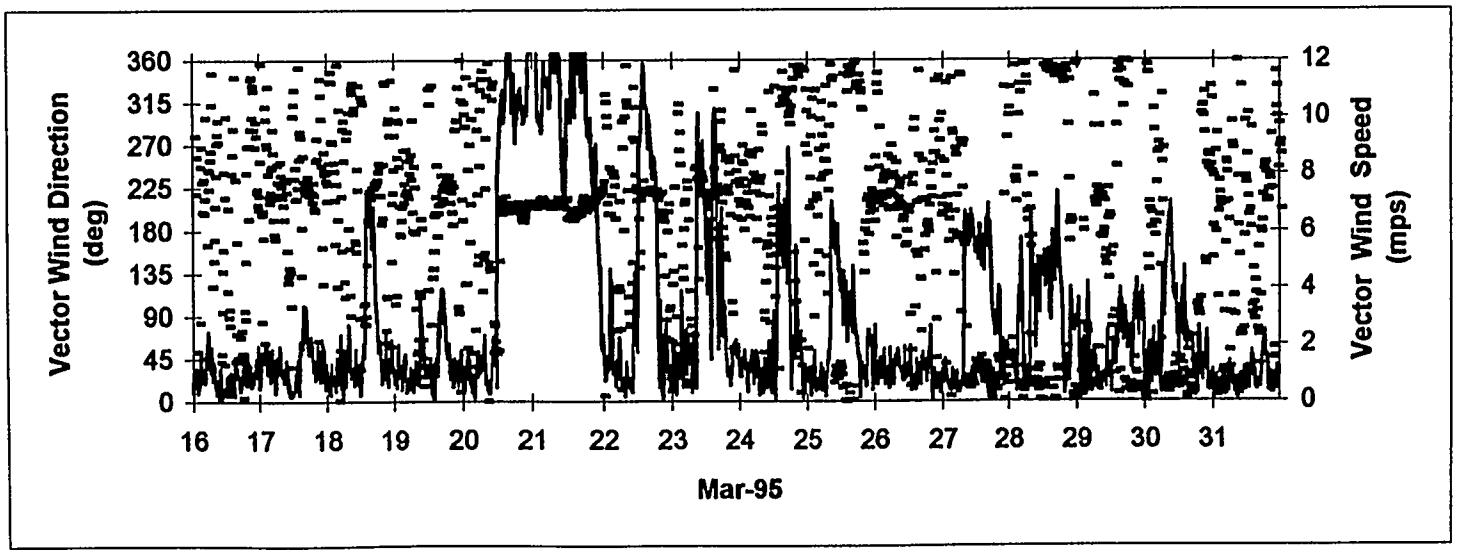

TEMPERATURE DIFFERENCE, 2 TO 16 METER
Deg C
8
6
4
2
0
-2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Mar-95


SOLAR RADIATION
wpm2
1200
1000
800
600
400
200
0
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
Mar-95

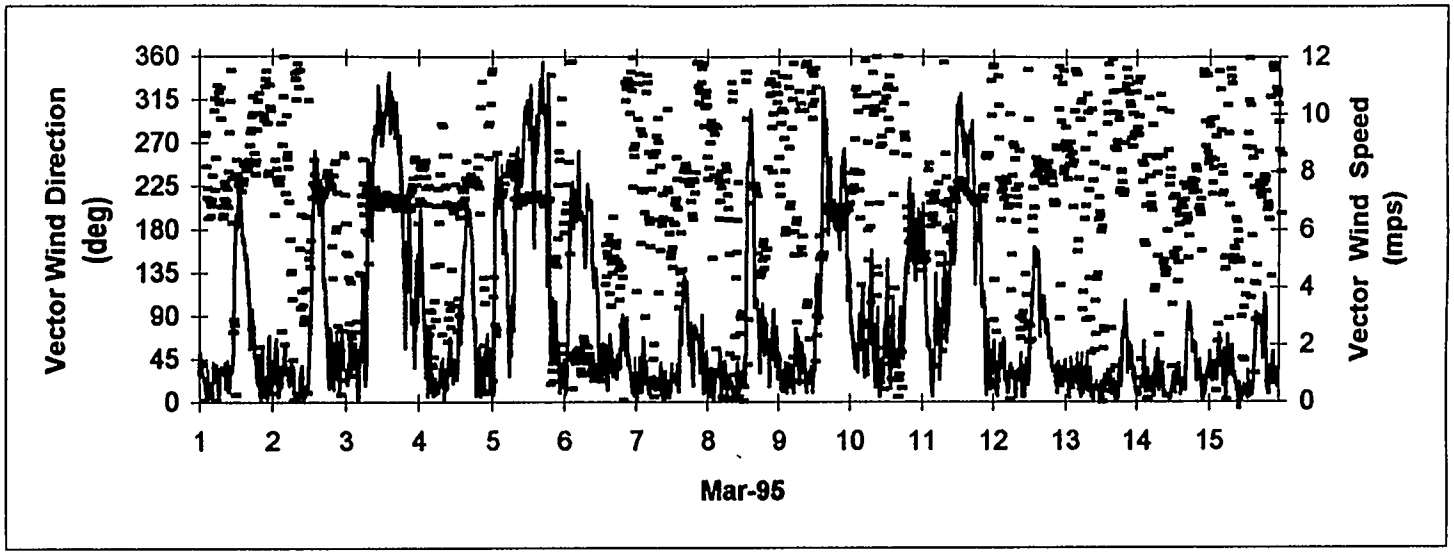

NET RADIATION
wpm2
500
400
300
200
100
0
-100
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Mar-95

2 METER


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Mar-95
Vector Wind Speed (mps)
12
10
8
6
4
2
0


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Mar-95
Vector Wind Speed (mps)
12
10
8
6
4
2
0

8 METER


Vector Wind Direction (deg)
360
315
270
225
180
135
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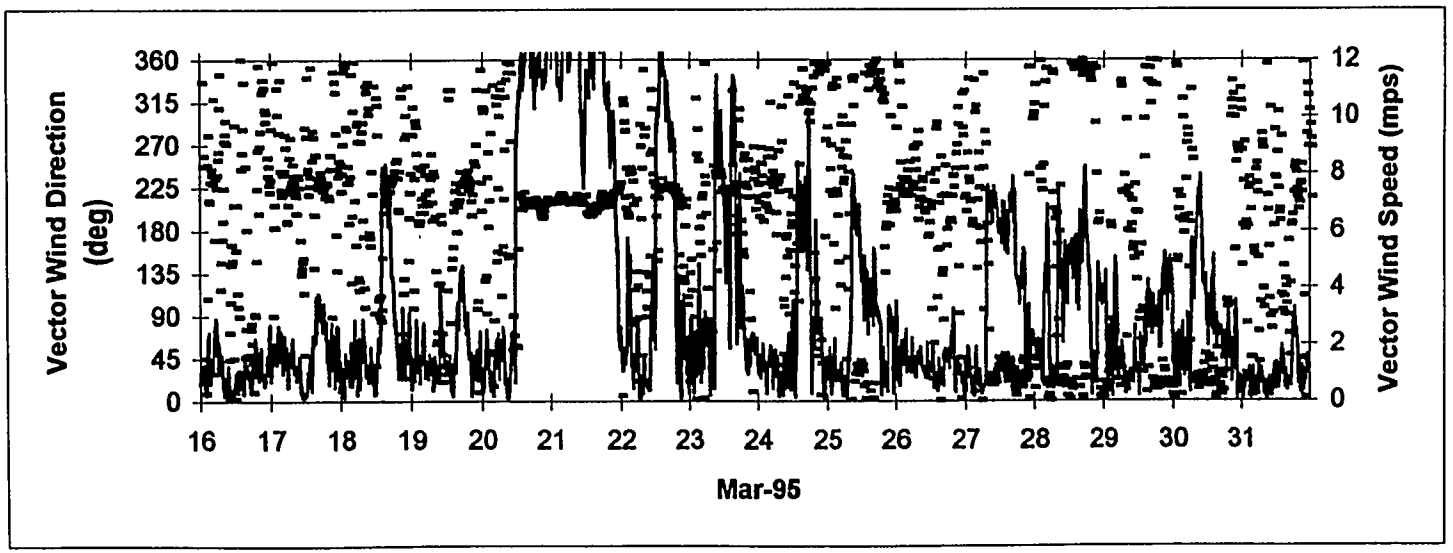
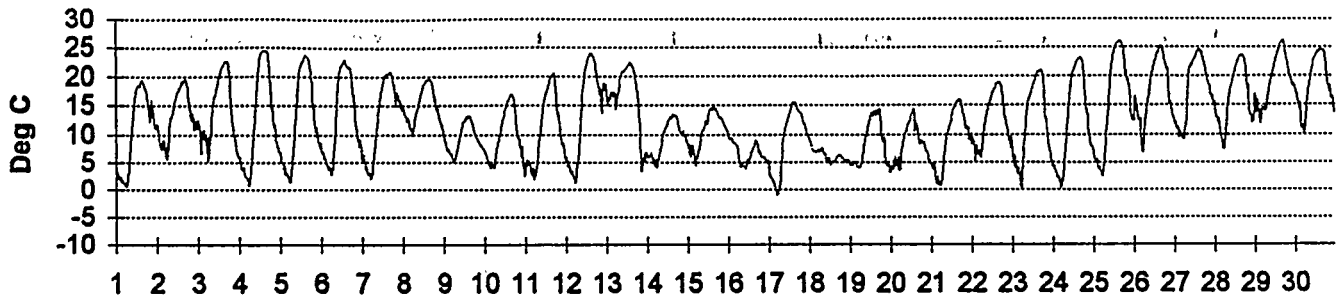
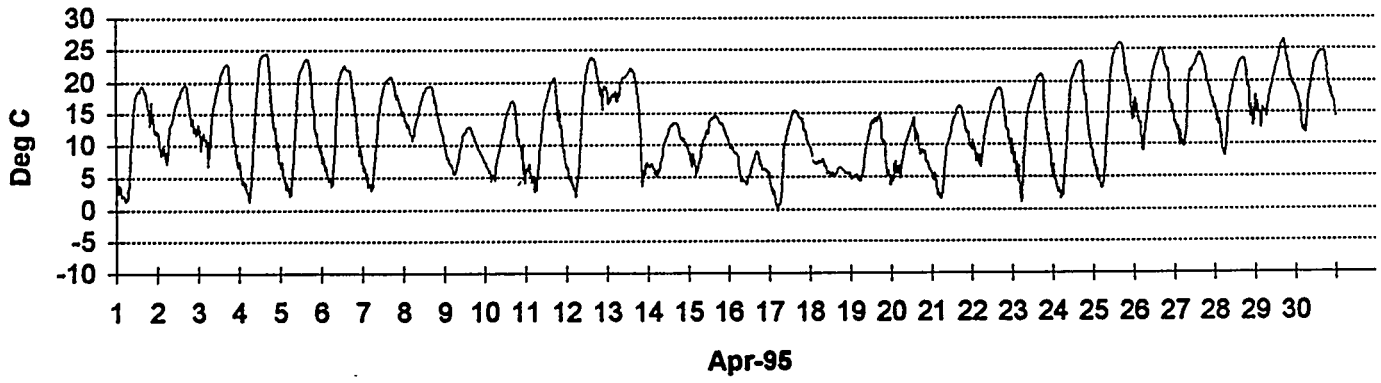
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Mar-95


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Mar-95

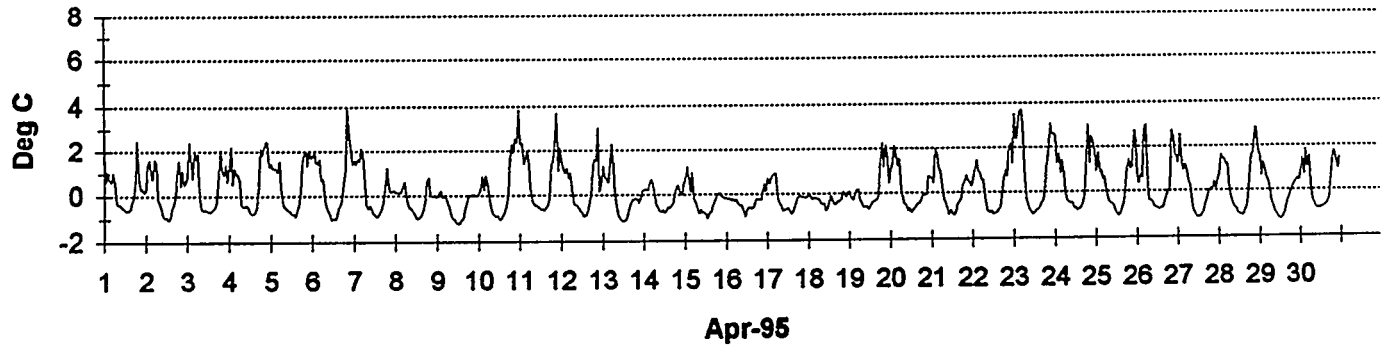
## 2 METER TEMPERATURE

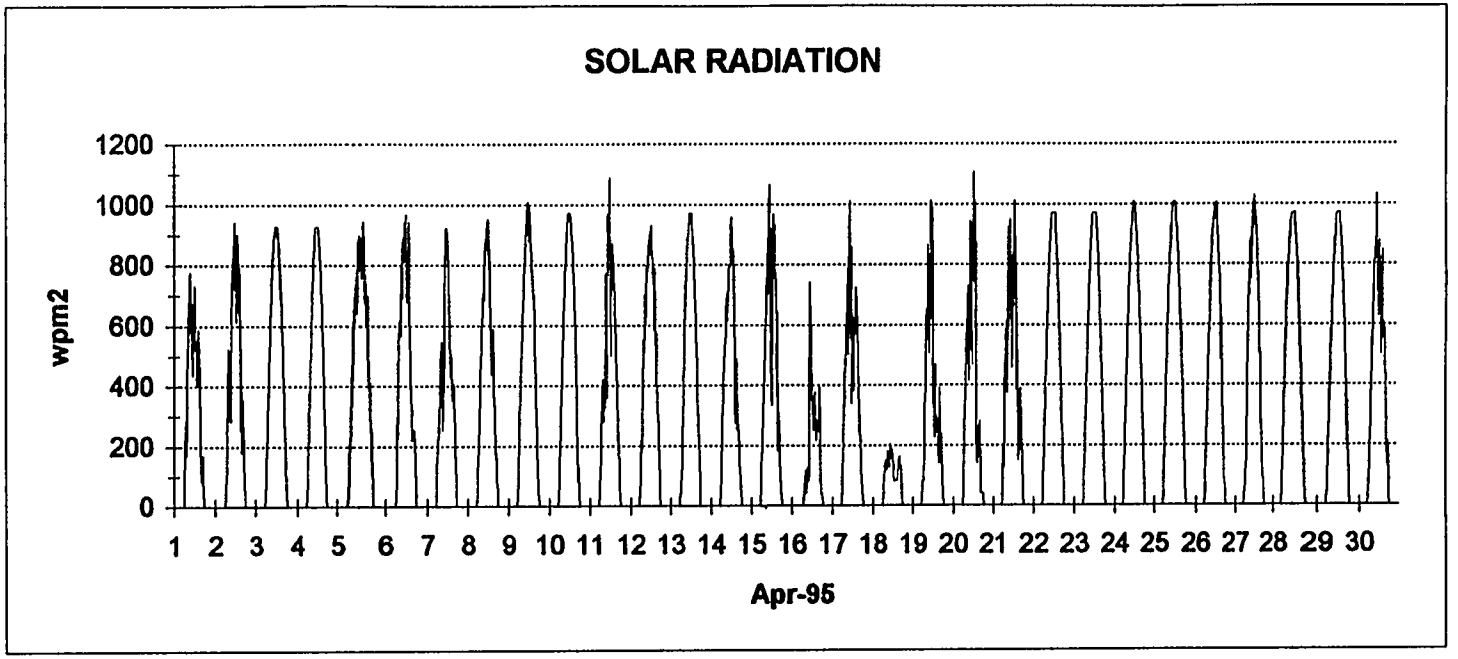


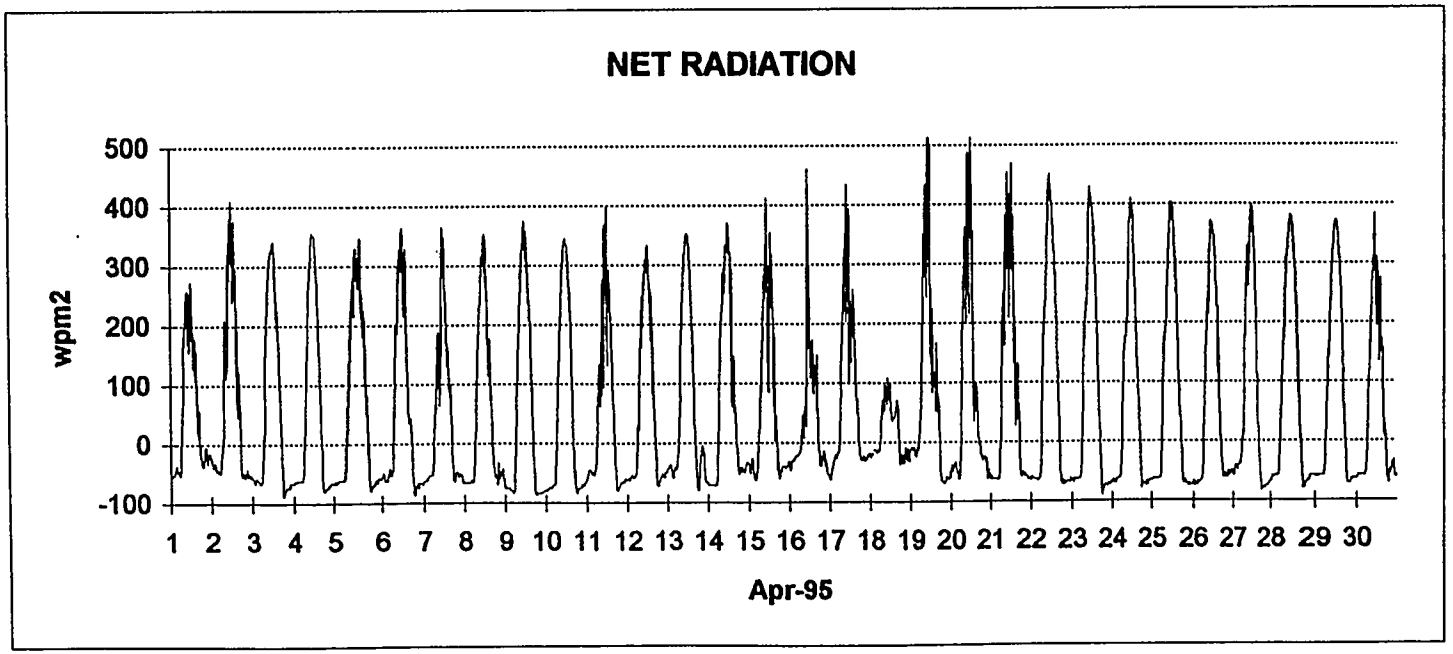

## 8 METER TEMPERATURE



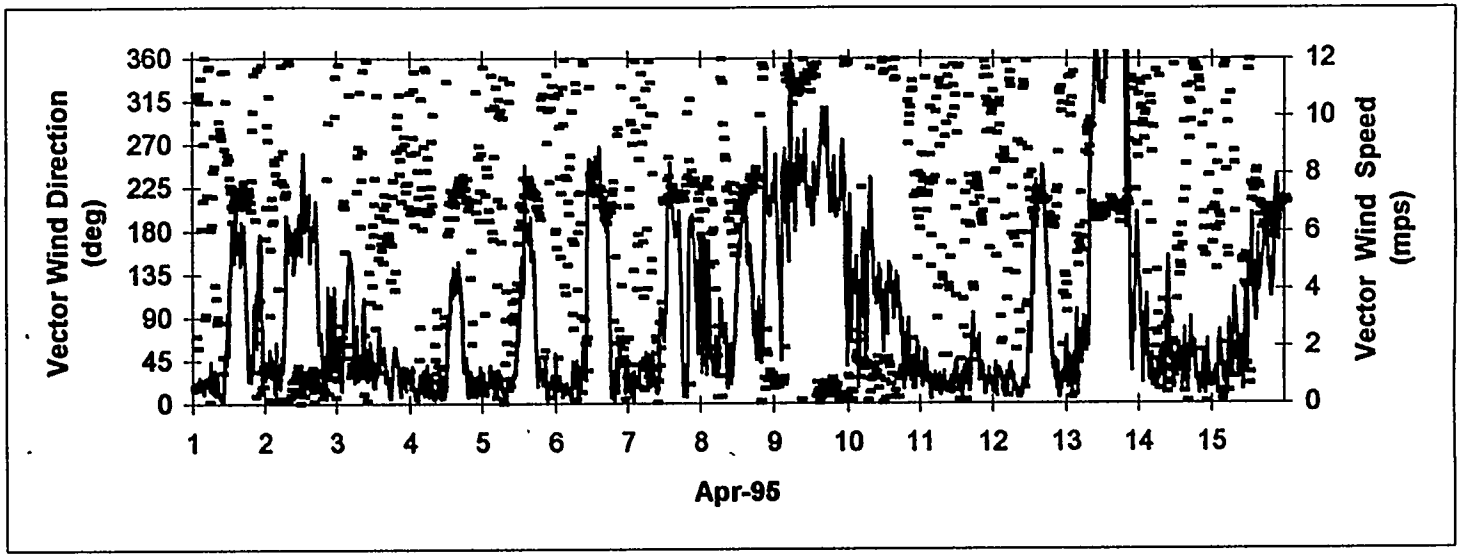

## TEMPERATURE DIFFERENCE, 2 TO 16 METER

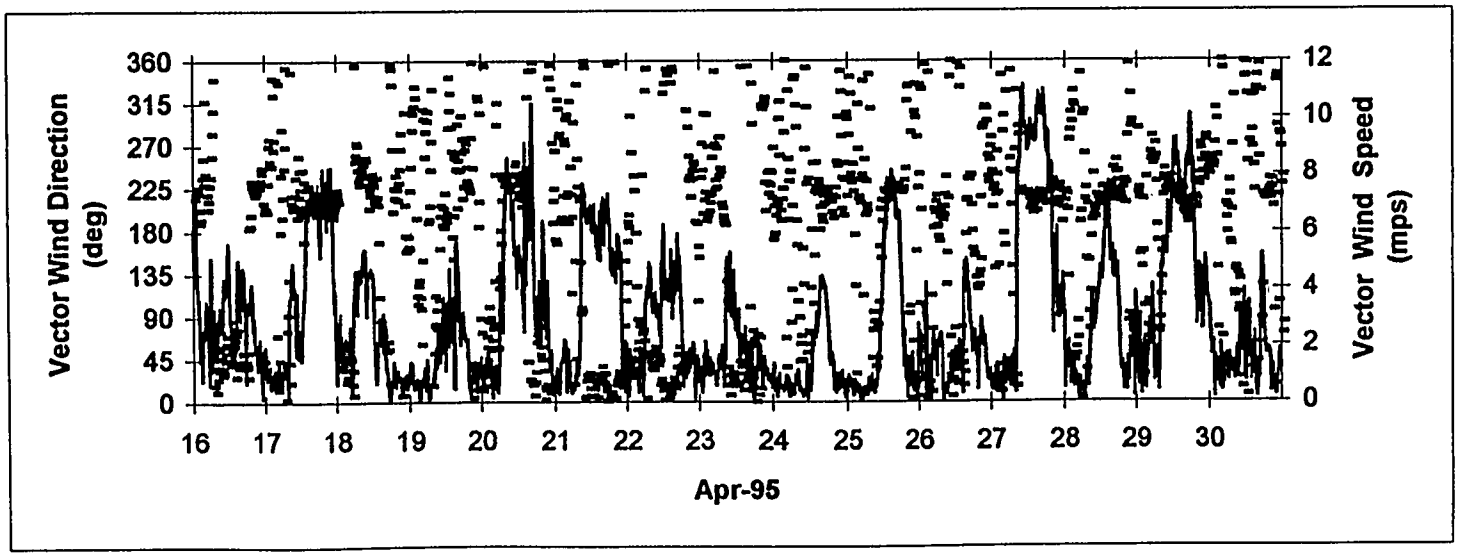



SOLAR RADIATION
wpm2
1200
1000
800
600
400
200
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Apr-95

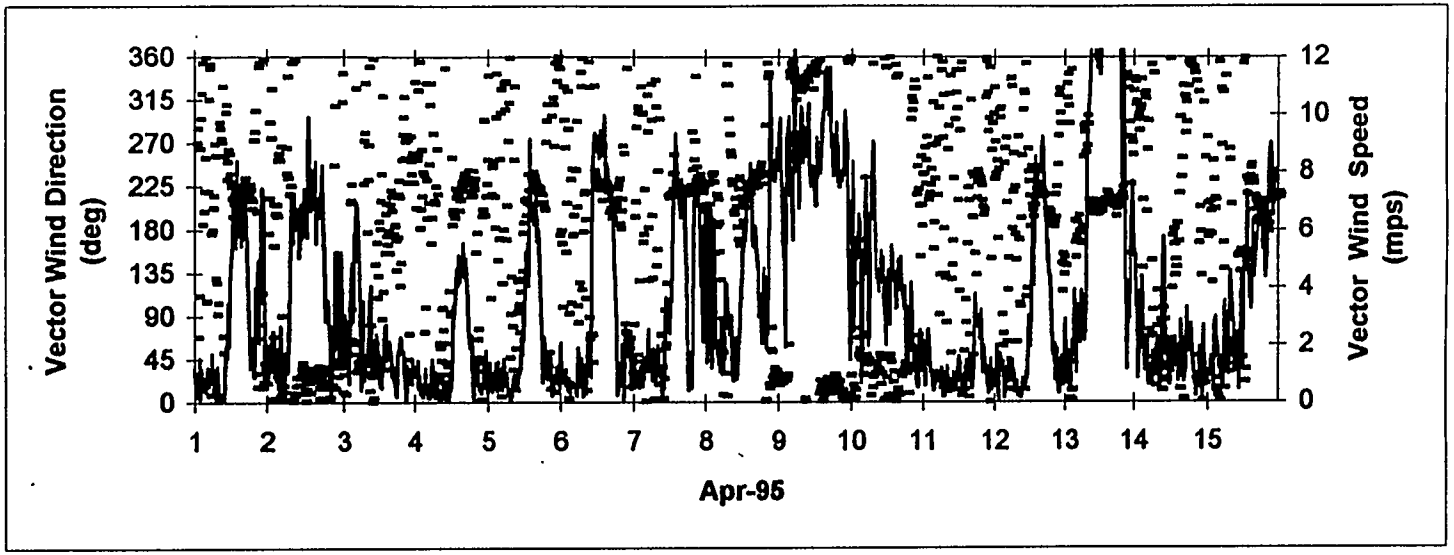

NET RADIATION
wpm2
500
400
300
200
100
0
-100
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Apr-95

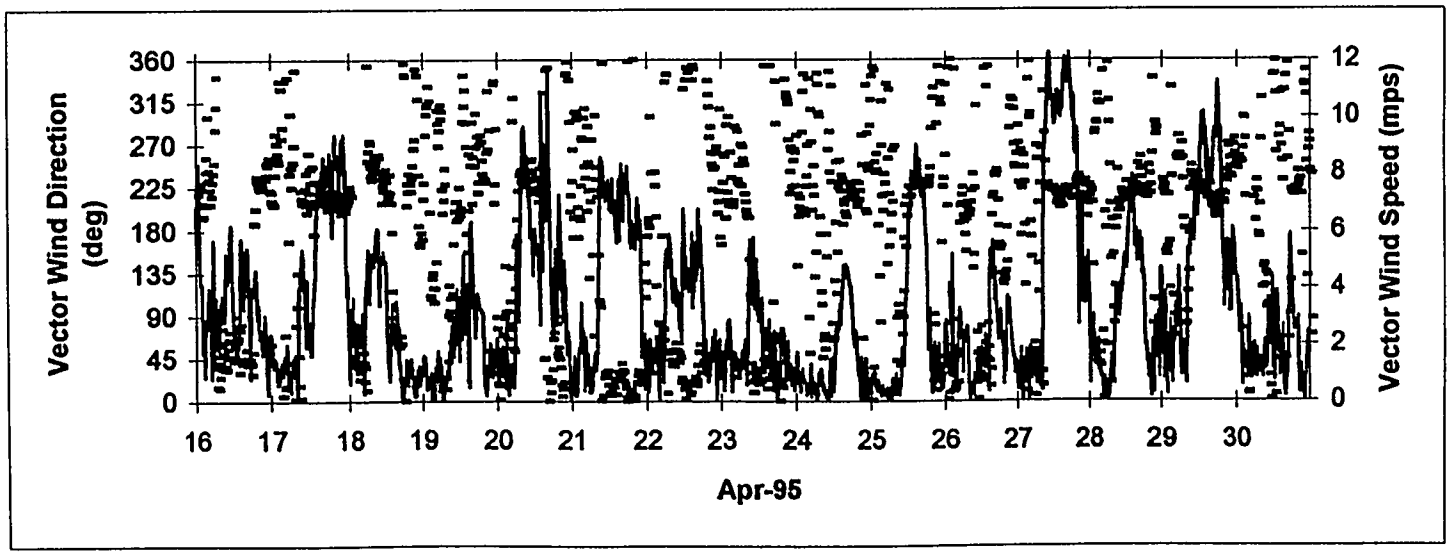
2 METER


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Apr-95

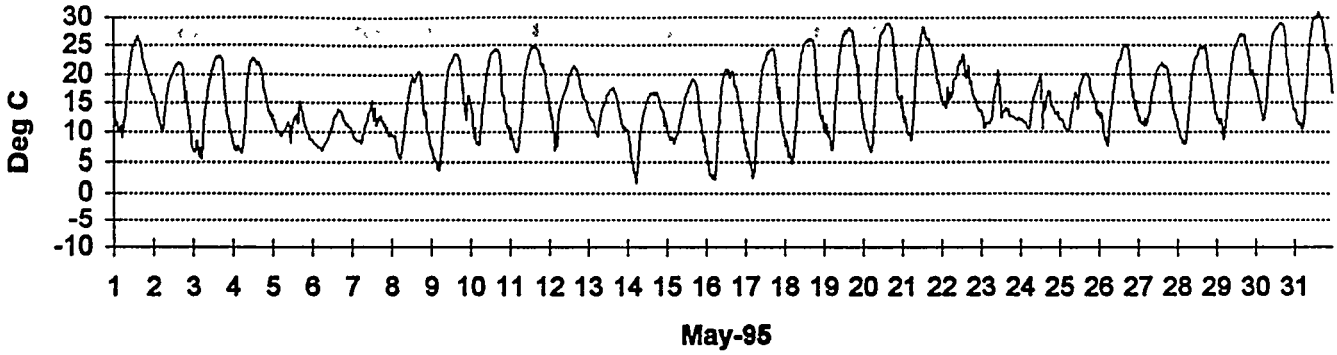

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Apr-95

8 METER

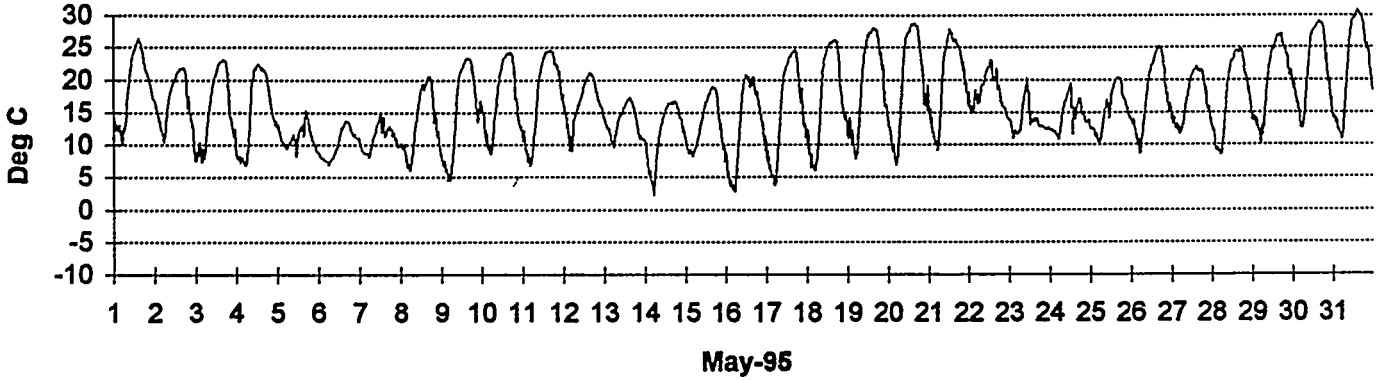

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Apr-95


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Apr-95

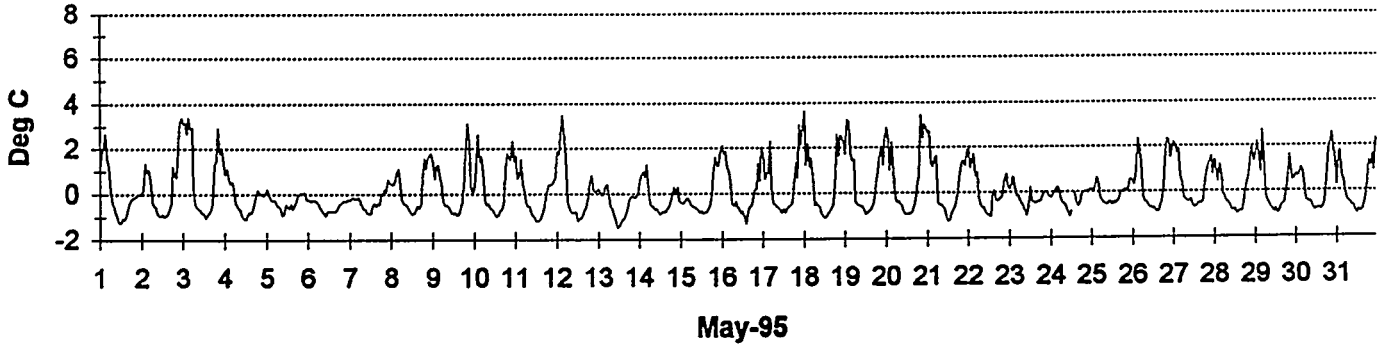
## 2 METER TEMPERATURE

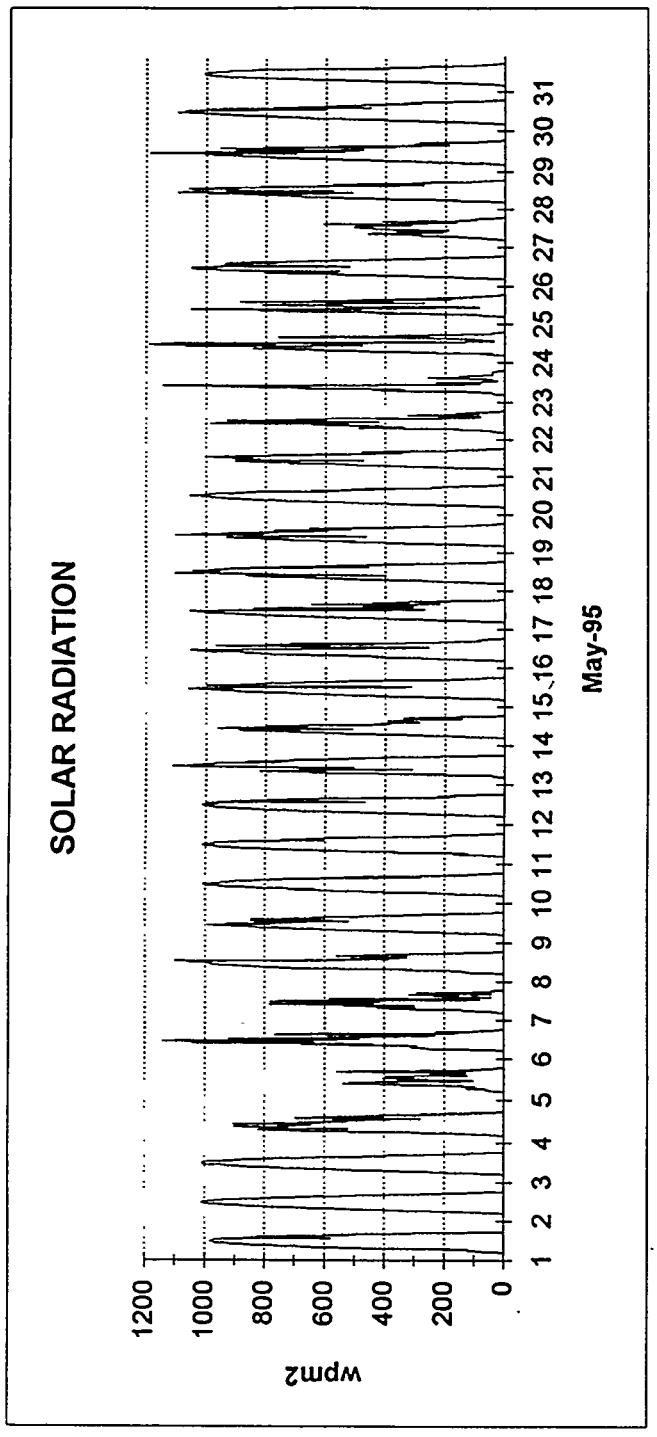


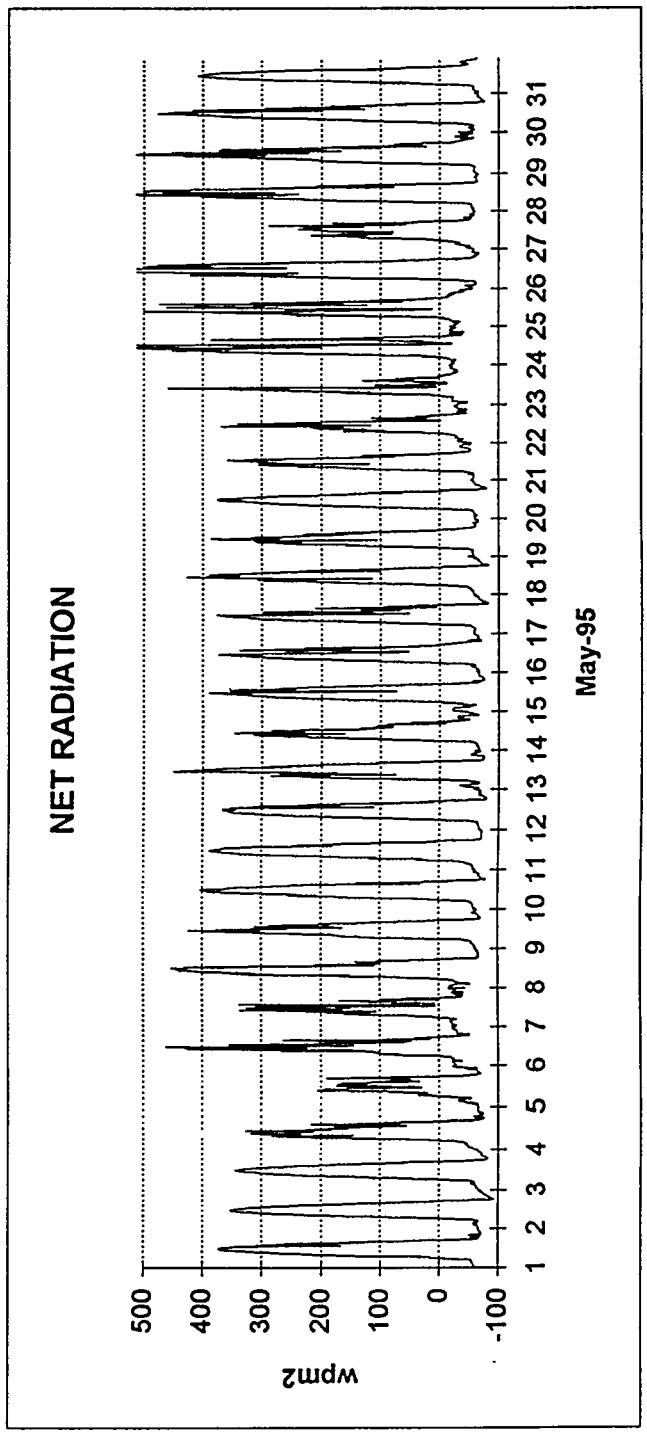

## 8 METER TEMPERATURE



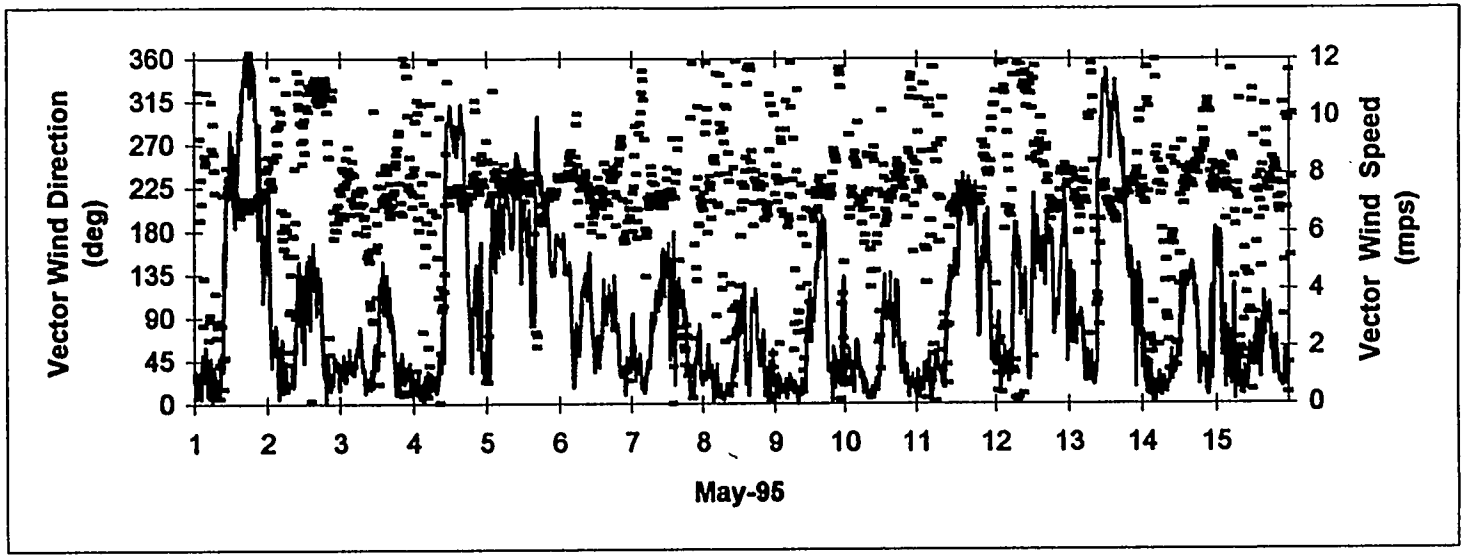

## TEMPERATURE DIFFERENCE, 2 TO 16 METER

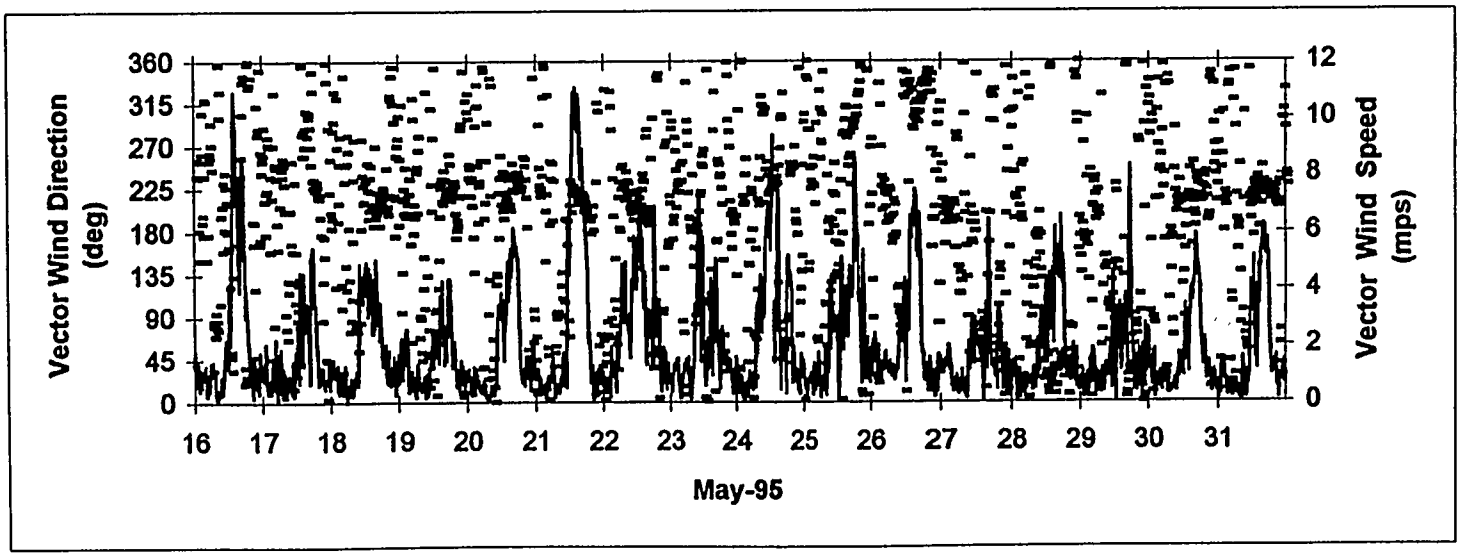



SOLAR RADIATION
wpm2
1200
1000
800
600
400
200
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
May-95

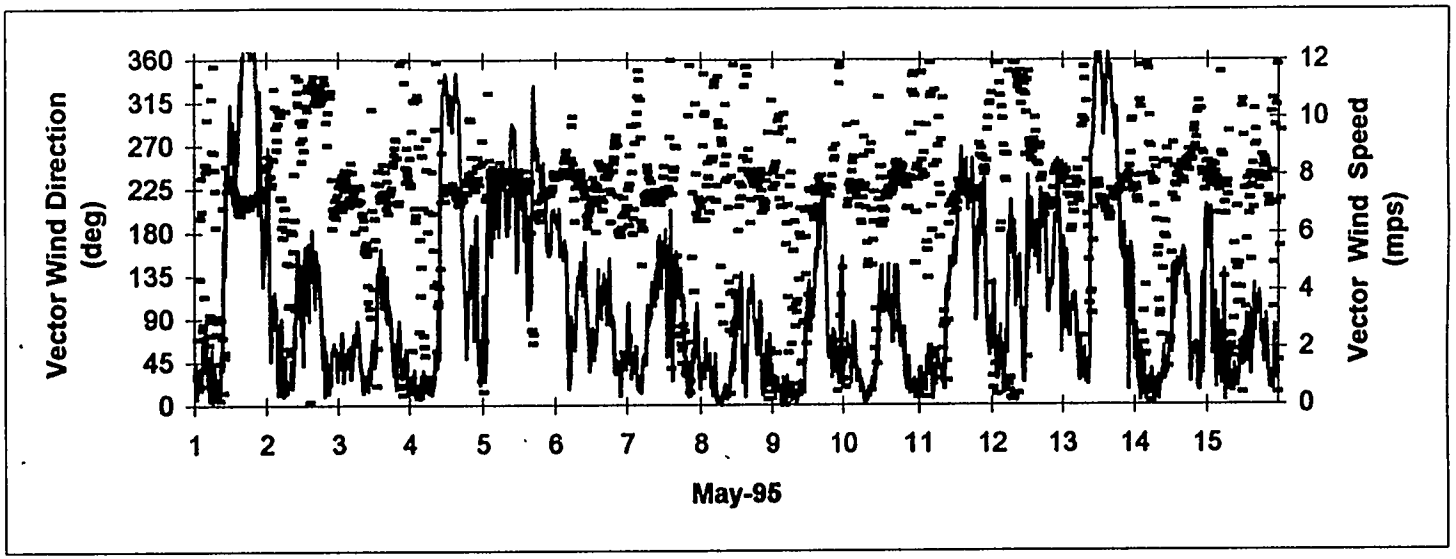

NET RADIATION
wpm2
500
400
300
200
100
0
-100
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
May-95

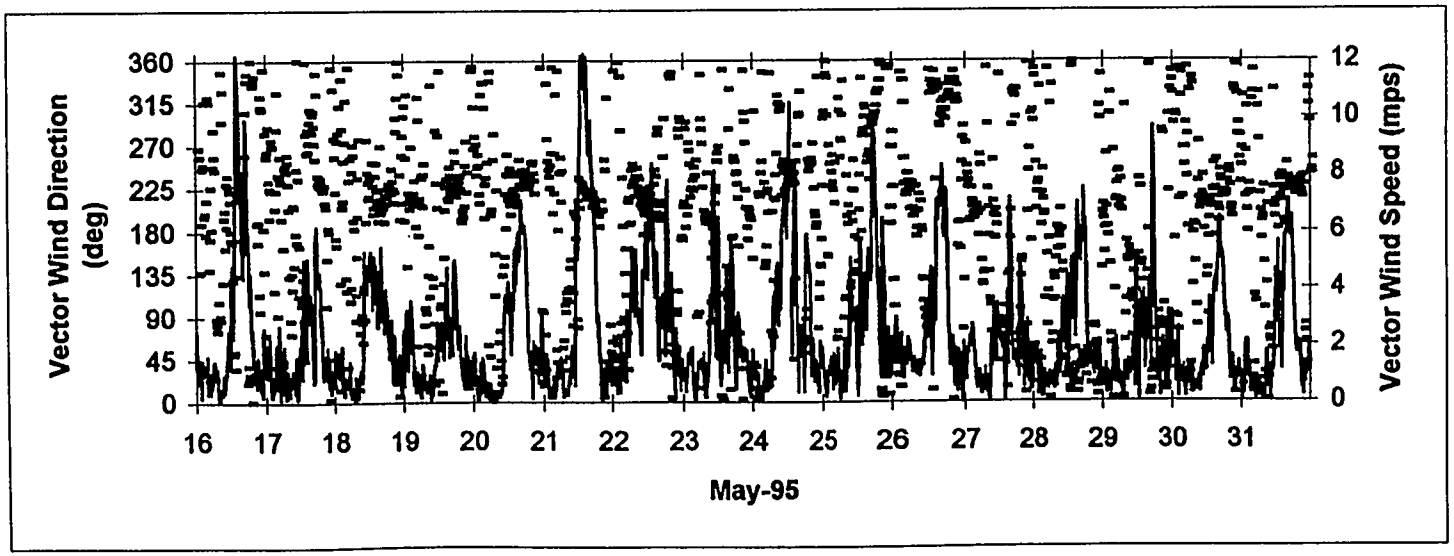
2 METER


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
May-95

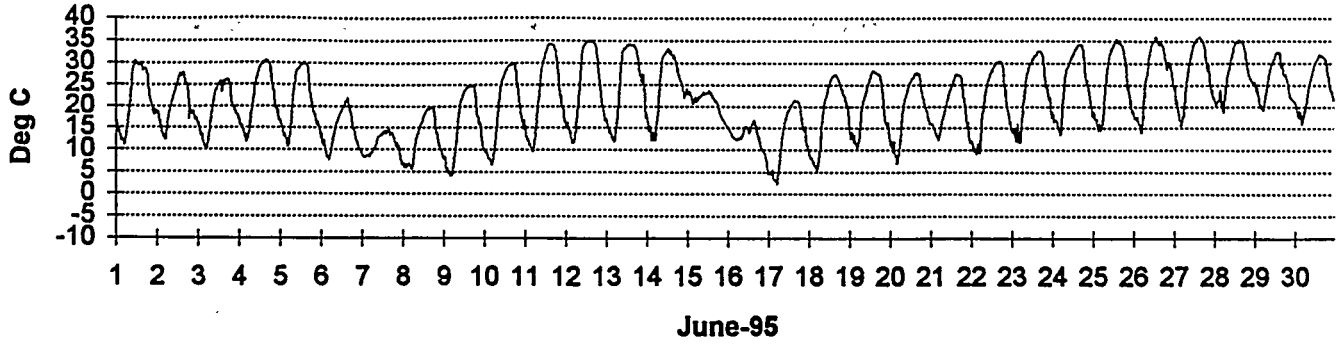

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
May-95

8 METER

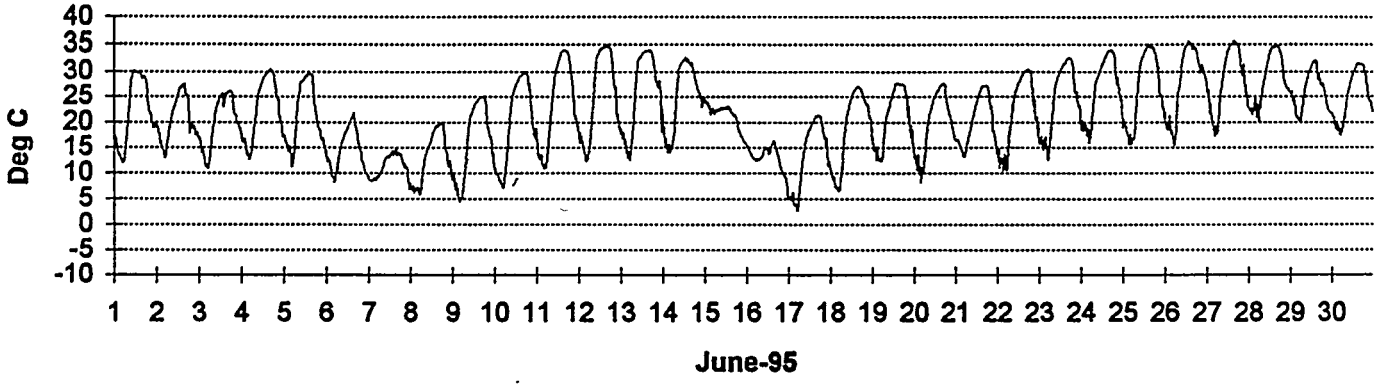

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
May-95


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
May-95

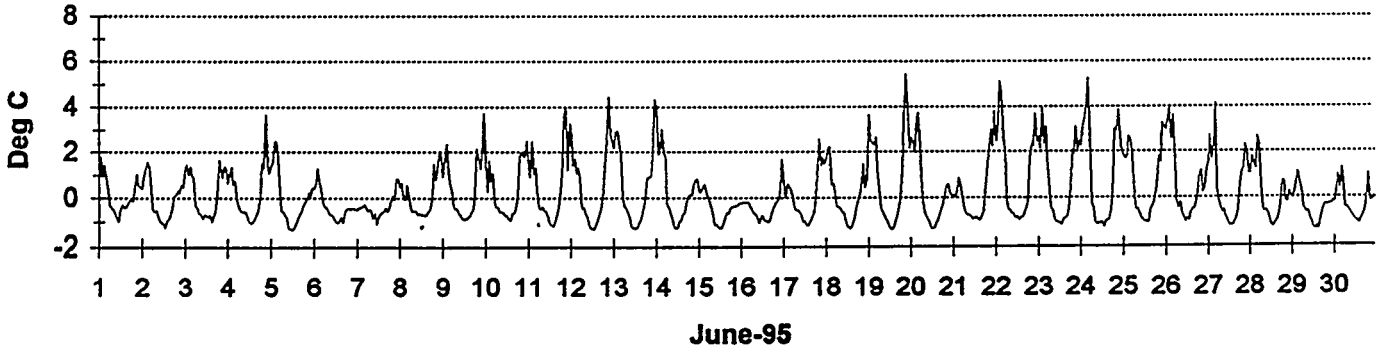
## 2 METER TEMPERATURE

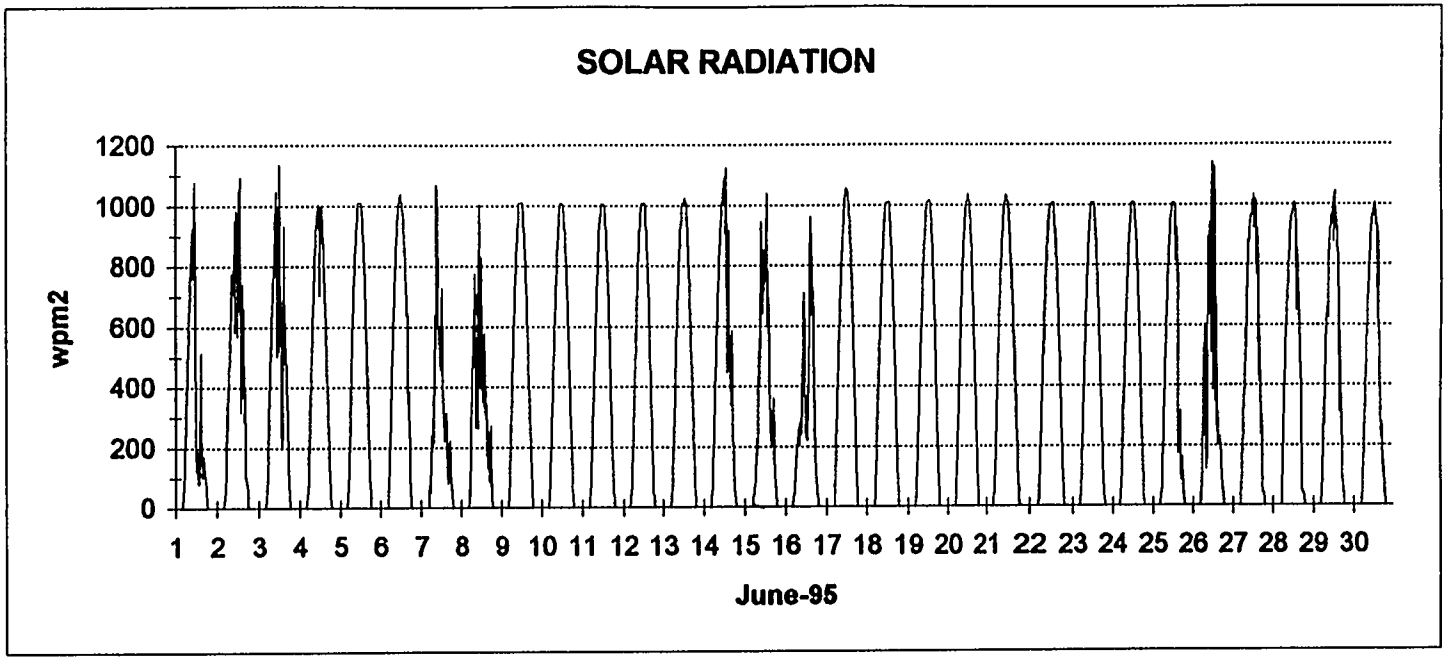


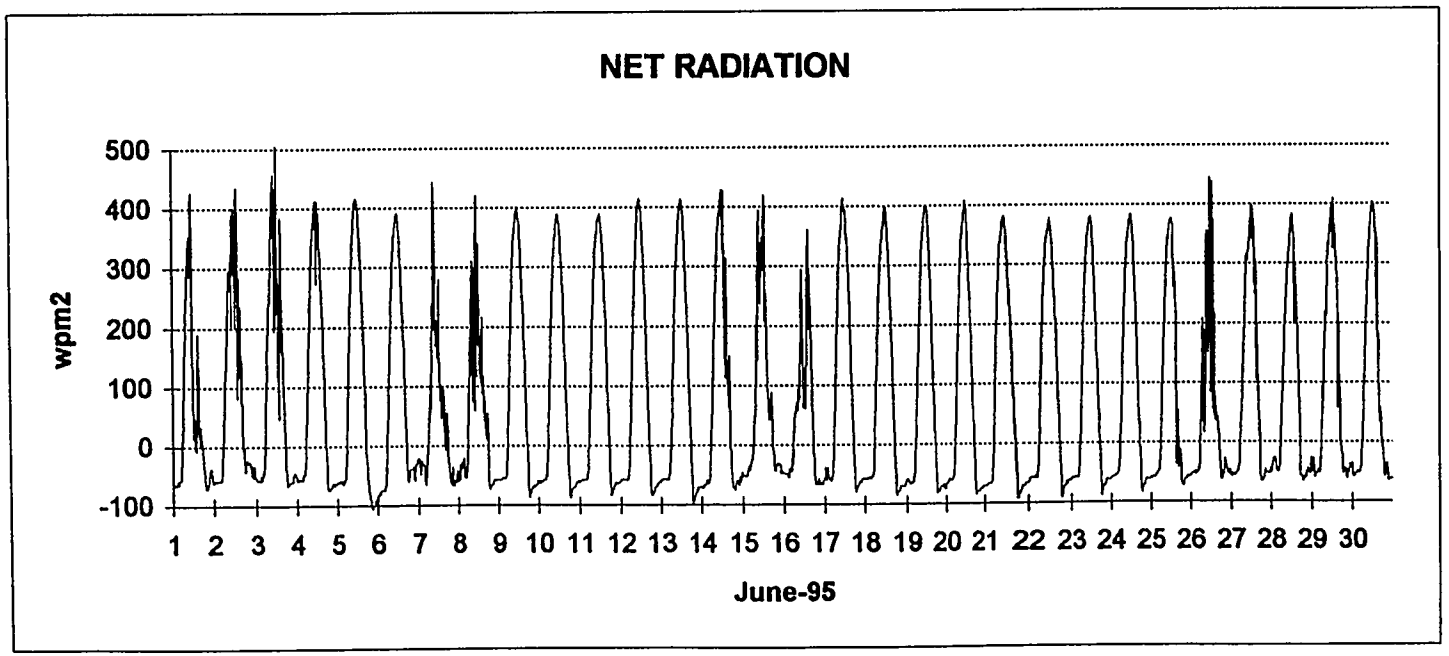

## 8 METER TEMPERATURE



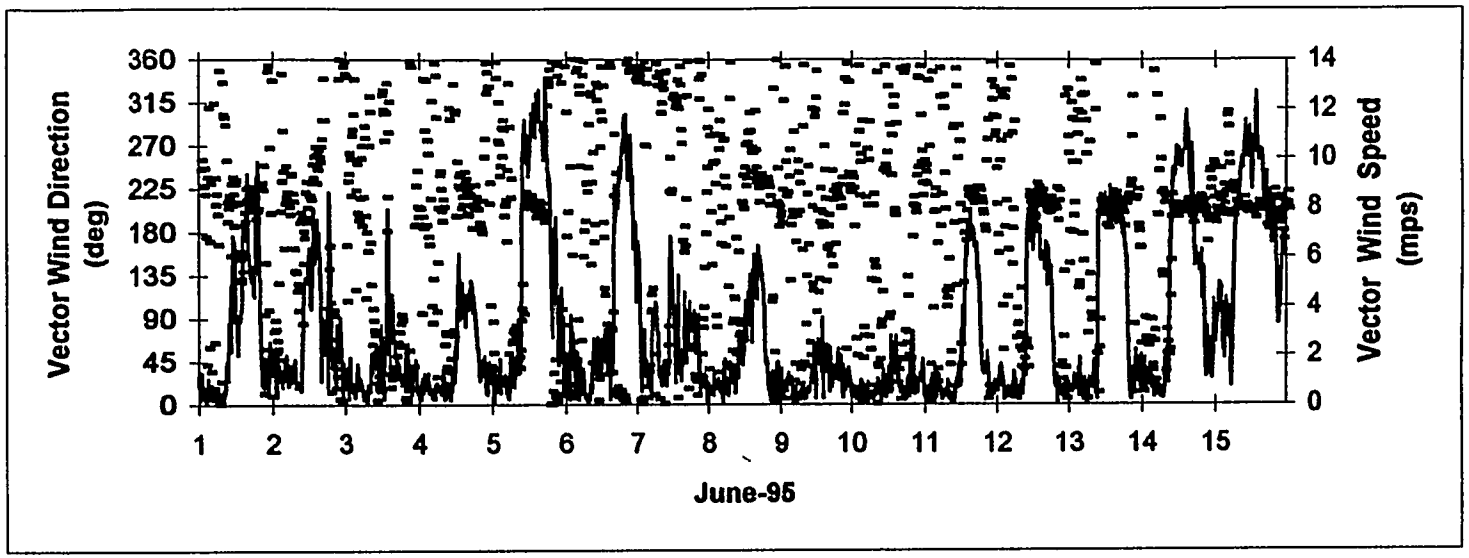

## TEMPERATURE DIFFERENCE, 2 TO 16 METER

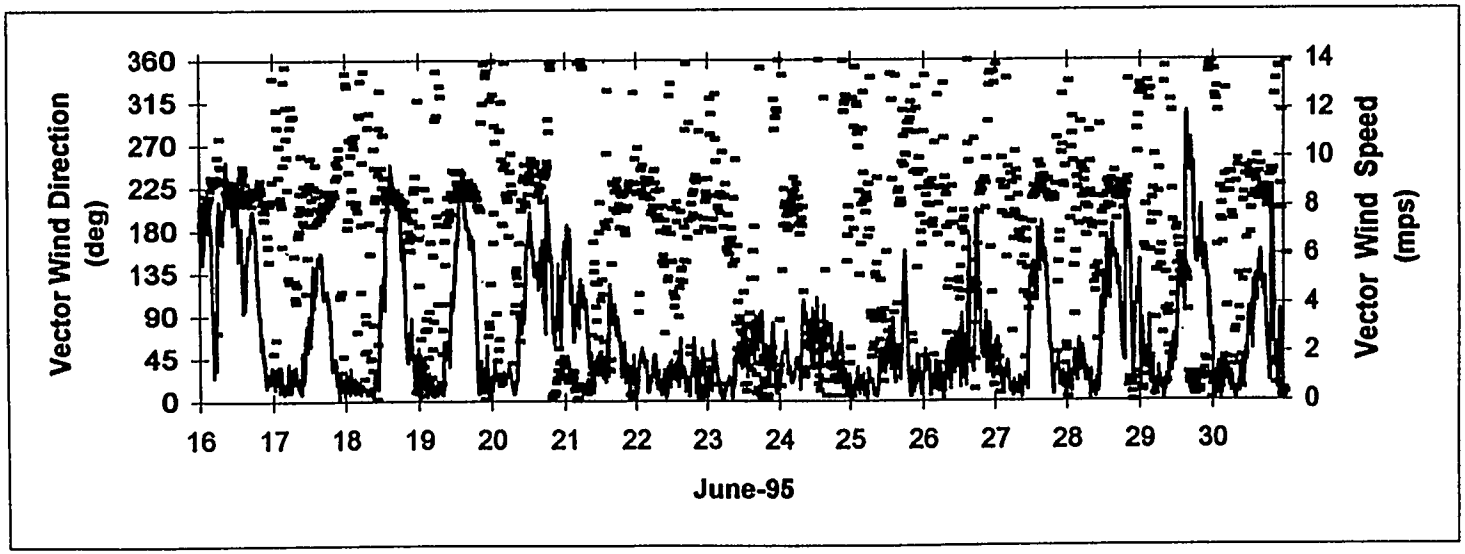



SOLAR RADIATION
wpm2
1200
1000
800
600
400
200
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
June-95

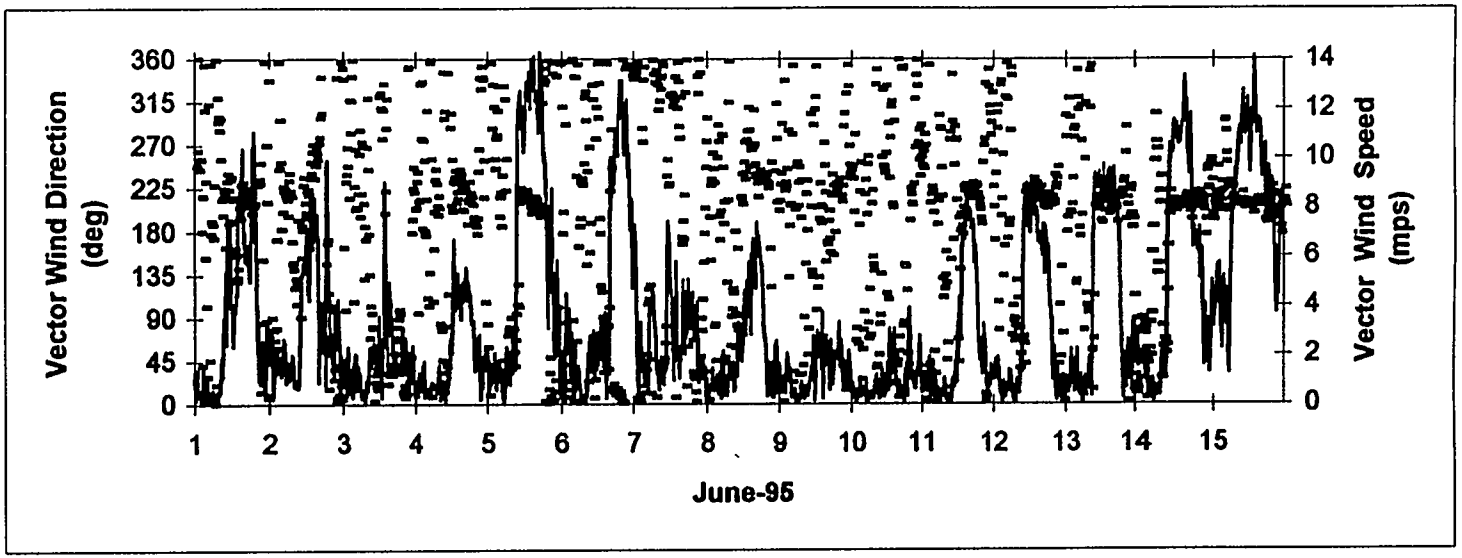

NET RADIATION
wpm2
500
400
300
200
100
0
-100
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
June-95

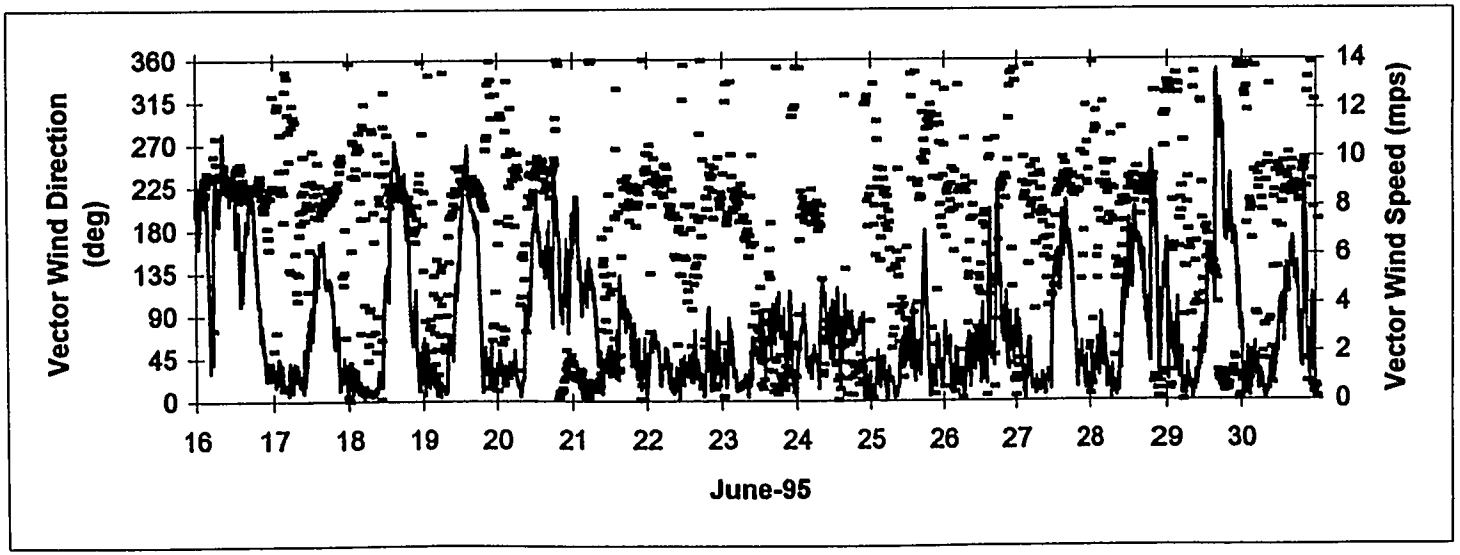
2 METER


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
14
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
June-95

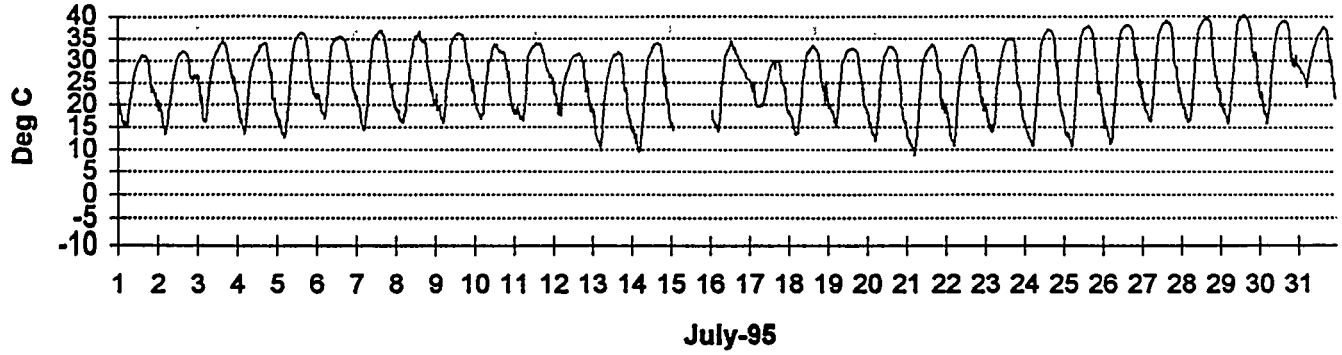

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
14
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
June-95

8 METER

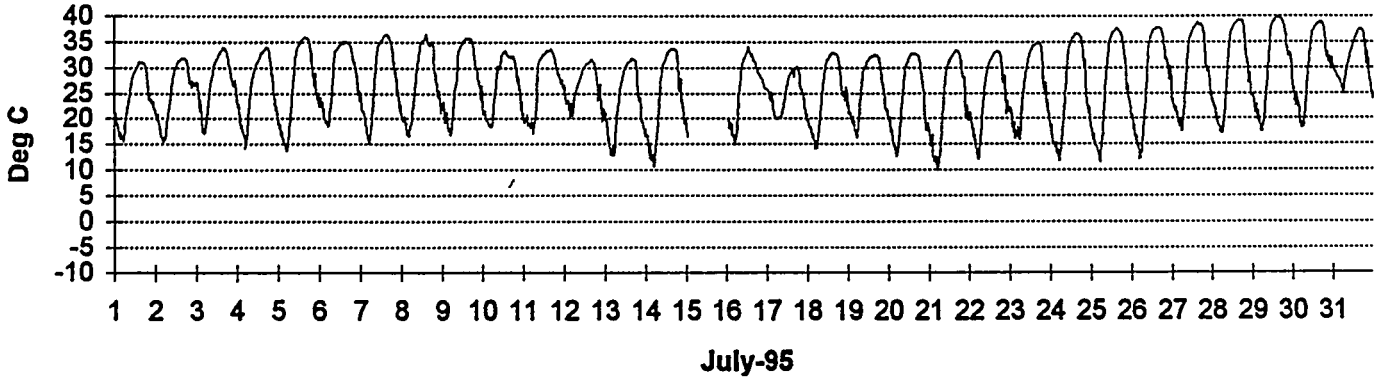

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
June-95
Vector Wind Speed (mps)
14
12
10
8
6
4
2
0


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
June-95
Vector Wind Speed (mps)
14
12
10
8
6
4
2
0

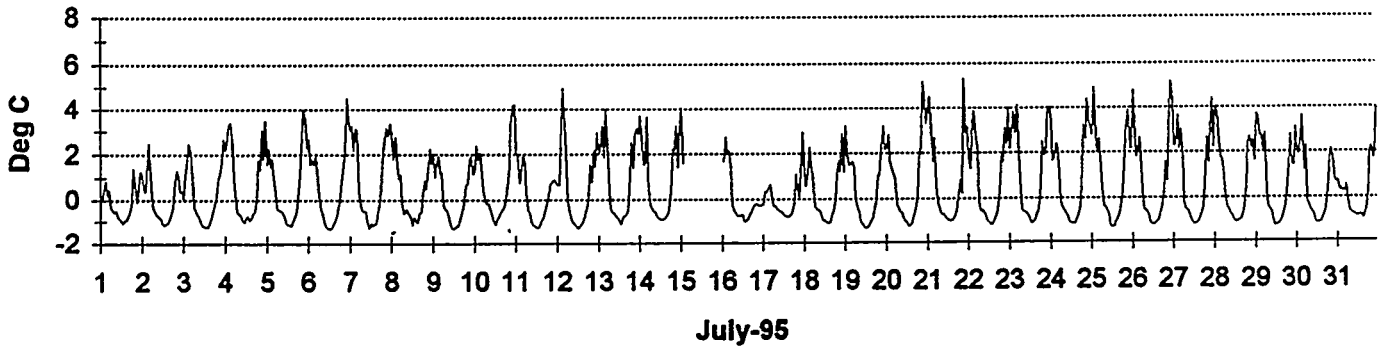
## 2 METER TEMPERATURE

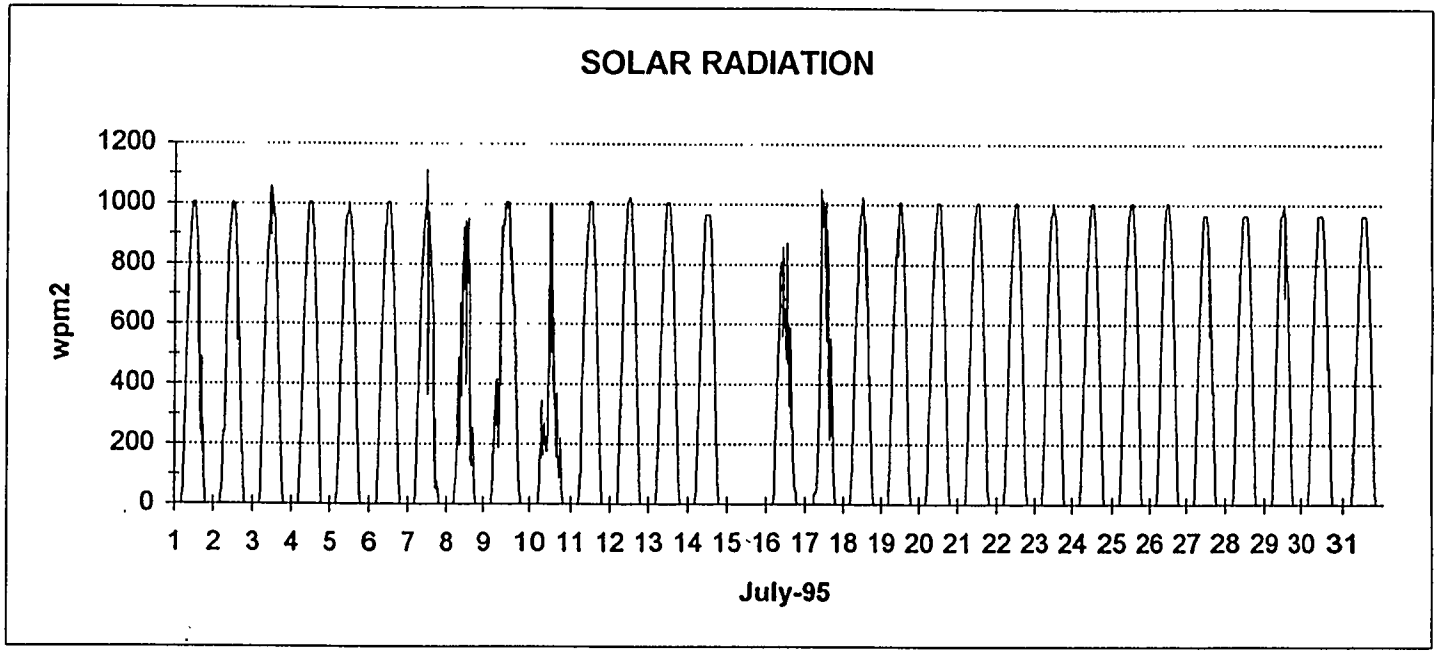


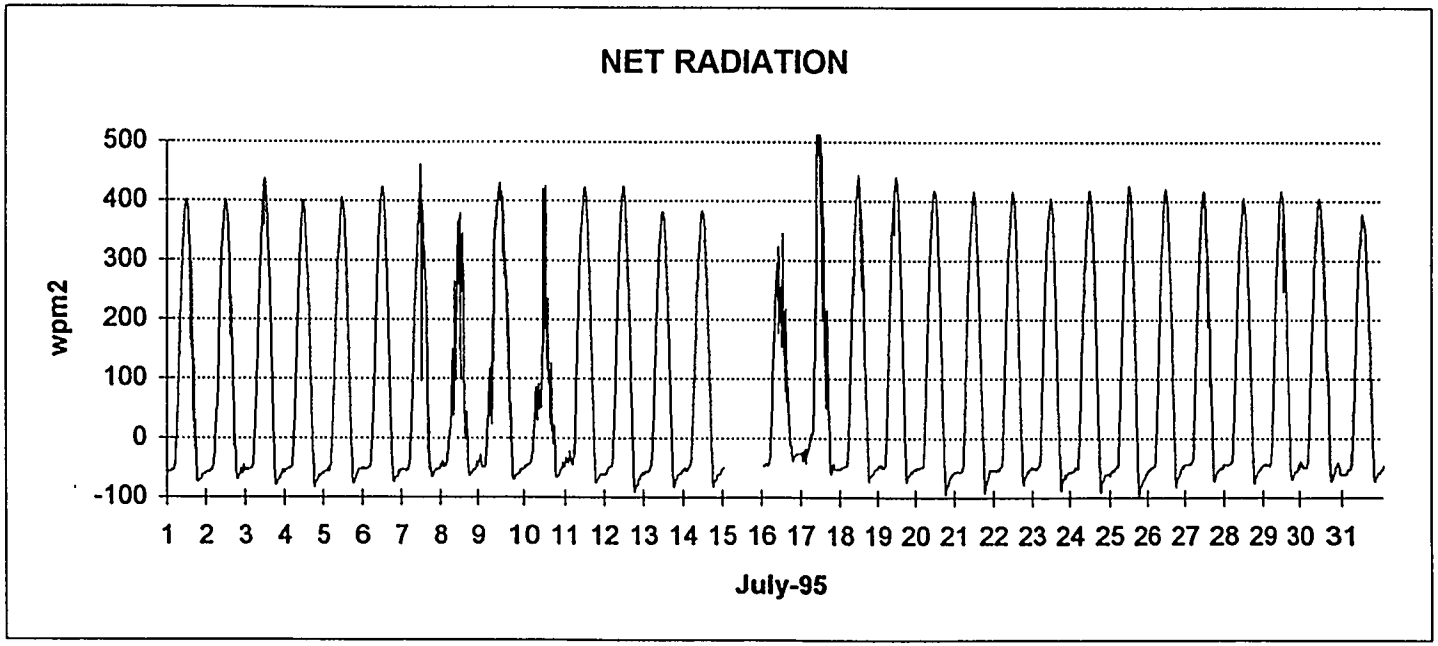

## 8 METER TEMPERATURE



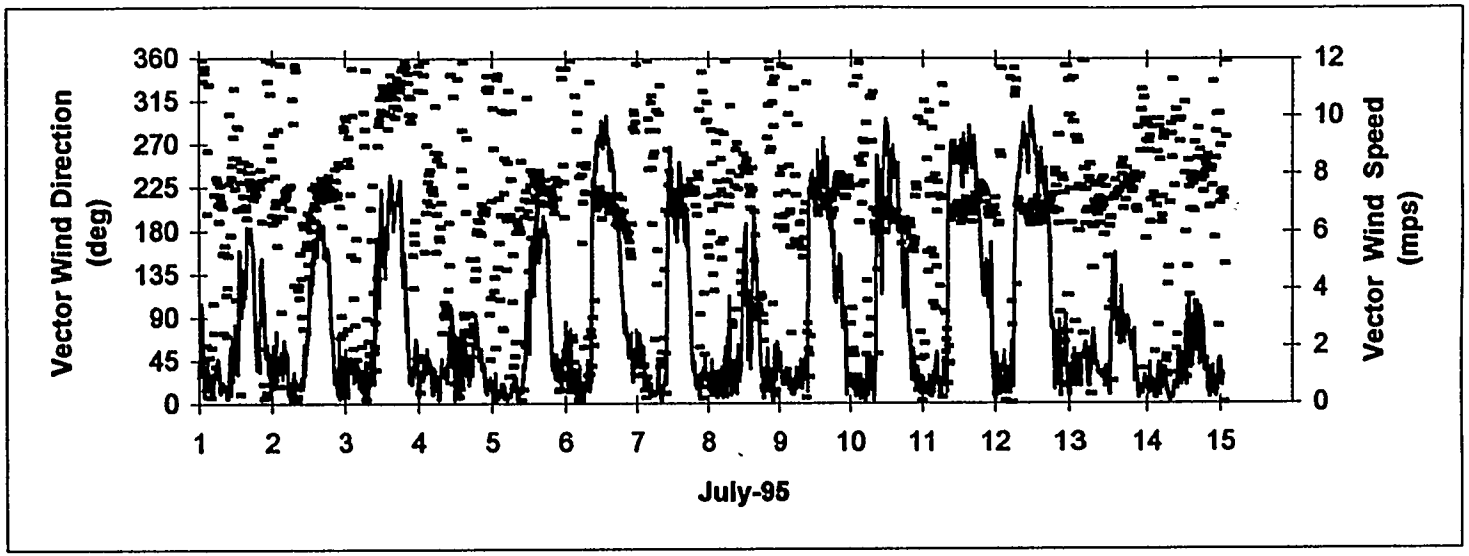

## TEMPERATURE DIFFERENCE, 2 TO 16 METER

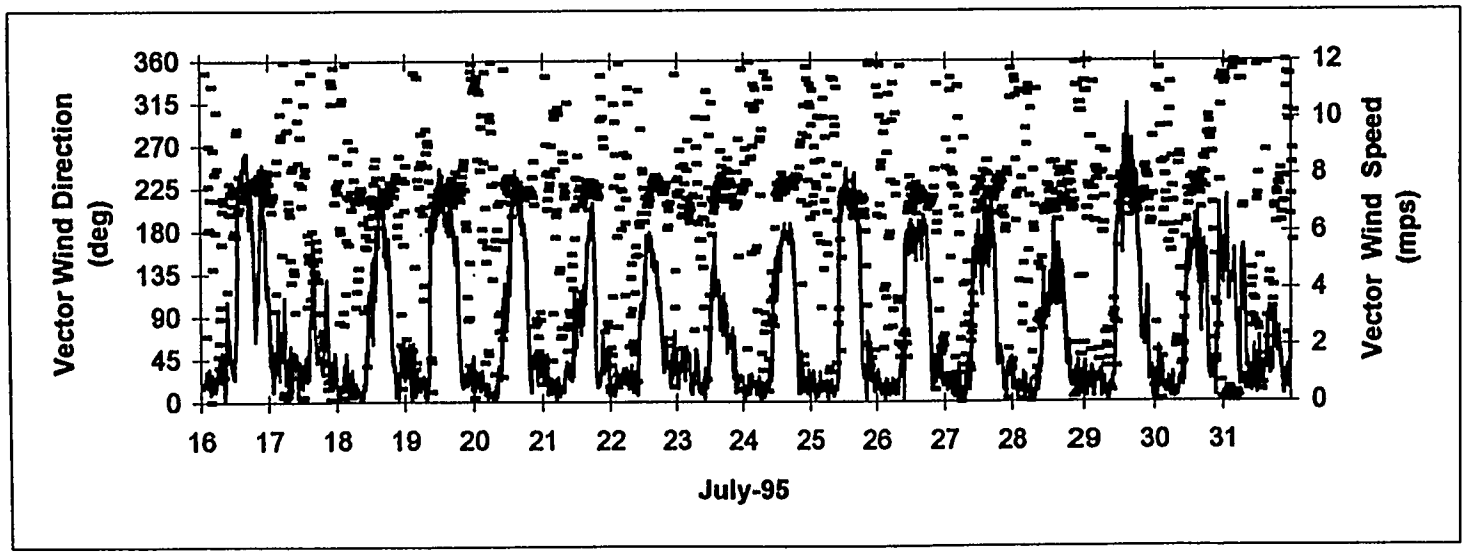



SOLAR RADIATION
wpm2
1200
1000
800
600
400
200
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
July-95

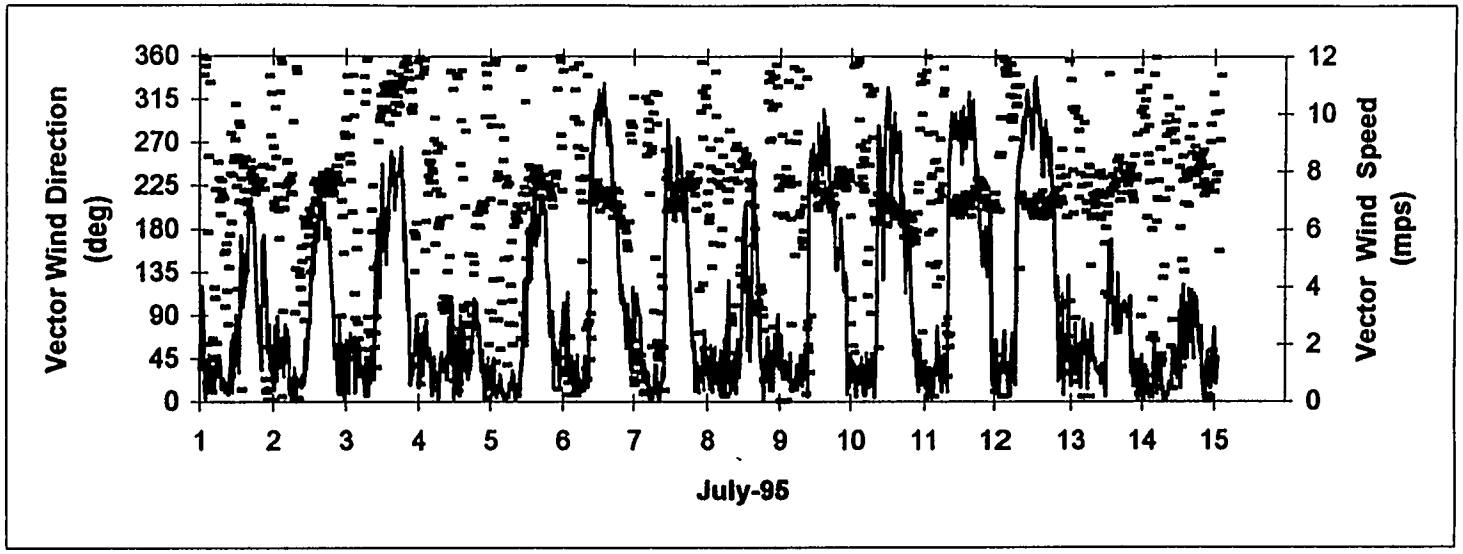

NET RADIATION
wpm2
500
400
300
200
100
0
-100
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
July-95

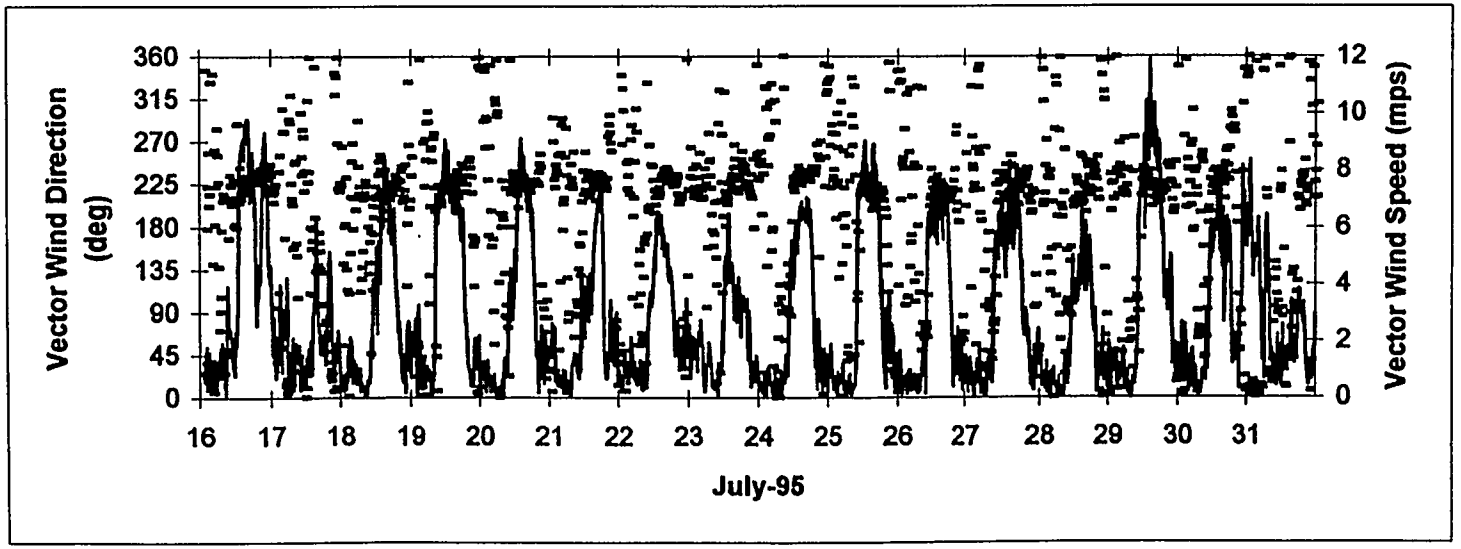
2 METER


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
July-95

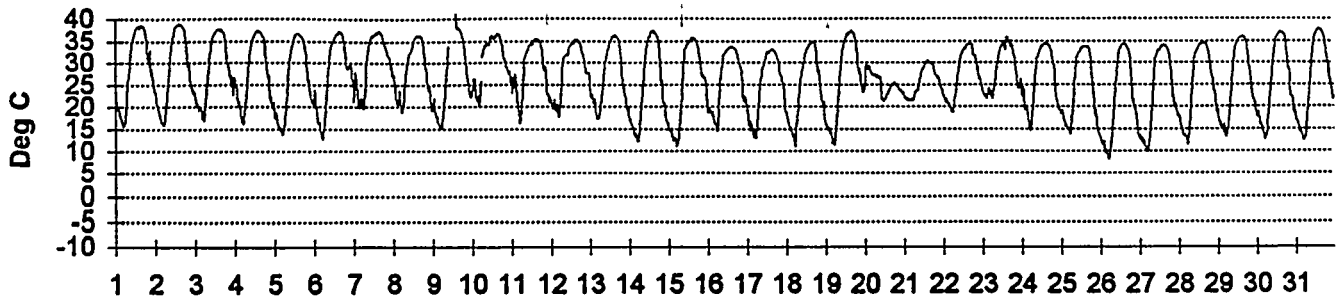

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
July-95

8 METER

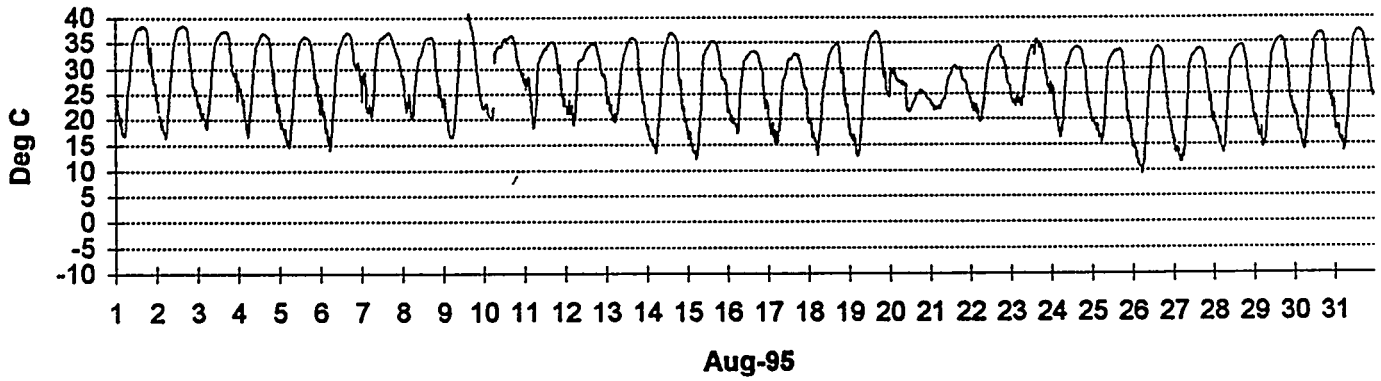

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
July-95


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
July-95

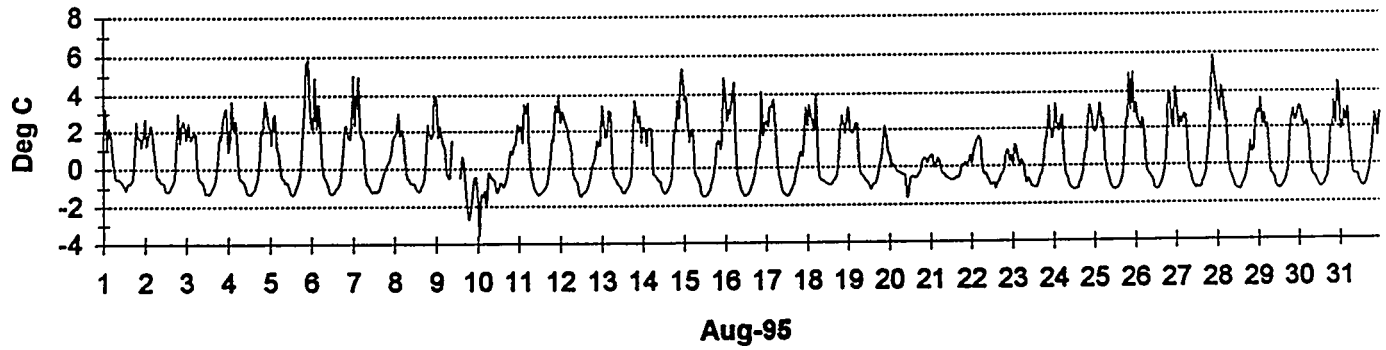
## 2 METER TEMPERATURE

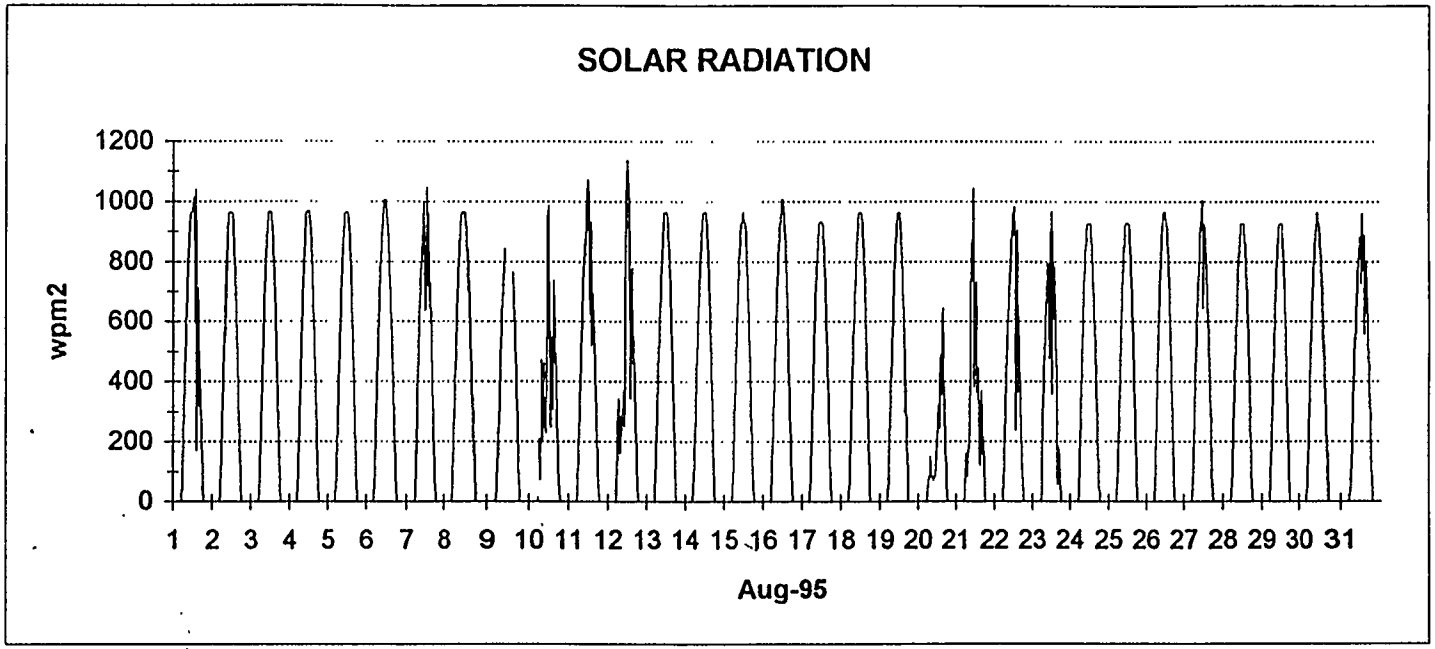


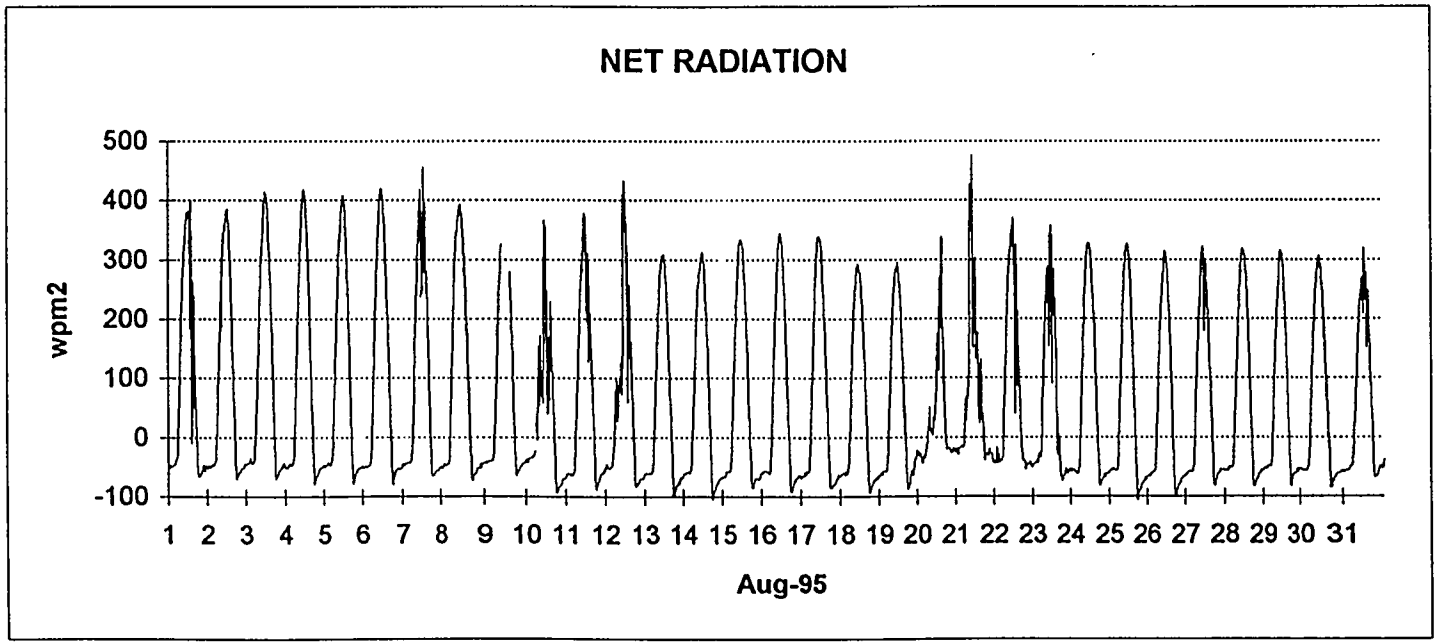

## 8 METER TEMPERATURE



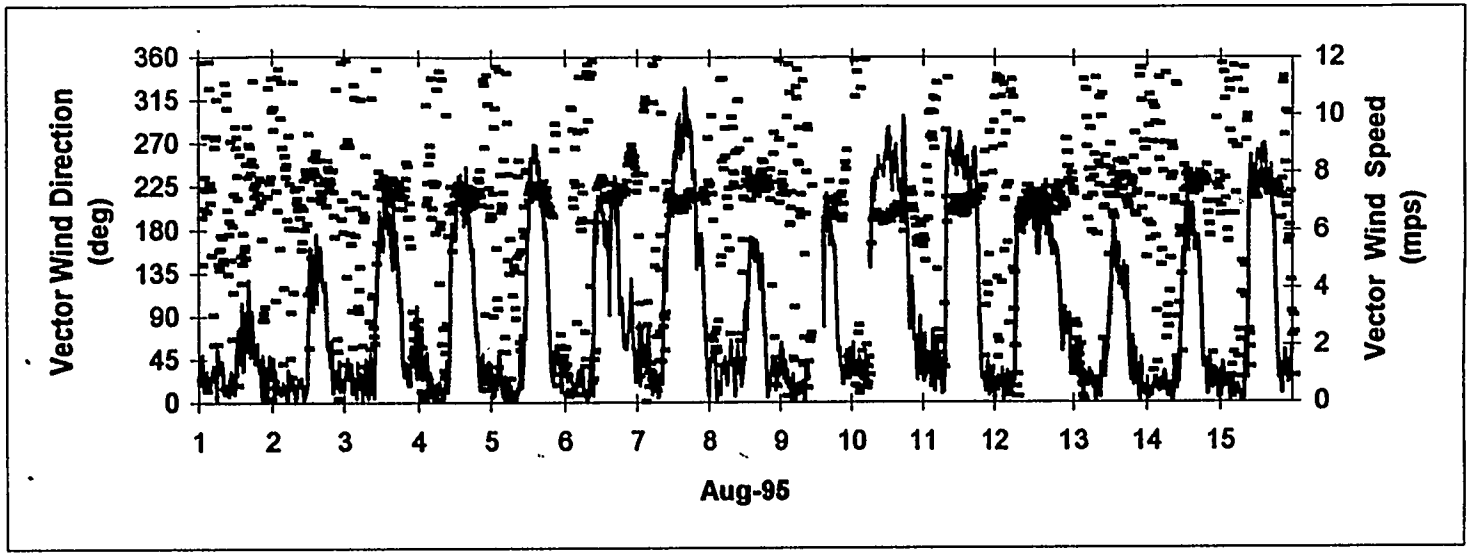

## TEMPERATURE DIFFERENCE, 2 TO 16 METER

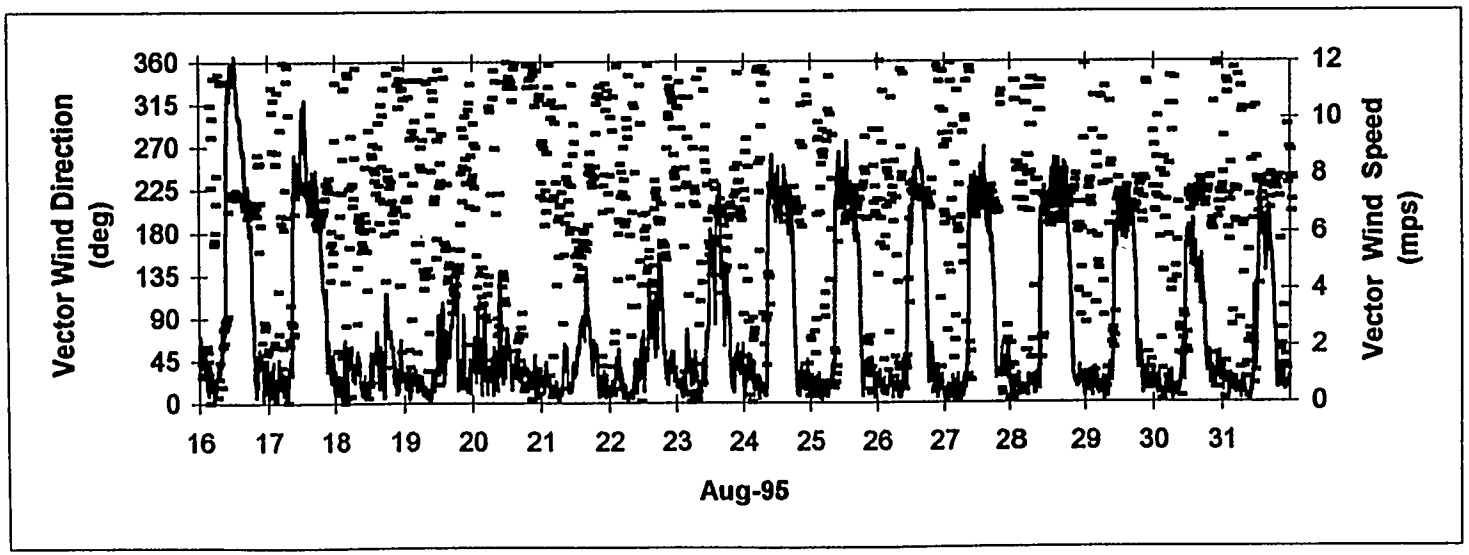



SOLAR RADIATION
wpm2
1200
1000
800
600
400
200
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Aug-95

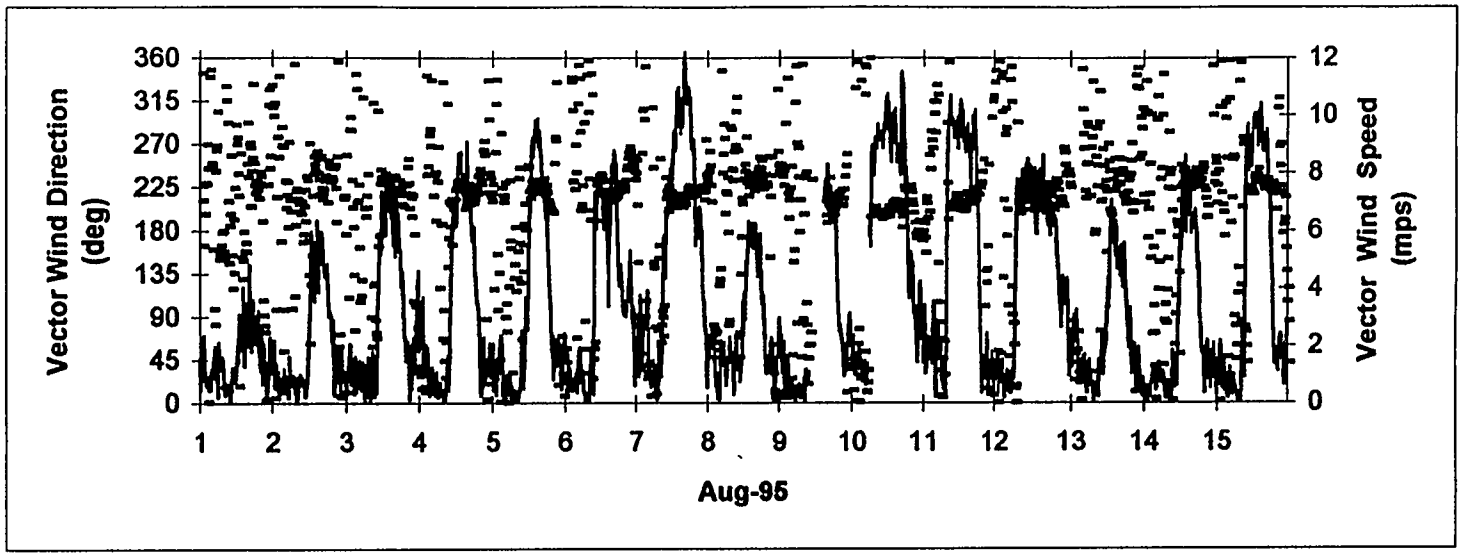

NET RADIATION
wpm2
500
400
300
200
100
0
-100
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Aug-95

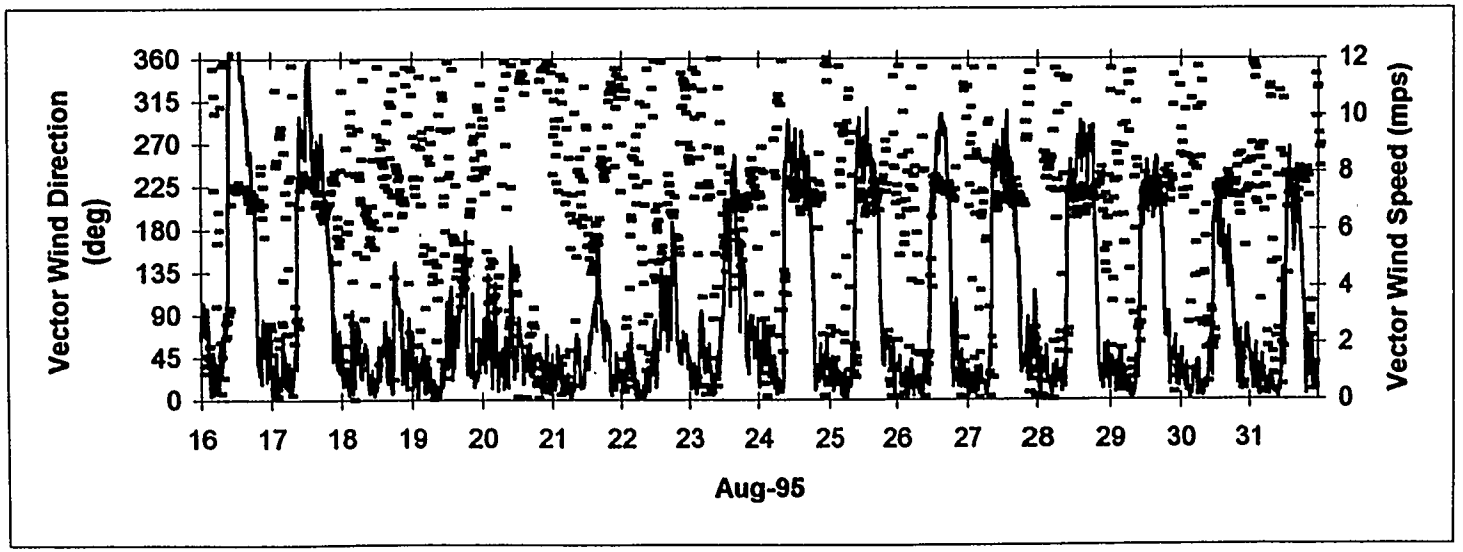
2 METER

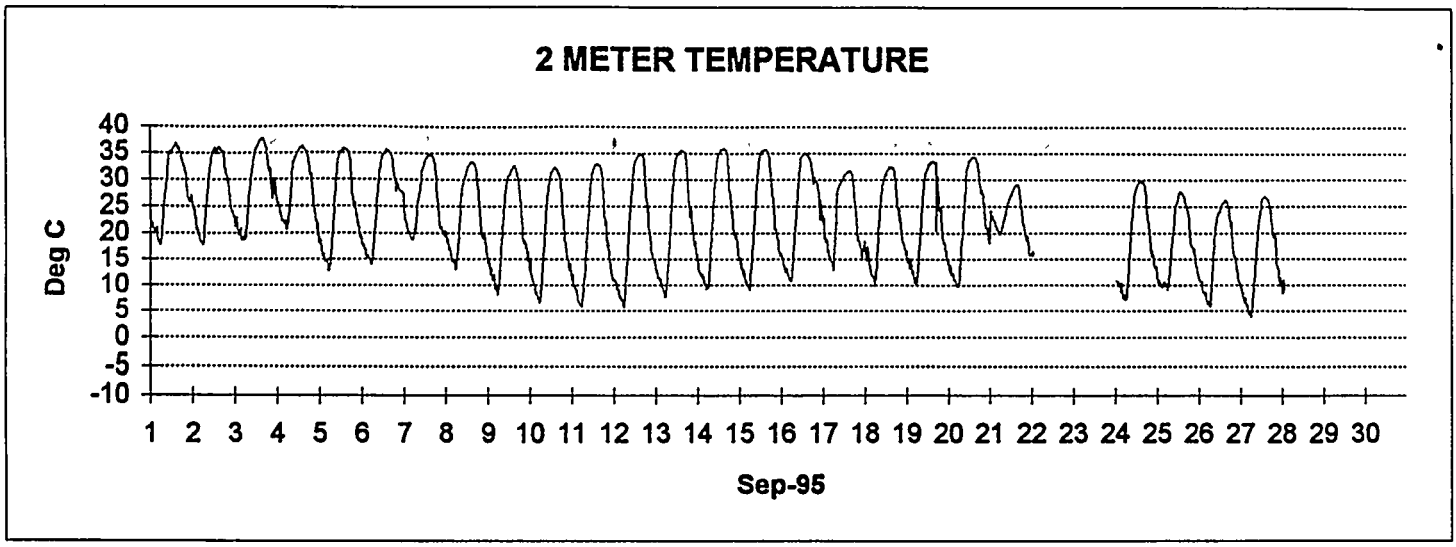

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Aug-95

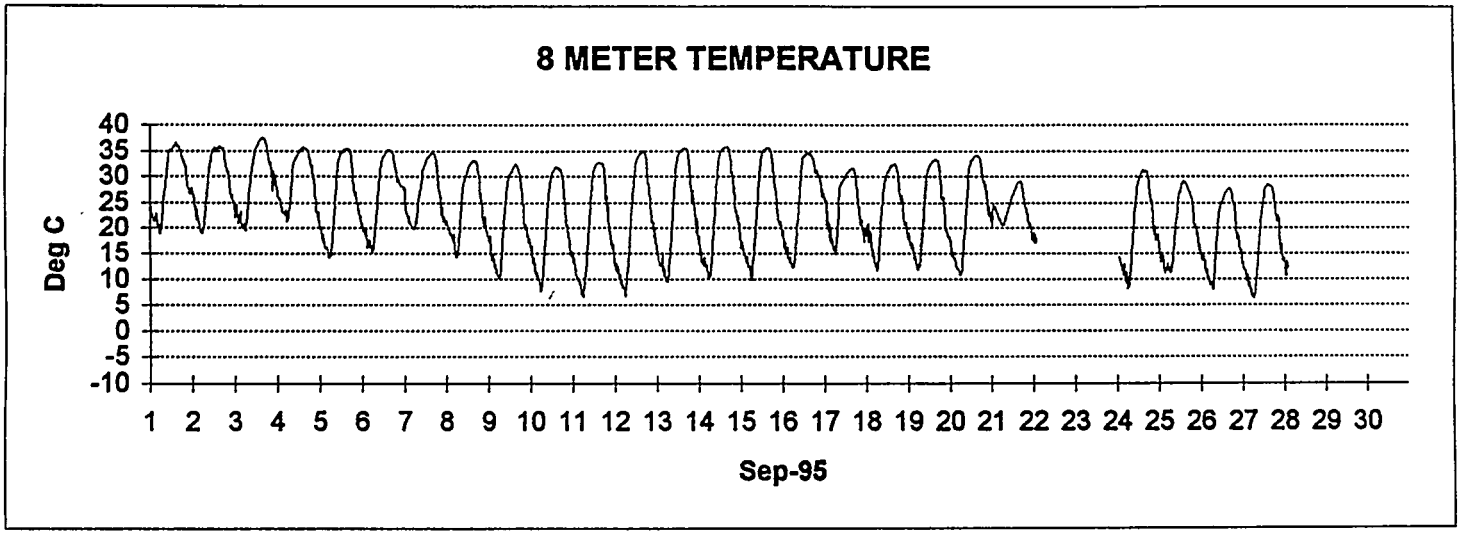

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Aug-95

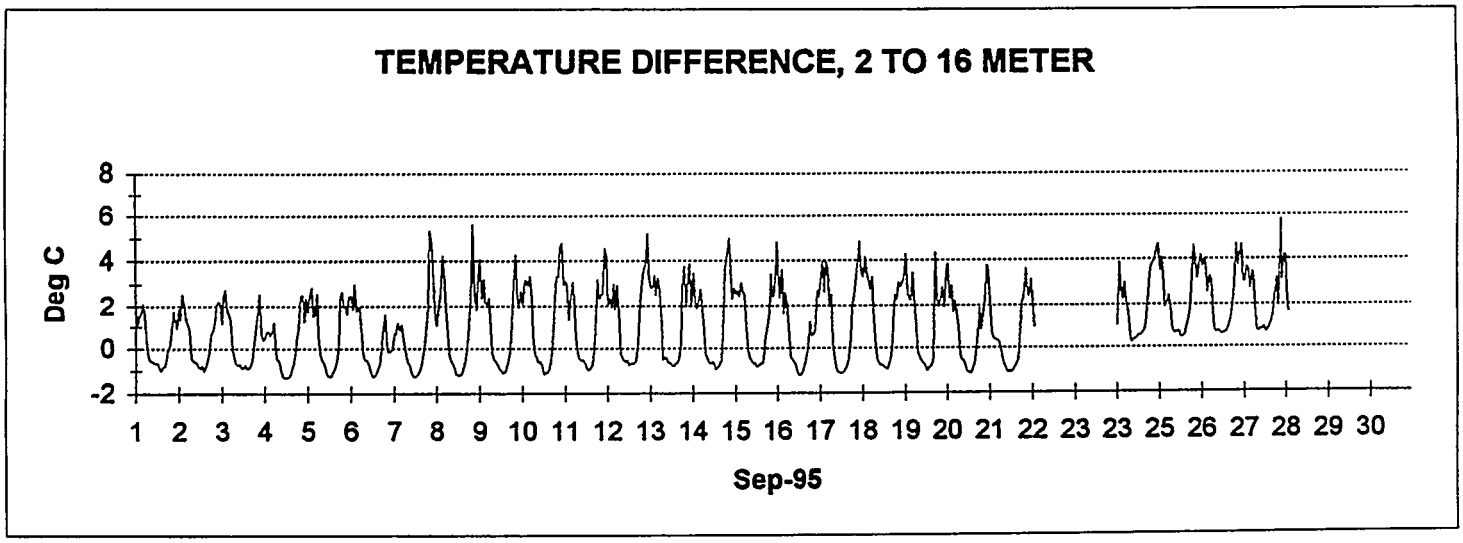
8 METER

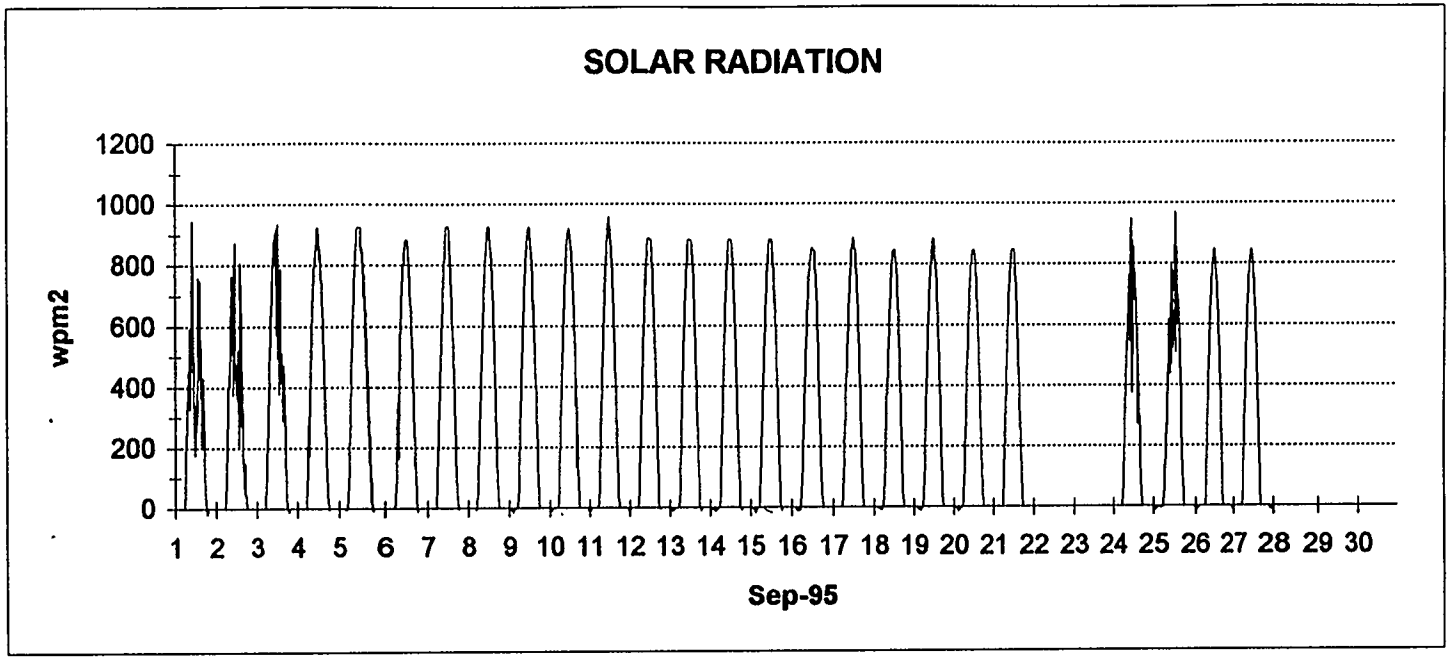

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Aug-95

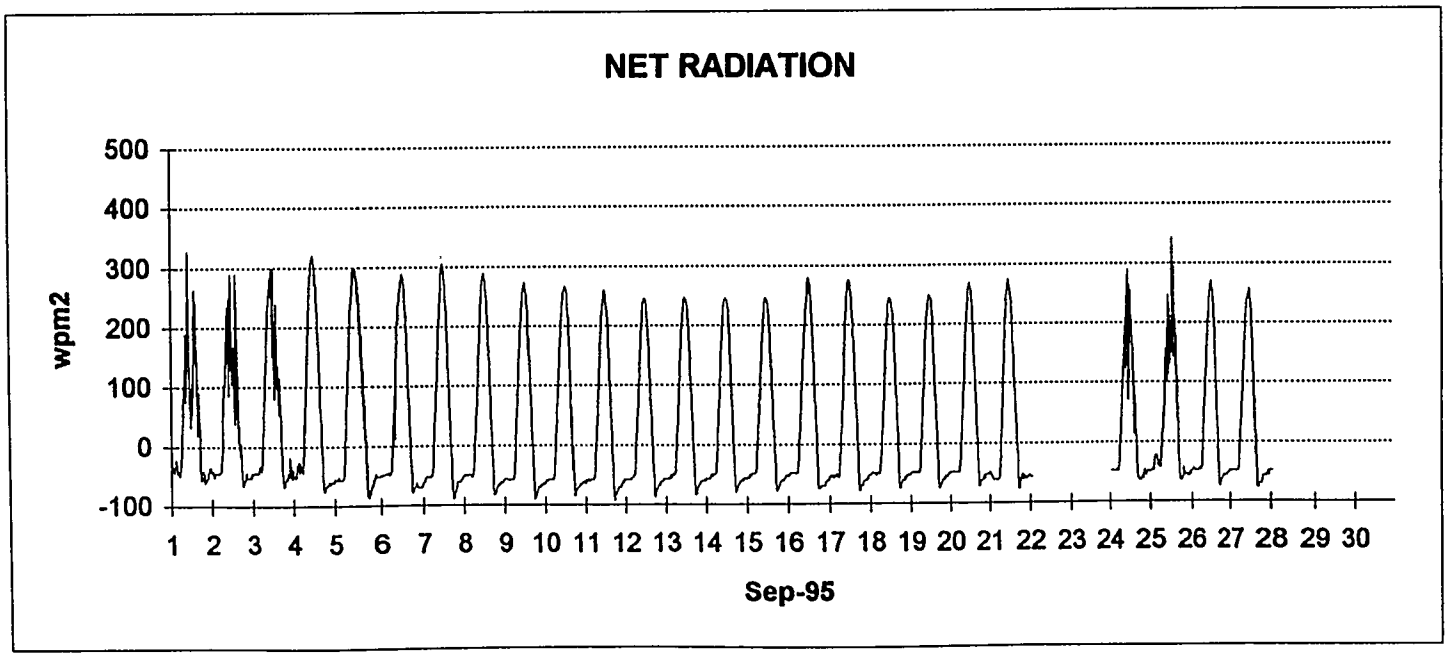

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Aug-95


2 METER TEMPERATURE
Deg C
40
35
30
25
20
15
10
5
0
-5
-10
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
Sep-95

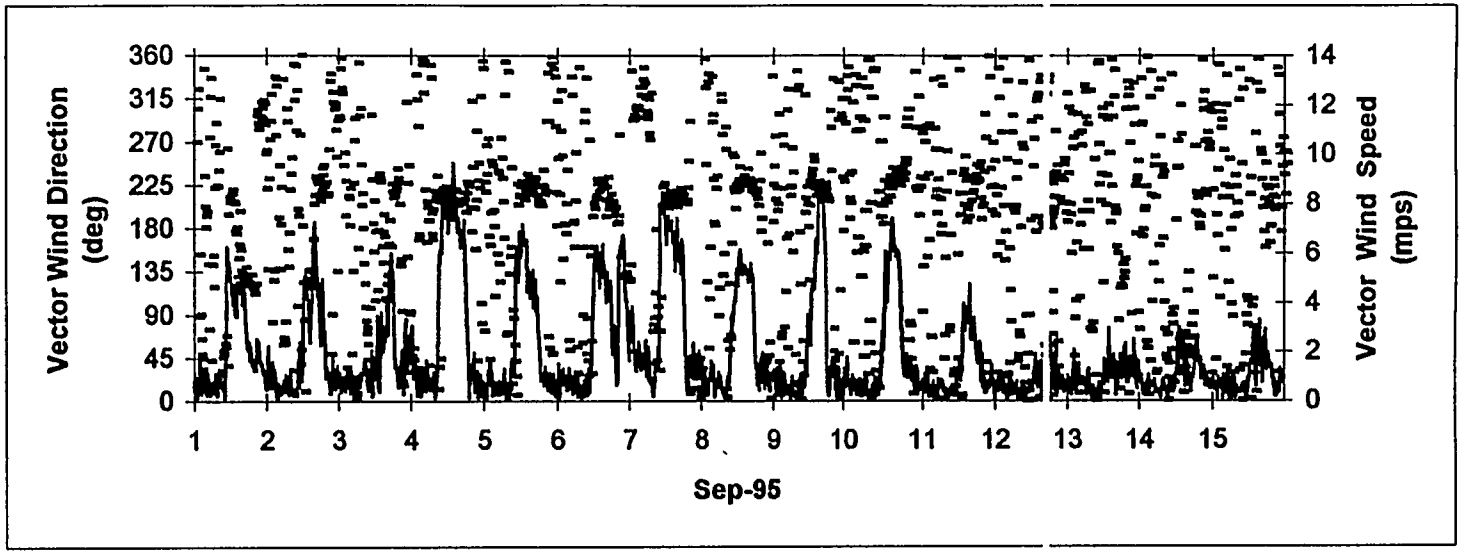

8 METER TEMPERATURE
Deg C
40
35
30
25
20
15
10
5
0
-5
-10
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Sep-95

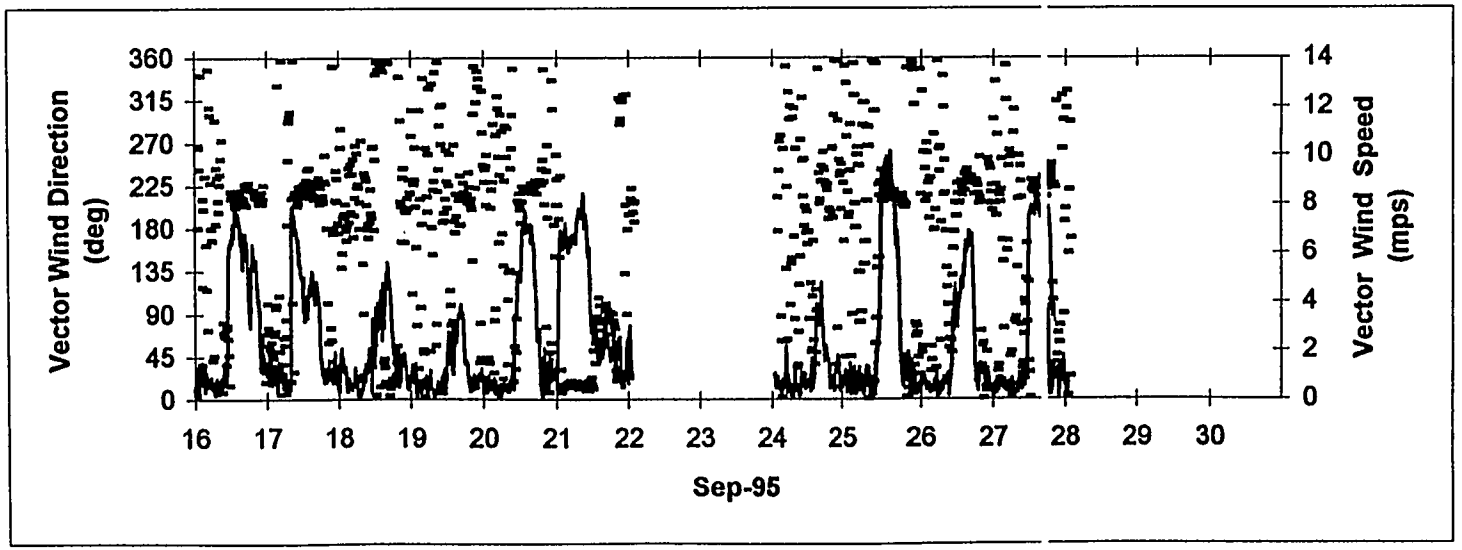

TEMPERATURE DIFFERENCE, 2 TO 16 METER
Deg C
8
6
4
2
0
-2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23 25 26 27 28 29 30
Sep-95


SOLAR RADIATION
wpm2
1200
1000
800
600
400
200
0
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
Sep-95

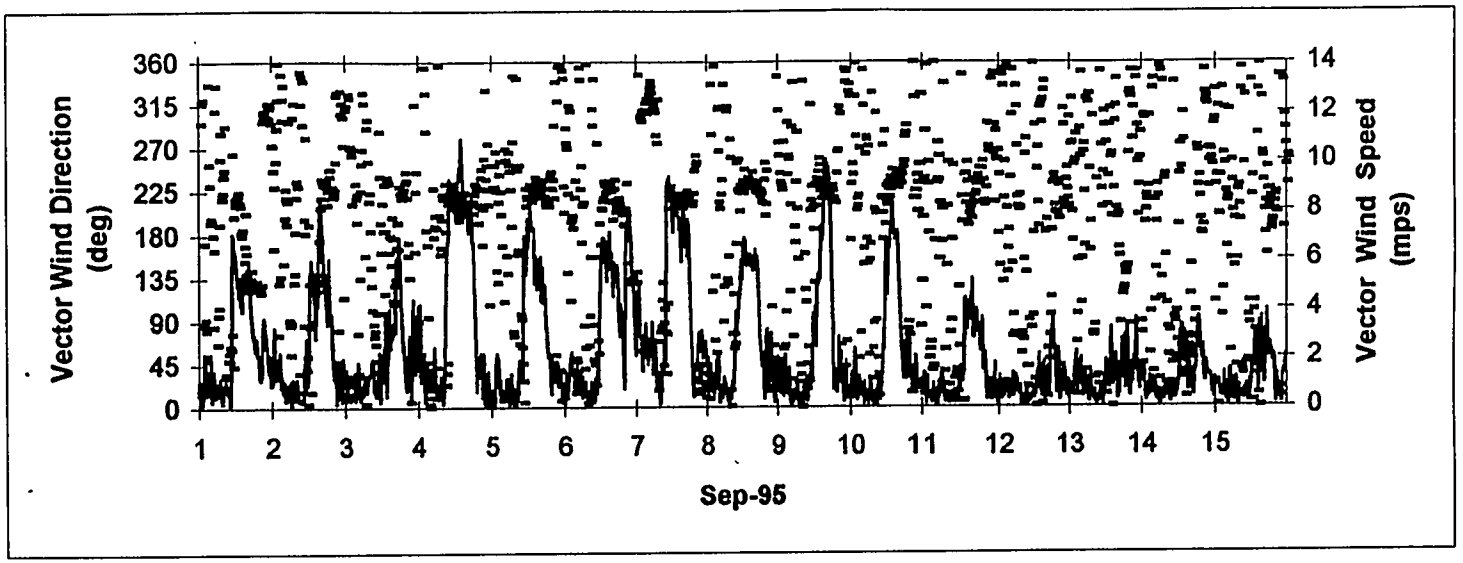

NET RADIATION
wpm2
500
400
300
200
100
0
-100
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Sep-95

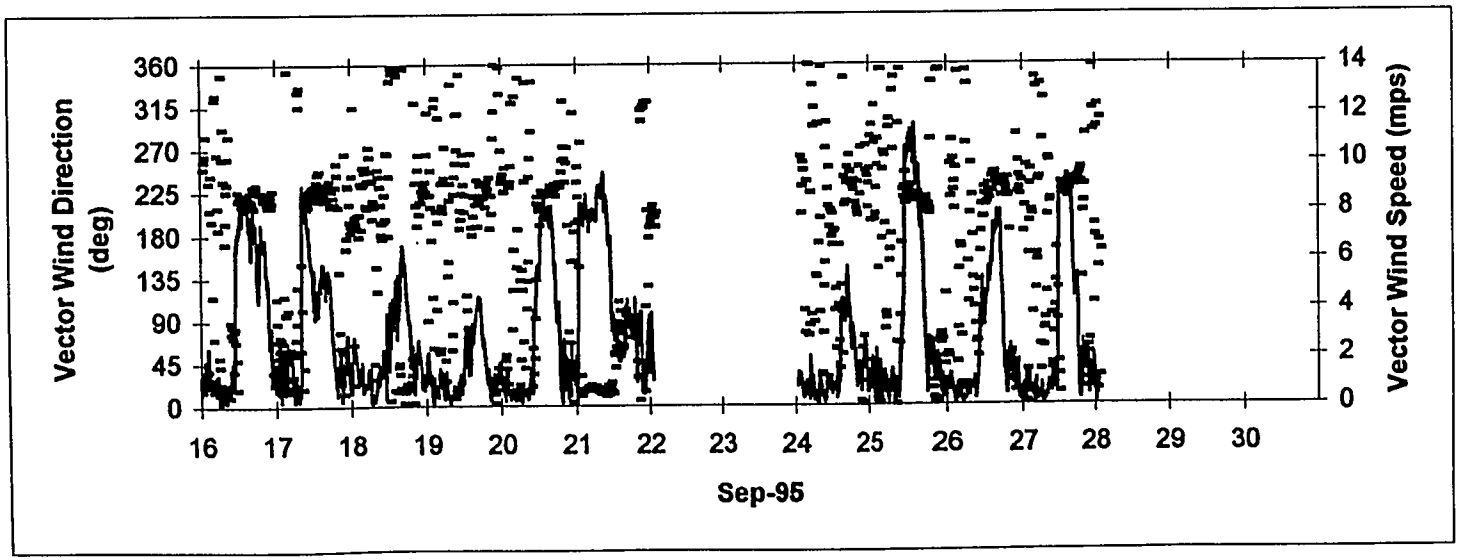
2 METER


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
14
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Sep-95

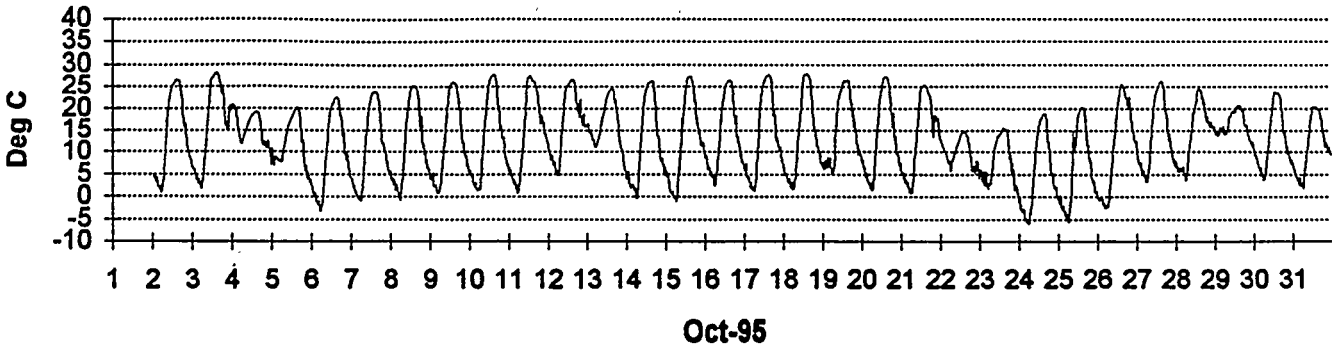

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
14
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Sep-95

8 METER

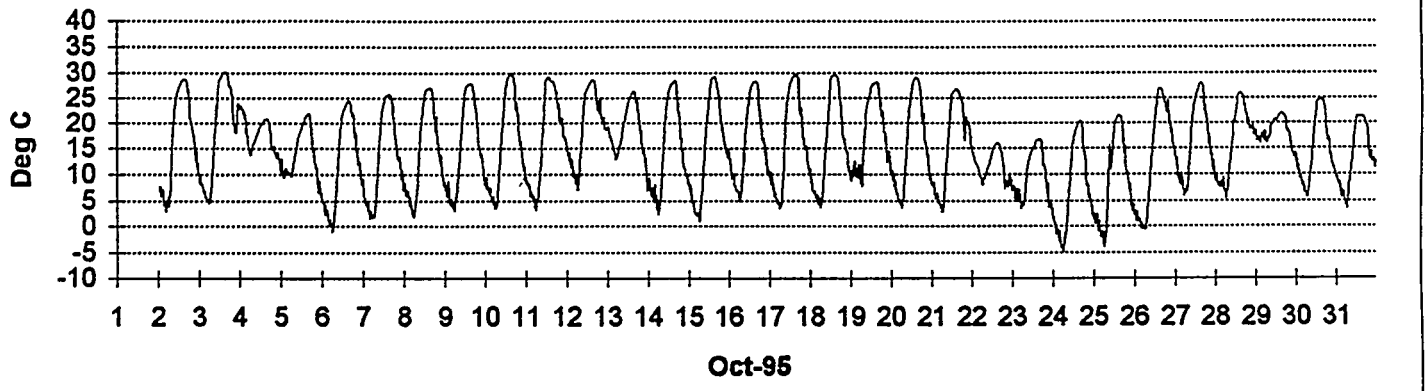

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Sep-95
Vector Wind Speed (mps)
14
12
10
8
6
4
2
0


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Sep-95
Vector Wind Speed (mps)
14
12
10
8
6
4
2
0

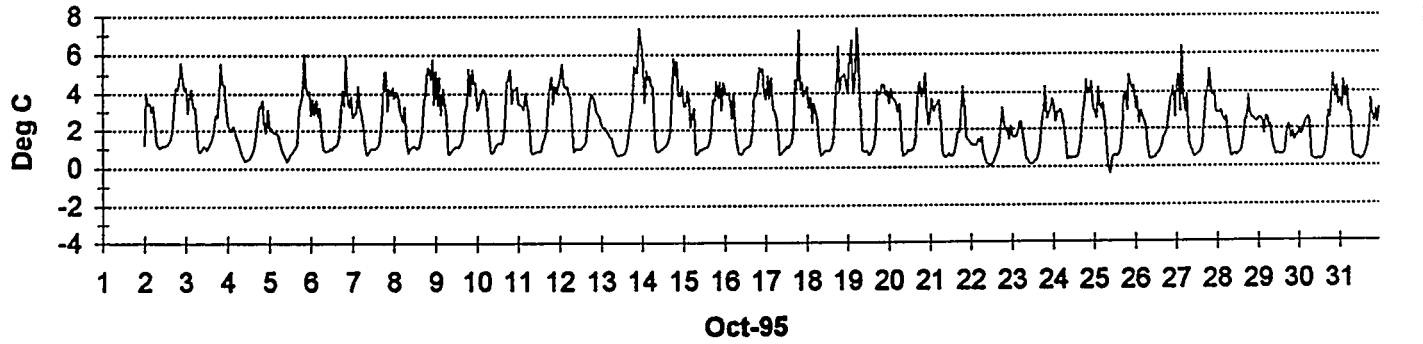
## 2 METER TEMPERATURE

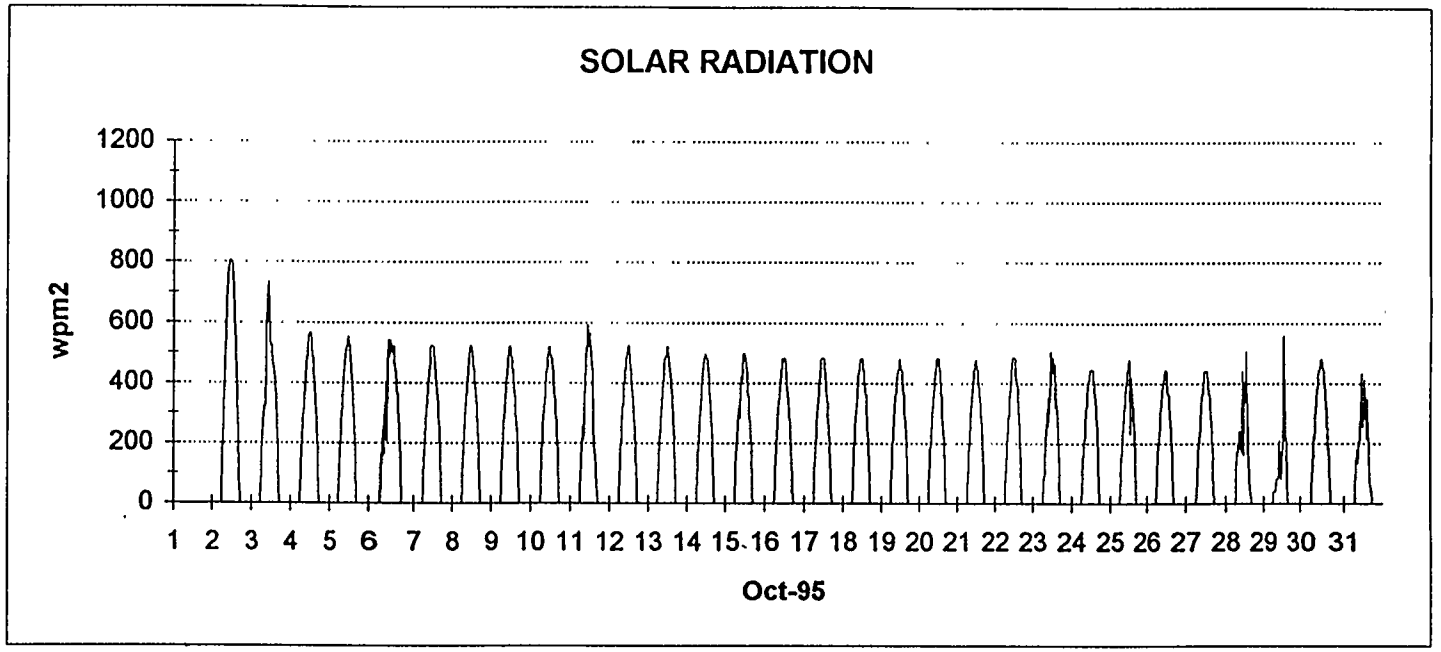


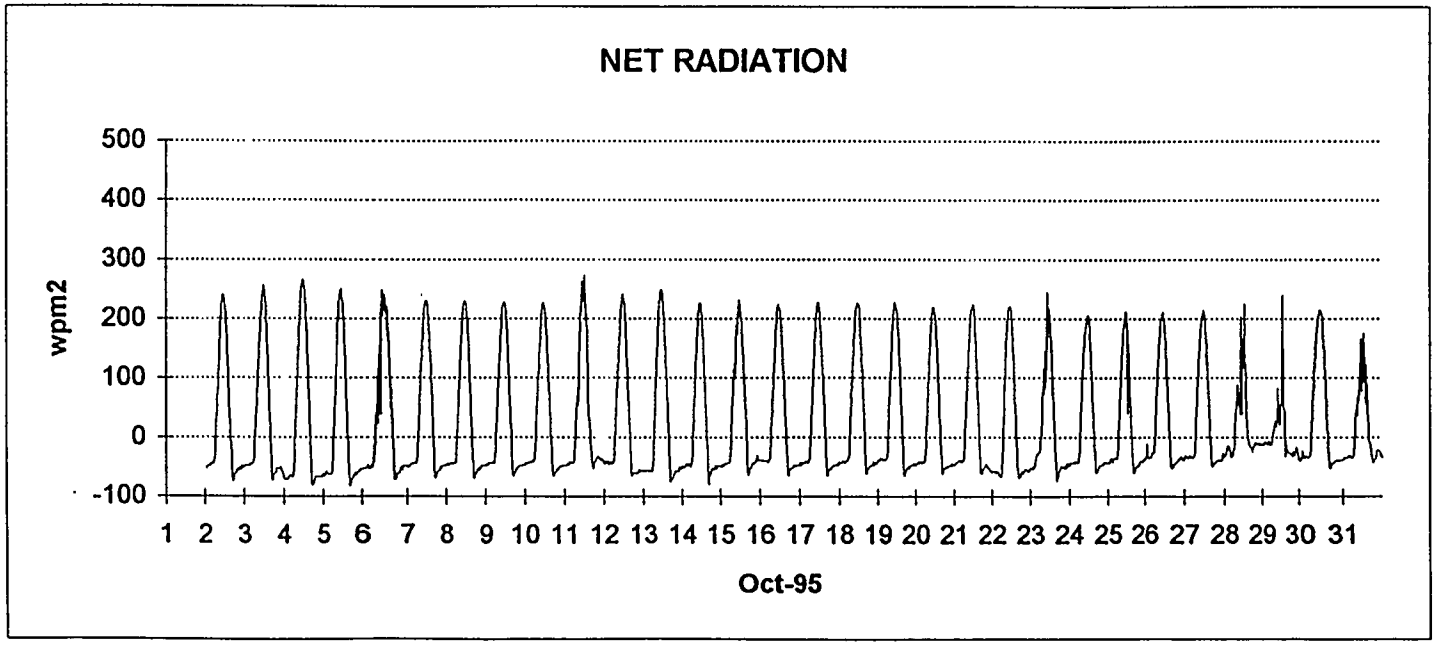

## 8 METER TEMPERATURE



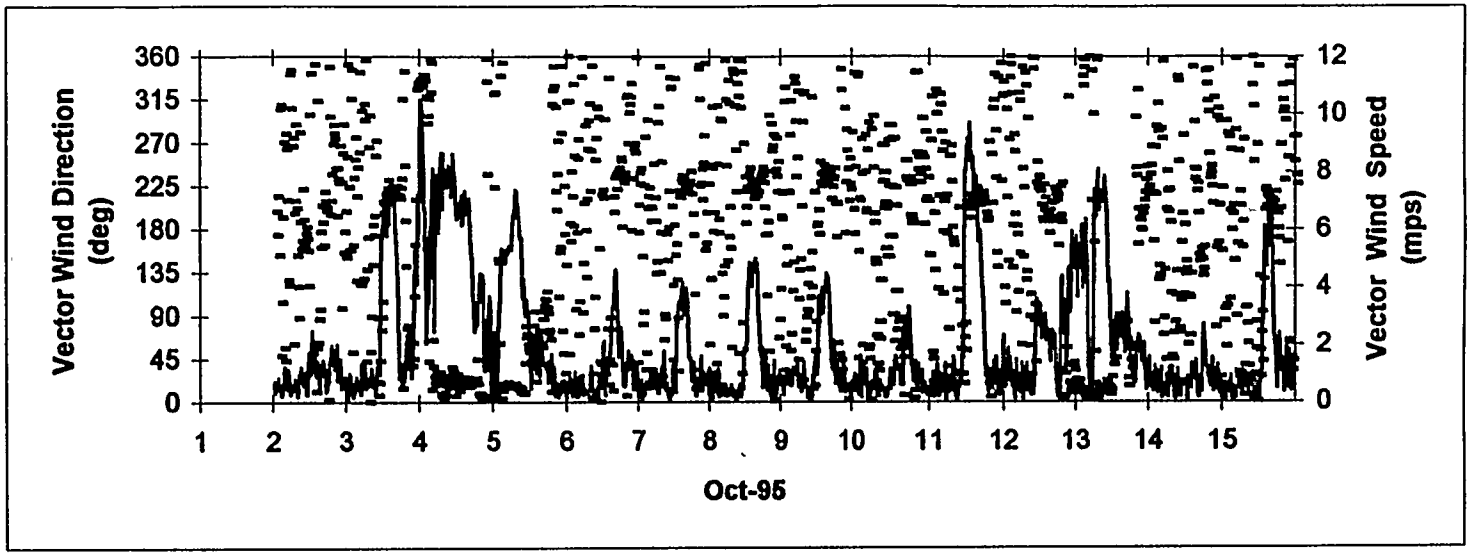

## TEMPERATURE DIFFERENCE, 2 TO 16 METER

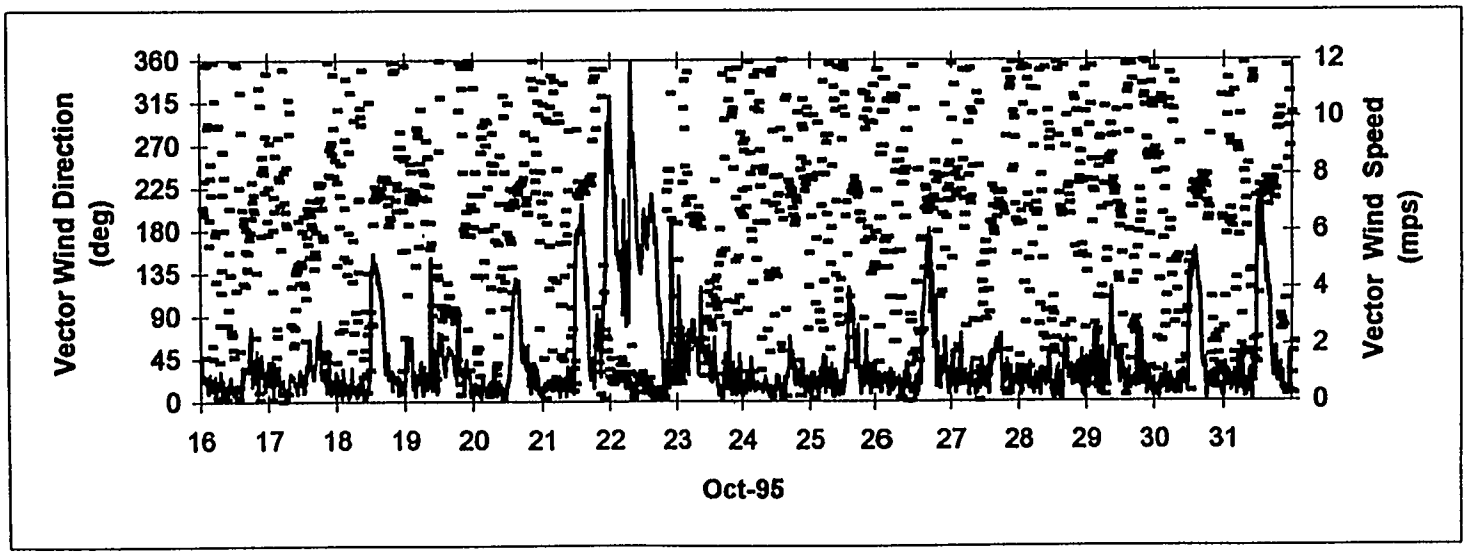



SOLAR RADIATION
wpm2
1200
1000
800
600
400
200
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Oct-95

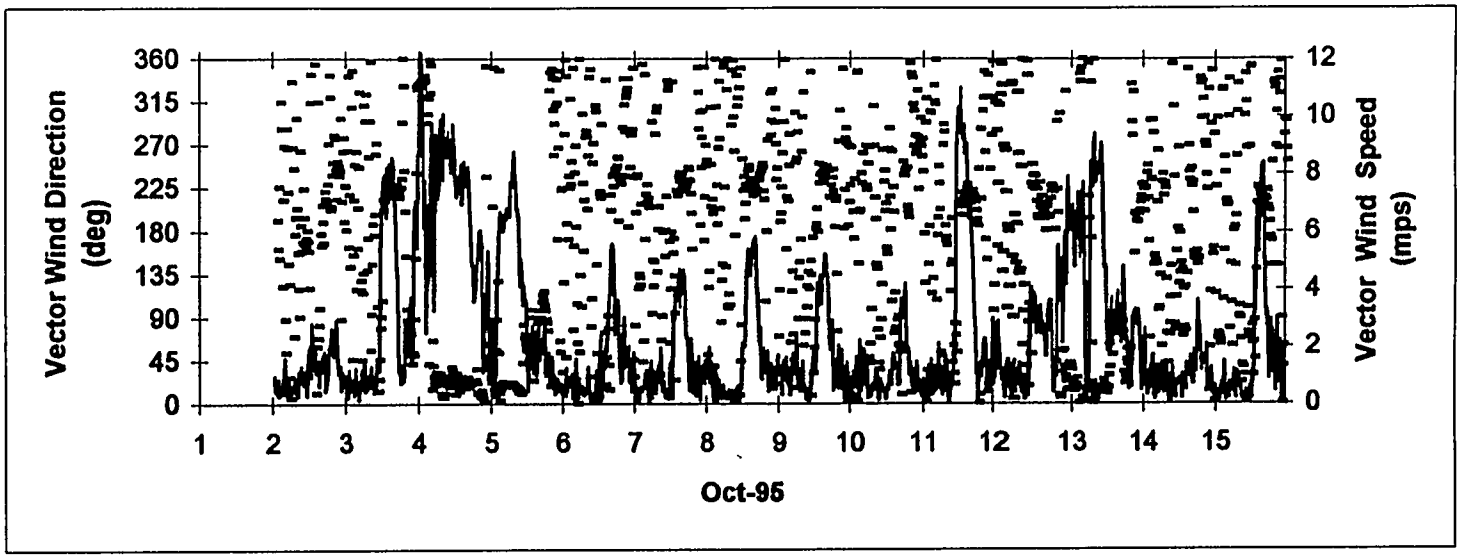

NET RADIATION
wpm2
500
400
300
200
100
0
-100
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Oct-95

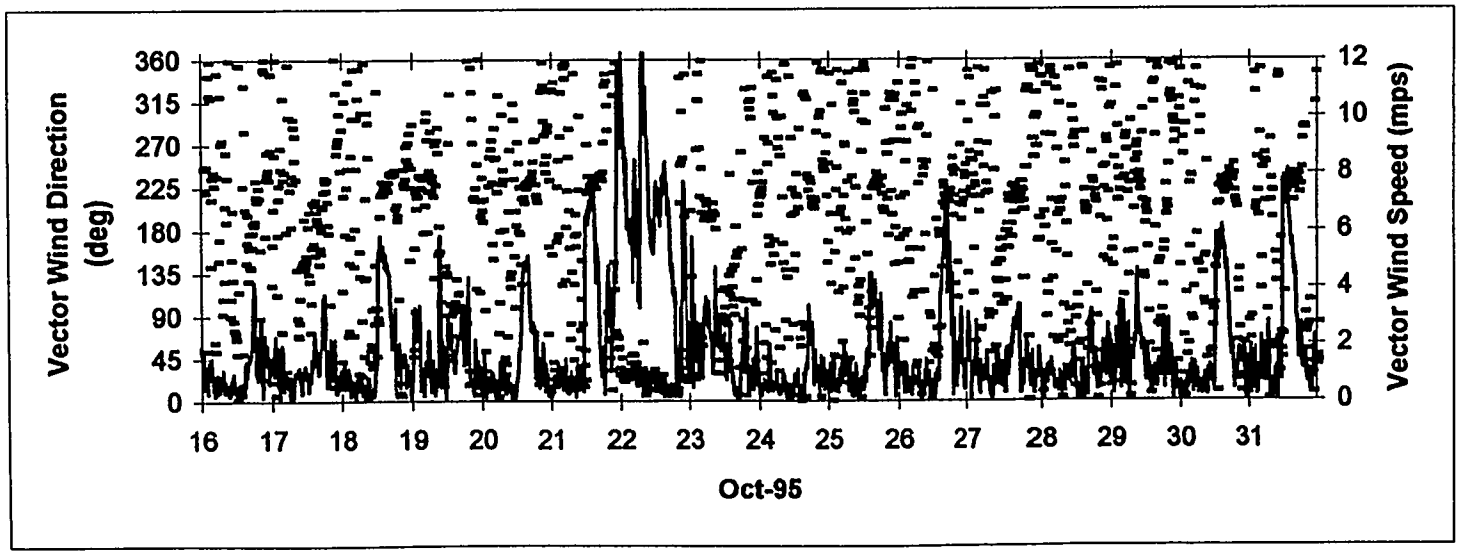
2 METER


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Oct-95

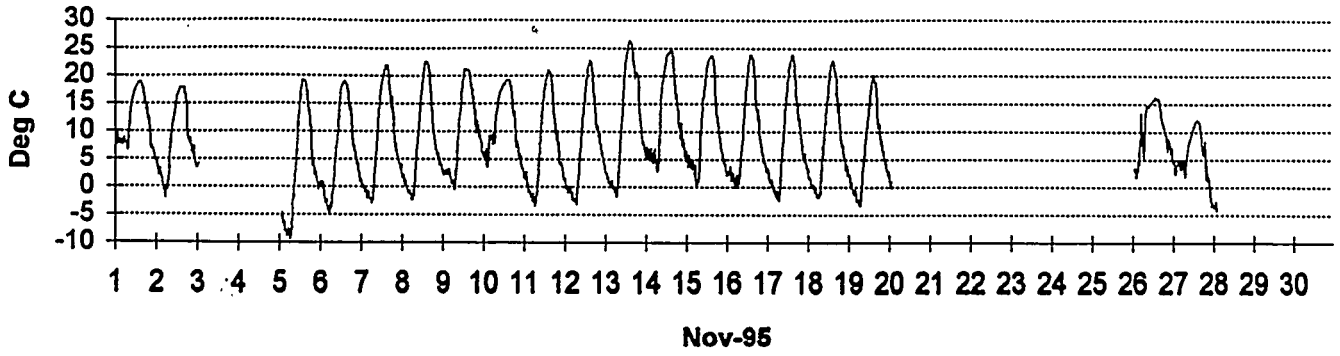

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Oct-95

8 METER

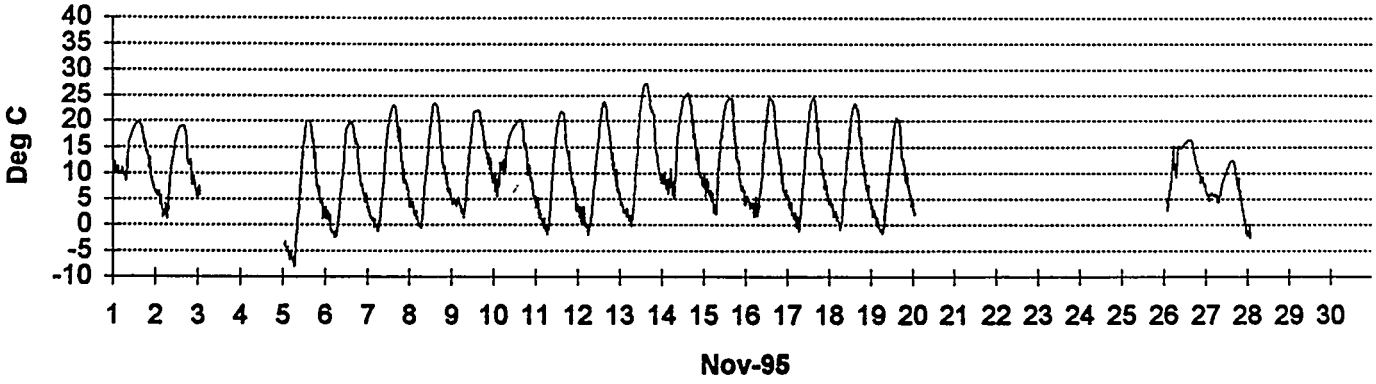

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Oct-95


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Oct-95

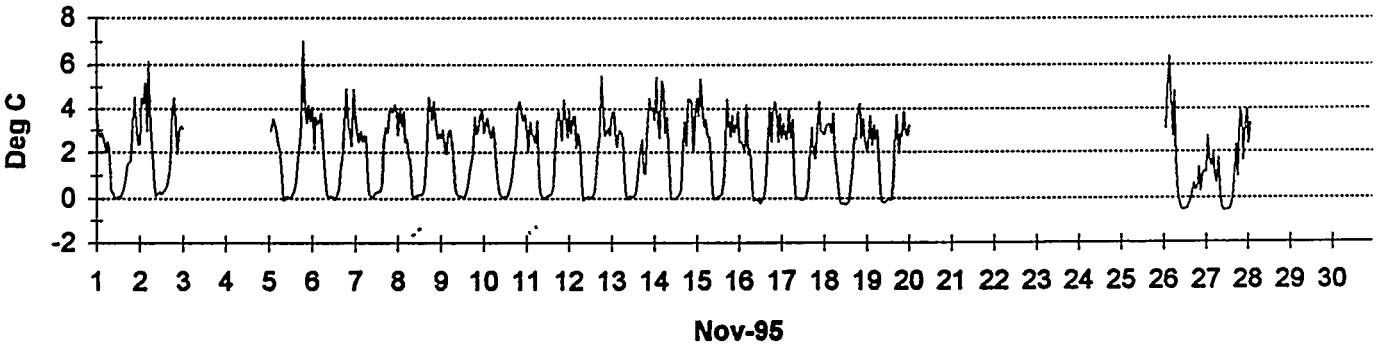
## 2 METER TEMPERATURE

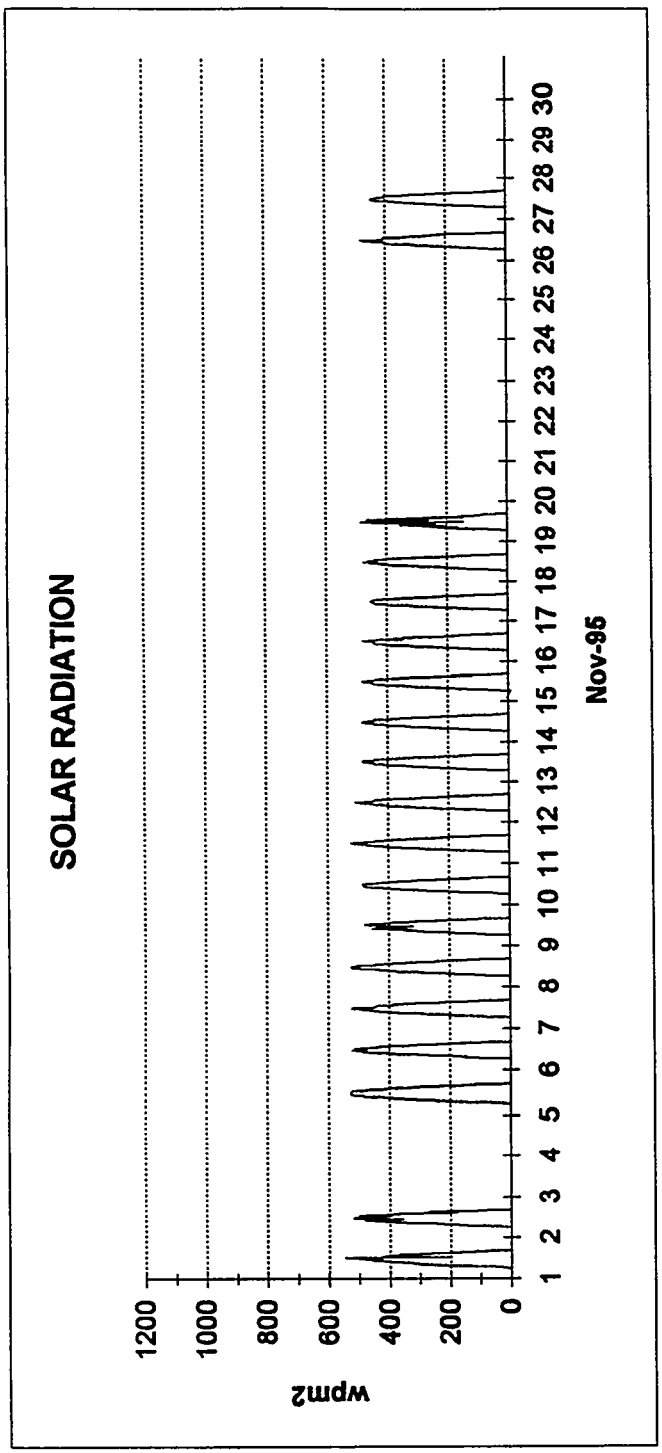


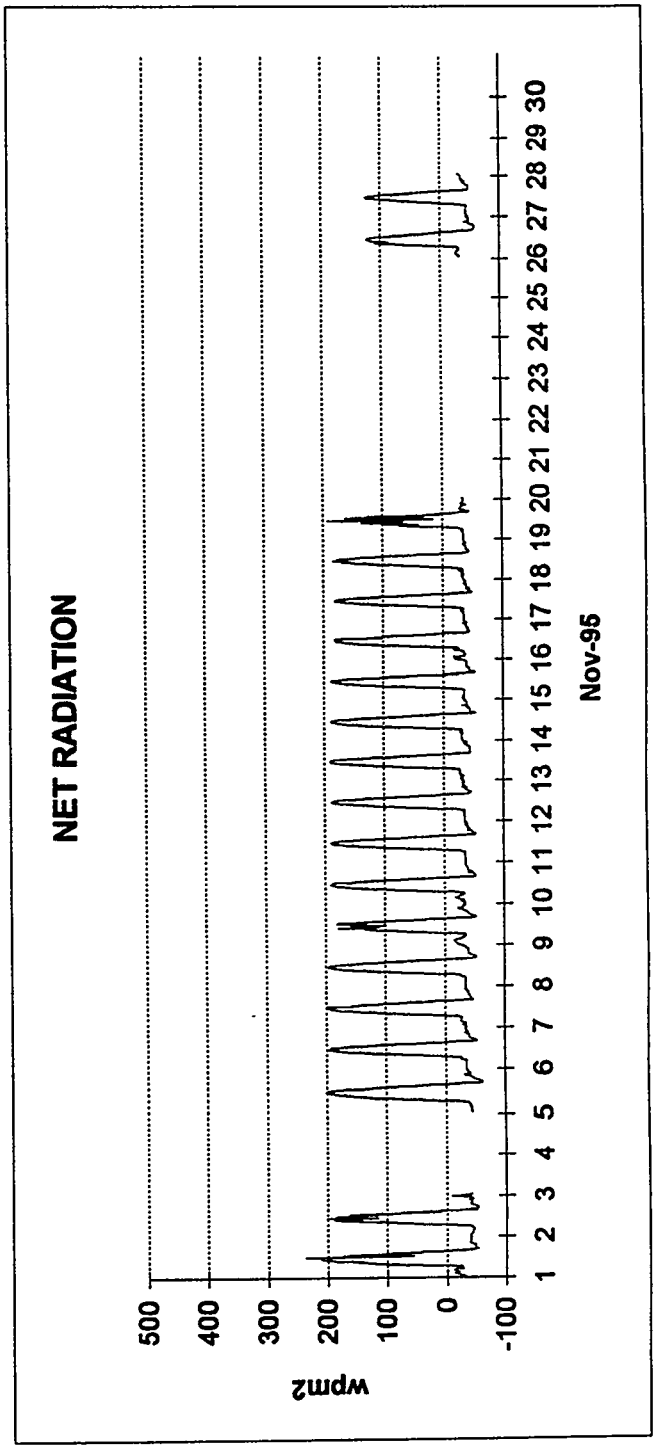

## 8 METER TEMPERATURE



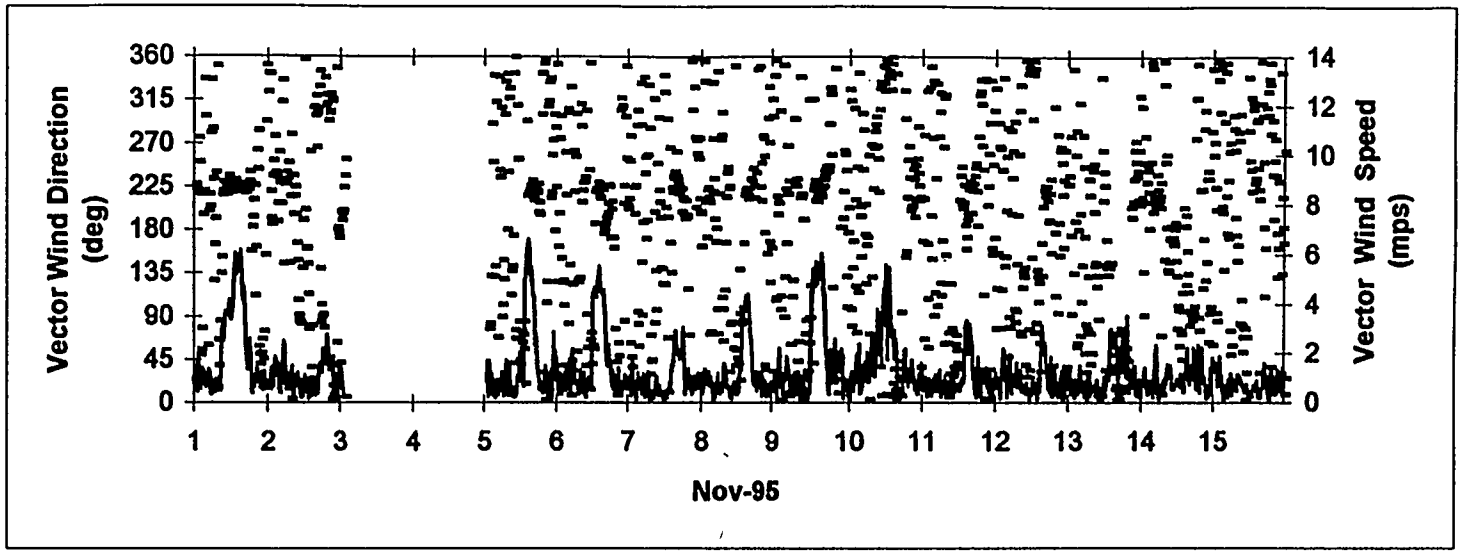

## TEMPERATURE DIFFERENCE, 2 TO 16 METER

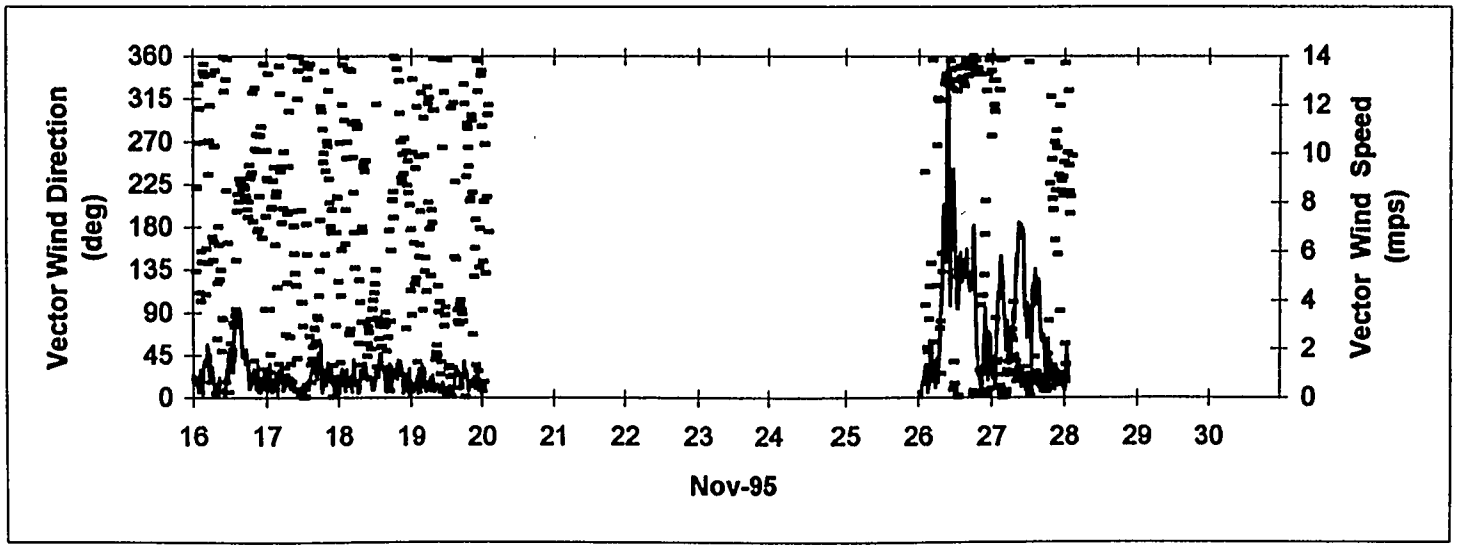



SOLAR RADIATION
wpm2
1200
1000
800
600
400
200
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Nov-95

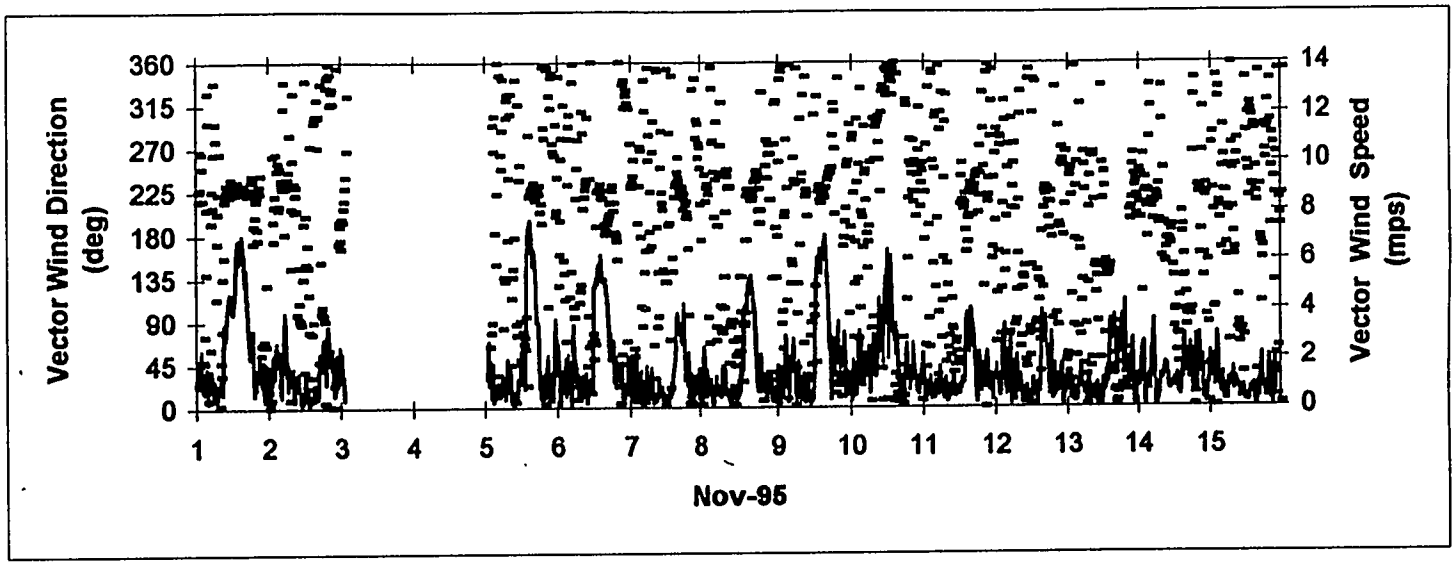

NET RADIATION
wpm2
500
400
300
200
100
0
-100
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Nov-95

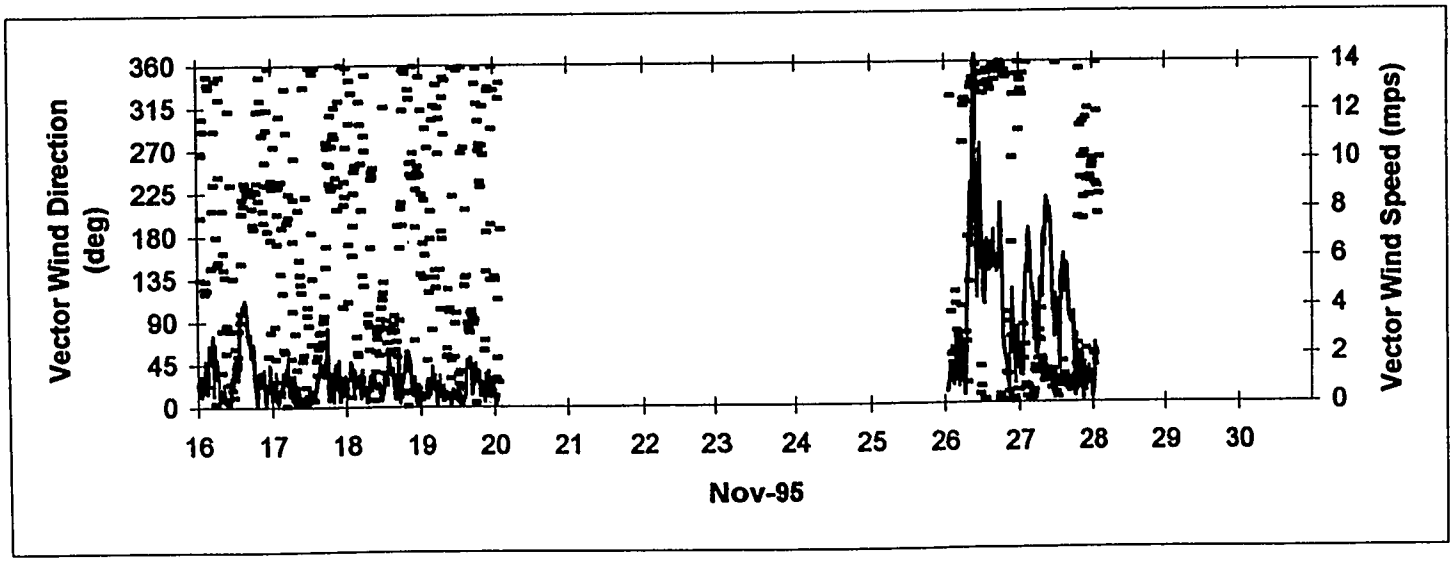
2 METER

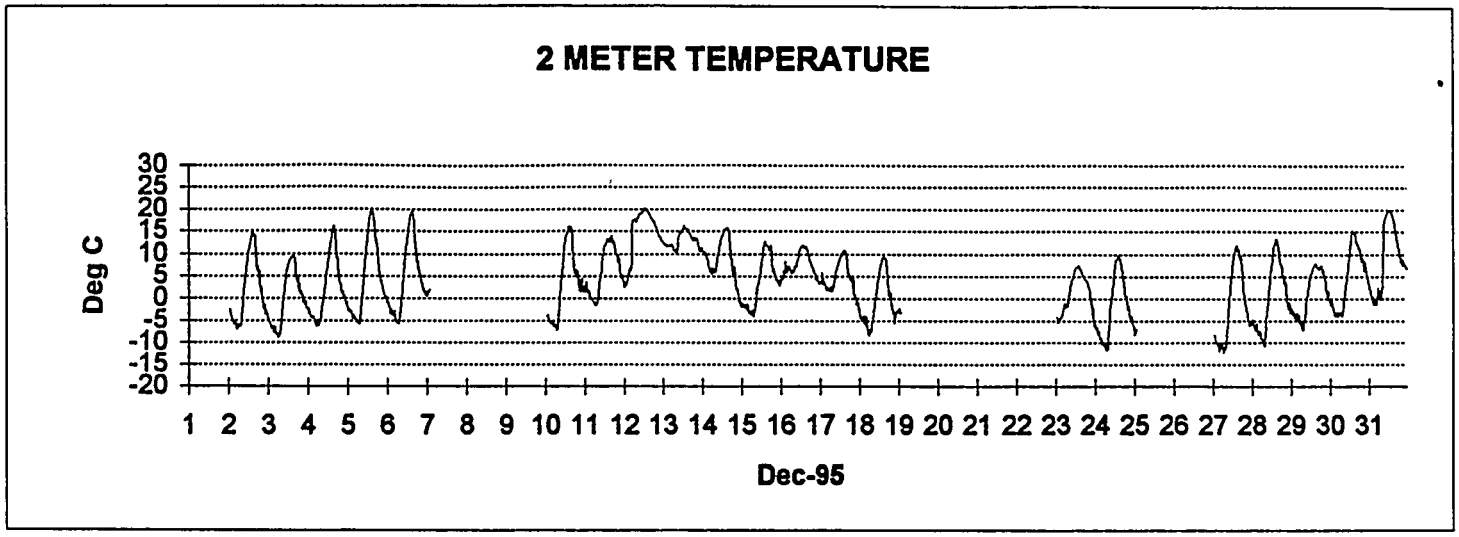

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Nov-95
Vector Wind Speed (mps)
14
12
10
8
6
4
2
0

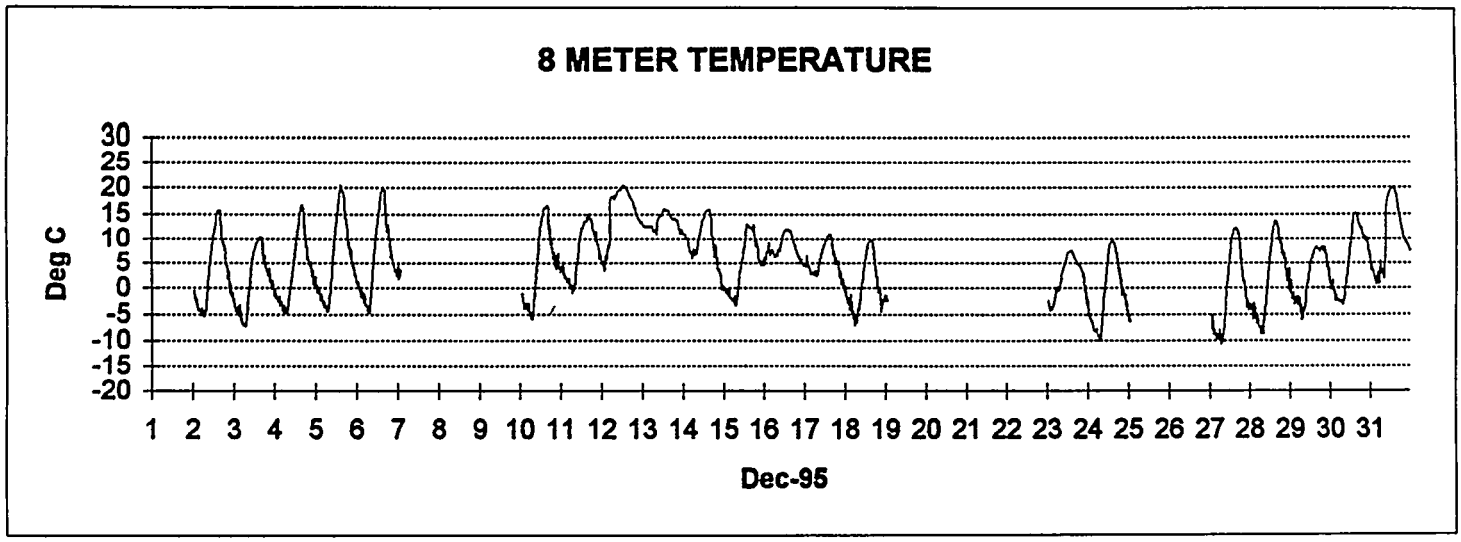

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Nov-95
Vector Wind Speed (mps)
14
12
10
8
6
4
2
0

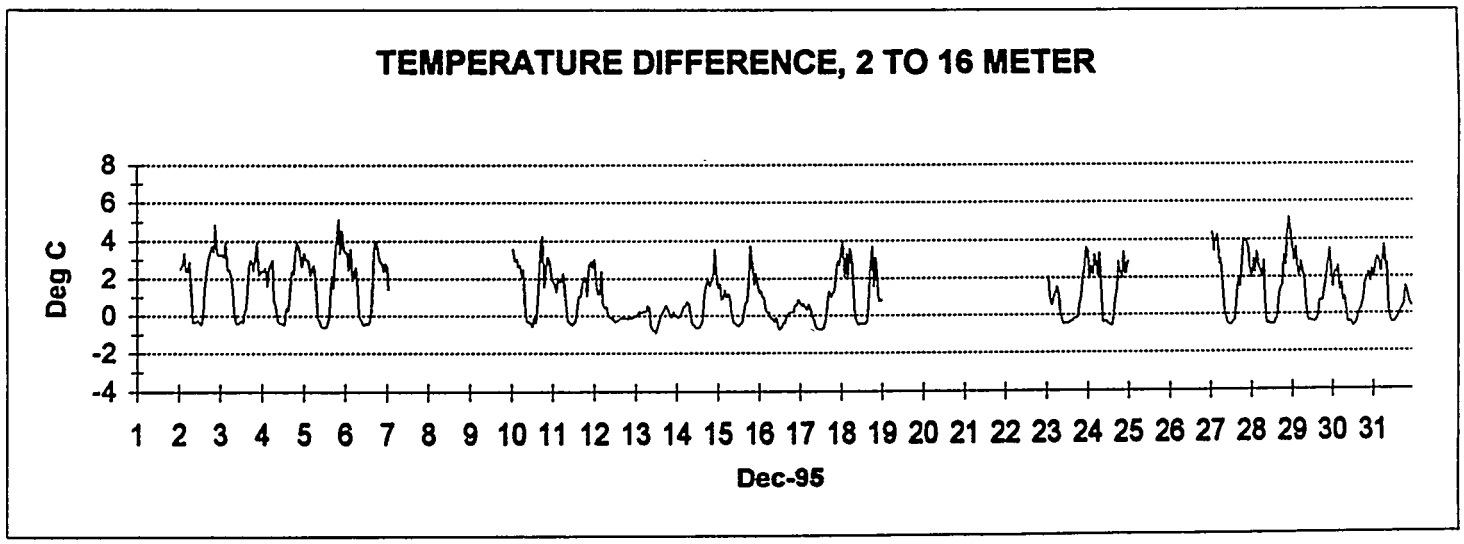
8 METER

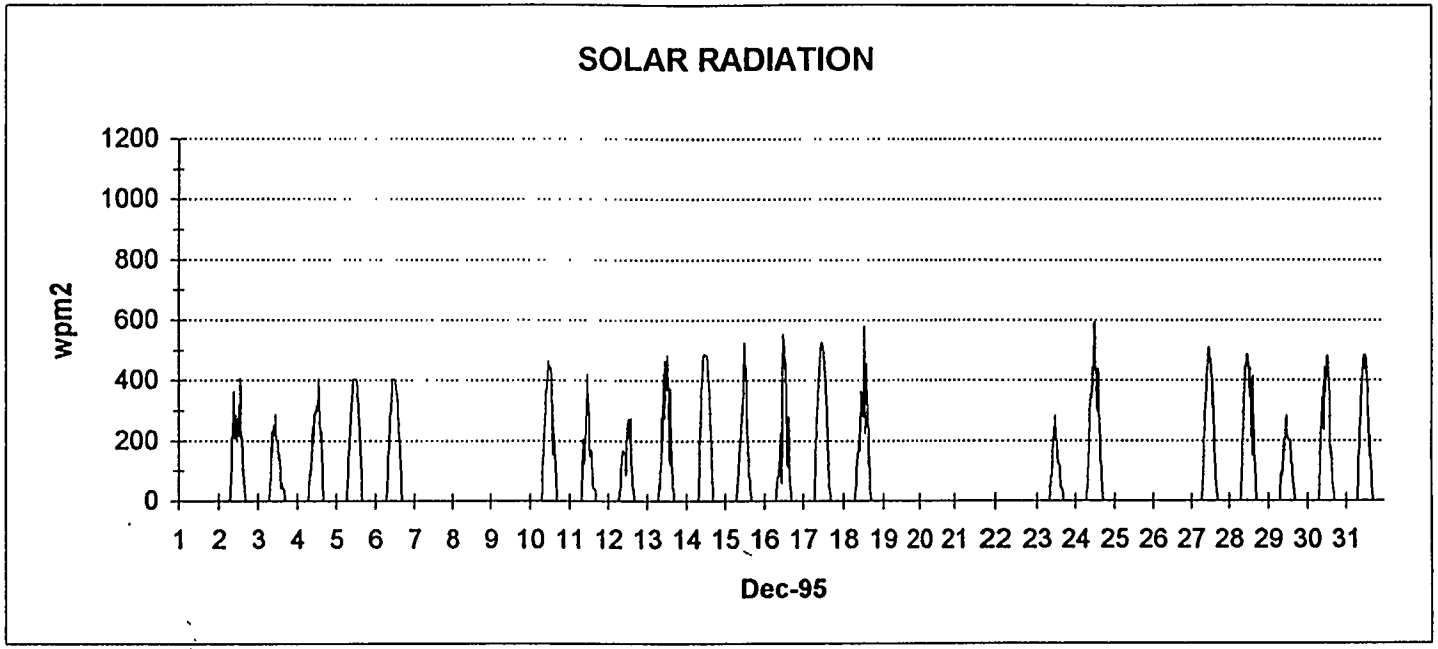

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Nov-95
Vector Wind Speed (mps)
14
12
10
8
6
4
2
0

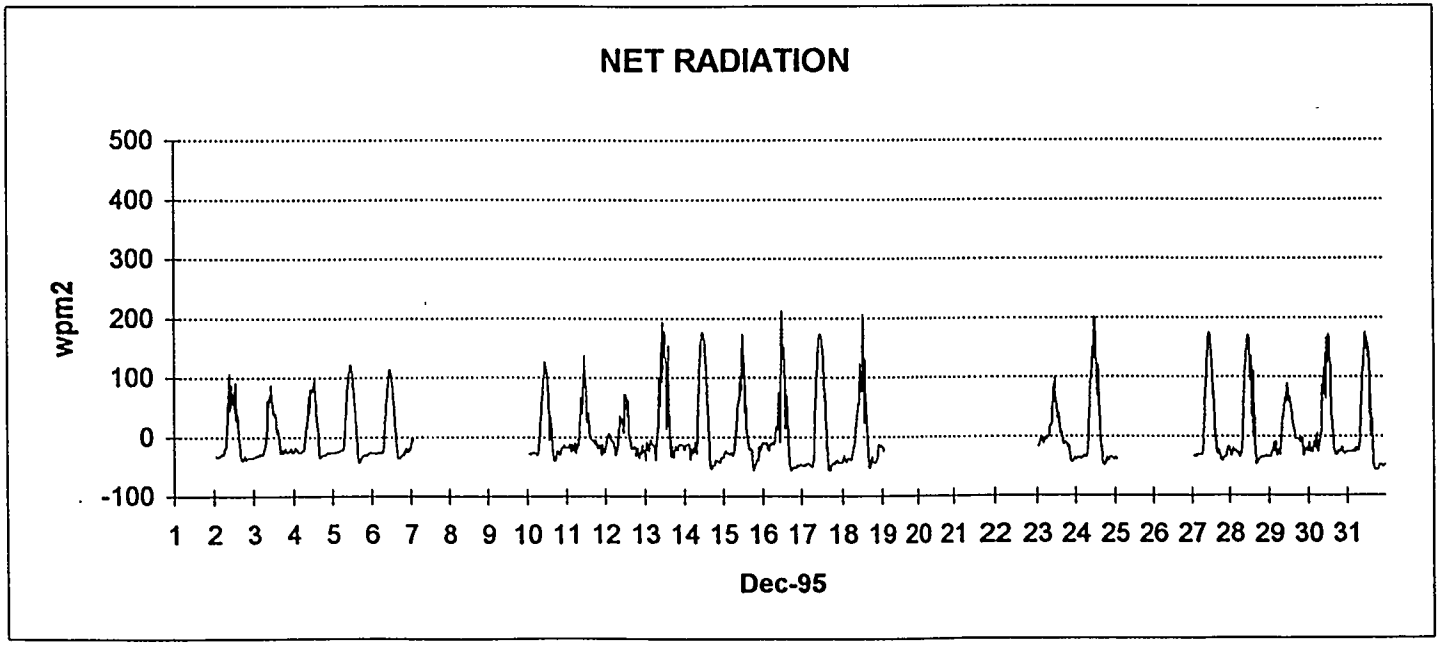

Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Nov-95
Vector Wind Speed (mps)
14
12
10
8
6
4
2
0


2 METER TEMPERATURE
Deg C
30
25
20
15
10
5
0
-5
-10
-15
-20
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
Dec-95

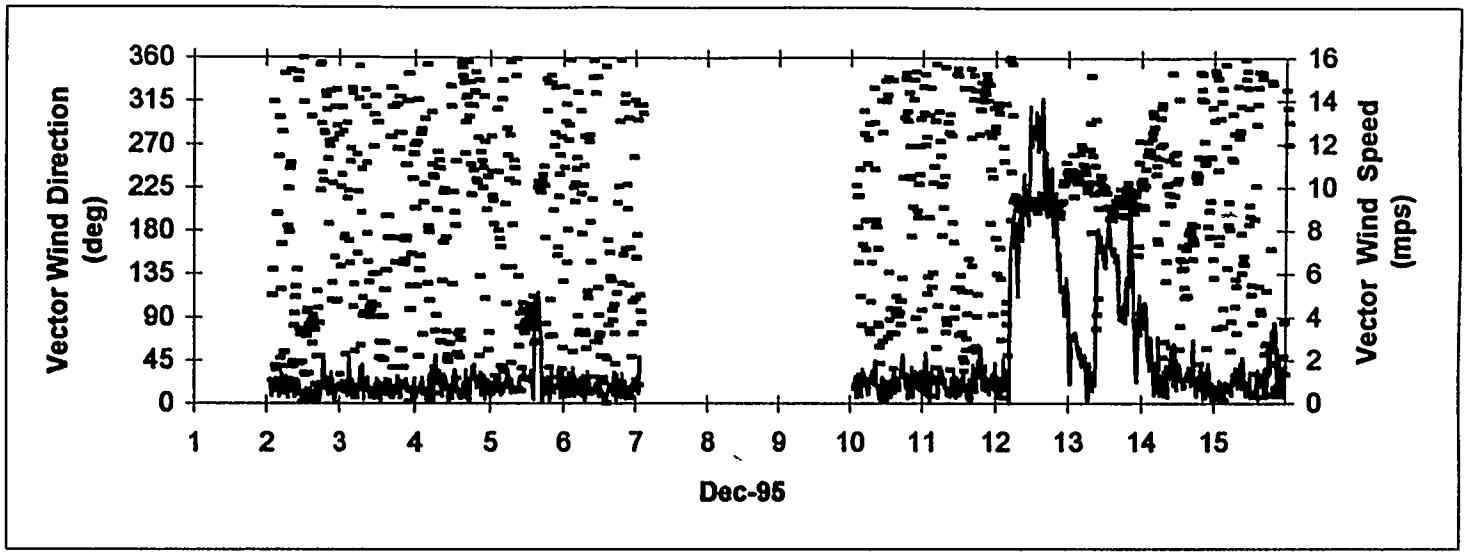

8 METER TEMPERATURE
Deg C
30
25
20
15
10
5
0
-5
-10
-15
-20
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Dec-95

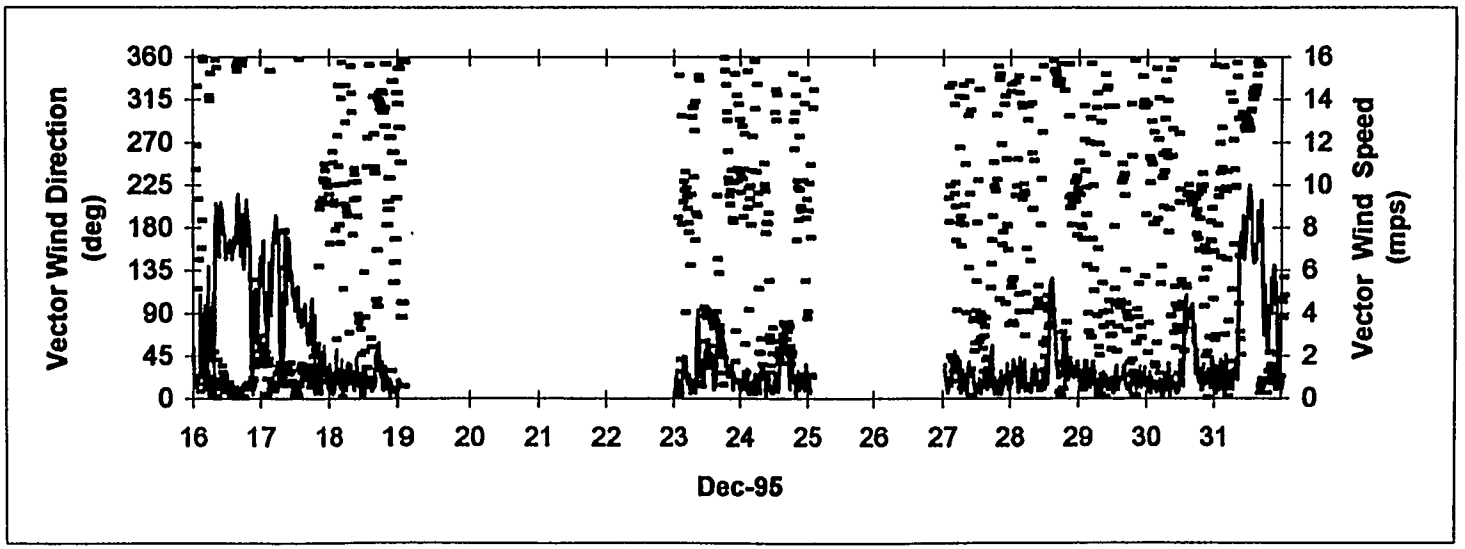

TEMPERATURE DIFFERENCE, 2 TO 16 METER
Deg C
8
6
4
2
0
-2
-4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Dec-95


SOLAR RADIATION
wpm2
1200
1000
800
600
400
200
0
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
Dec-95

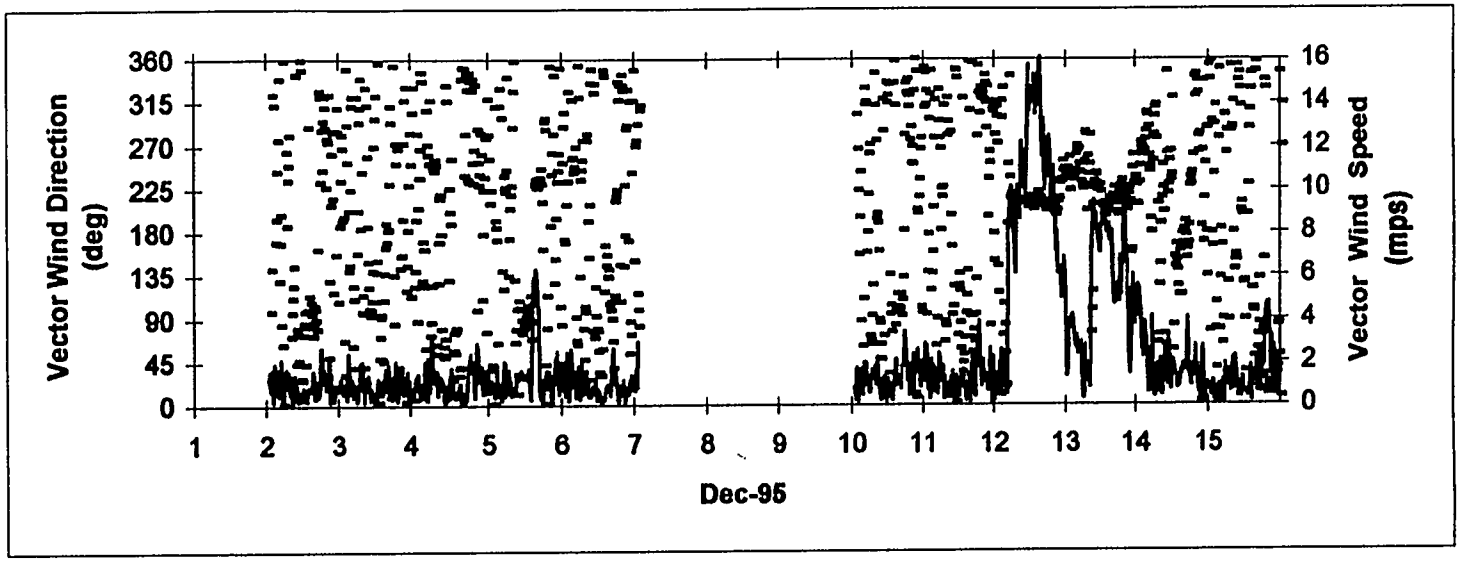

NET RADIATION
wpm2
500
400
300
200
100
0
-100
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Dec-95

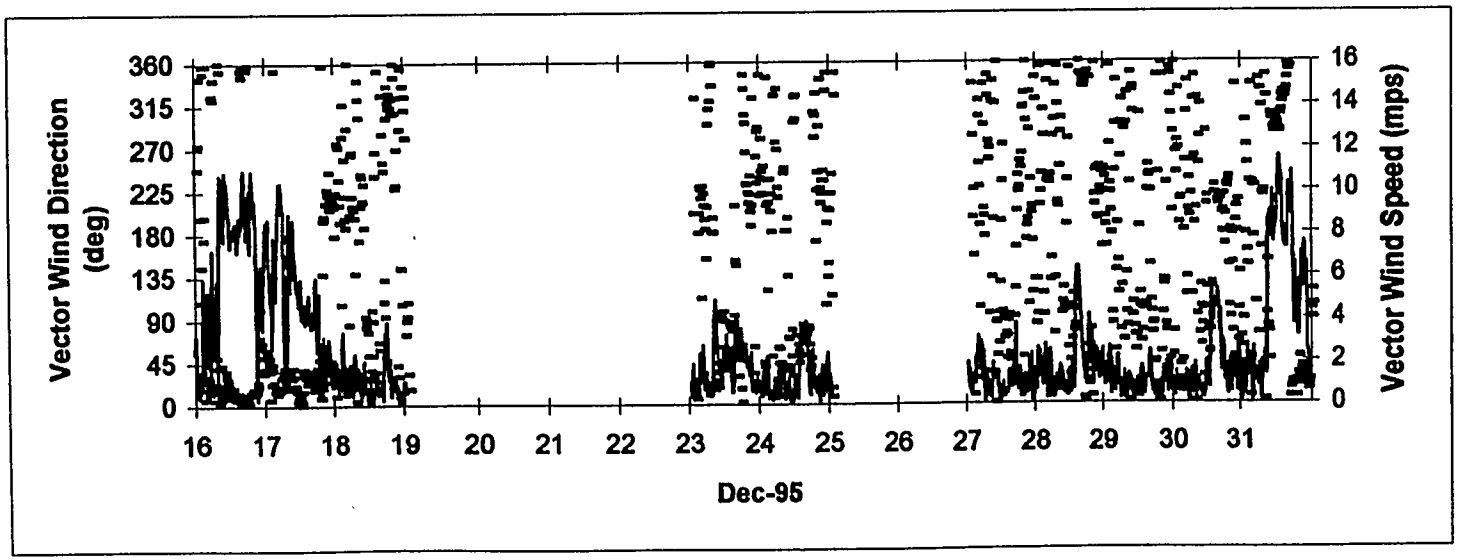
2 METER


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
16
14
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Dec-95


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
16
14
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Dec-95

8 METER


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
16
14
12
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Dec-95


Vector Wind Direction (deg)
360
315
270
225
180
135
90
45
0
Vector Wind Speed (mps)
16
14
12
10
8
6
4
2
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Dec-95

## 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

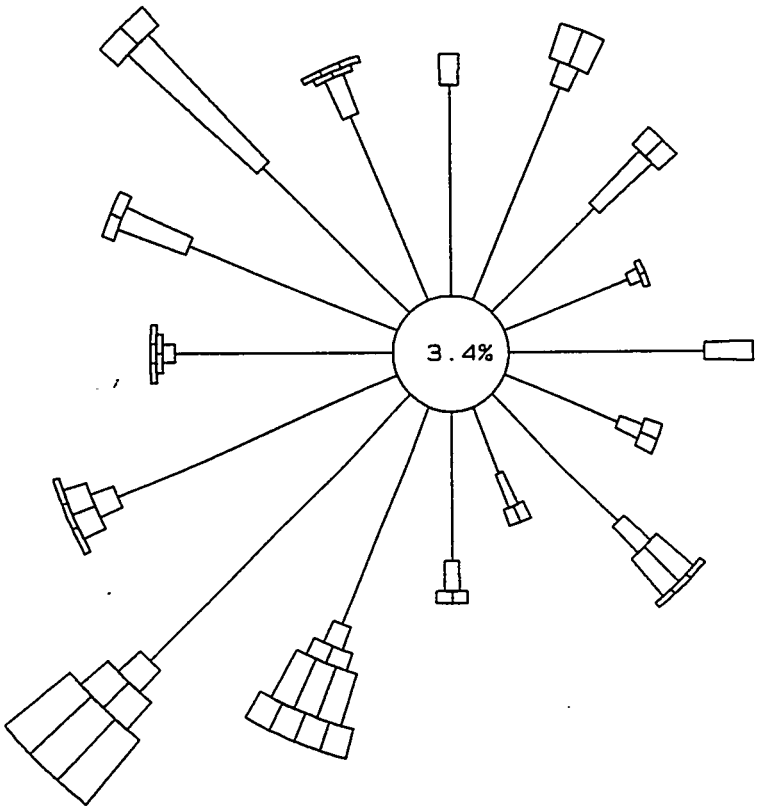
241-252 All Stability Class E, January-December, 1995

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




11.6%
10%

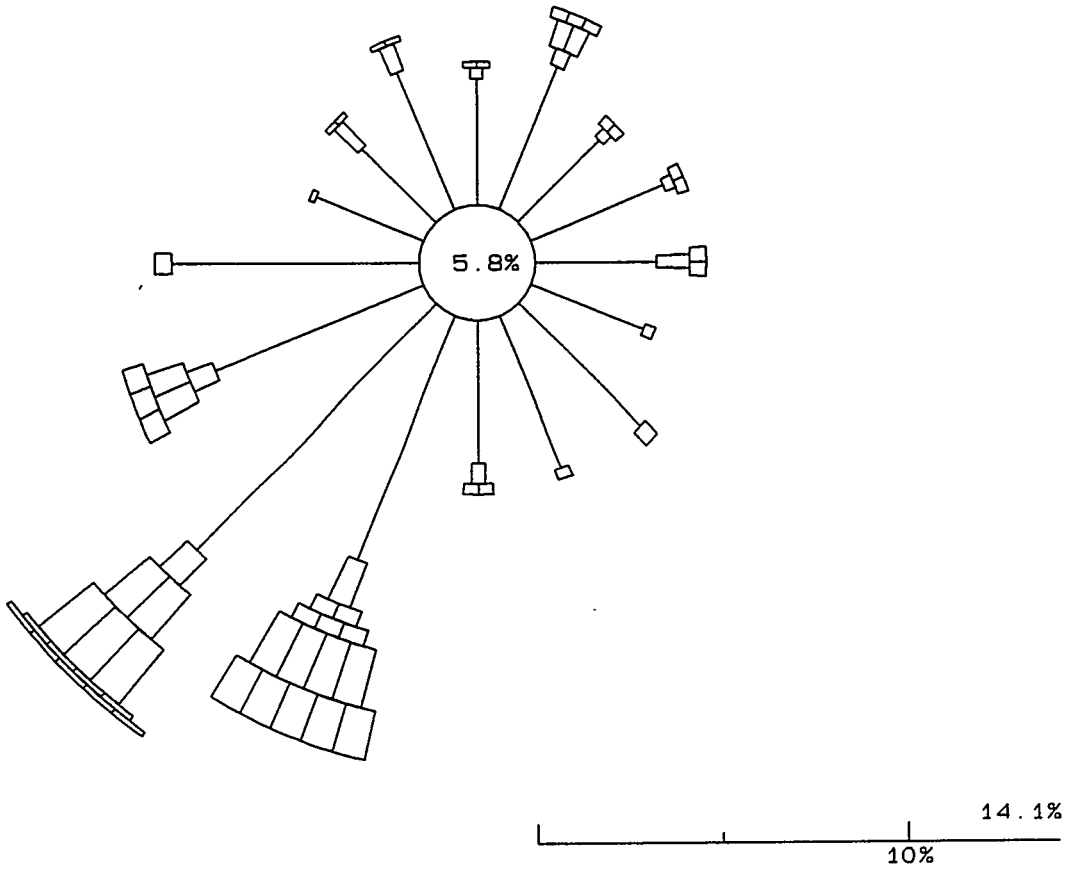
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

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




WIND SPEED CLASSES (MPS)

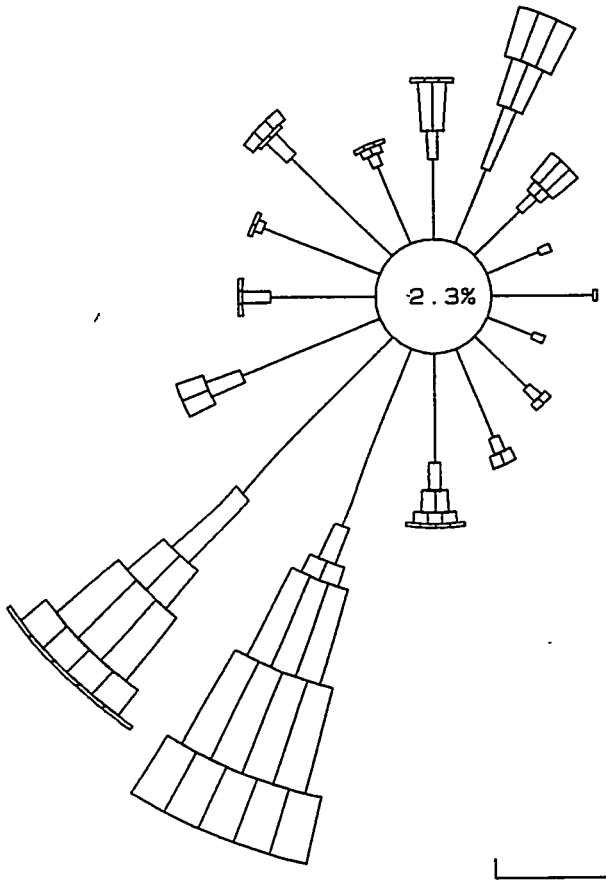
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

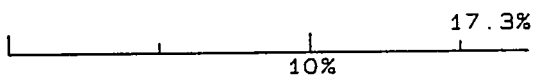
100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours
3/ 1/1995 - 3/31/1995
0 - 2400

N




WIND SPEED CLASSES (MPS)

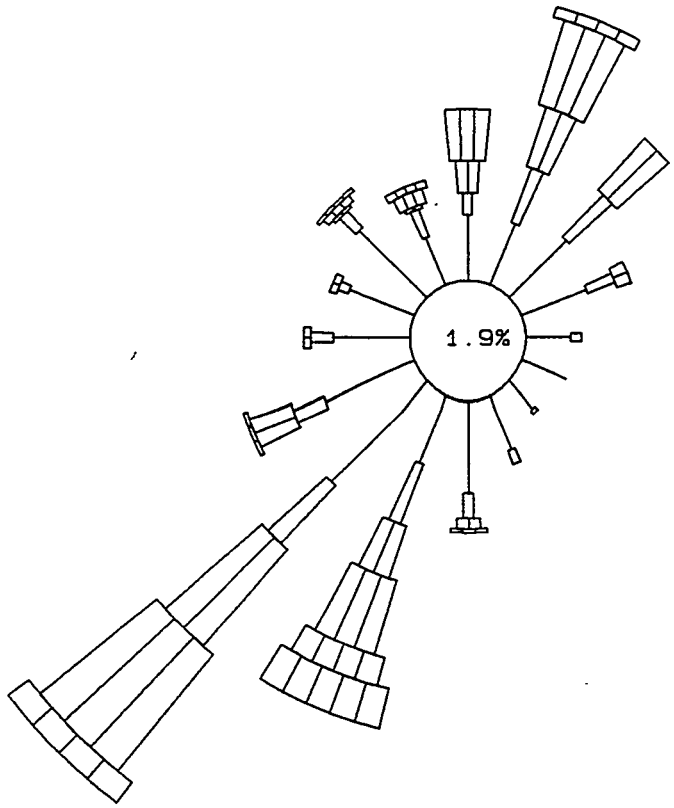
| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | | .5< WS <= 1.8 |
| 2 | | 1.8< WS <= 3.3 |
| 3 | | 3.3< WS <= 5.4 |
| 4 | | 5.4< WS <= 8.5 |
| 5 | | 8.5< WS <=10.8 |
| 6 | | 10.8< WS |

100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours
4/ 1/1995 - 4/30/1995
0 - 2400

N




19.7%
10%

WIND SPEED CLASSES (MPS)

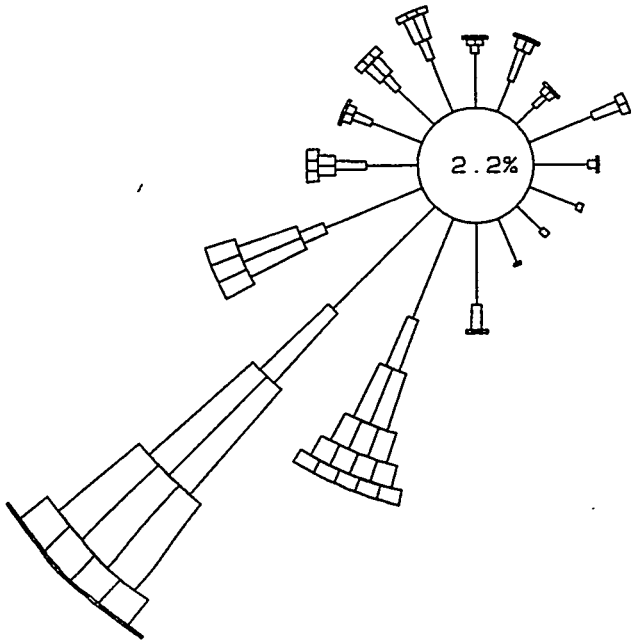
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

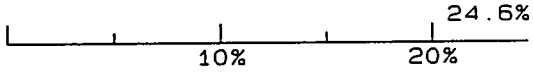
100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours
5/ 1/1995 - 5/31/1995
0 - 2400

N




WIND SPEED CLASSES (MPS)

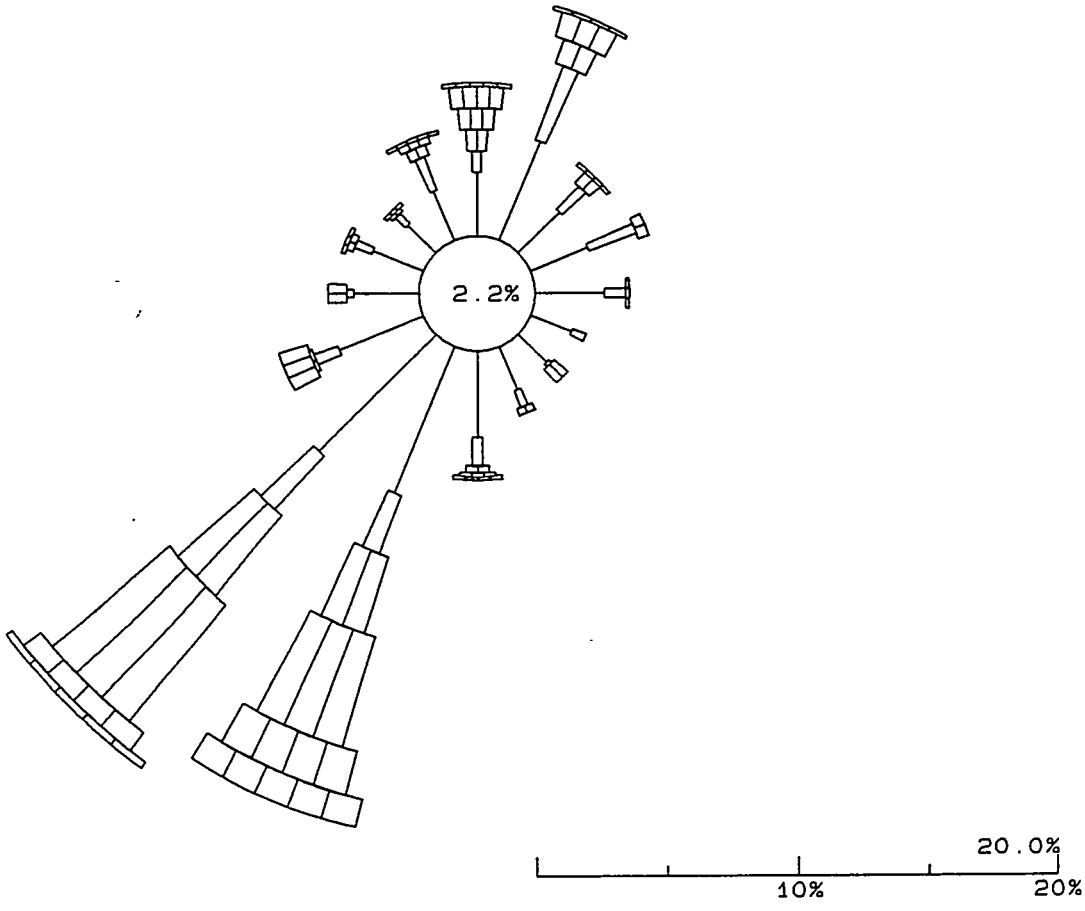
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Total Hours
6/ 1/1995 - 6/30/1995
0 - 2400

N




WIND SPEED CLASSES (MPS)

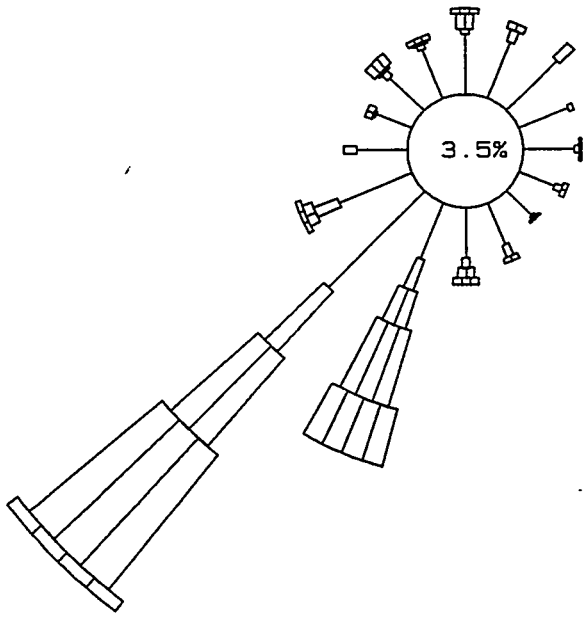
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

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




28.4%
10% 20%

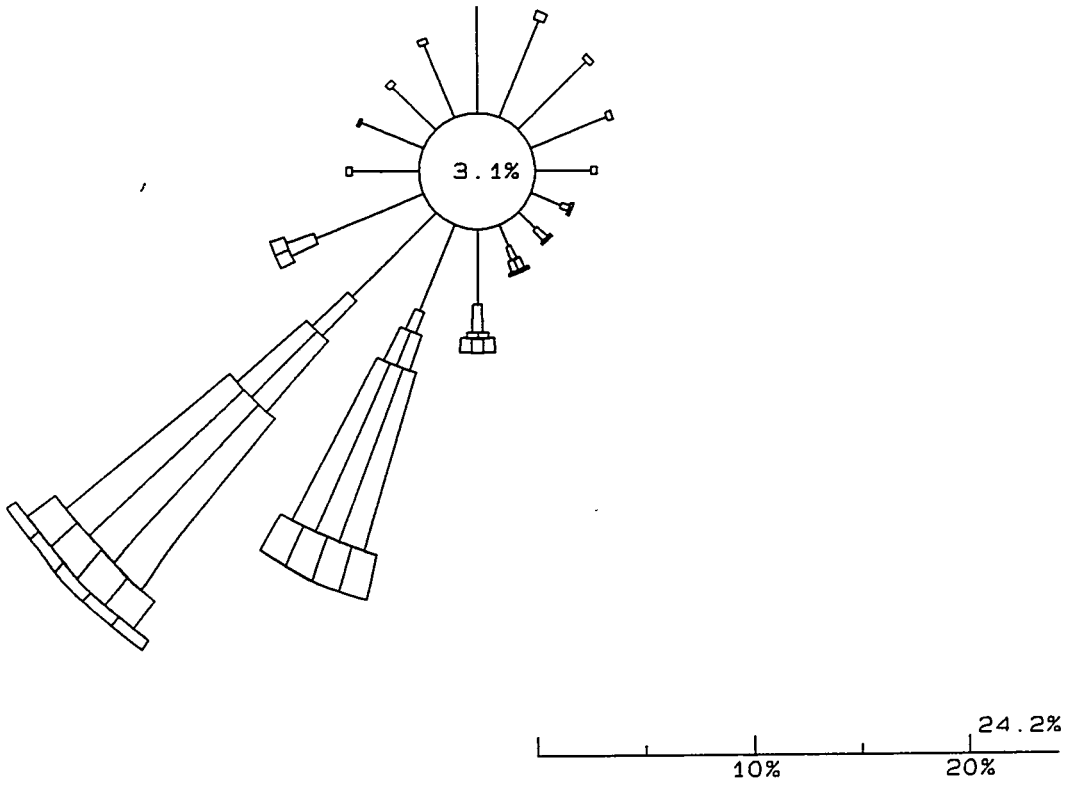
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 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




WIND SPEED CLASSES (MPS)

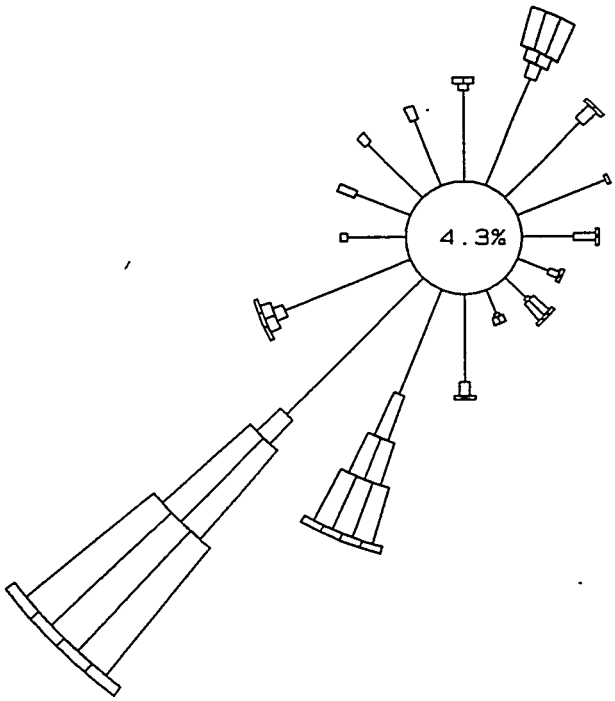
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

99.5% DATA RECOVERED
OF WHICH 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




23.6%
10%
20%

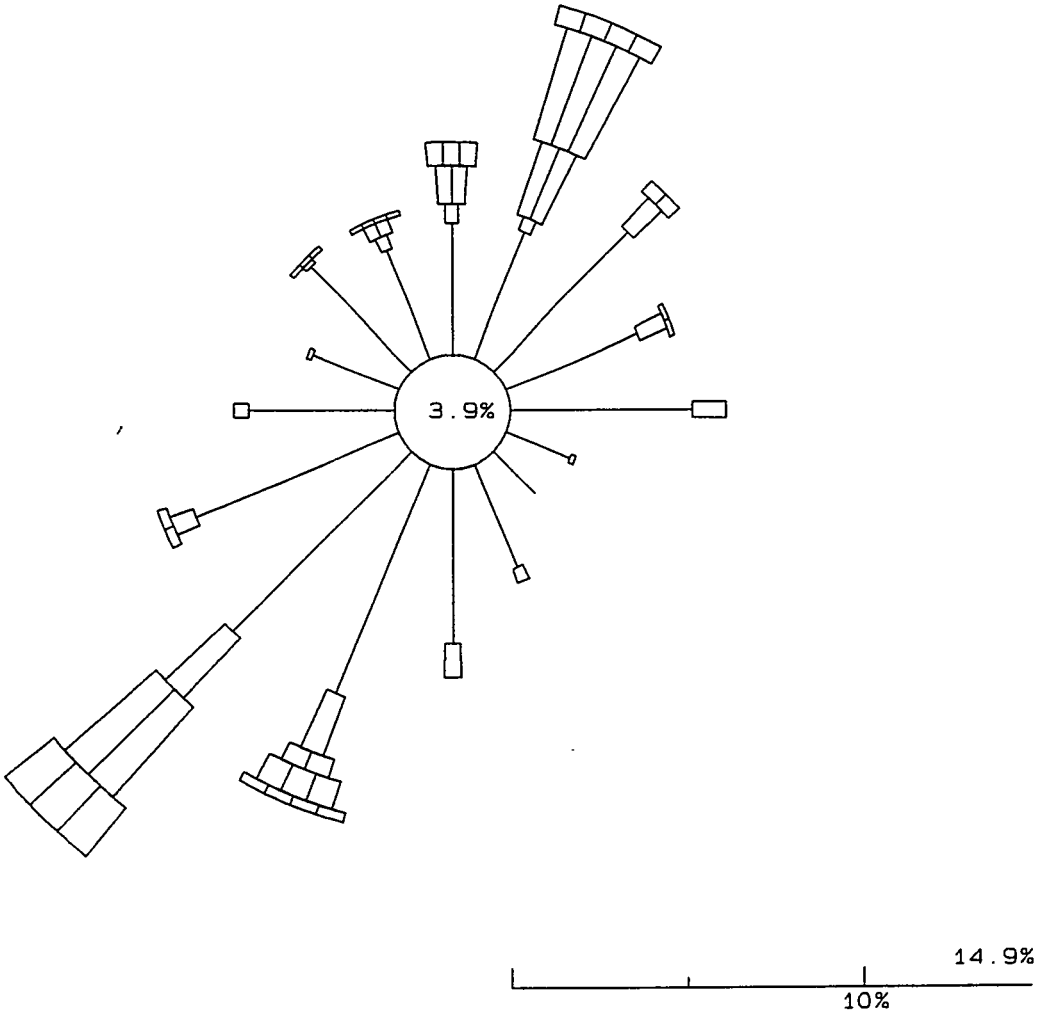
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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

2 METER HEIGHT - Total Hours
10/ 1/1995 - 10/31/1995
0 - 2400



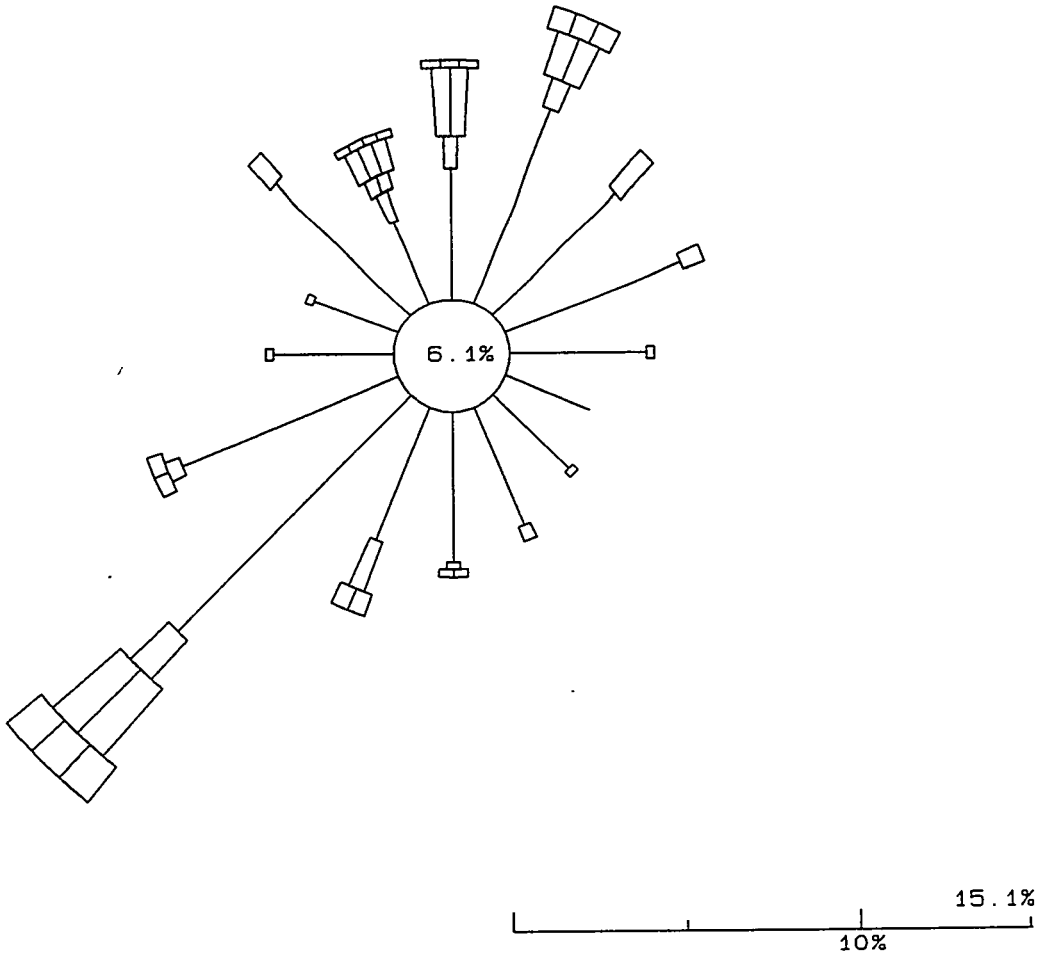

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 0 | 1.8< WS <= 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



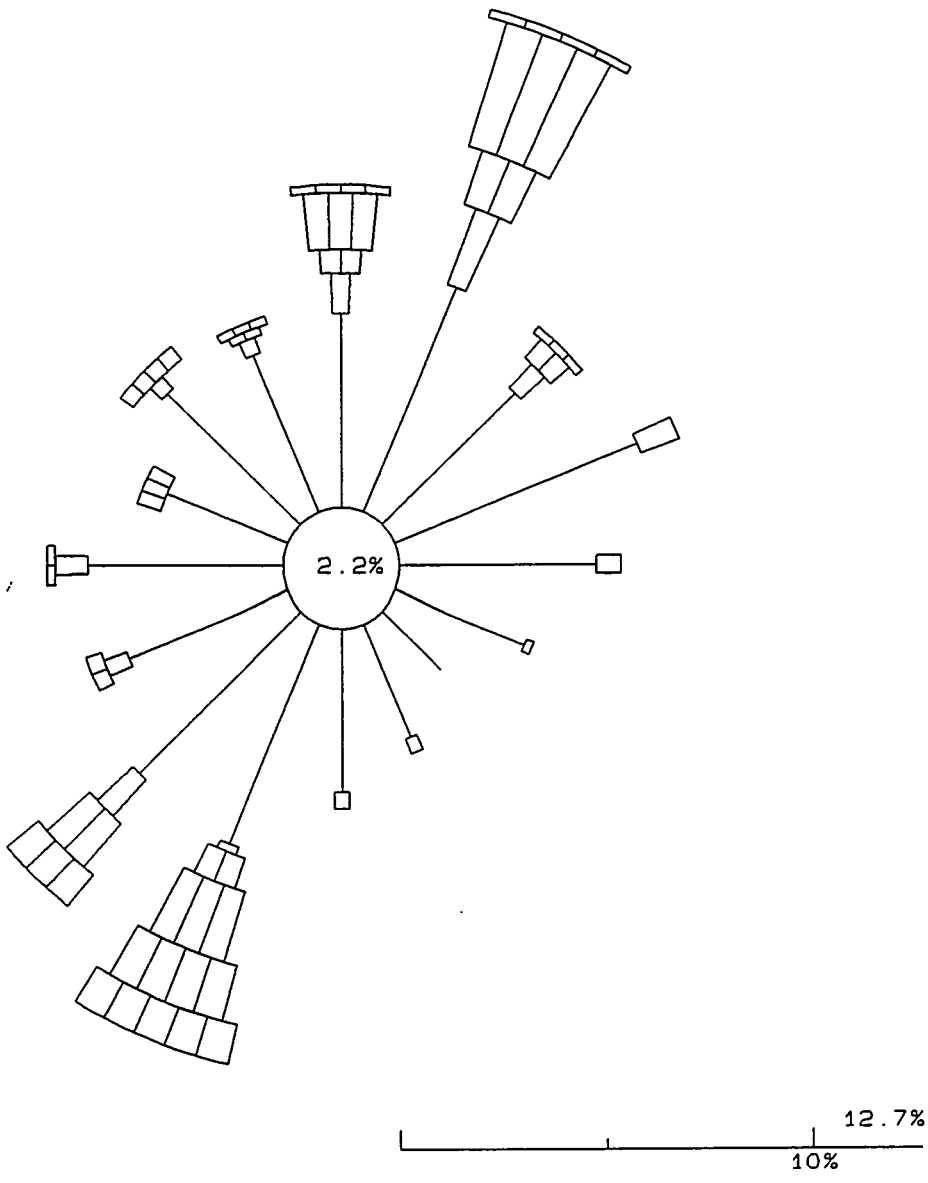

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 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



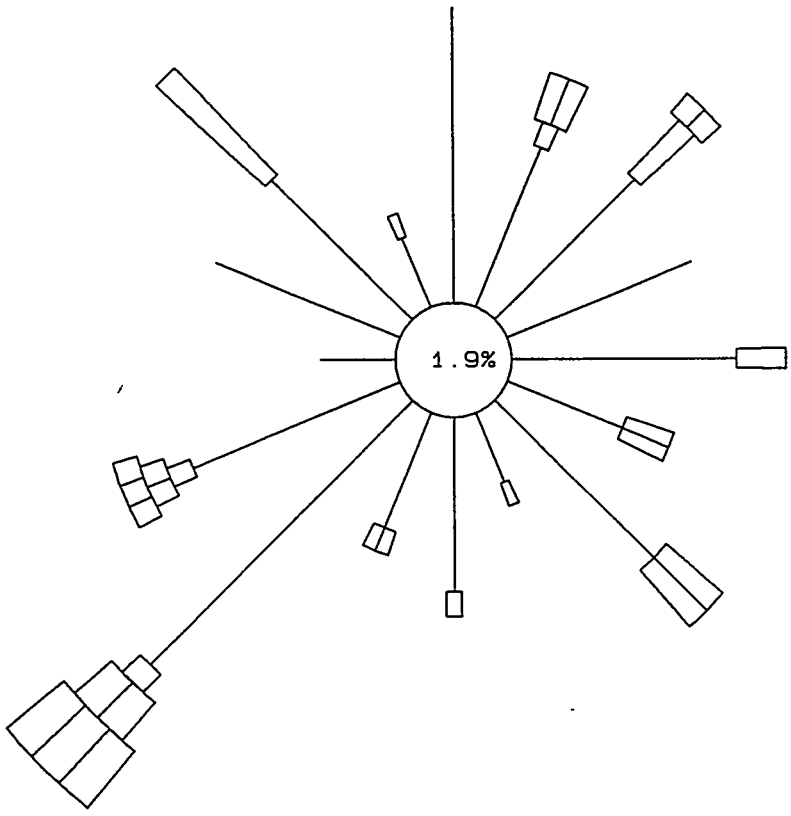

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition
1/ 1/1995 - 1/31/1995
600 - 1000




WIND SPEED CLASSES (MPS)

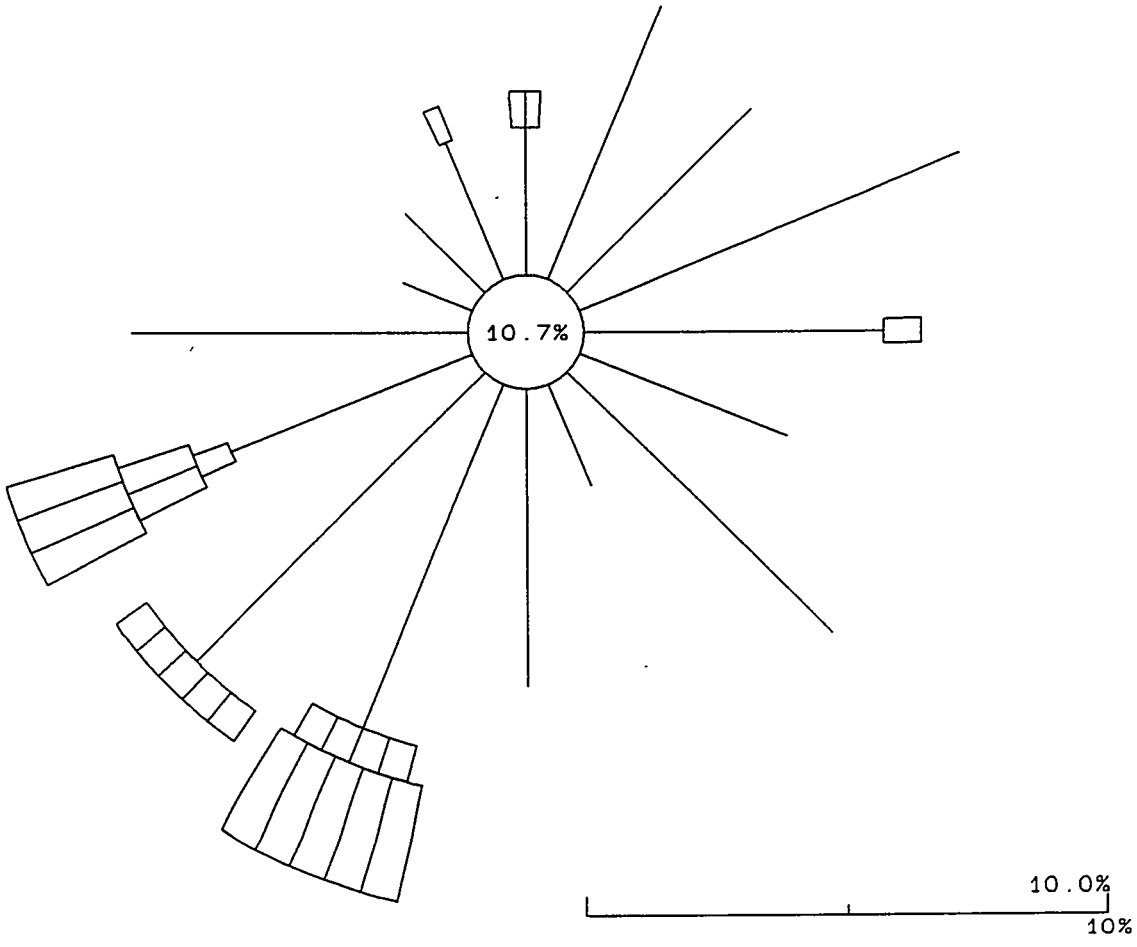
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

100.0% DATA RECOVERED
OF WHICH 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



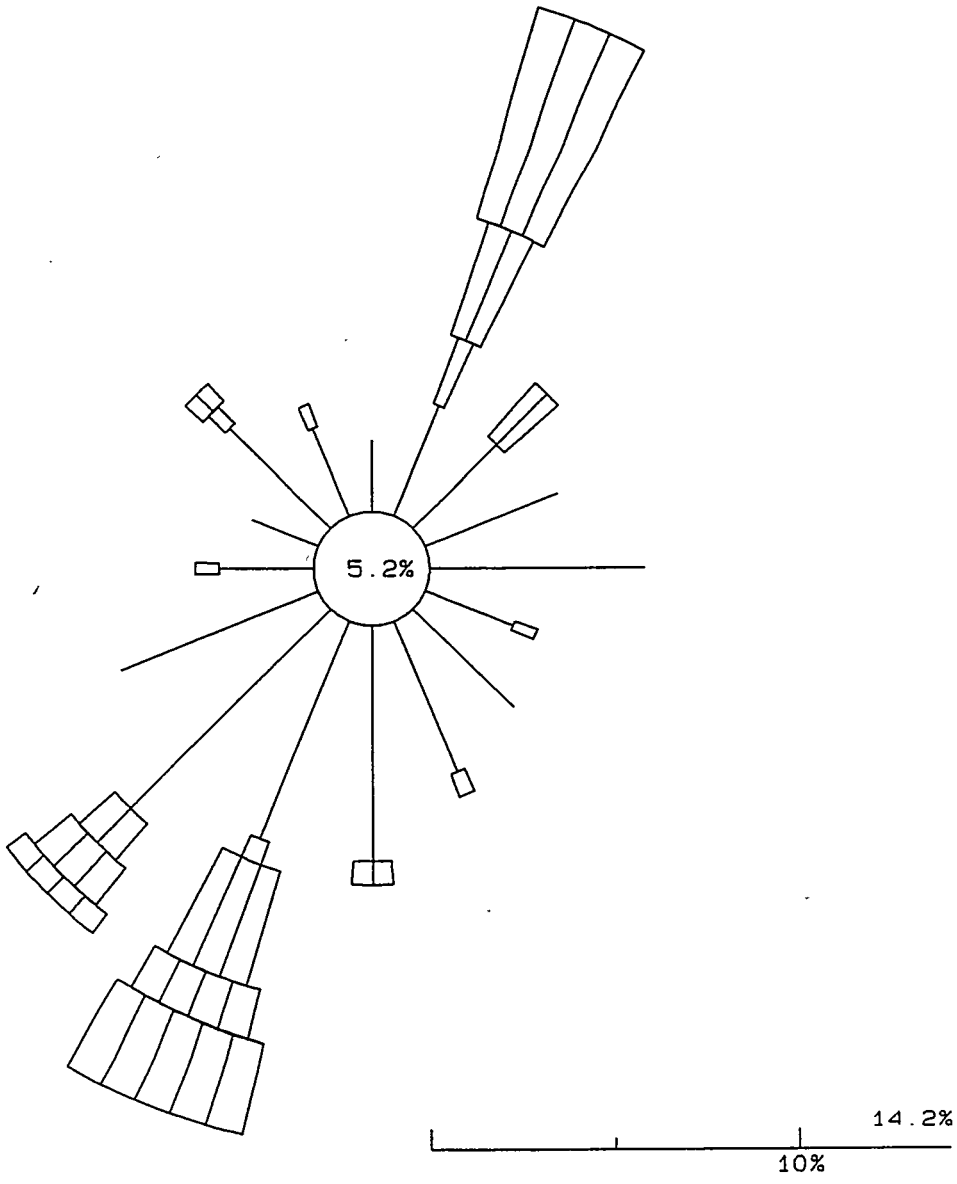

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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



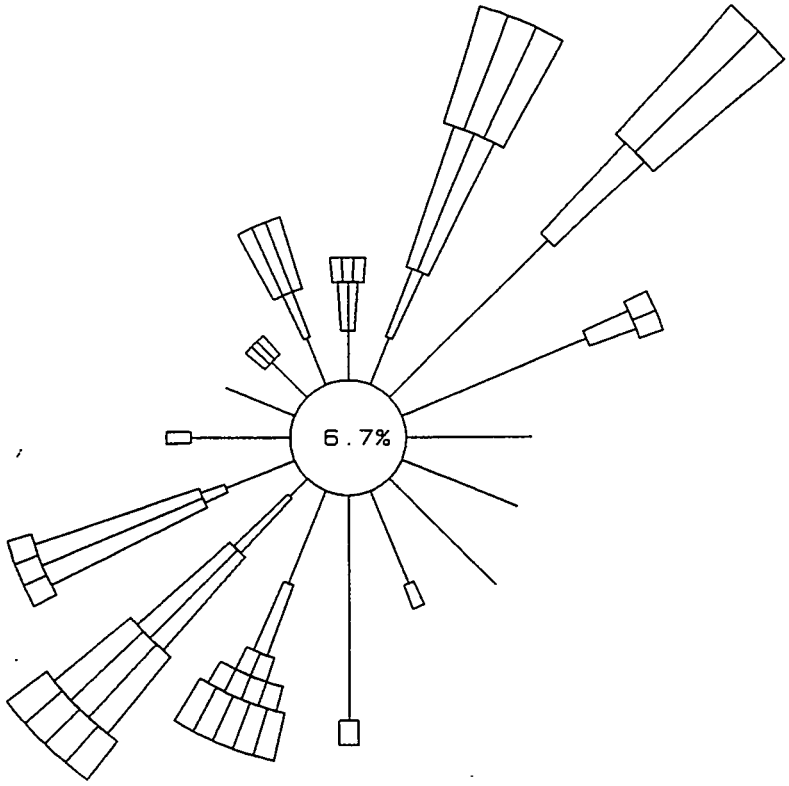

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition
4/ 1/1995 - 4/30/1995
600 - 1000




WIND SPEED CLASSES (MPS)

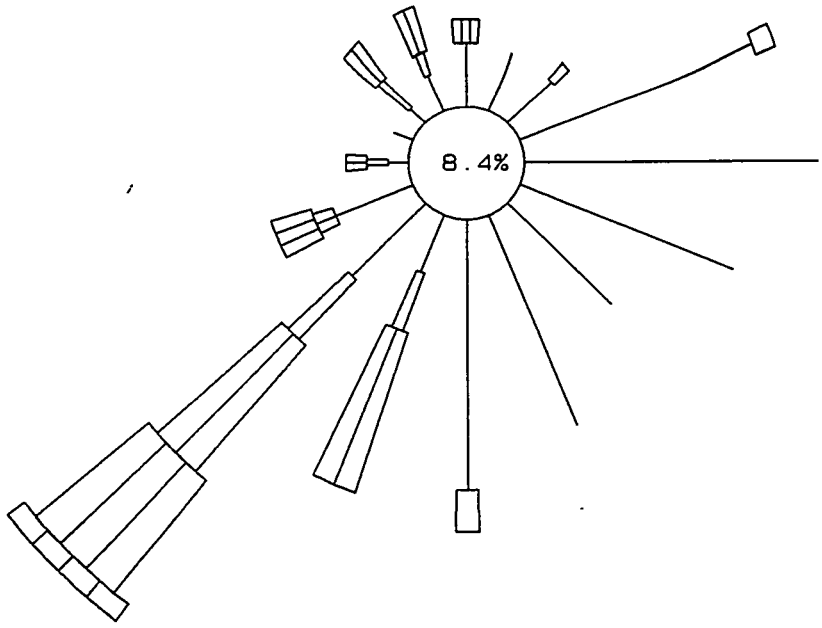
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 3.3 |
| 3 | ▫▫ | 3.3< WS <= 5.4 |
| 4 | ▫▫▫ | 5.4< WS <= 8.5 |
| 5 | ▫▫▫▫ | 8.5< WS <=10.8 |
| 6 | ▫▫▫▫▫ | 10.8< WS |

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




16.1%
10%

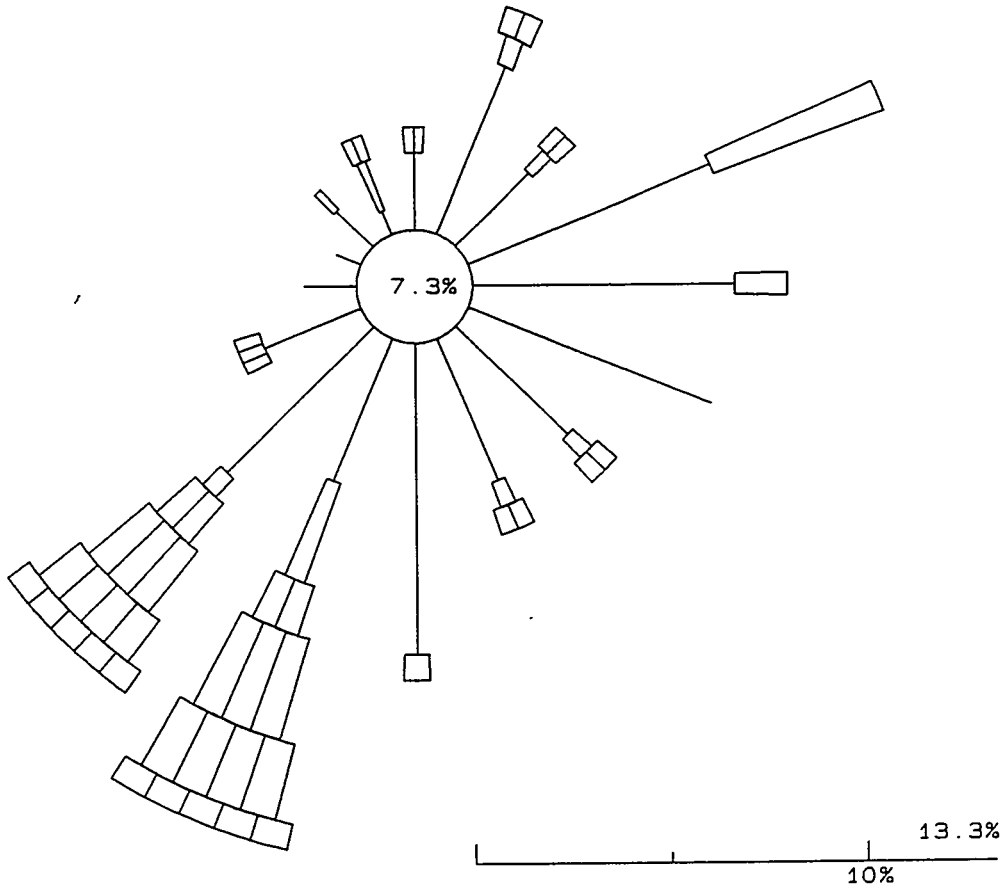
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

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




WIND SPEED CLASSES (MPS)

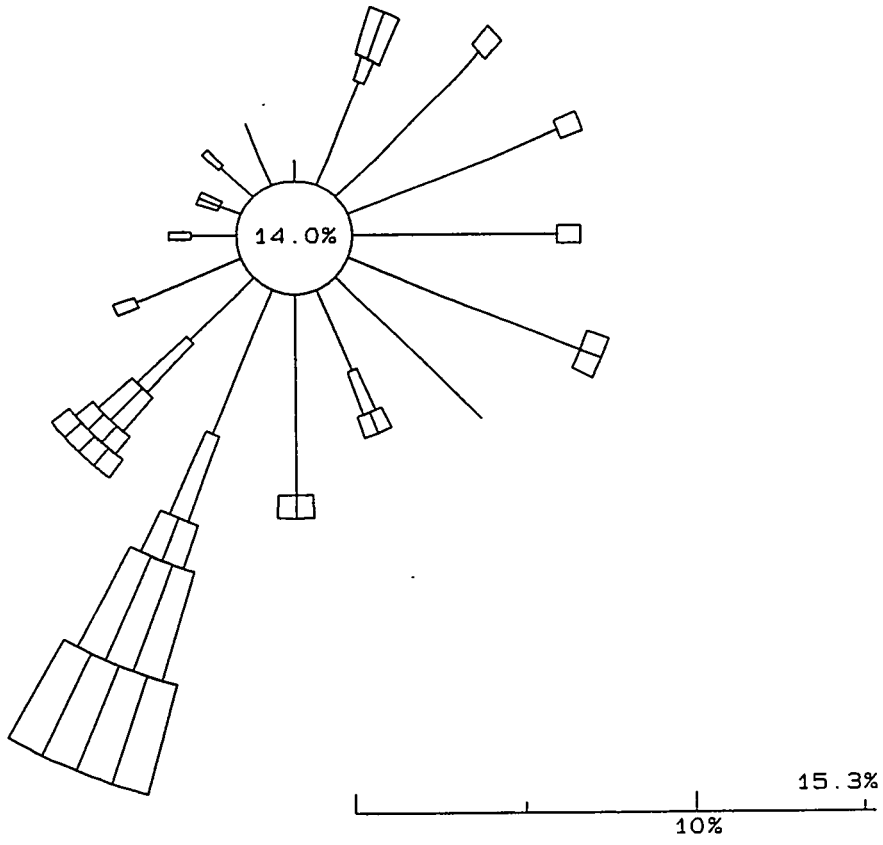
| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | | .5< WS <= 1.8 |
| 2 | | 1.8< WS <= 3.3 |
| 3 | | 3.3< WS <= 5.4 |
| 4 | | 5.4< WS <= 8.5 |
| 5 | | 8.5< WS <=10.8 |
| 6 | | 10.8< WS |

100.0% DATA RECOVERED
OF WHICH 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



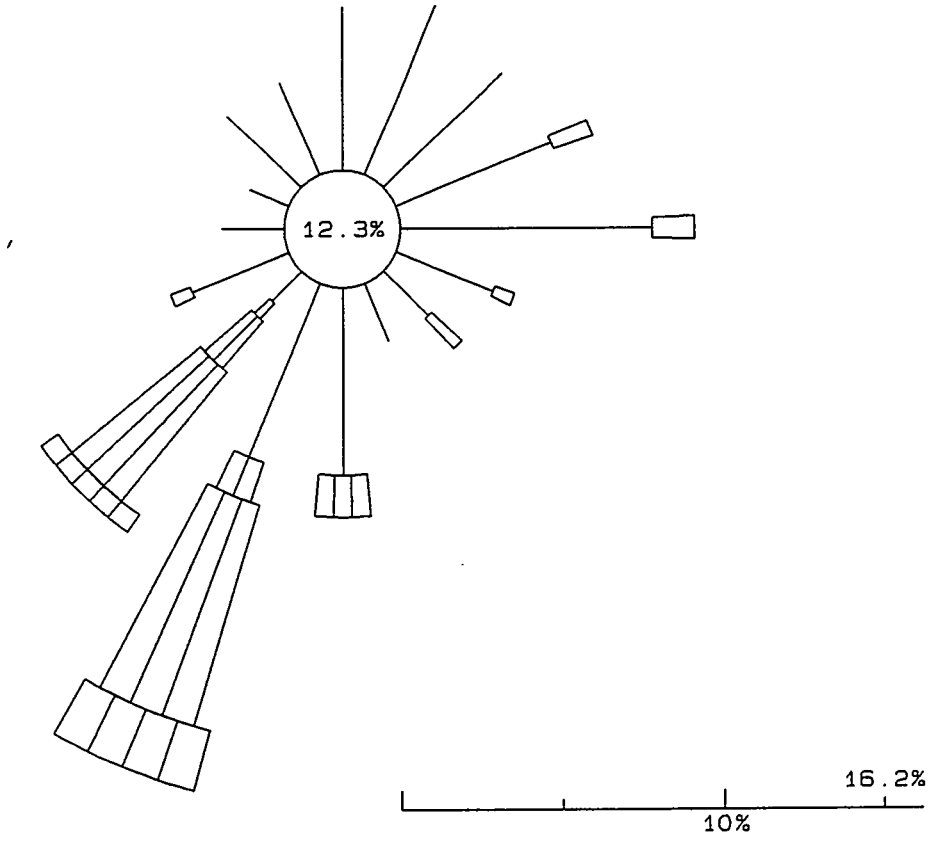

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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

2 METER HEIGHT - Morning Transition
8/ 1/1995 - 8/31/1995
600 - 1000



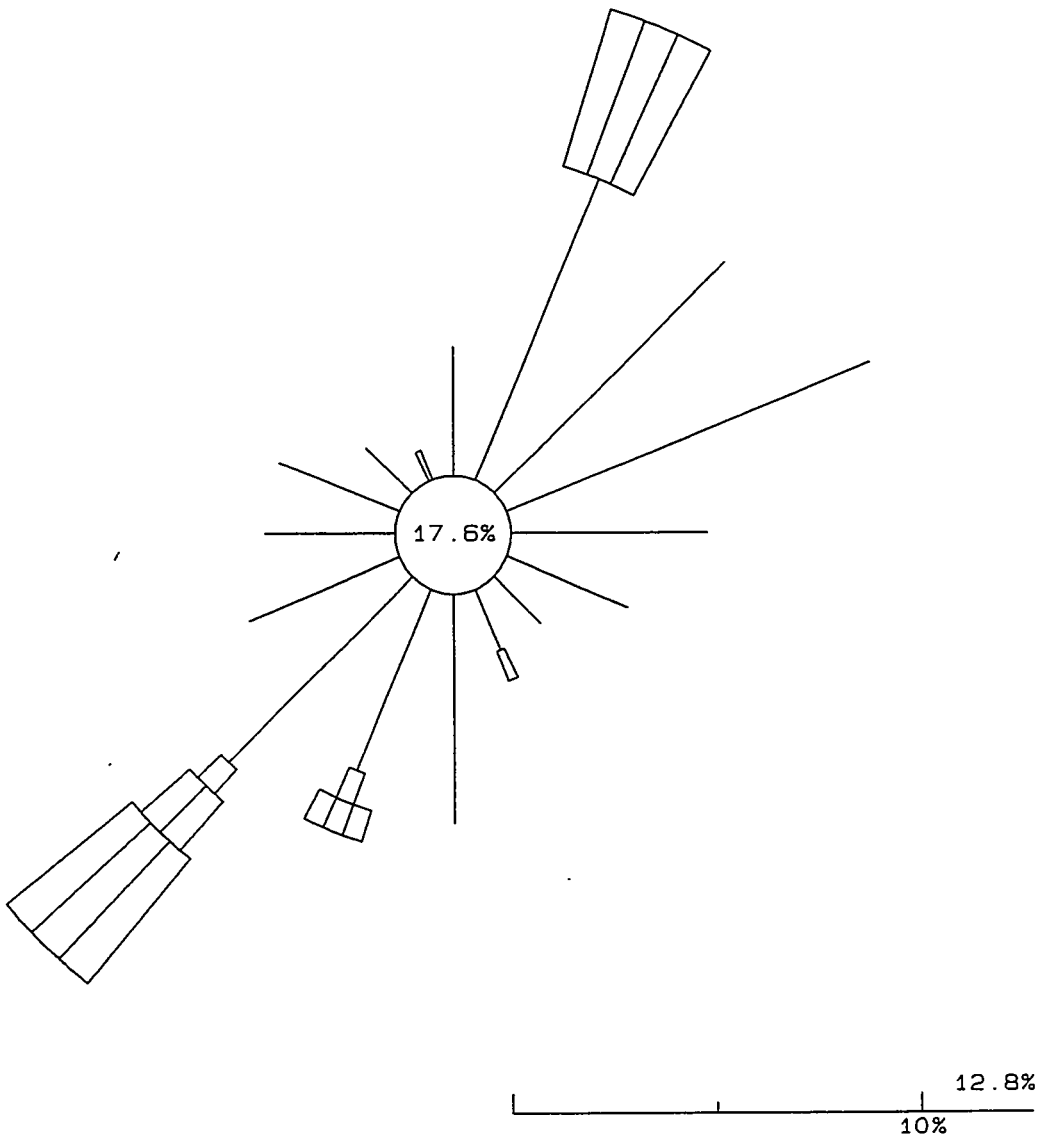

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition
9/ 1/1995 - 9/30/1995
600 - 1000



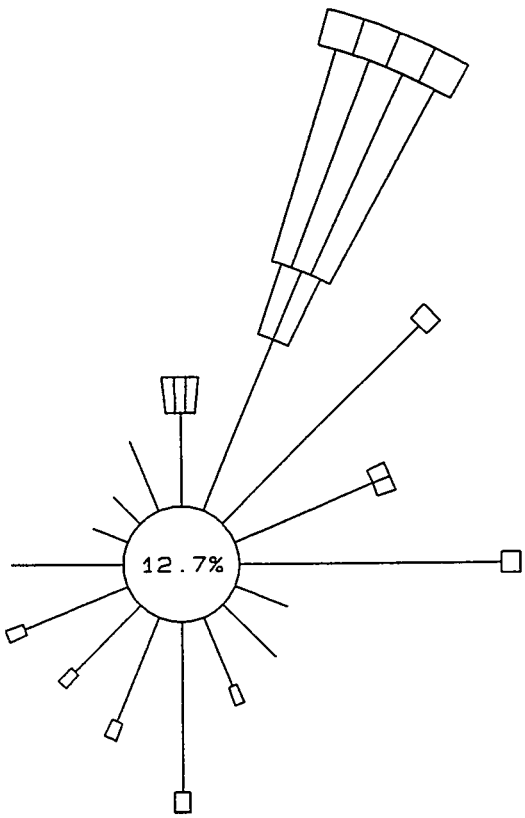

WIND SPEED CLASSES (MPS)

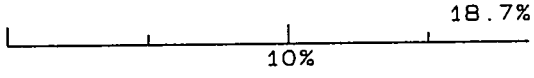
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

83.5% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition
10/ 1/1995 - 10/31/1995
600 - 1000



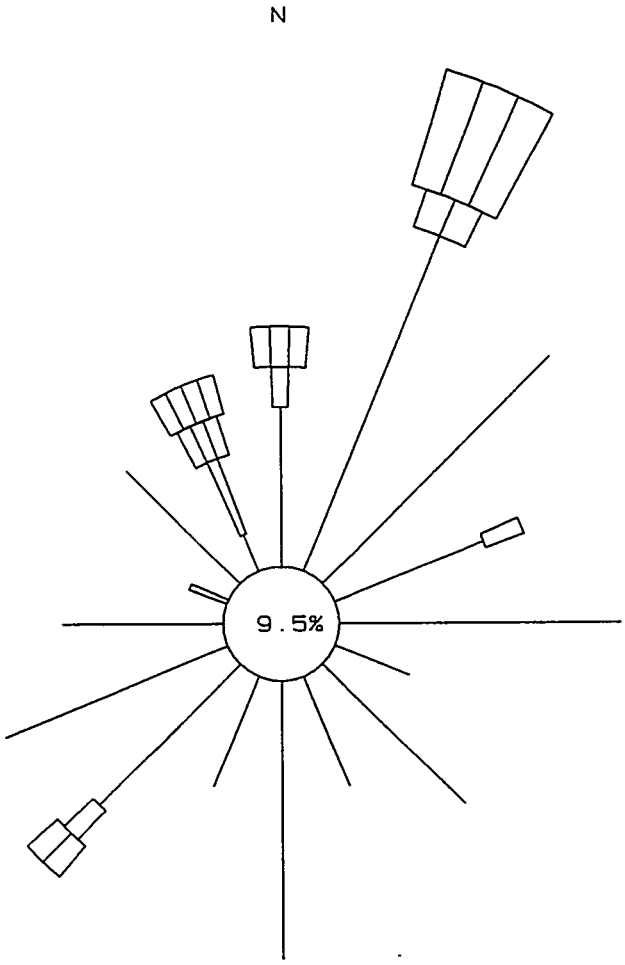

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | O | 1.8< WS <= 3.3 |
| 3 | OO | 3.3< WS <= 5.4 |
| 4 | OOO | 5.4< WS <= 8.5 |
| 5 | OOOO | 8.5< WS <=10.8 |
| 6 | OOOOO | 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



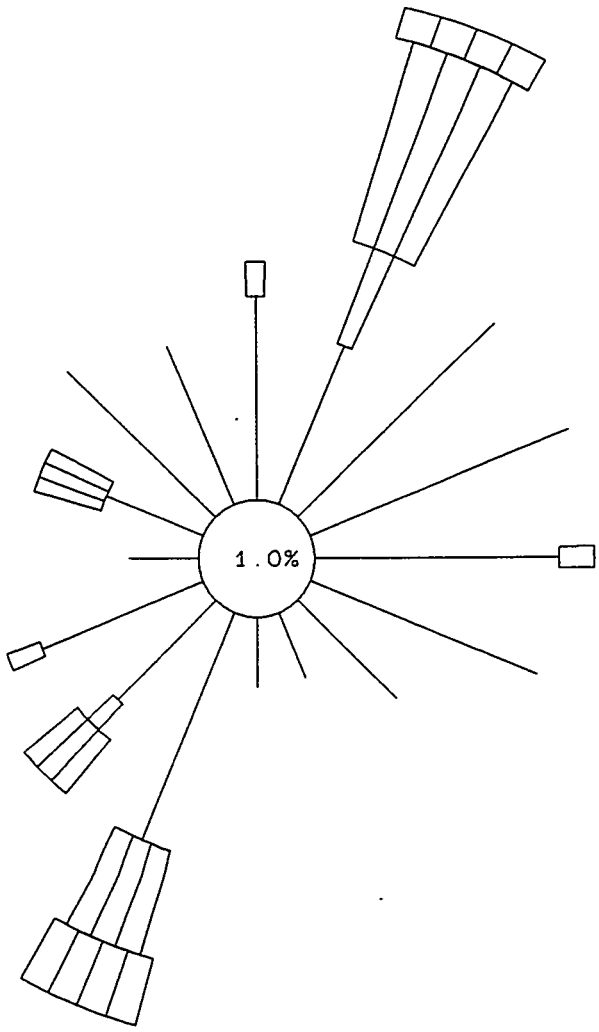

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.7% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Morning Transition
12/ 1/1995 - 12/31/1995
600 - 1000



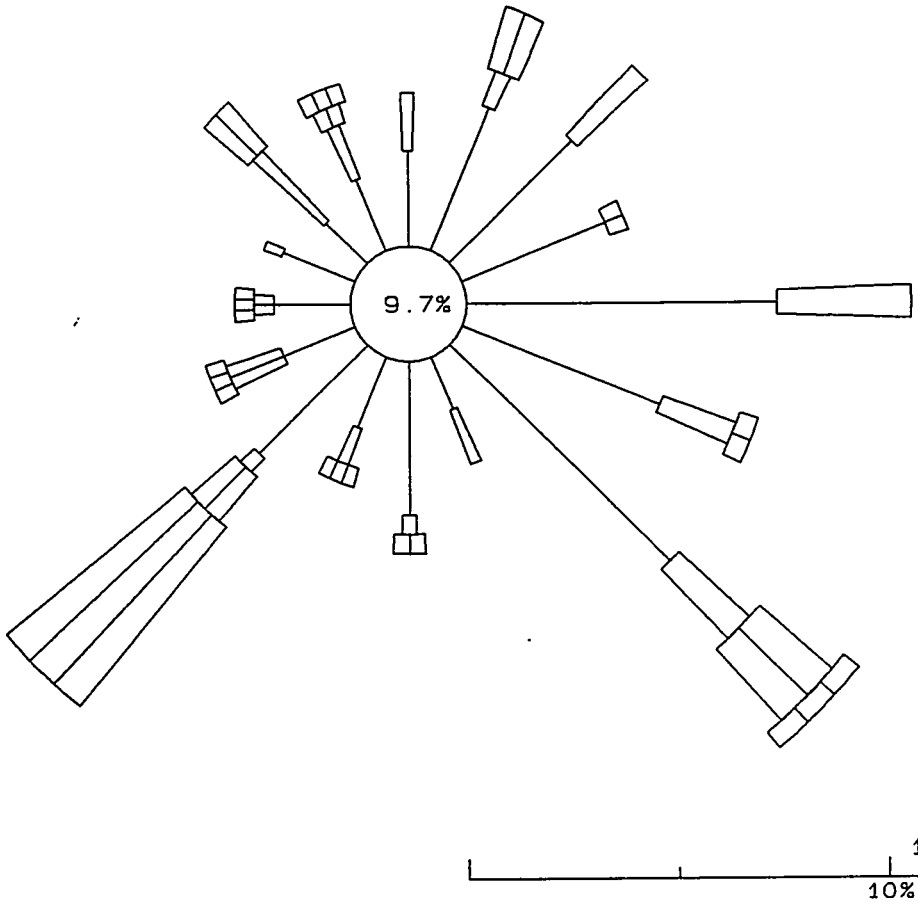

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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

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



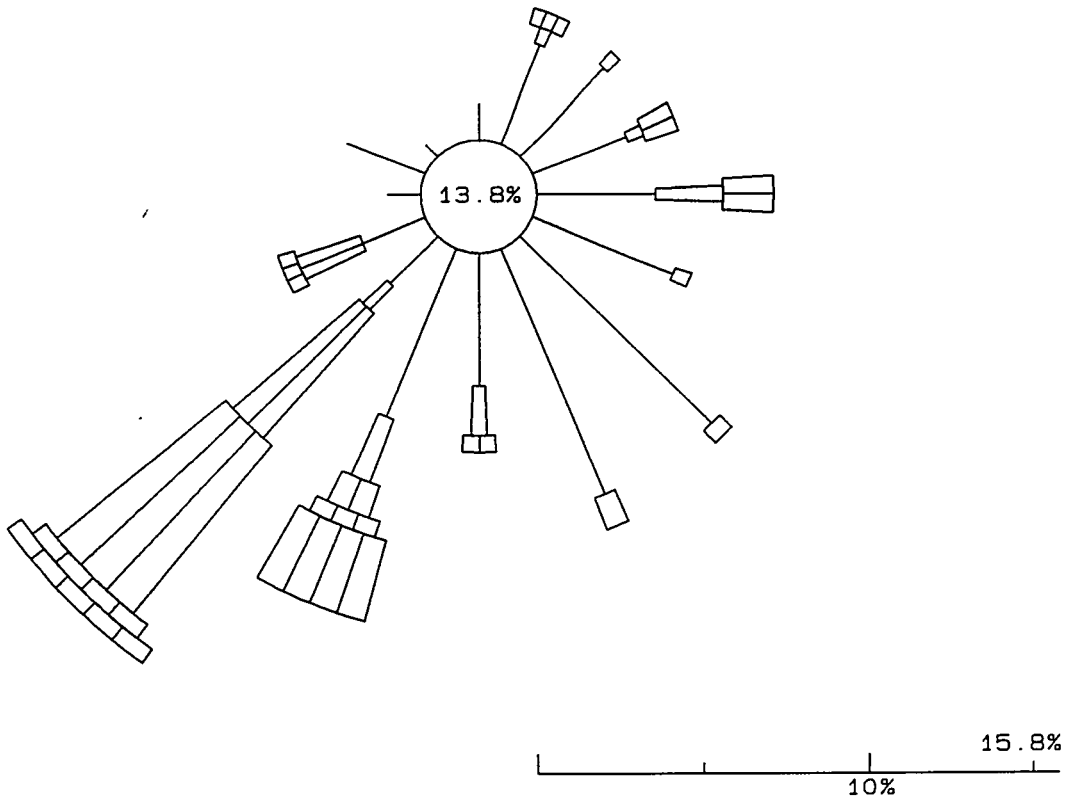

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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
2/ 1/1995 - 2/28/1995
1000 - 1600



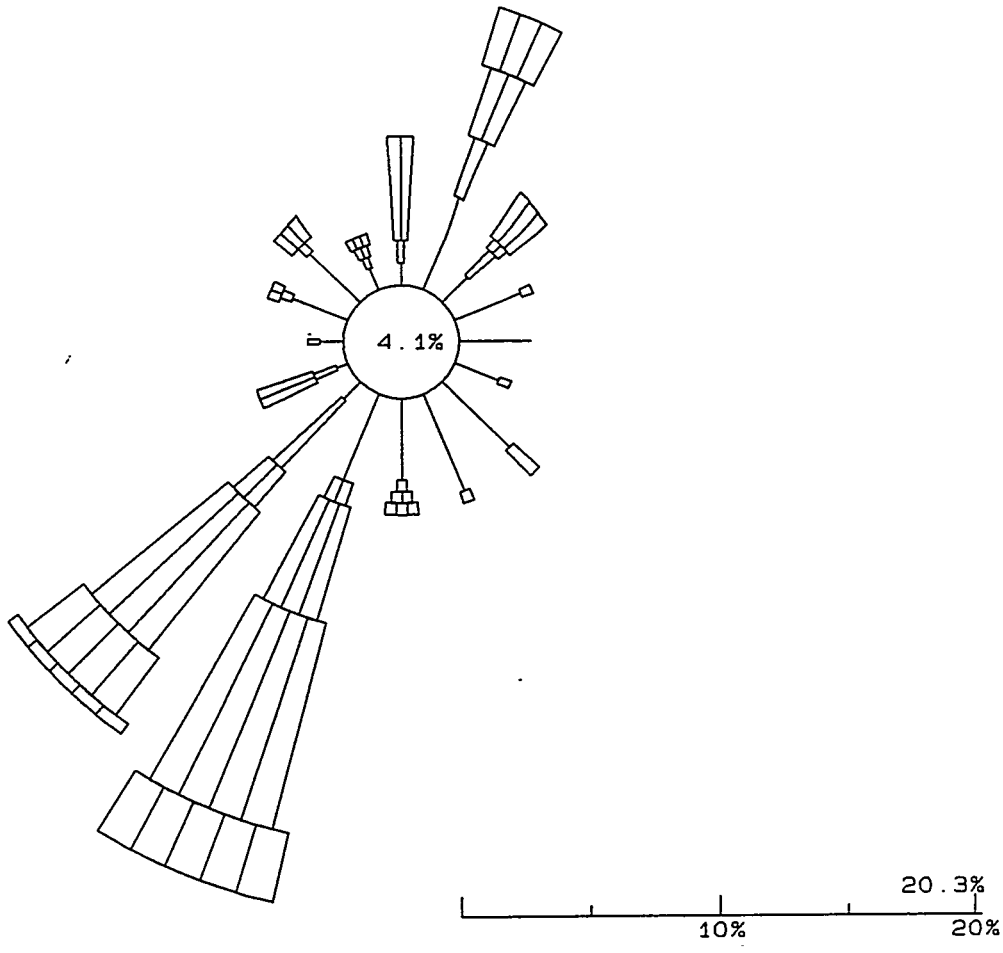

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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
3/ 1/1995 - 3/31/1995
1000 - 1600



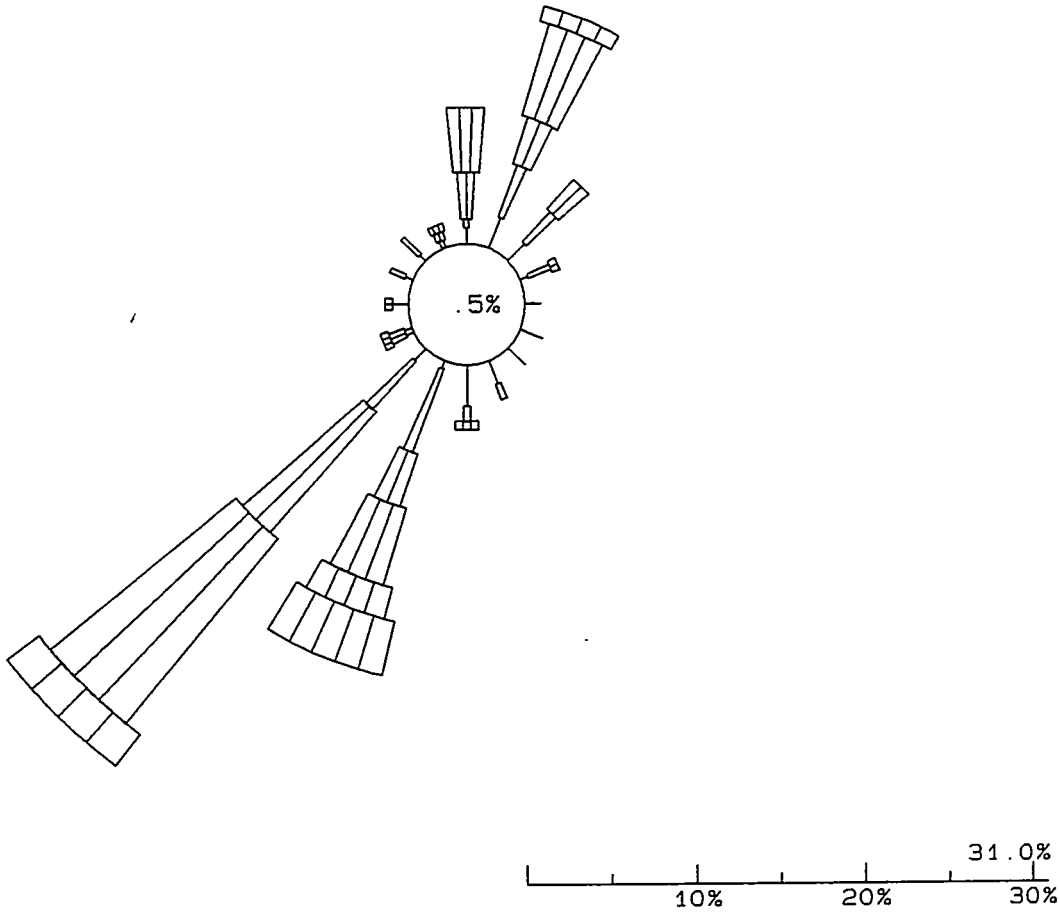

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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
4/ 1/1995 - 4/30/1995
1000 - 1600




WIND SPEED CLASSES (MPS)

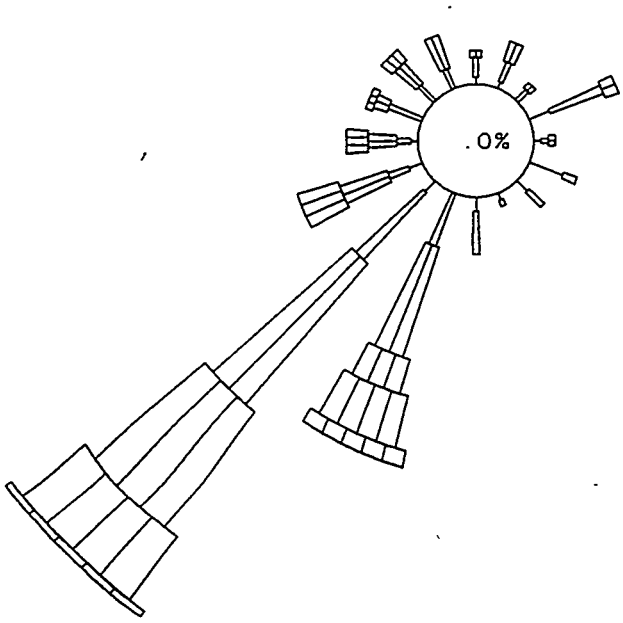
| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 2 | 1.8< WS <= 3.3 |
| 3 | 3 | 3.3< WS <= 5.4 |
| 4 | 4 | 5.4< WS <= 8.5 |
| 5 | 5 | 8.5< WS <=10.8 |
| 6 | 6 | 10.8< WS |

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




33.6%
10% 20% 30%

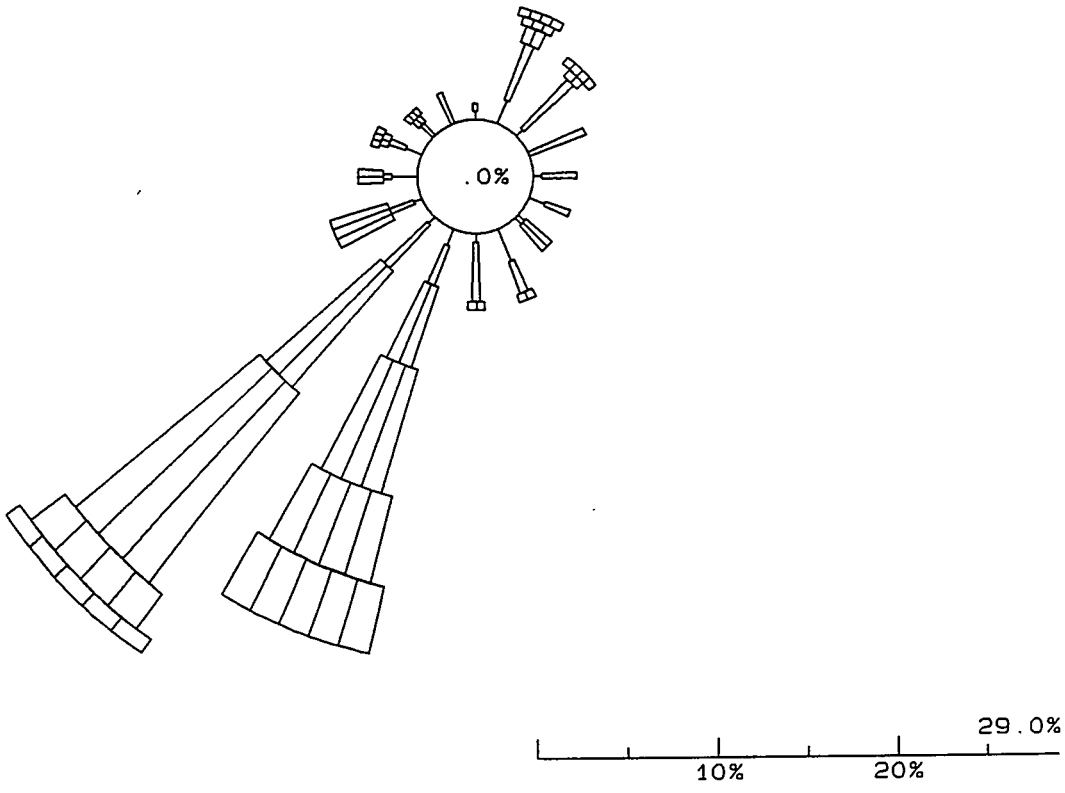
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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



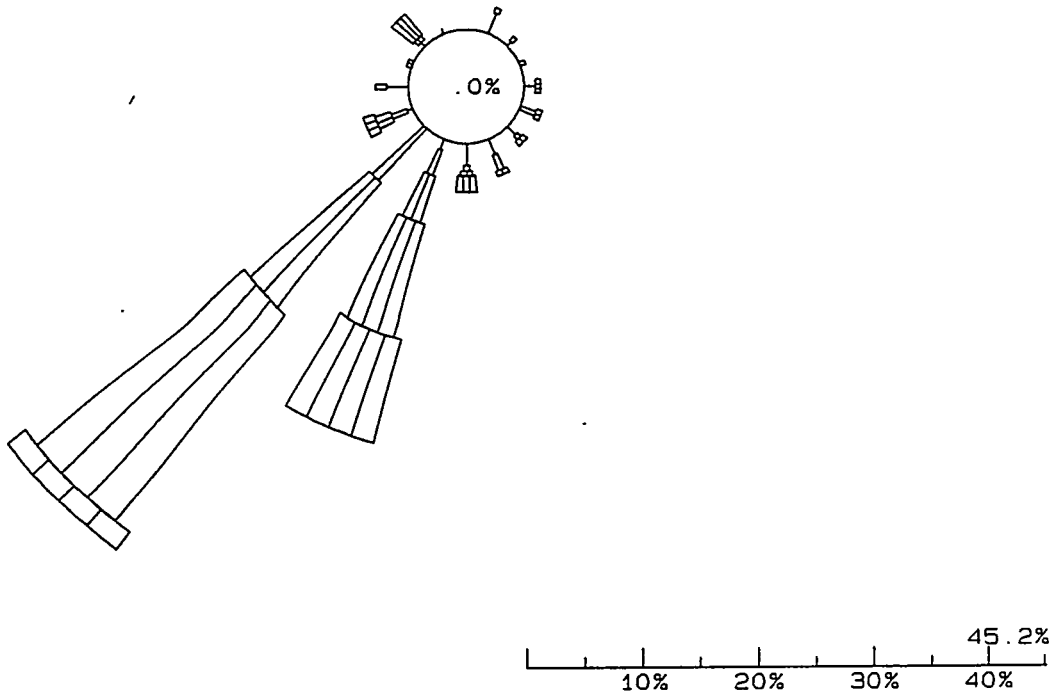

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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
7/ 1/1995 - 7/31/1995
1000 - 1600



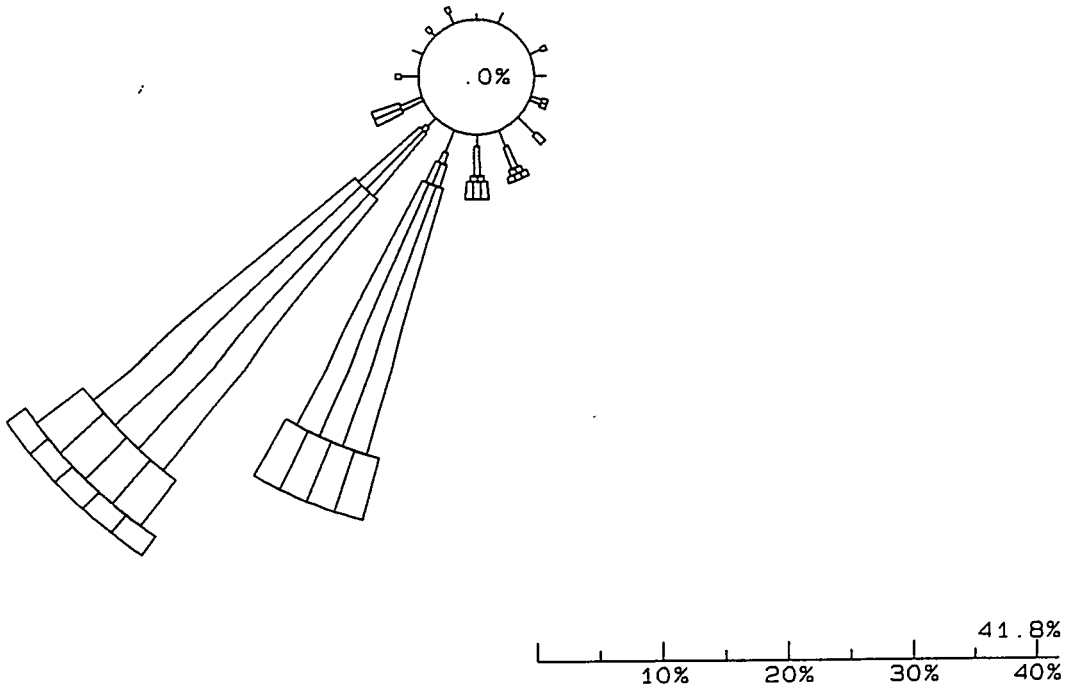

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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



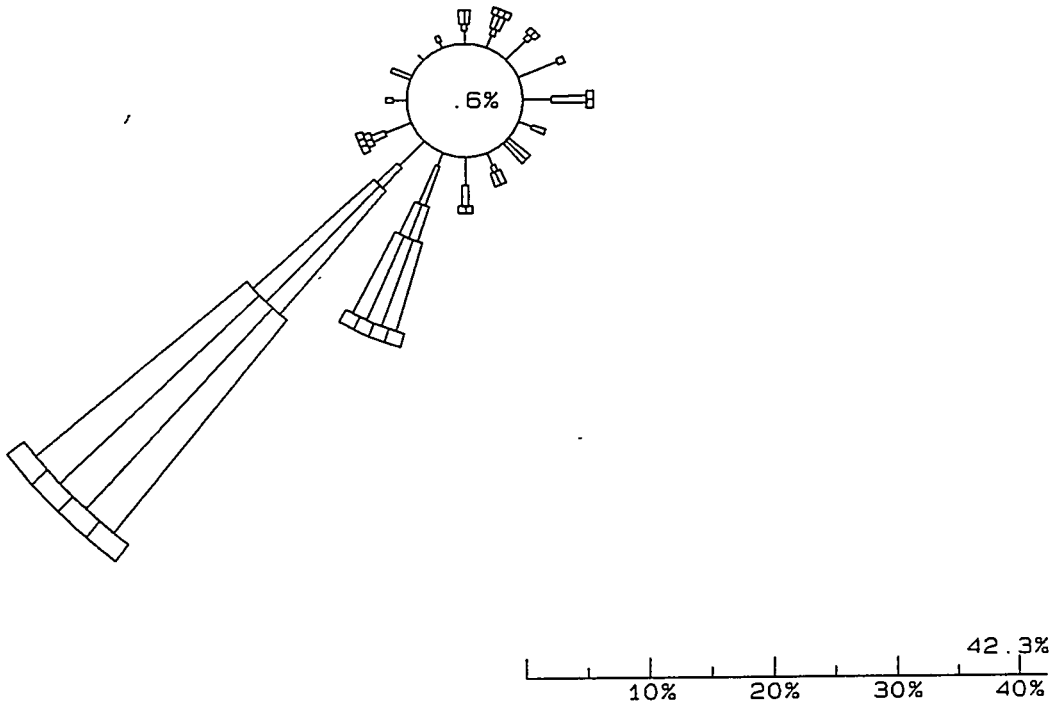

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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




WIND SPEED CLASSES (MPS)

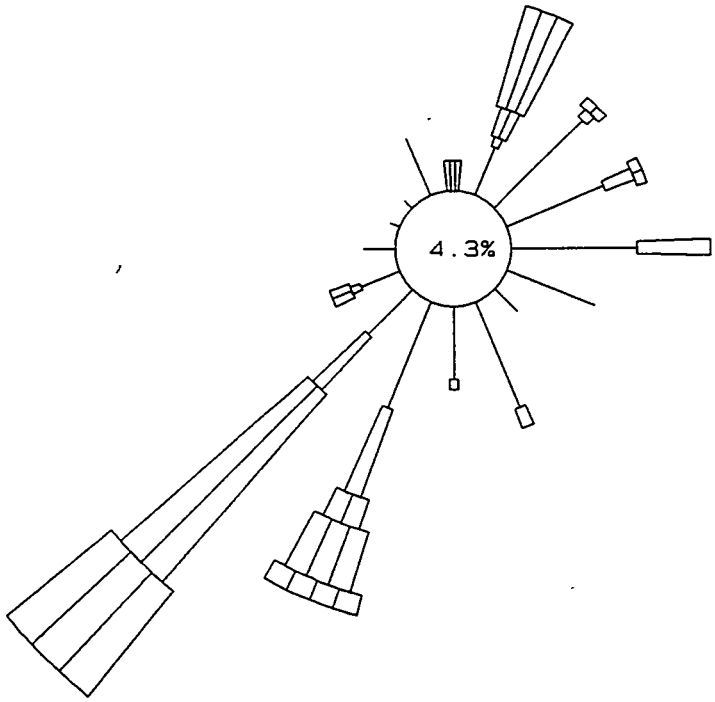
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

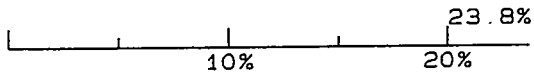
83.5% DATA RECOVERED
OF WHICH 29.1% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Late Mid-Day
10/ 1/1995 - 10/31/1995
1000 - 1600

N



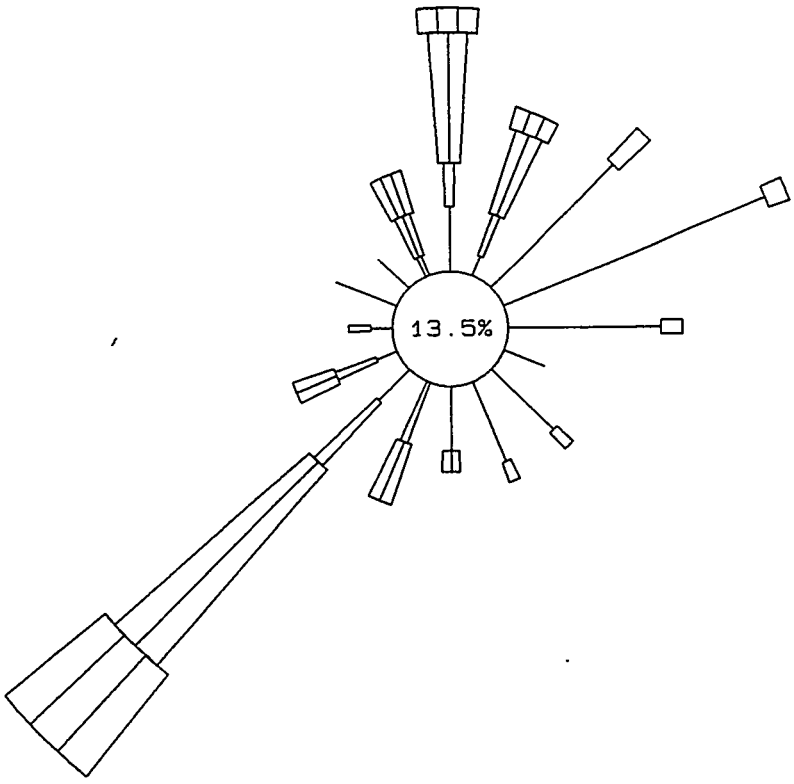

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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

2 METER HEIGHT - Late Mid-Day
11/ 1/1995 - 11/30/1995
1000 - 1600



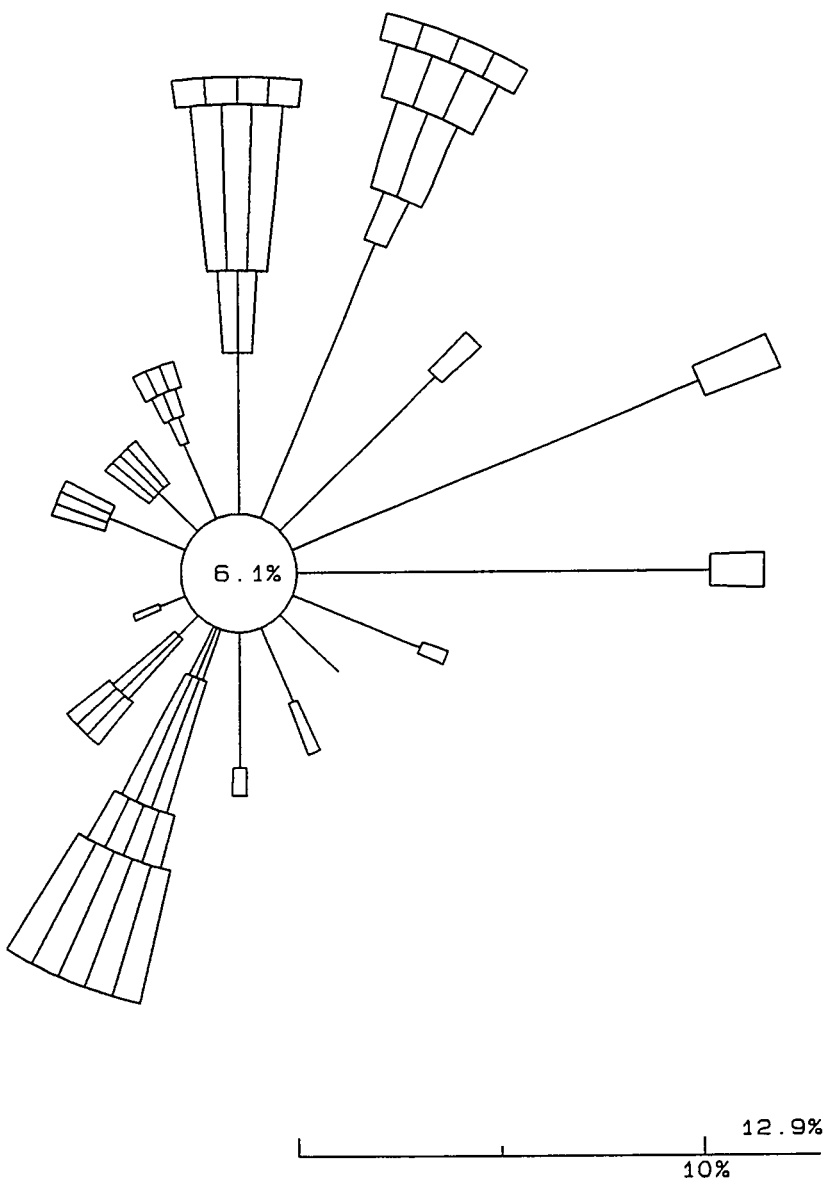

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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




WIND SPEED CLASSES (MPS)

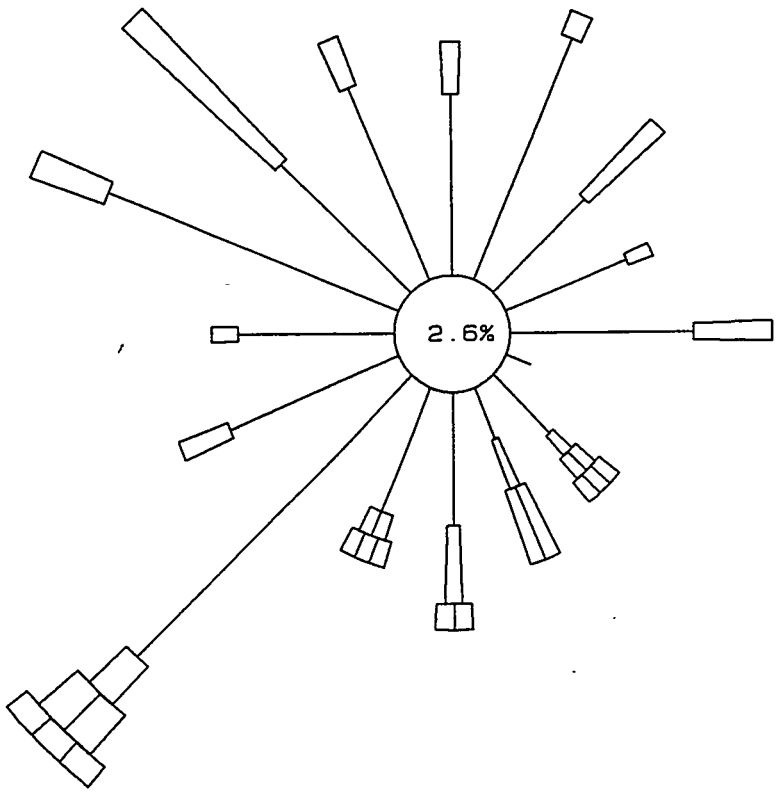
| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 0 | 1.8< WS <= 3.3 |
| 3 | | 3.3< WS <= 5.4 |
| 4 | | 5.4< WS <= 8.5 |
| 5 | | 8.5< WS <=10.8 |
| 6 | | 10.8< WS |

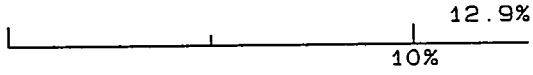
67.7% DATA RECOVERED
OF WHICH 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition
1/ 1/1995 - 1/31/1995
1600 - 2000

N



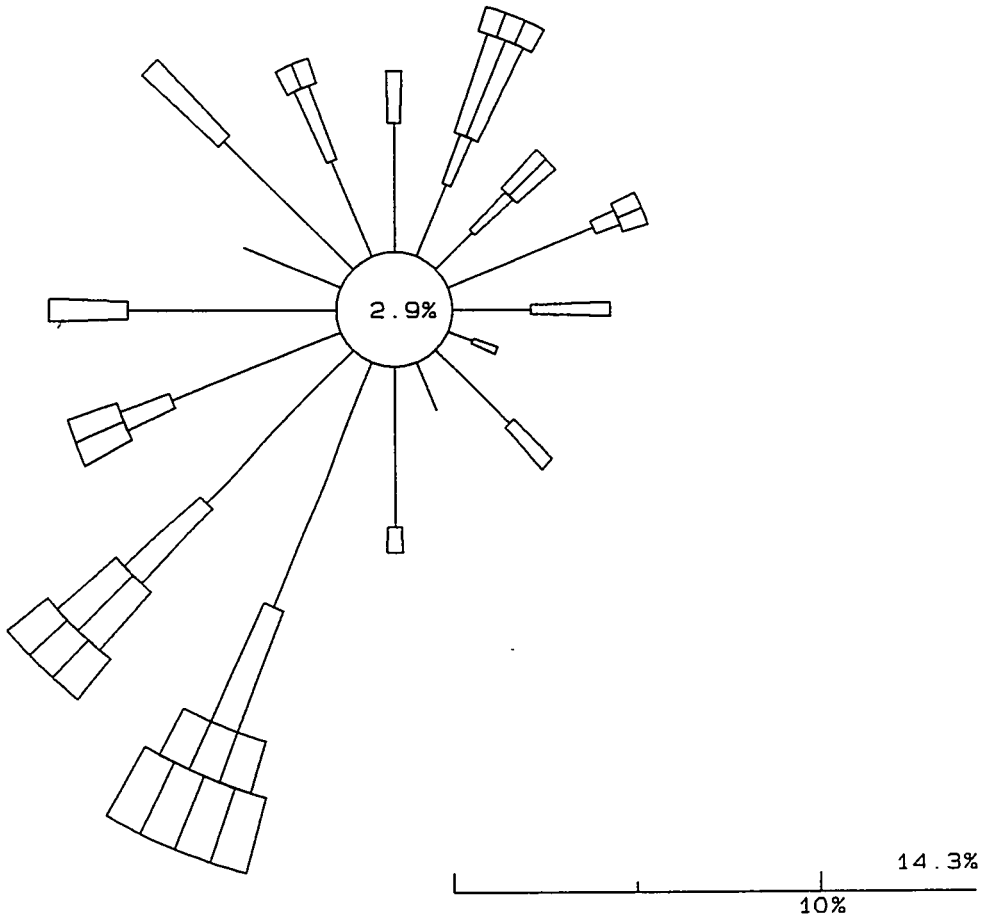

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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 - Evening Transition
2/ 1/1995 - 2/28/1995
1600 - 2000




WIND SPEED CLASSES (MPS)

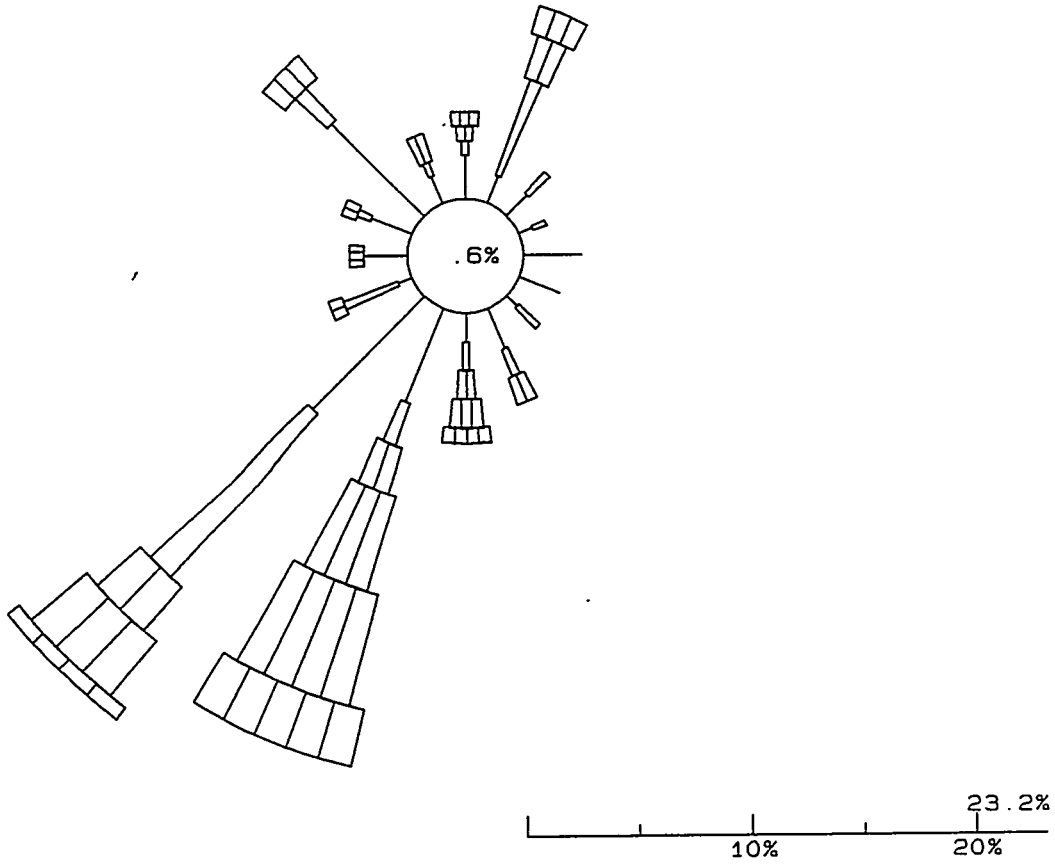
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ! | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

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



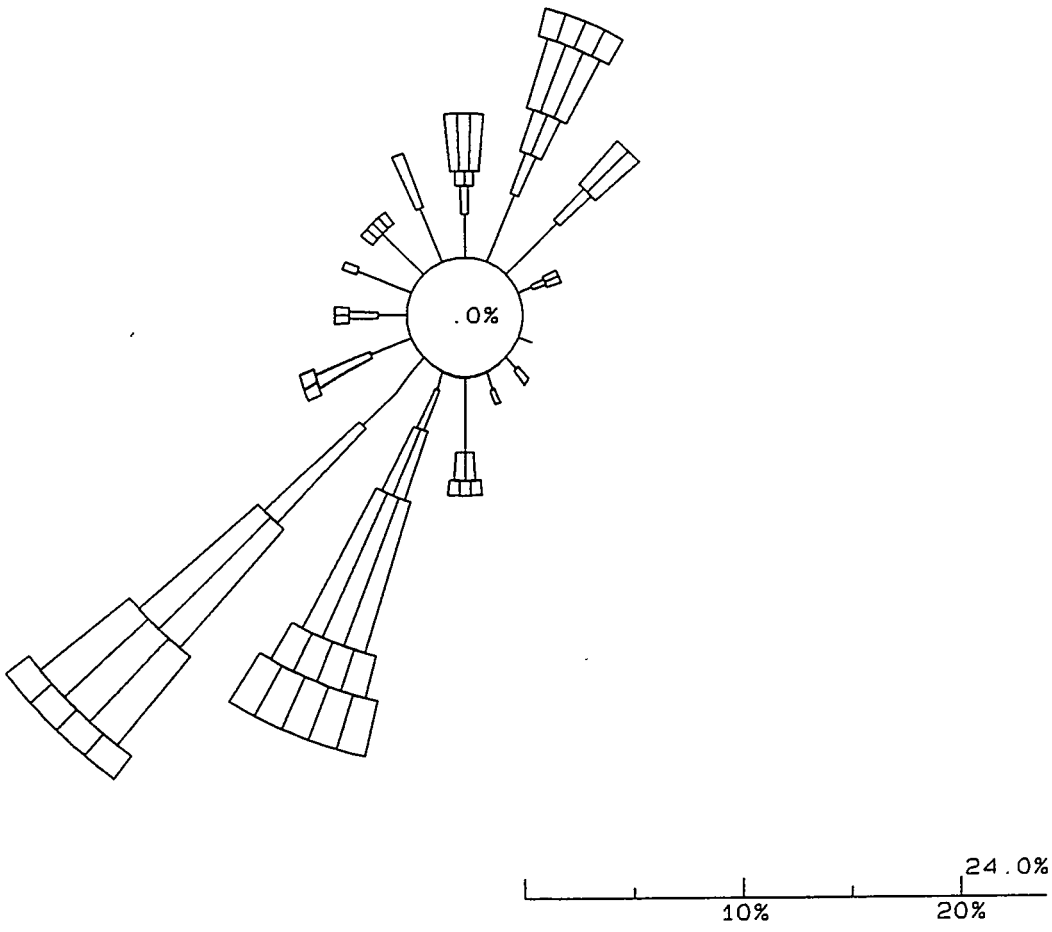

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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



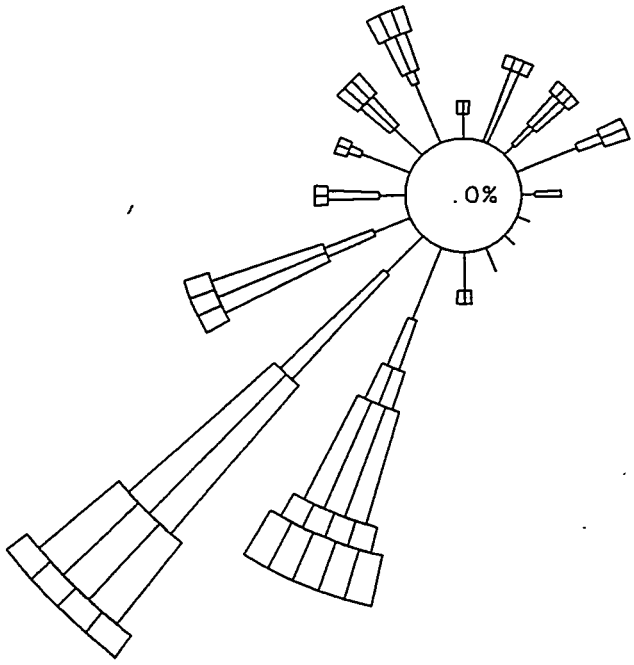

WIND SPEED CLASSES (MPS)

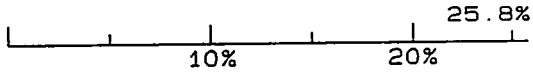
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition
5/ 1/1995 - 5/31/1995
1600 - 2000



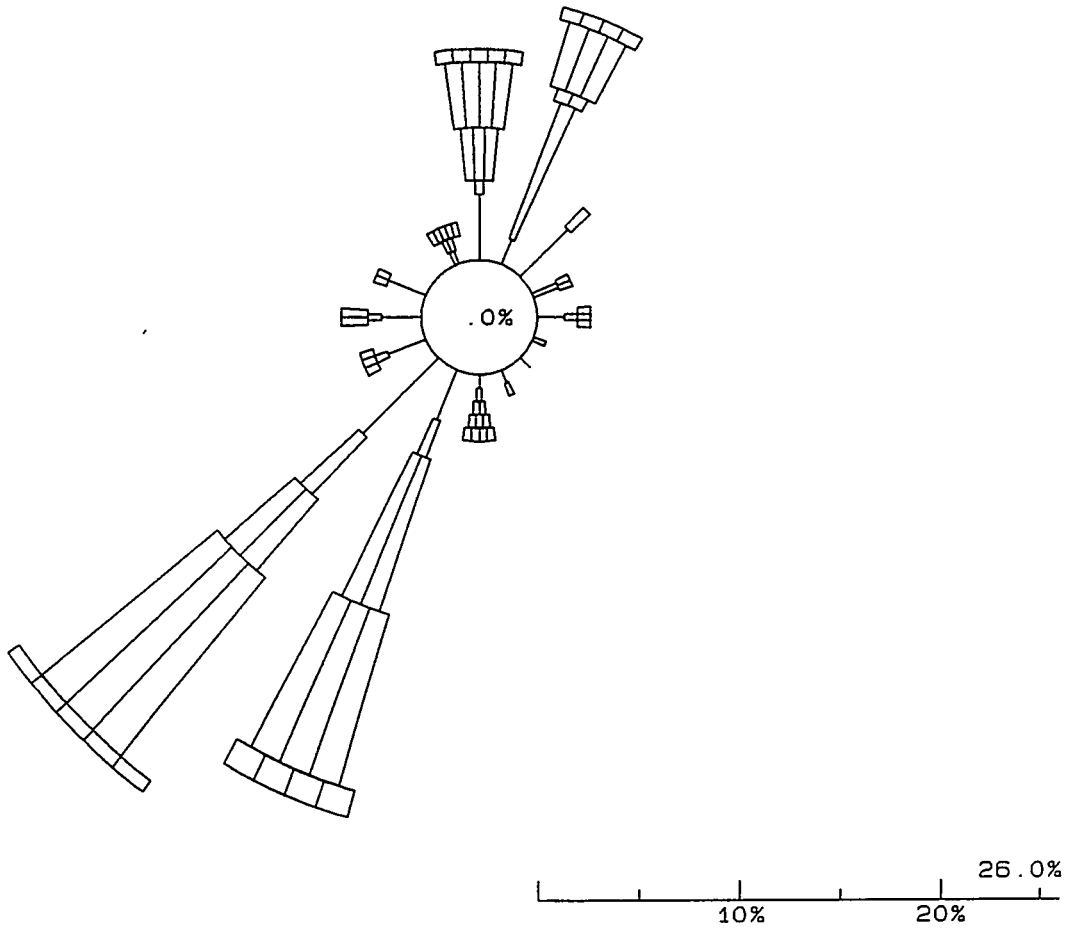

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition
6/ 1/1995 - 6/30/1995
1600 - 2000




WIND SPEED CLASSES (MPS)

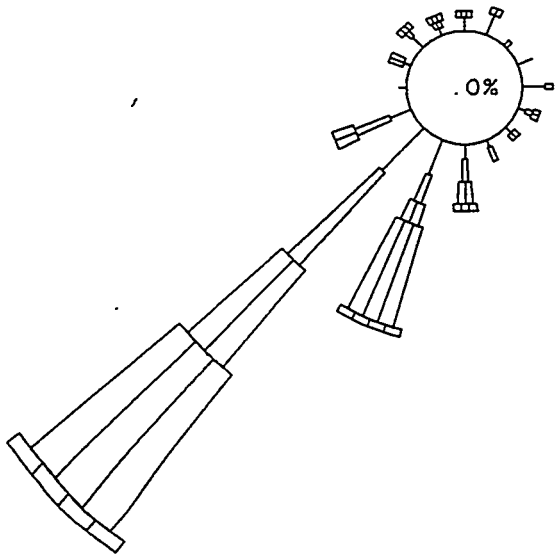
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 3.3 |
| 3 | ▭ | 3.3< WS <= 5.4 |
| 4 | ▭▭ | 5.4< WS <= 8.5 |
| 5 | ▭▭▭ | 8.5< WS <=10.8 |
| 6 | ▭▭▭▭ | 10.8< WS |

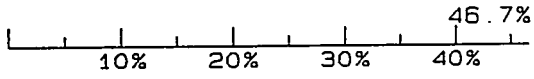
100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition
7/ 1/1995 - 7/31/1995
1600 - 2000

N




WIND SPEED CLASSES (MPS)

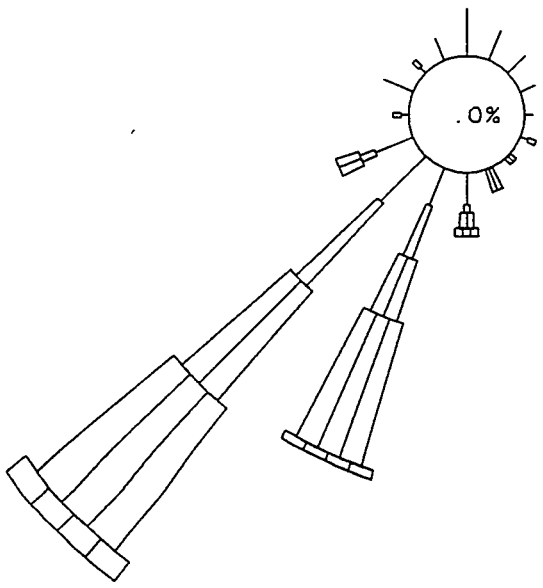
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 3.3 |
| 3 | ▫▫ | 3.3< WS <= 5.4 |
| 4 | ▫▫▫ | 5.4< WS <= 8.5 |
| 5 | ▫▫▫▫ | 8.5< WS <=10.8 |
| 6 | ▫▫▫▫▫ | 10.8< WS |

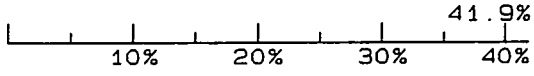
96.9% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition
8/ 1/1995 - 8/31/1995
1600 - 2000

N




WIND SPEED CLASSES (MPS)

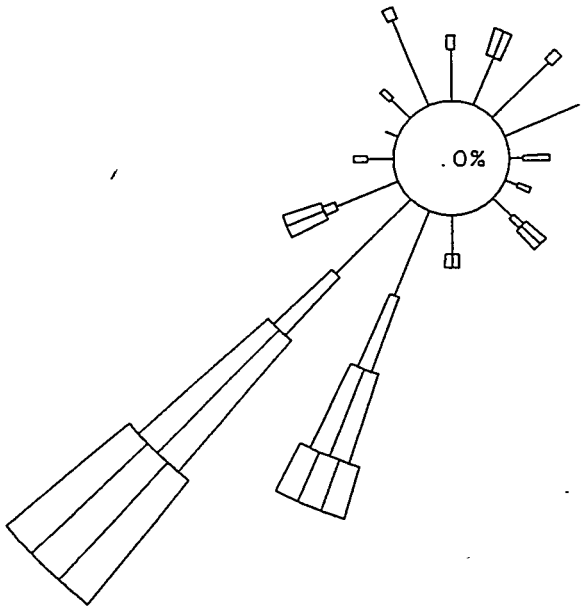
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

99.5% DATA RECOVERED
OF WHICH 20.9% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition
9/ 1/1995 - 9/30/1995
1600 - 2000

N




31.2%
10% 20% 30%

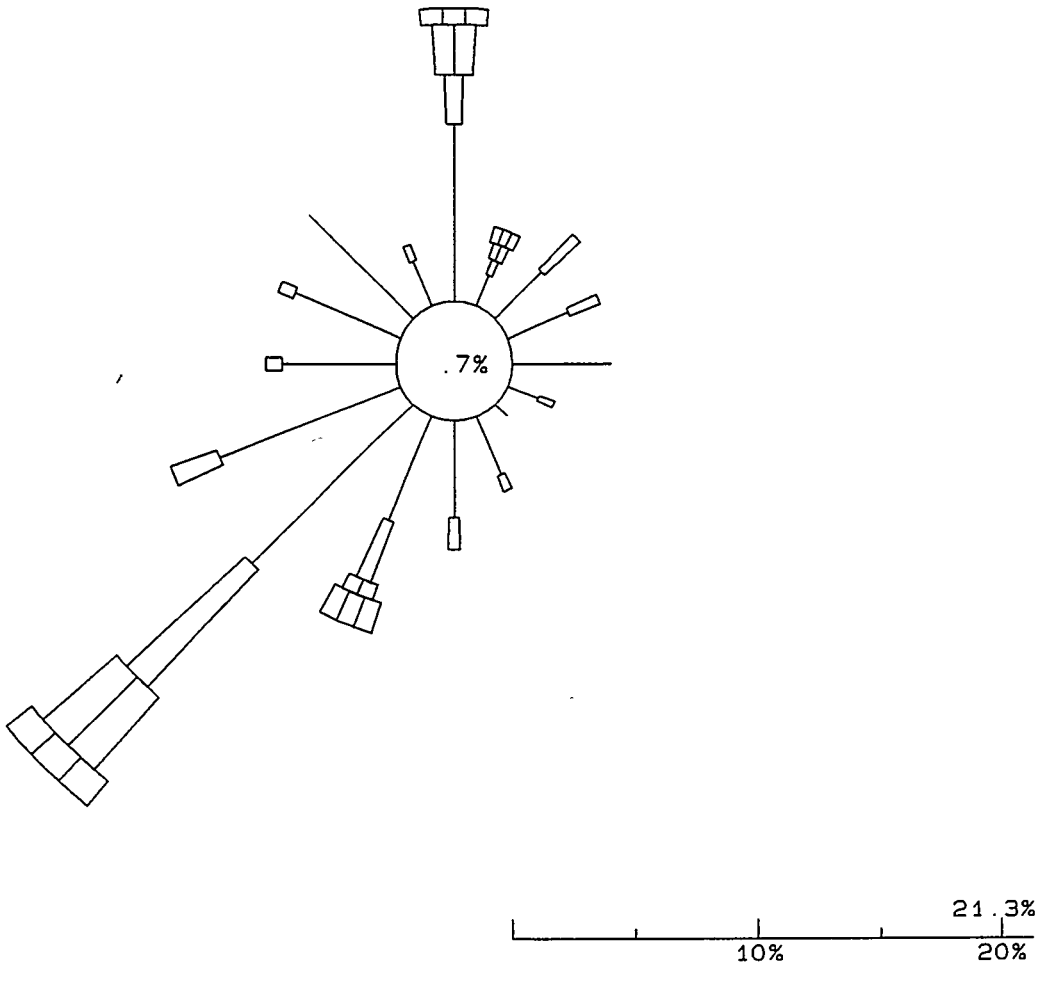
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 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



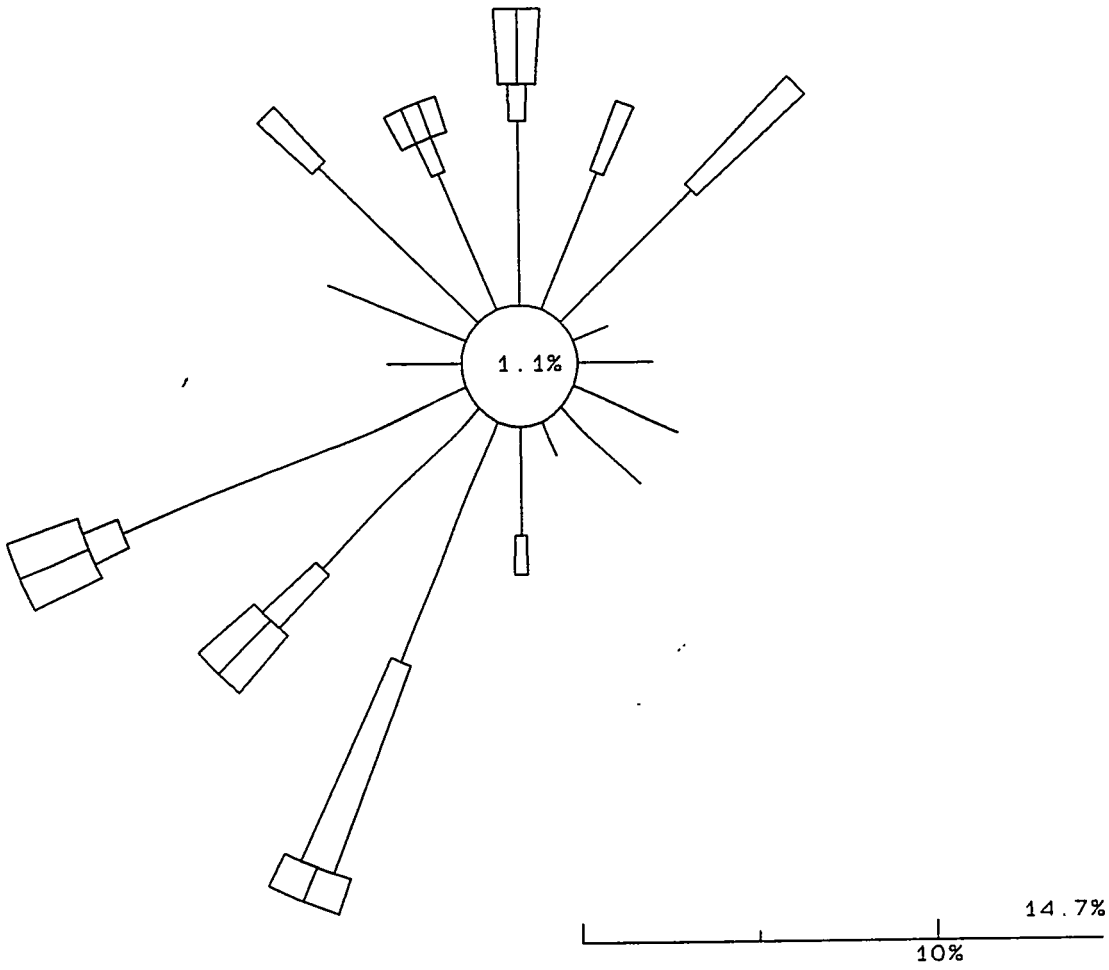

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

96.8% 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



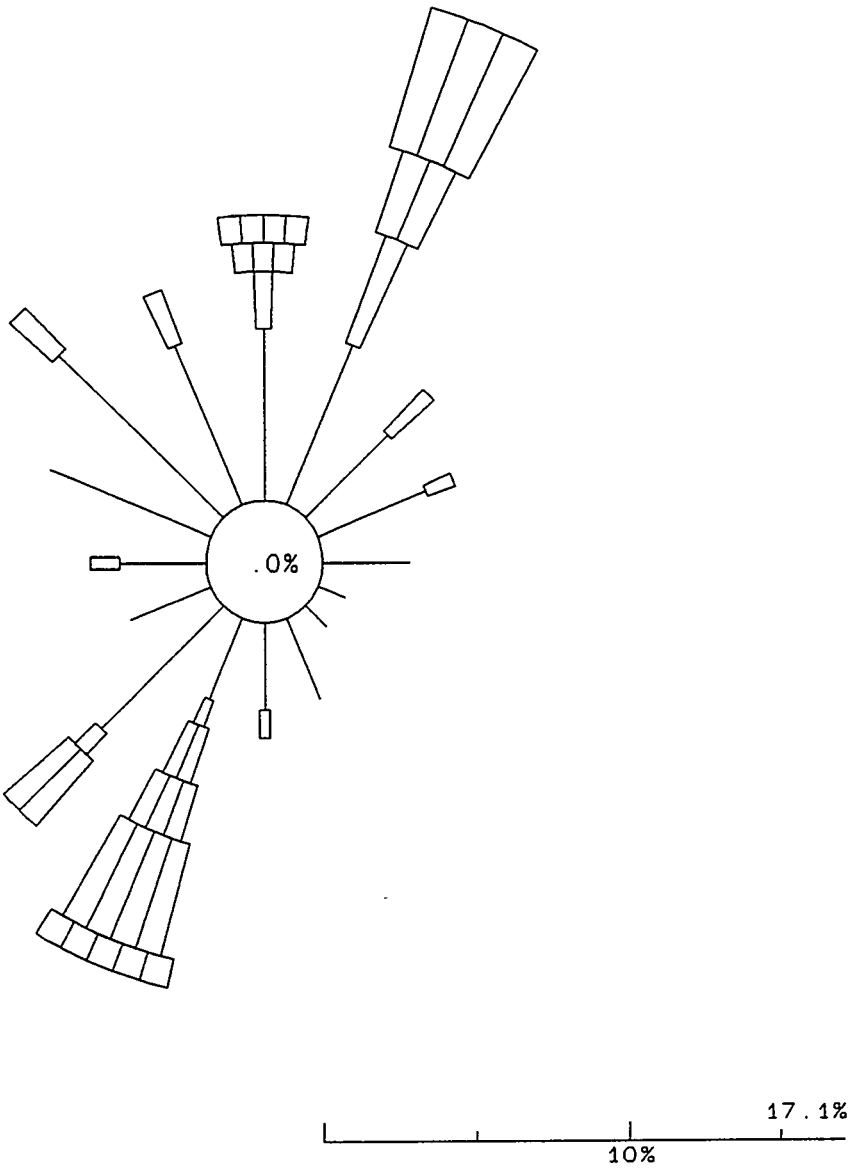

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.7% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Evening Transition
12/ 1/1995 - 12/31/1995
1600 - 2000




WIND SPEED CLASSES (MPS)

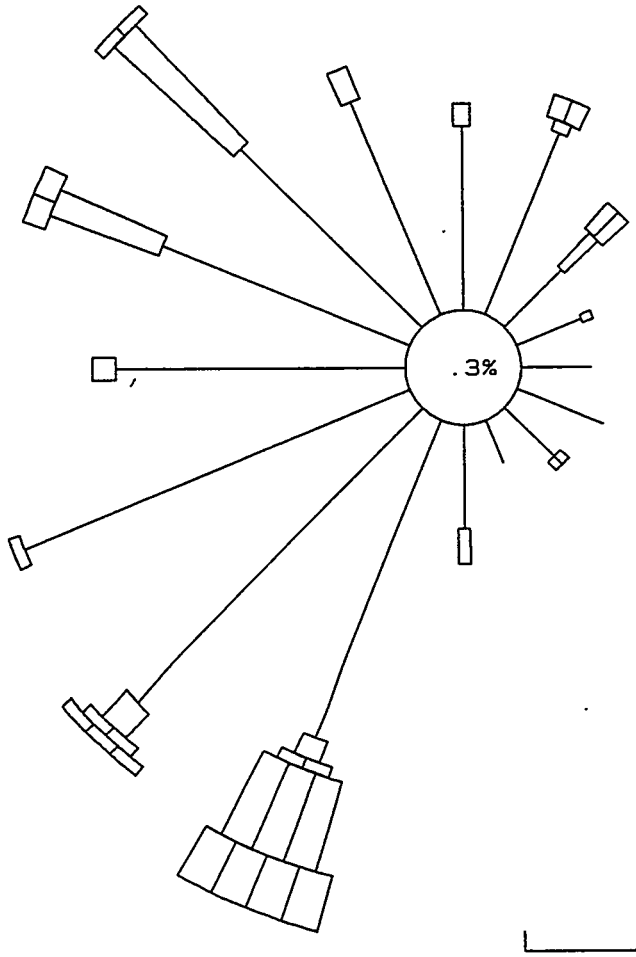
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

67.7% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

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

N




13.2%
10%

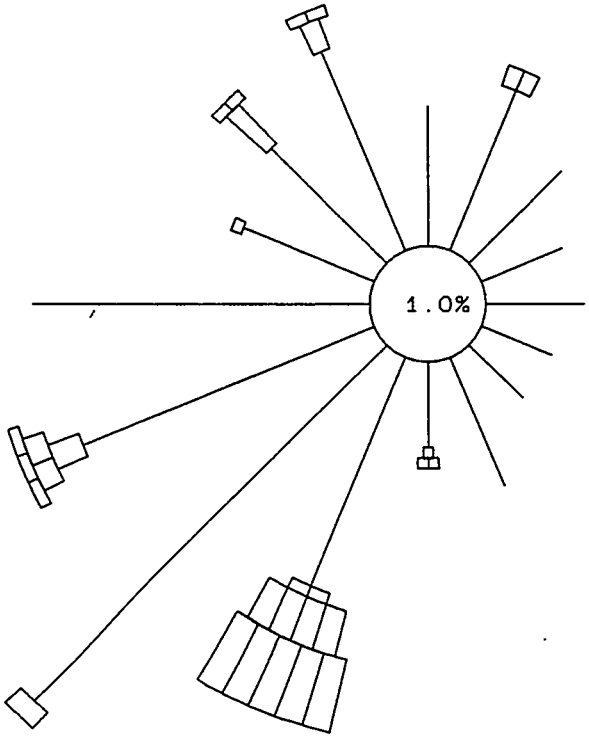
WIND SPEED CLASSES (MPS)

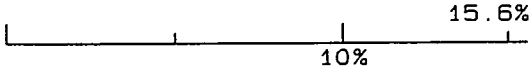
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

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



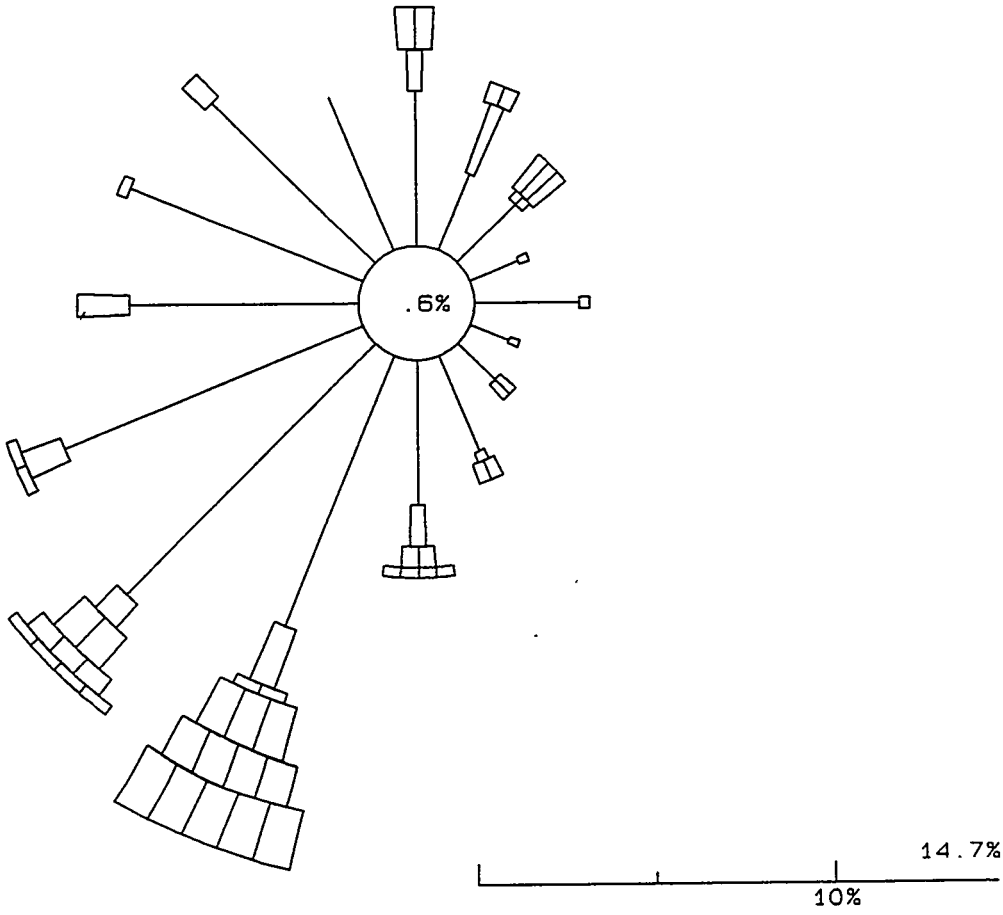

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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




WIND SPEED CLASSES (MPS)

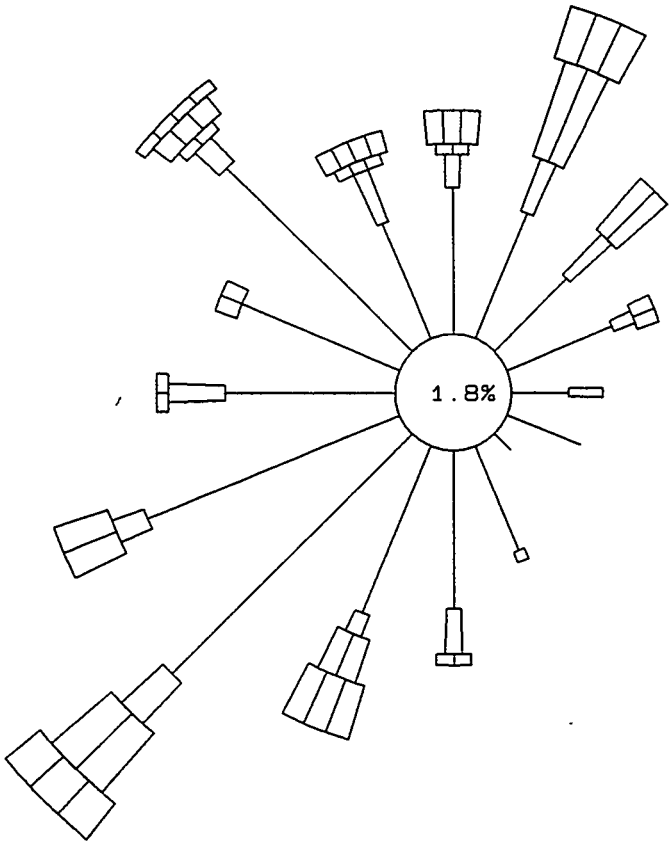
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time
4/ 1/1995 - 4/30/1995
2000 - 600

N




13.9%
10%

WIND SPEED CLASSES (MPS)

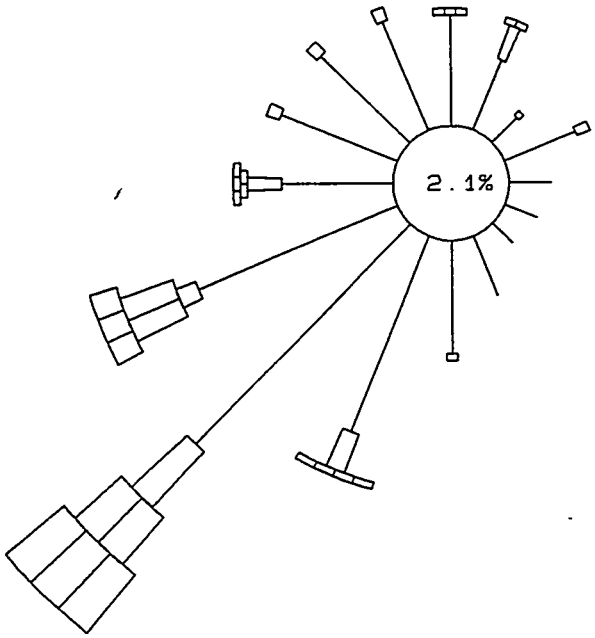
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

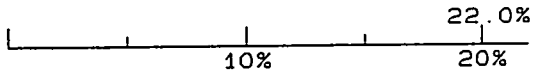
100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time
5/ 1/1995 - 5/31/1995
2000 - 600

N



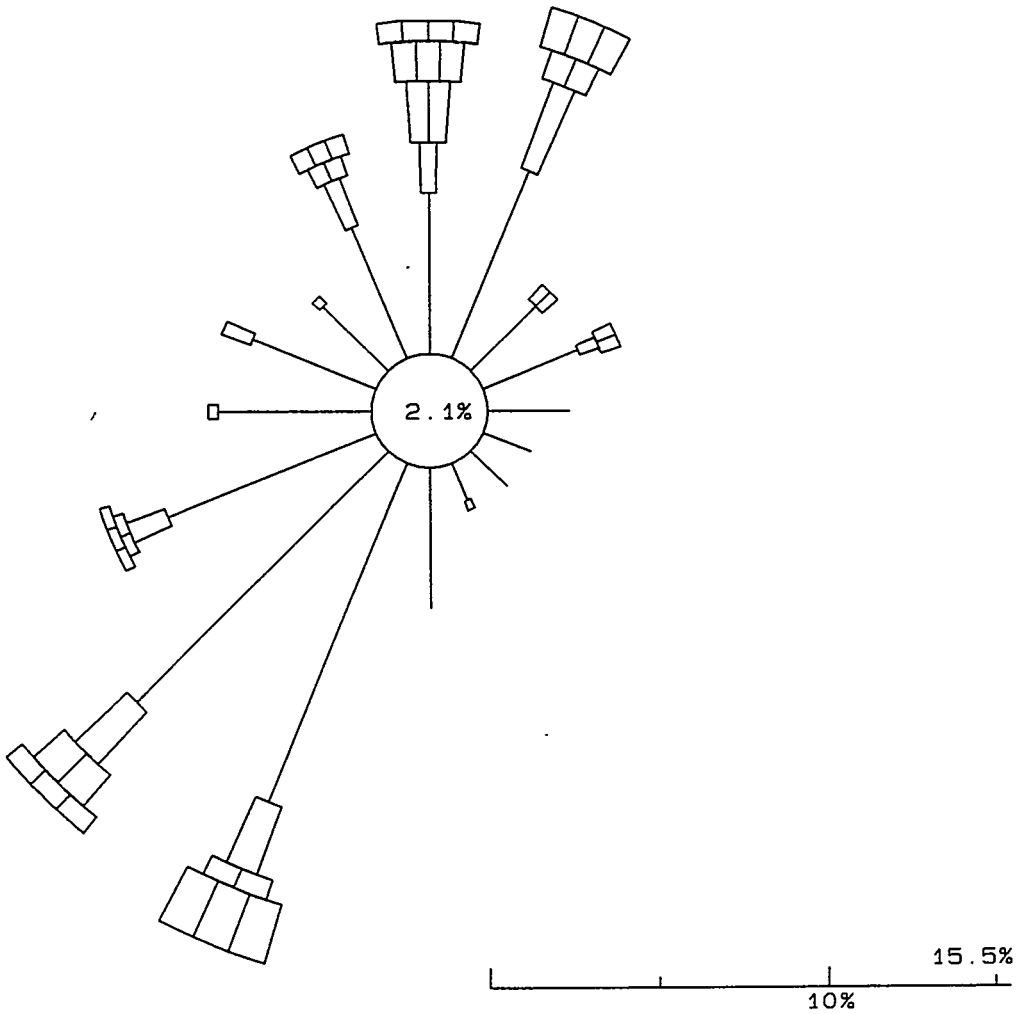

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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
6/ 1/1995 - 6/30/1995
2000 - 600




WIND SPEED CLASSES (MPS)

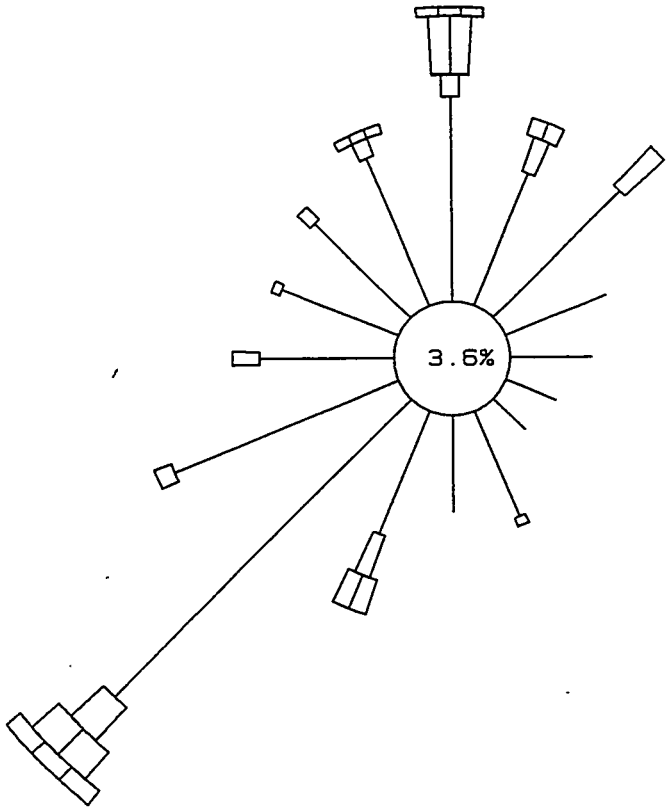
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

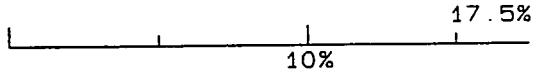
100.0% DATA RECOVERED
OF WHICH 45.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

2 METER HEIGHT - Night Time
7/ 1/1995 - 7/31/1995
2000 - 600

N



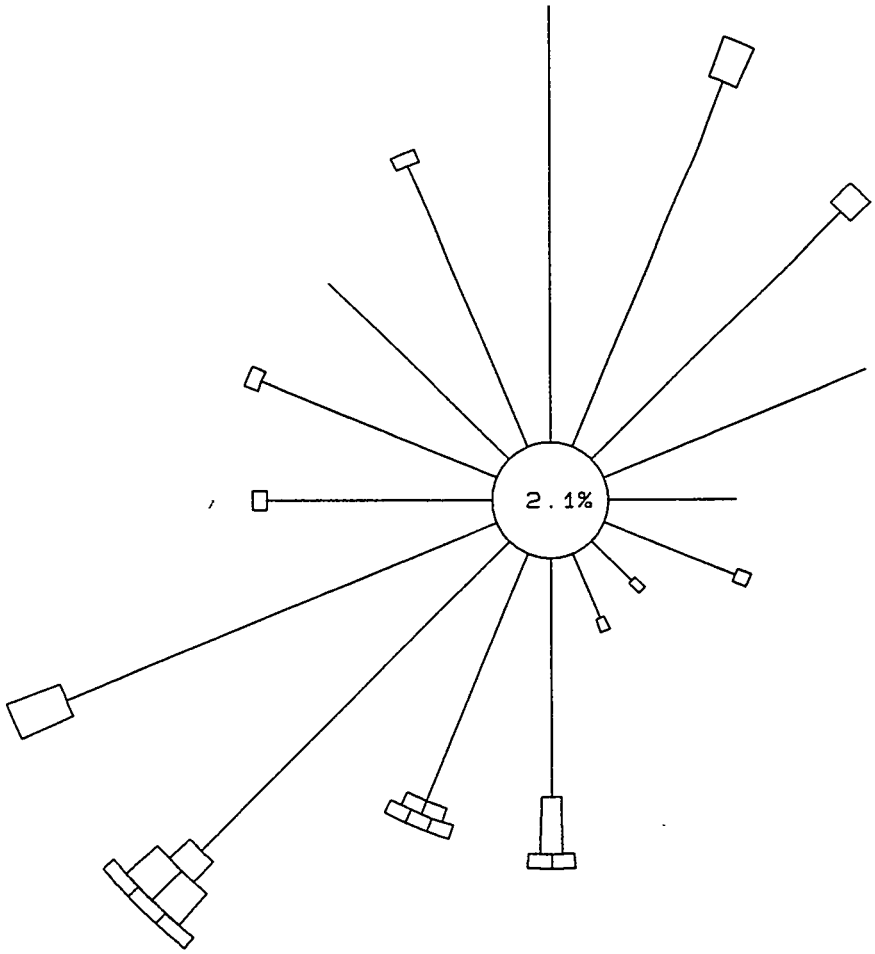

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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

2 METER HEIGHT - Night Time
8/ 1/1995 - 8/31/1995
2000 - 600



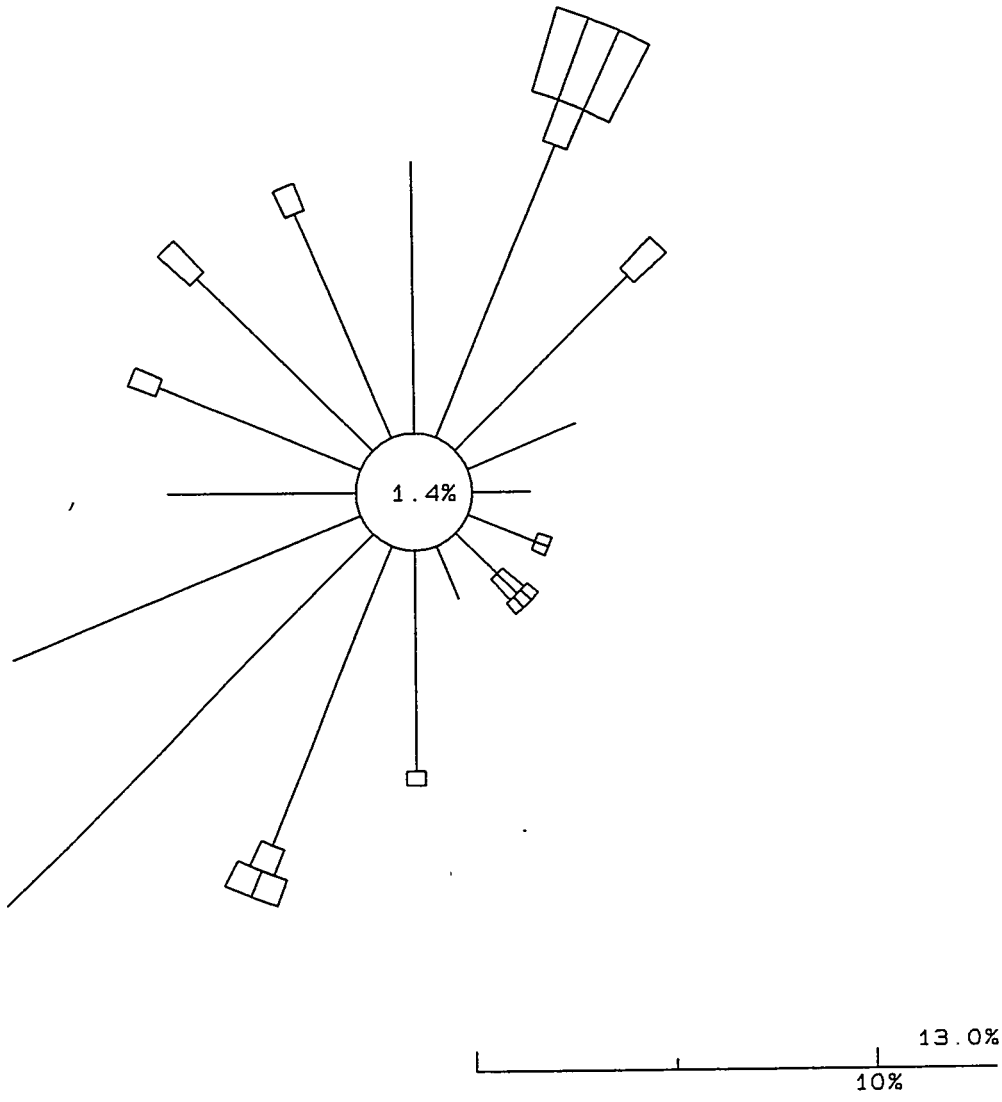

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | 5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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



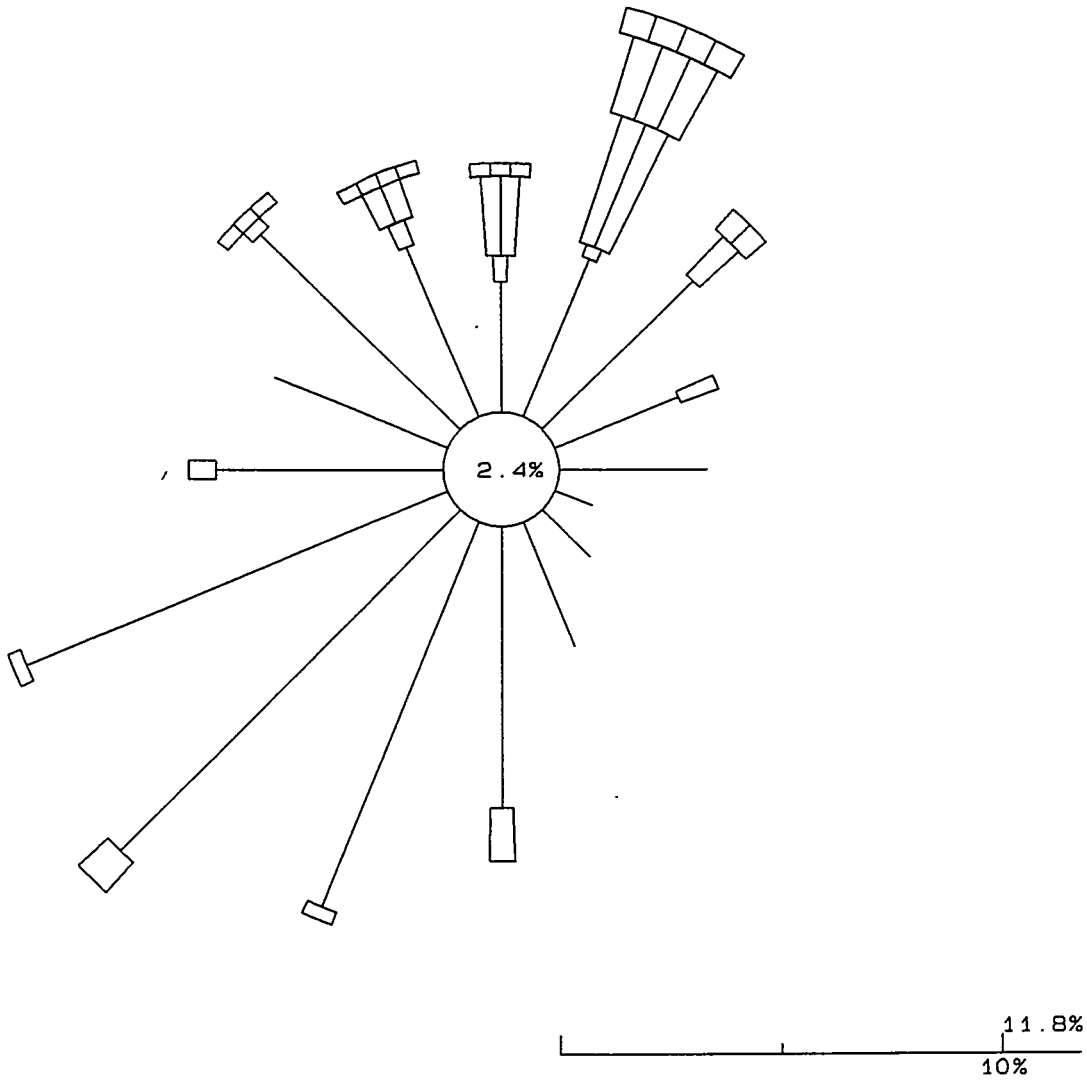

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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




WIND SPEED CLASSES (MPS)

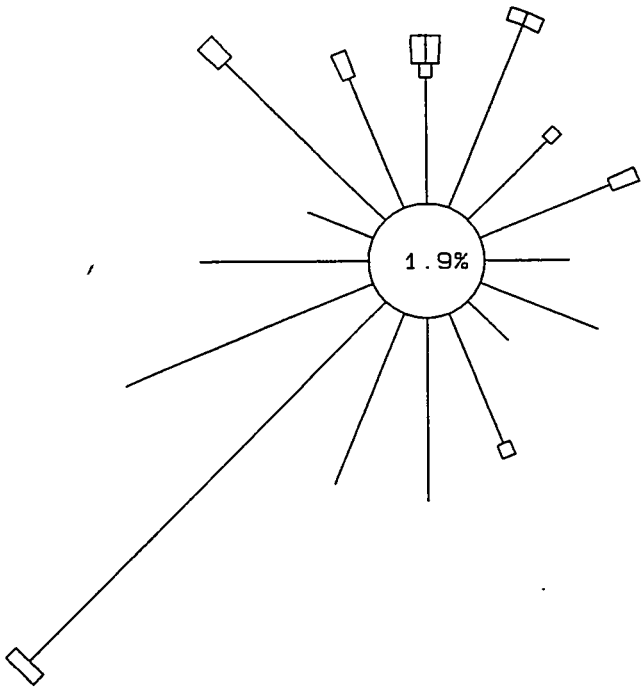
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | O | 1.8< WS <= 3.3 |
| 3 | ⊡ | 3.3< WS <= 5.4 |
| 4 | ⊡⊡ | 5.4< WS <= 8.5 |
| 5 | ⊡⊡⊡ | 8.5< WS <=10.8 |
| 6 | ⊡⊡⊡⊡ | 10.8< WS |

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




17.5%
10%

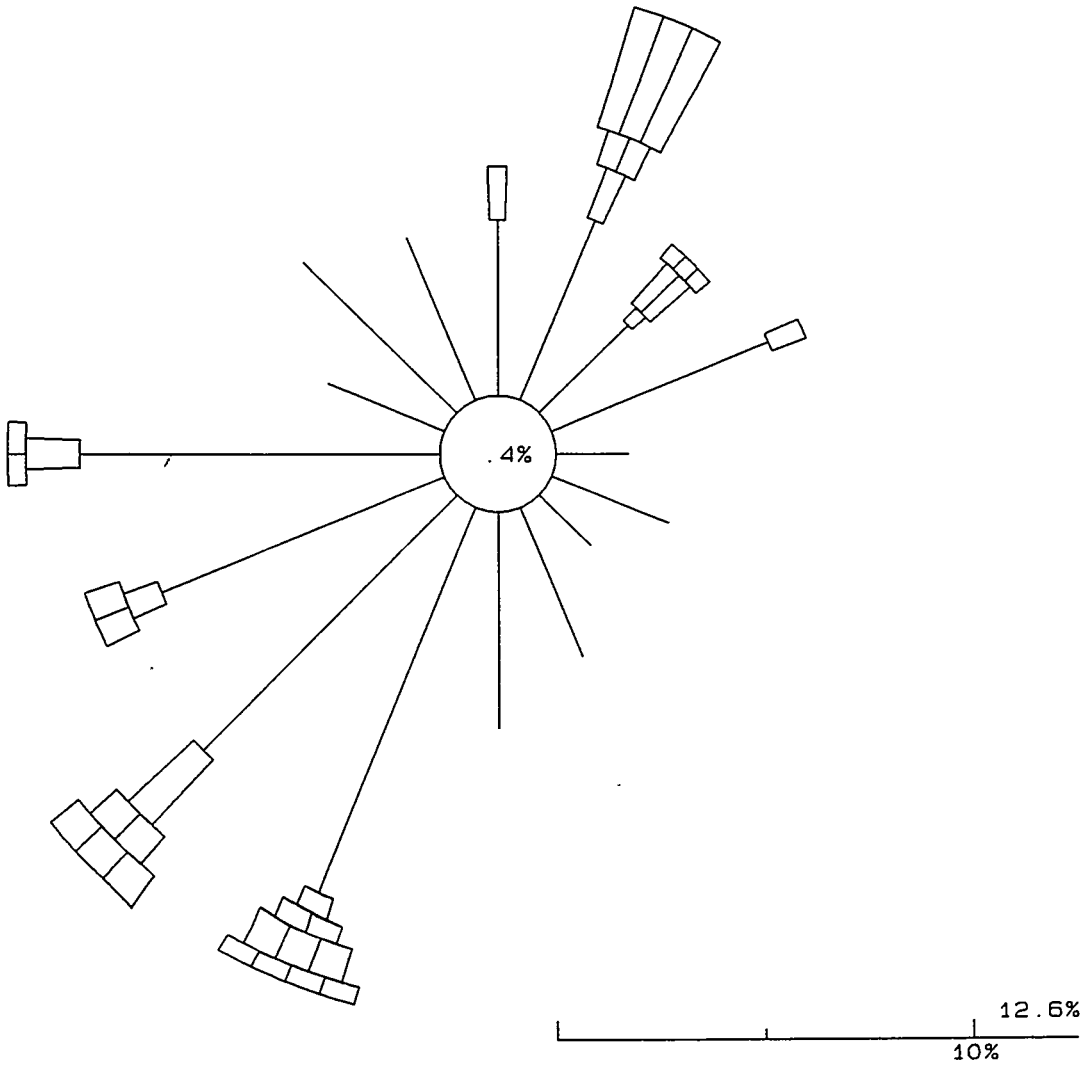
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

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



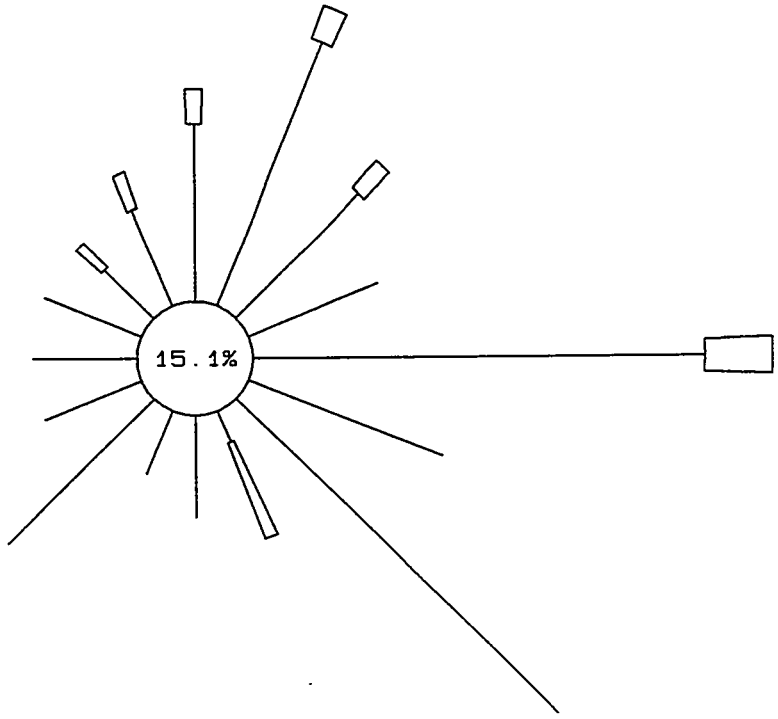

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



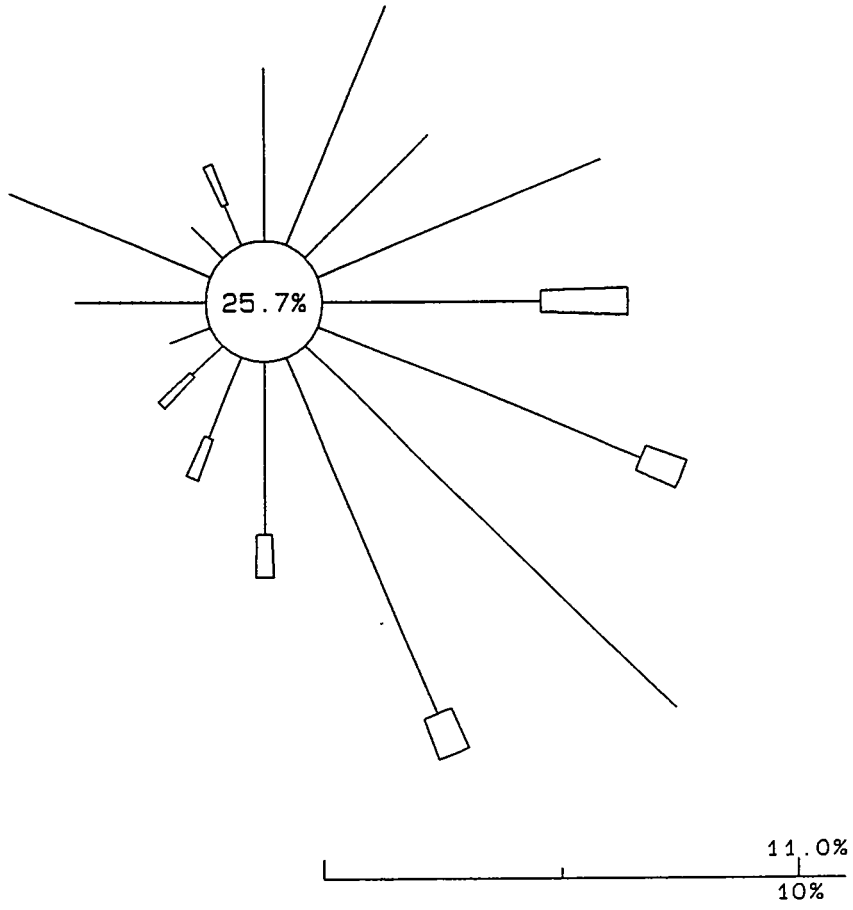

14.2%
10%

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | O | 1.8< WS <= 3.3 |
| 3 | OO | 3.3< WS <= 5.4 |
| 4 | OOO | 5.4< WS <= 8.5 |
| 5 | OOOO | 8.5< WS <=10.8 |
| 6 | OOOOO | 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

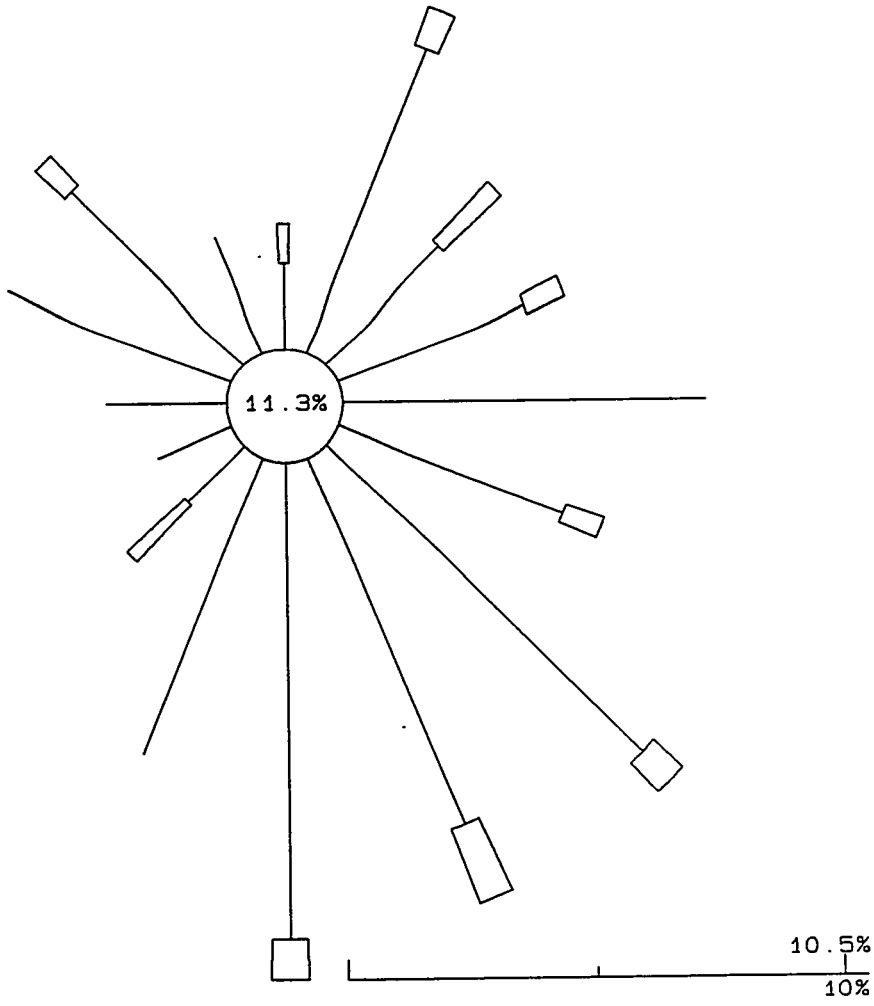



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

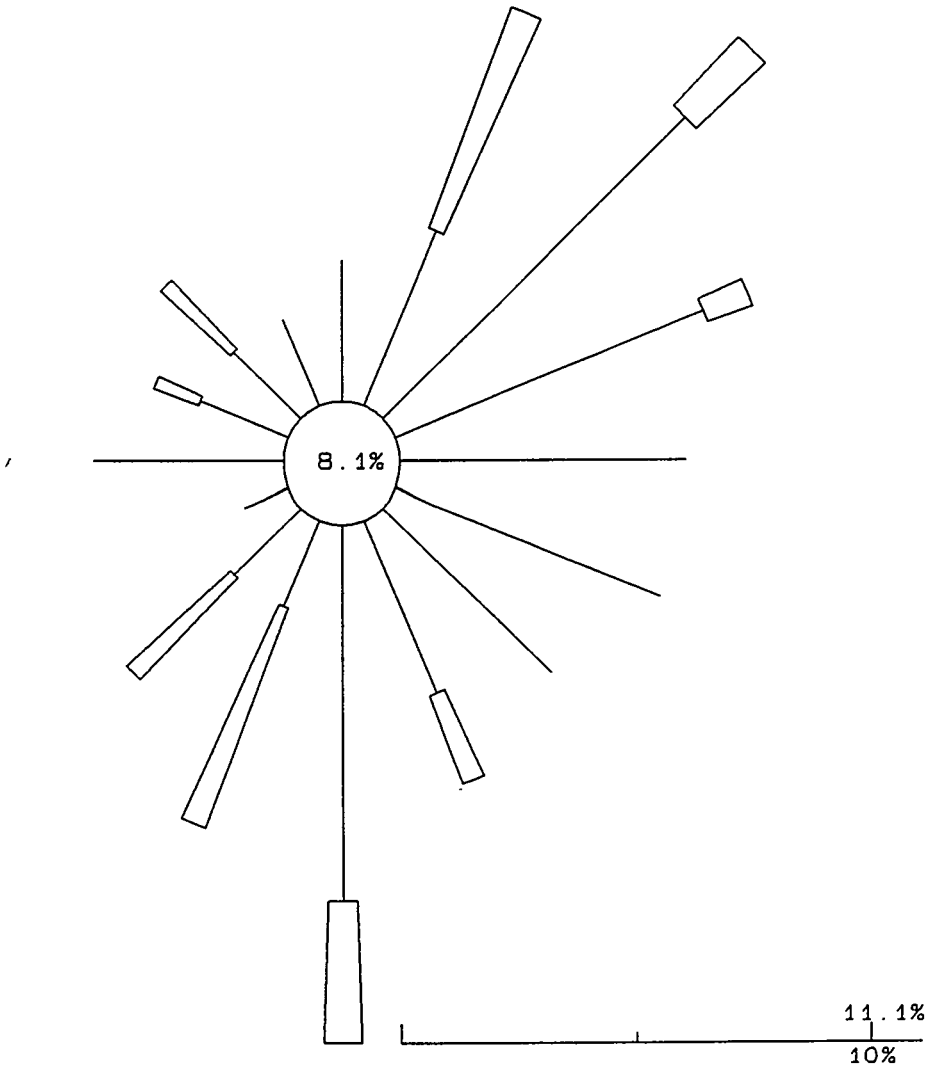



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 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

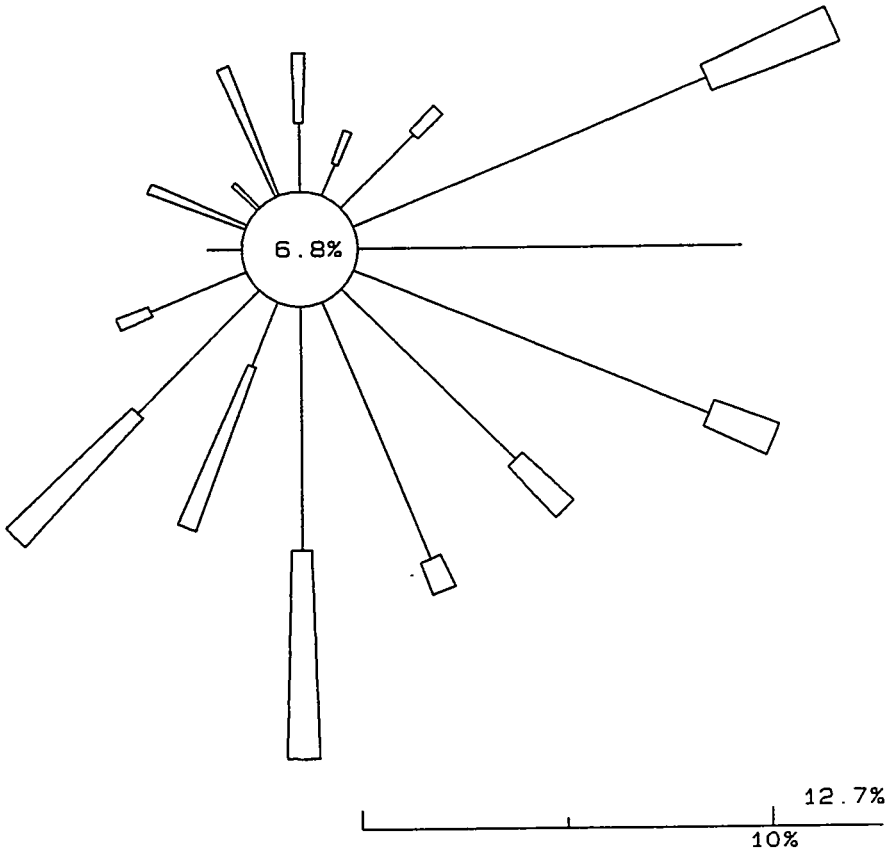



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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

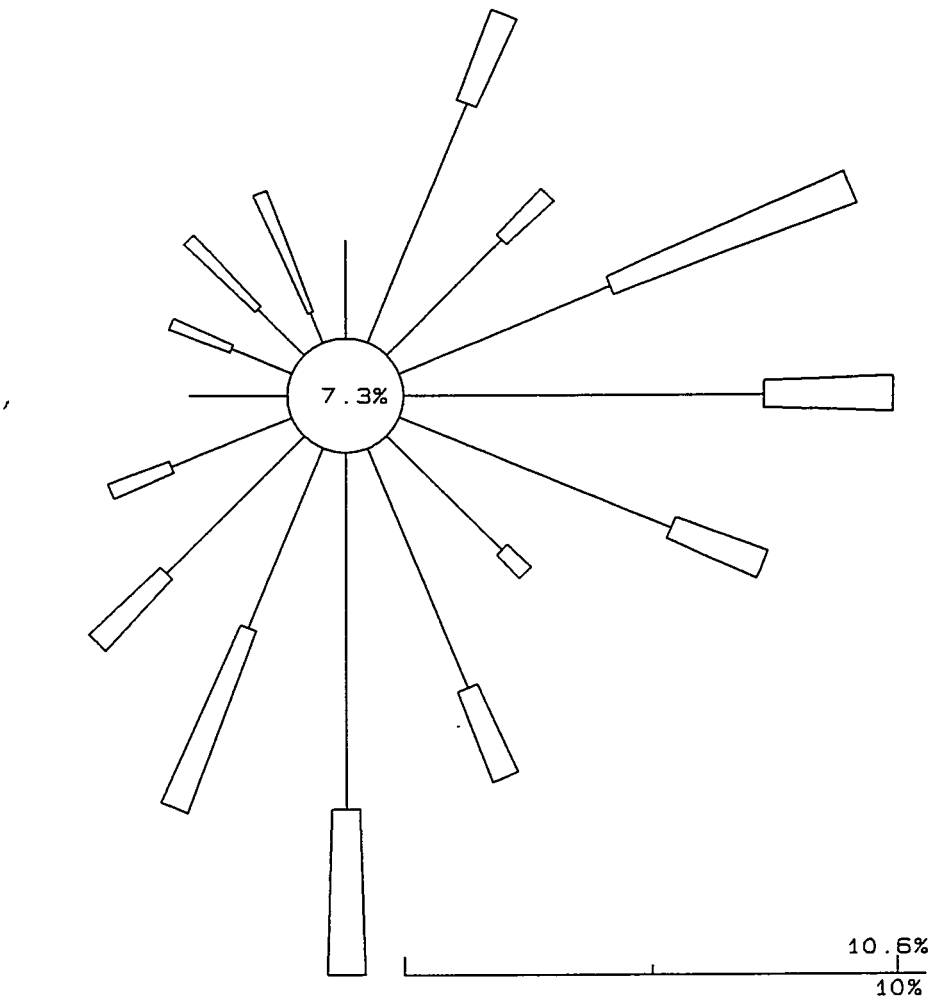



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

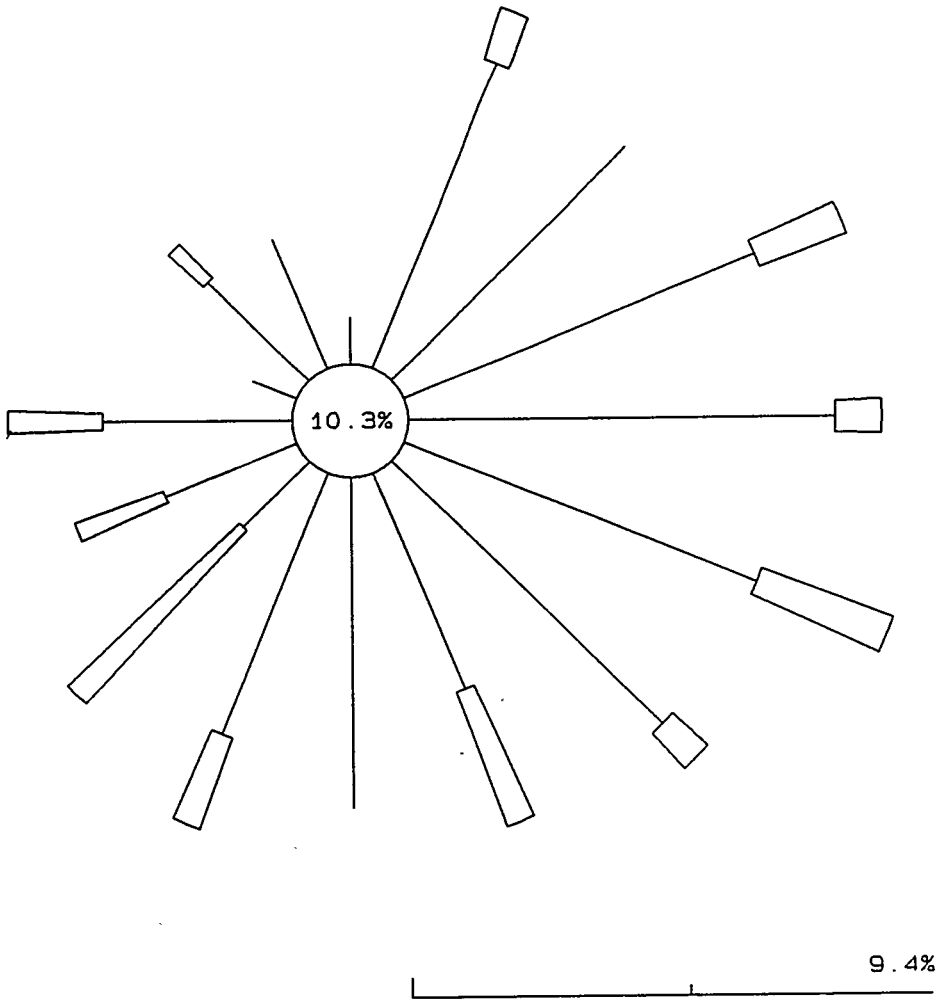



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



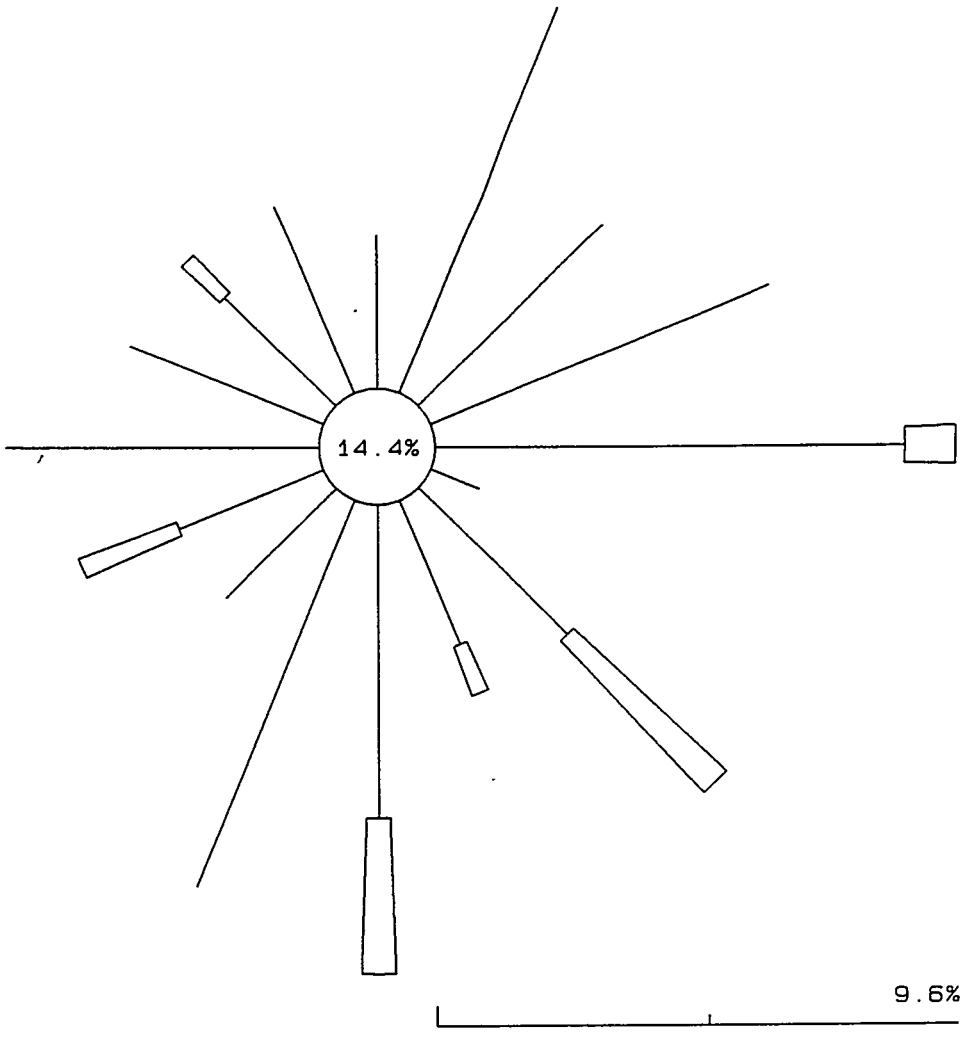

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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

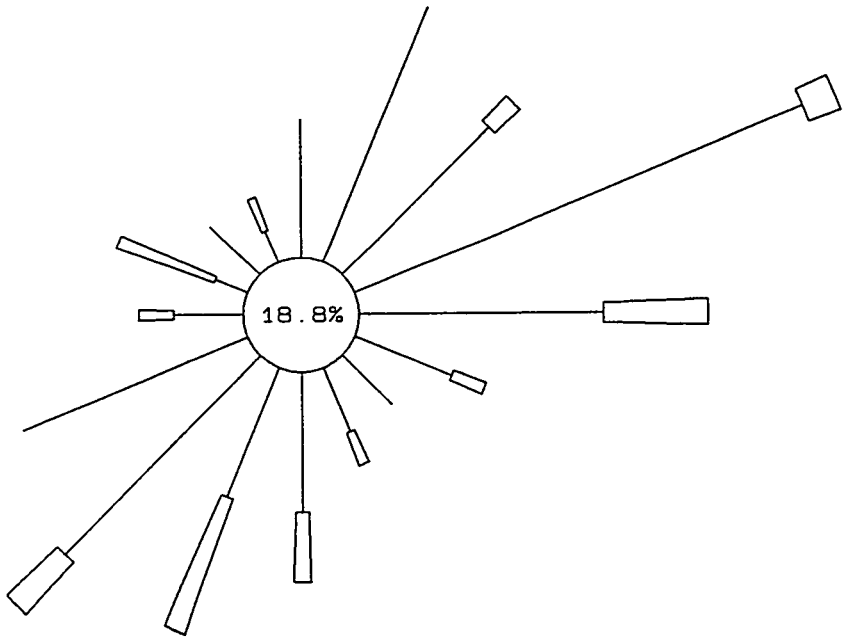



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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 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

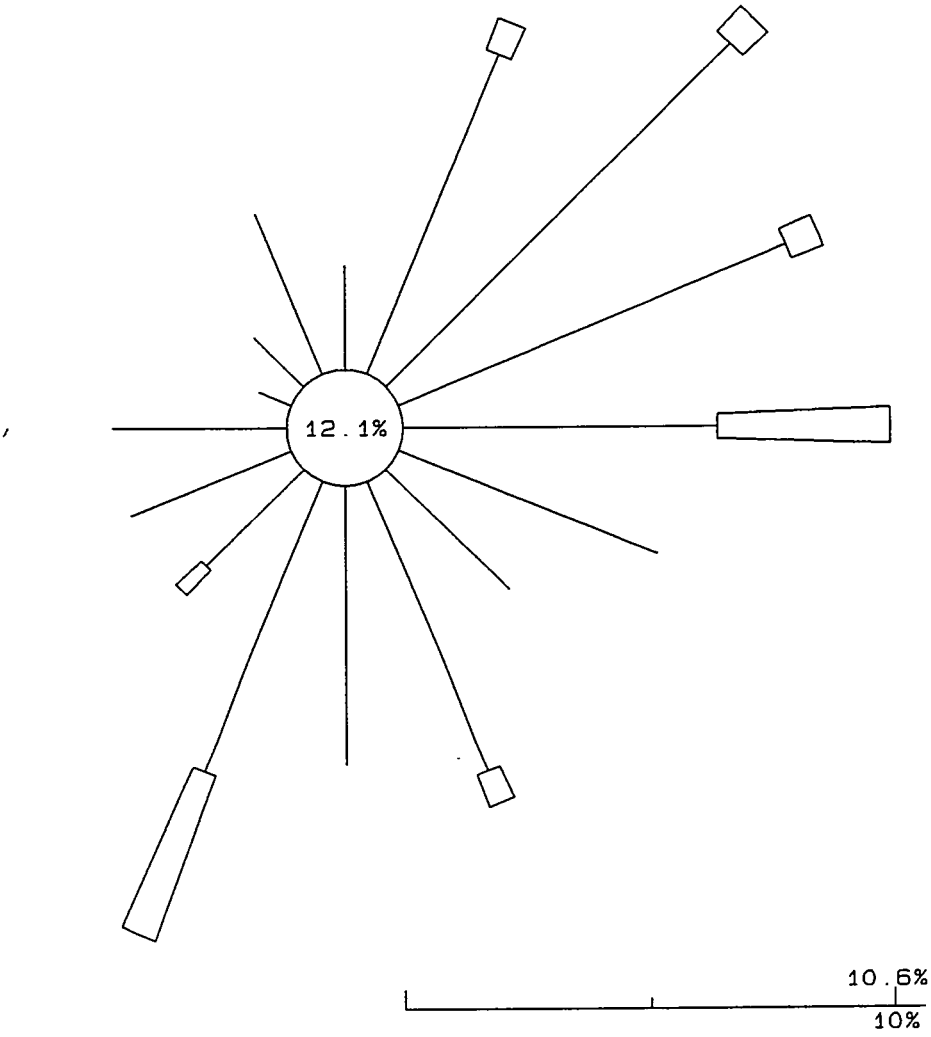



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

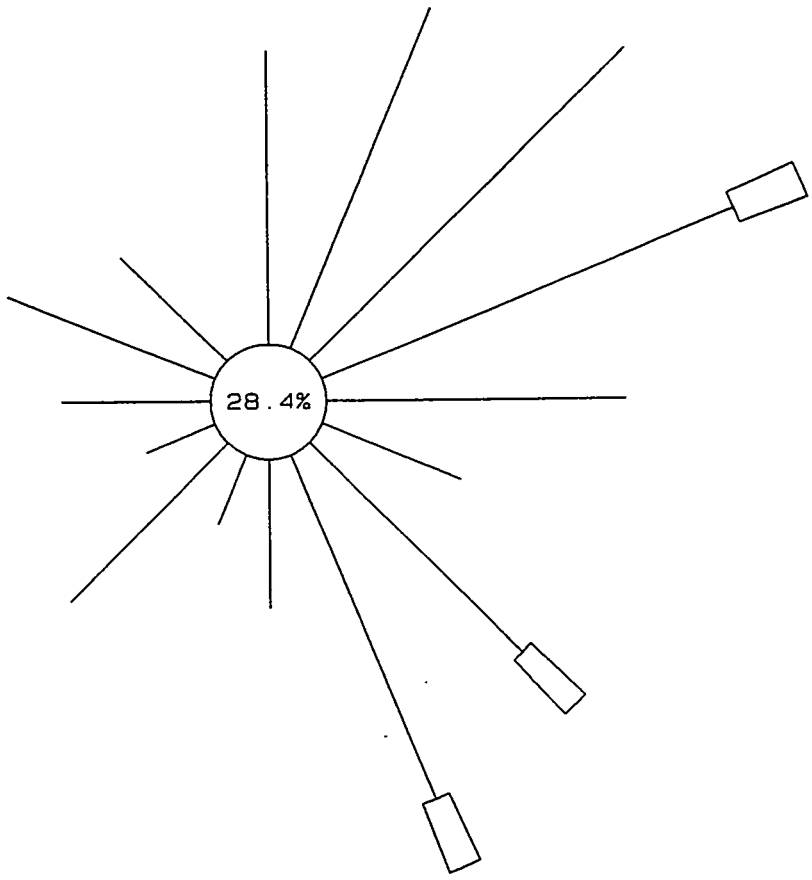



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

96.8% 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

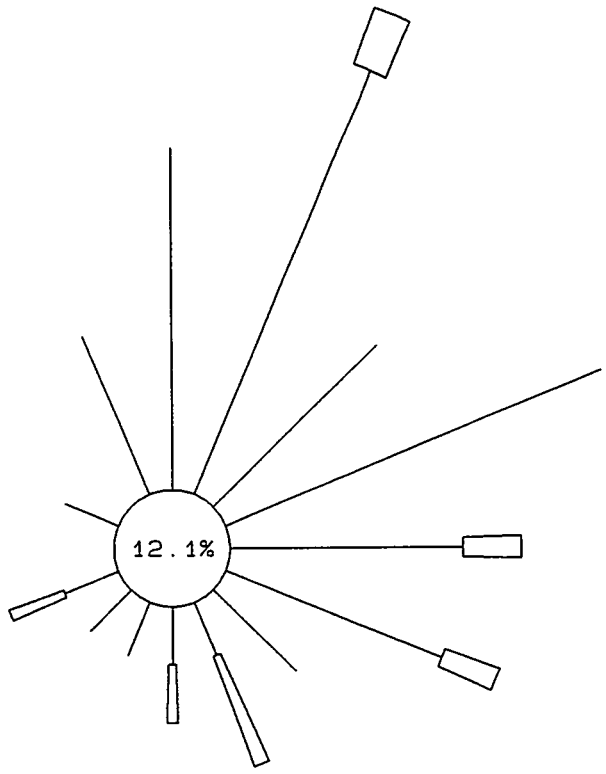


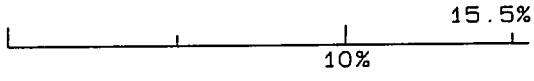

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



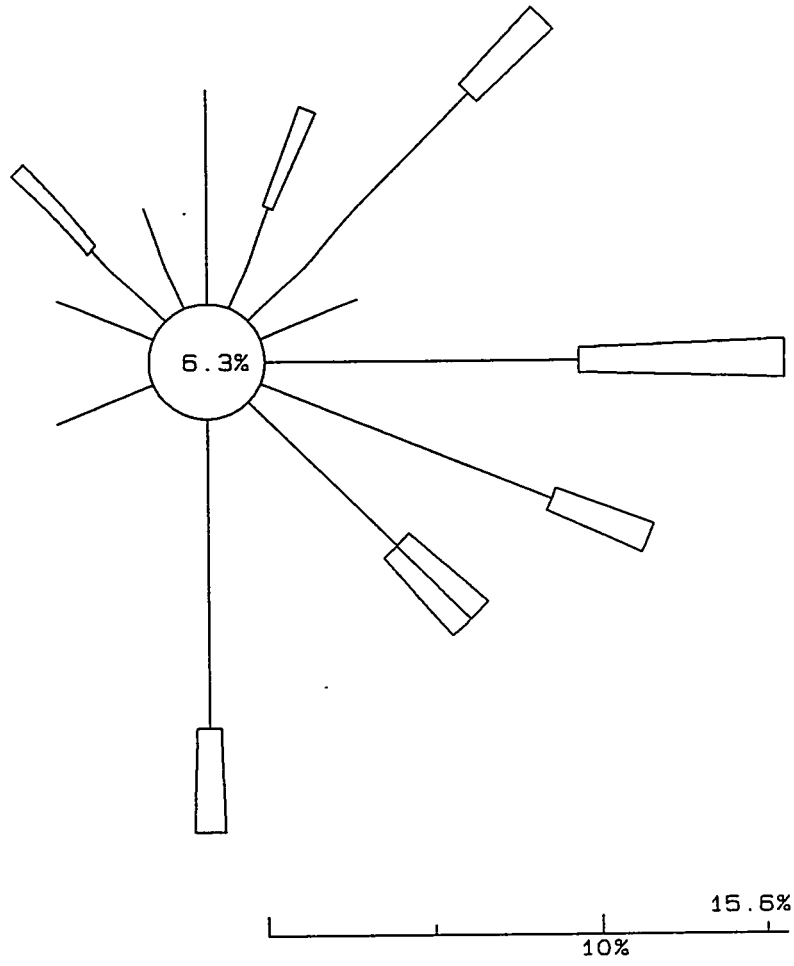




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



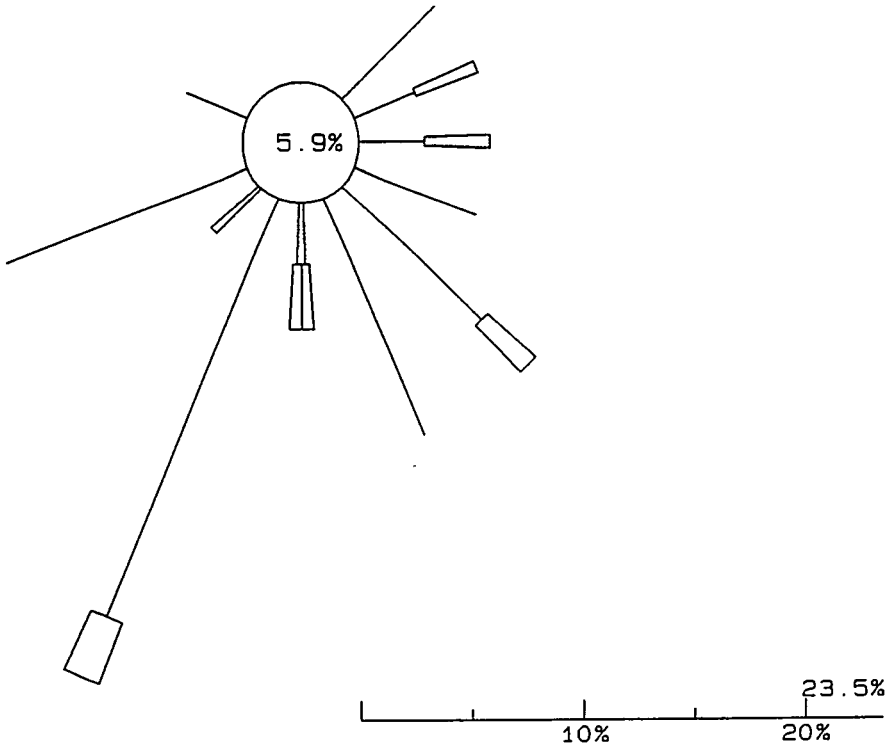

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

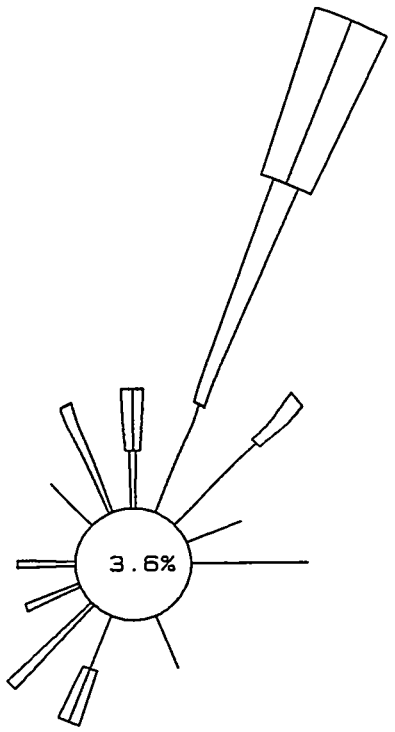


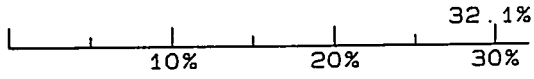

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 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 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



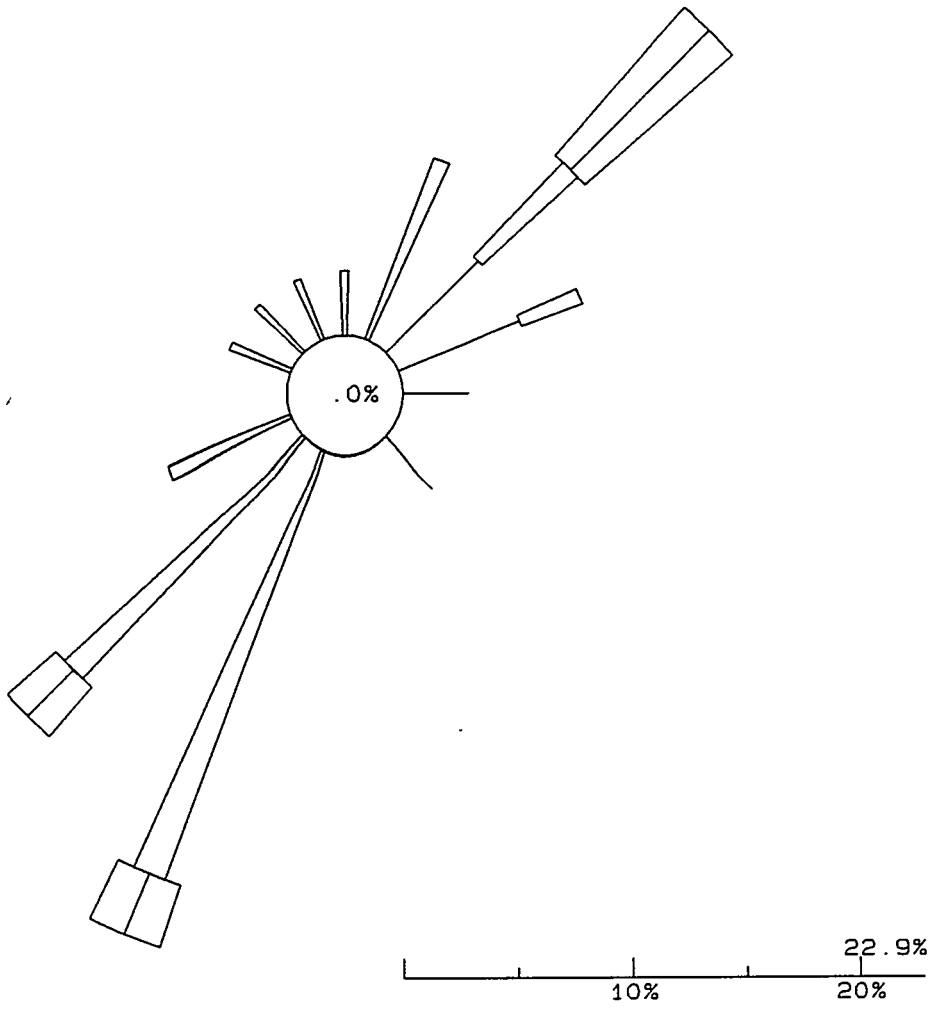




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



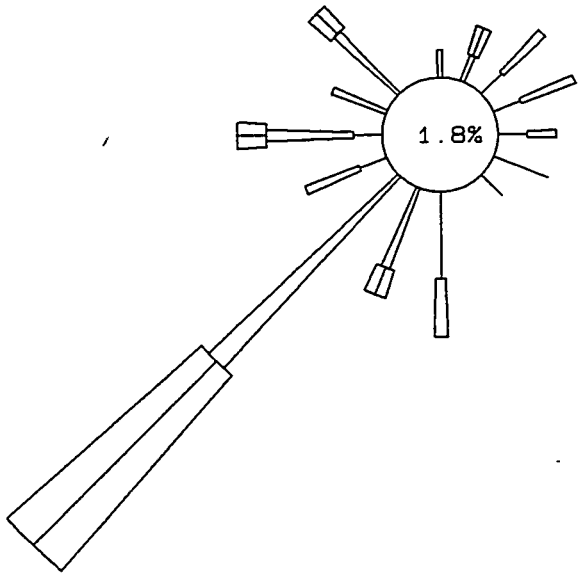

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 4.9% 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




32 1%

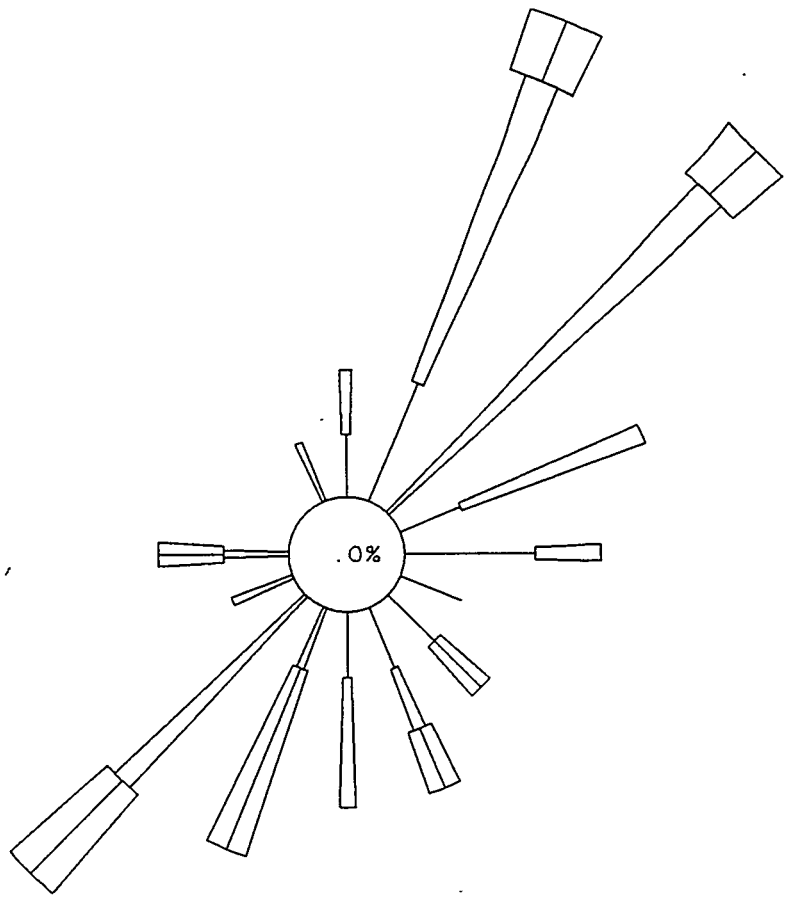
10% 20% 30%

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



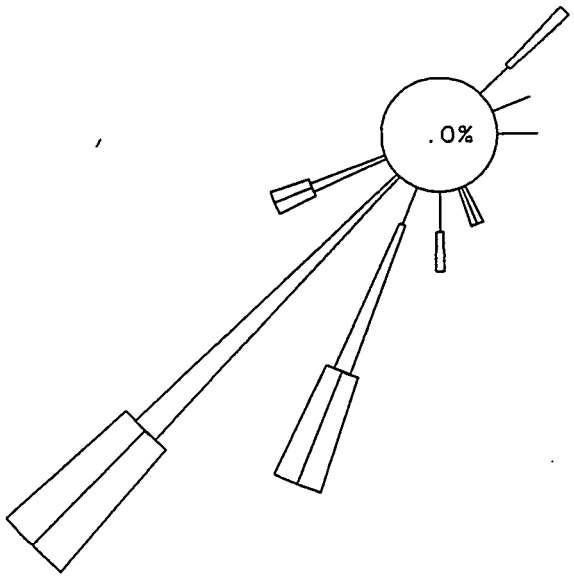

WIND SPEED CLASSES (MPS)

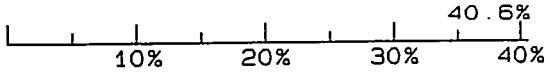
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

100.0% DATA RECOVERED
OF WHICH 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



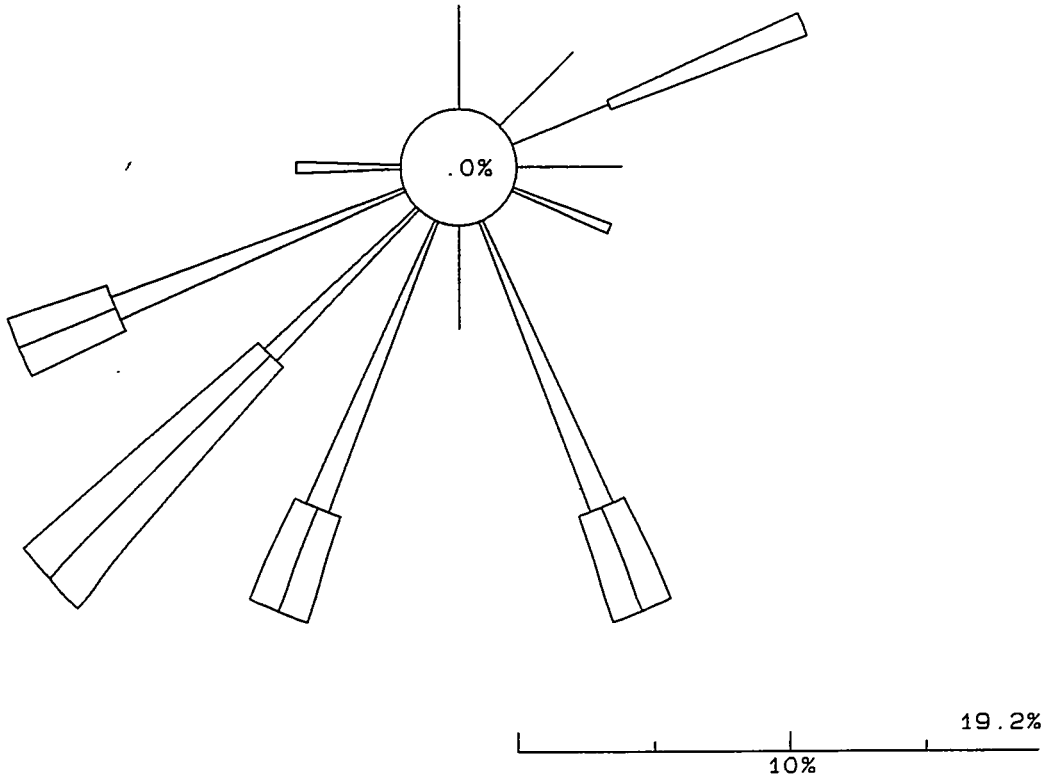




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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



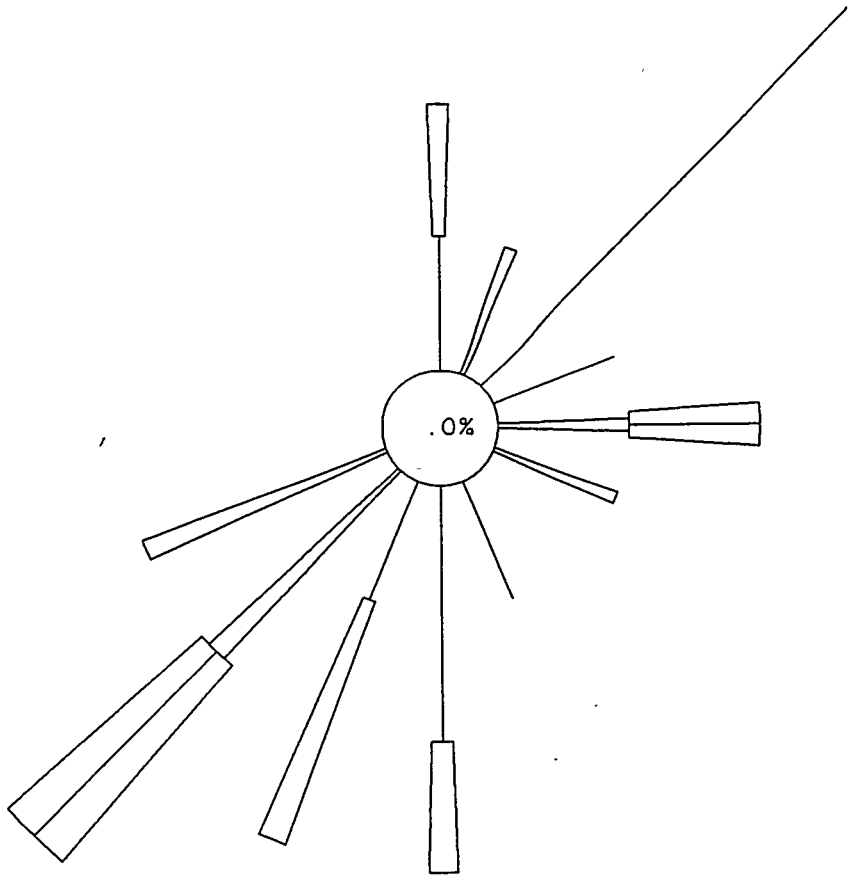

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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




16.7%
10%

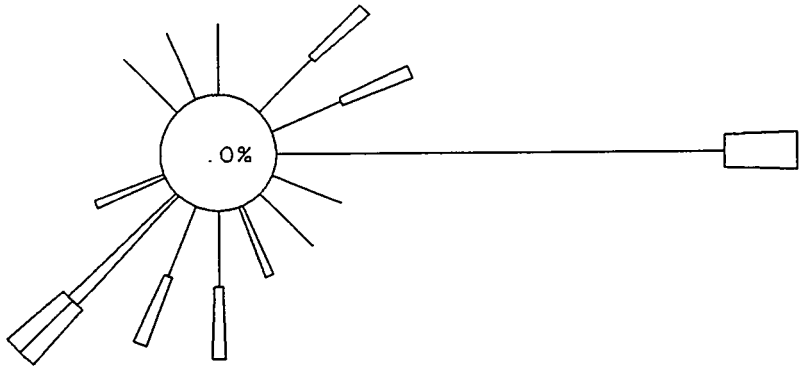
WIND SPEED CLASSES (MPS)

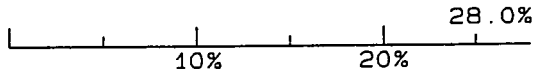
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

83.5% DATA RECOVERED
OF WHICH 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



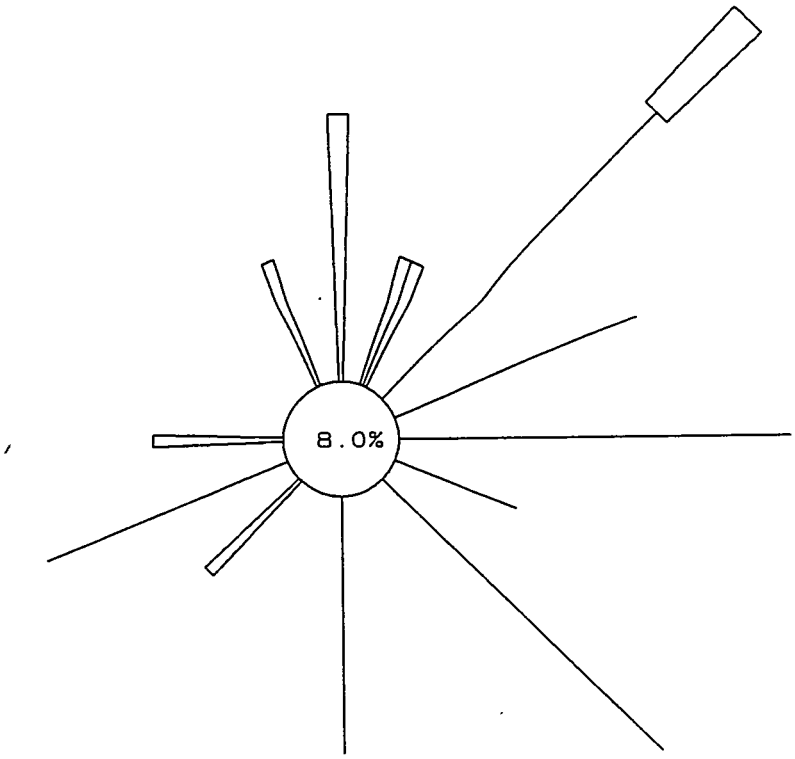




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 0 | 1.8< WS <= 3.3 |
| 3 | 00 | 3.3< WS <= 5.4 |
| 4 | 000 | 5.4< WS <= 8.5 |
| 5 | 0000 | 8.5< WS <=10.8 |
| 6 | 00000 | 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



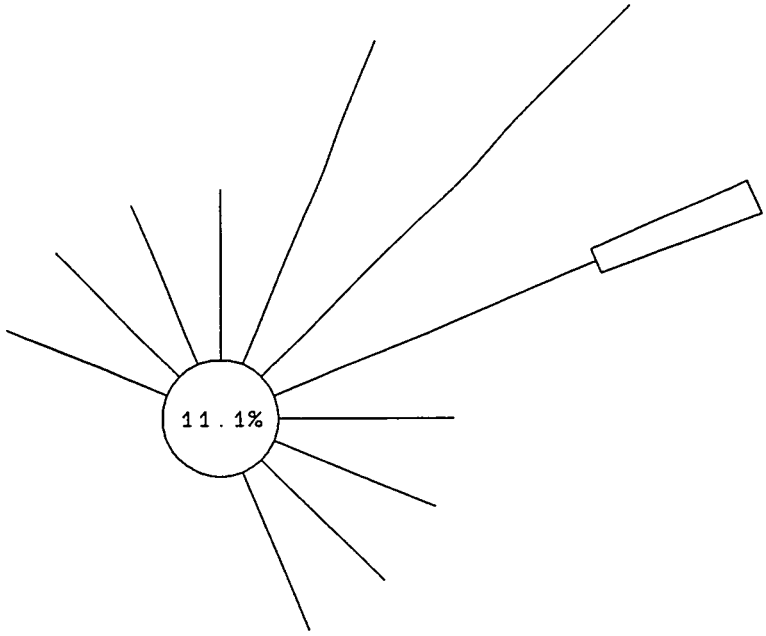

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 B
2 METER HEIGHT - Total Hours
12/ 1/1995 - 12/31/1995
0 - 2400

N



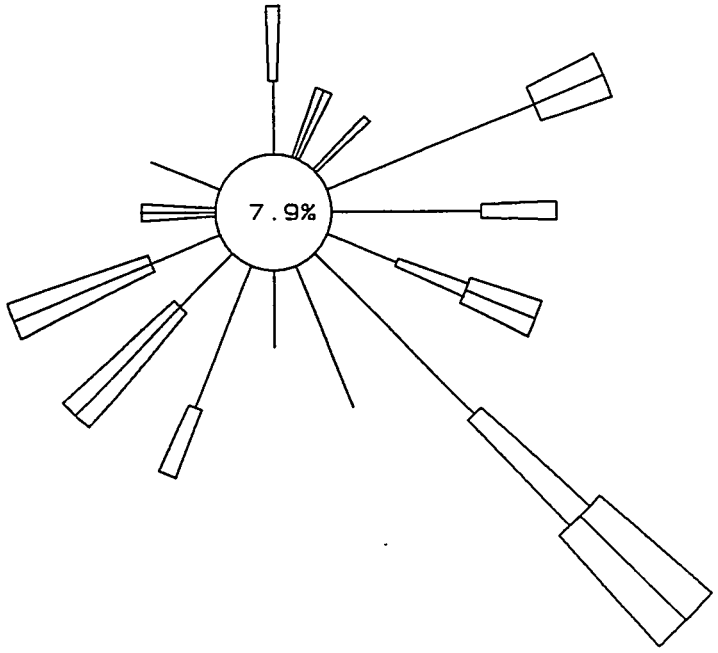

16.7%
10%

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 |

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

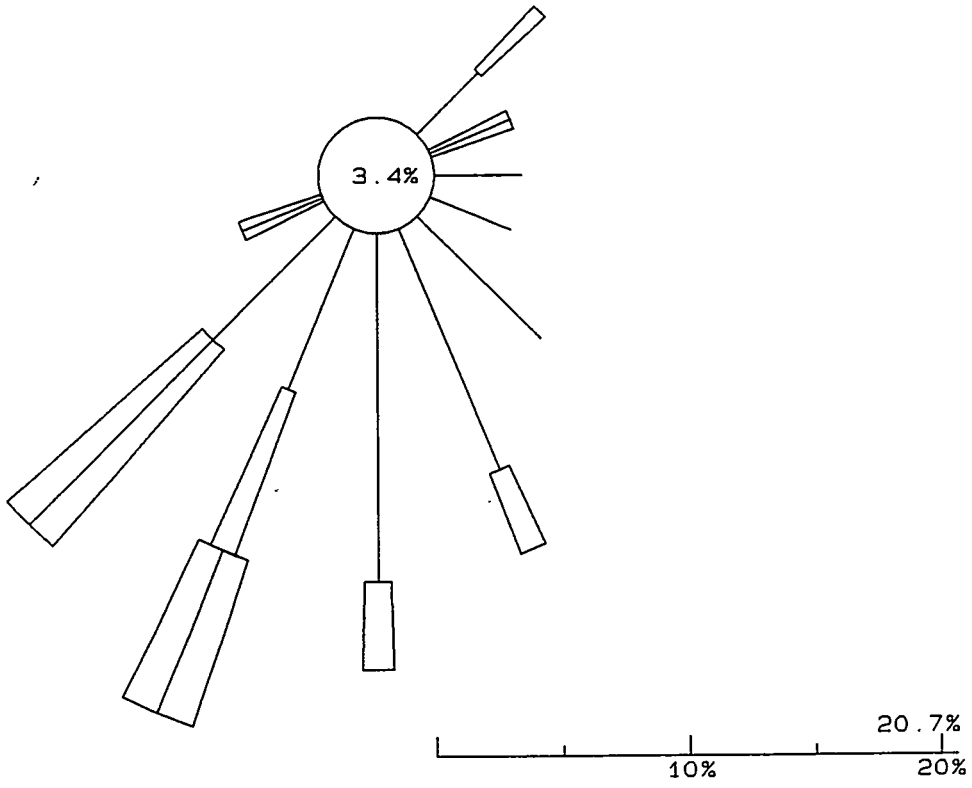



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 2 | 1.8< WS <= 3.3 |
| 3 | 3 | 3.3< WS <= 5.4 |
| 4 | 4 | 5.4< WS <= 8.5 |
| 5 | 5 | 8.5< WS <=10.8 |
| 6 | 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

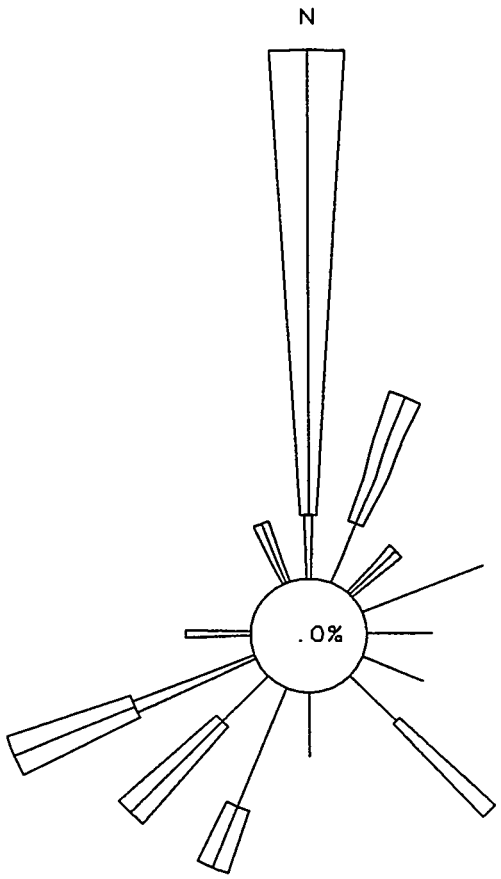


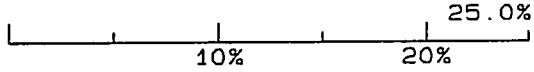

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



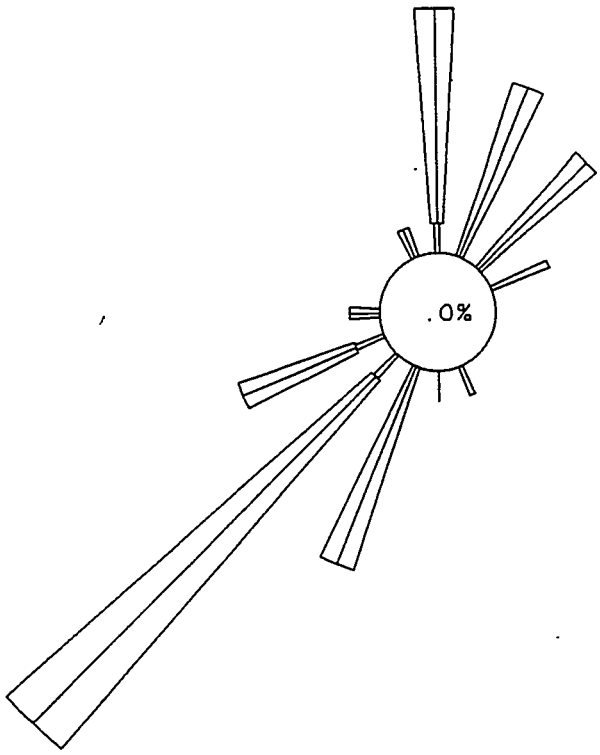



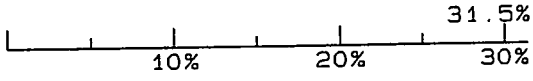

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 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
2 METER HEIGHT - Total Hours
4/ 1/1995 - 4/30/1995
0 - 2400



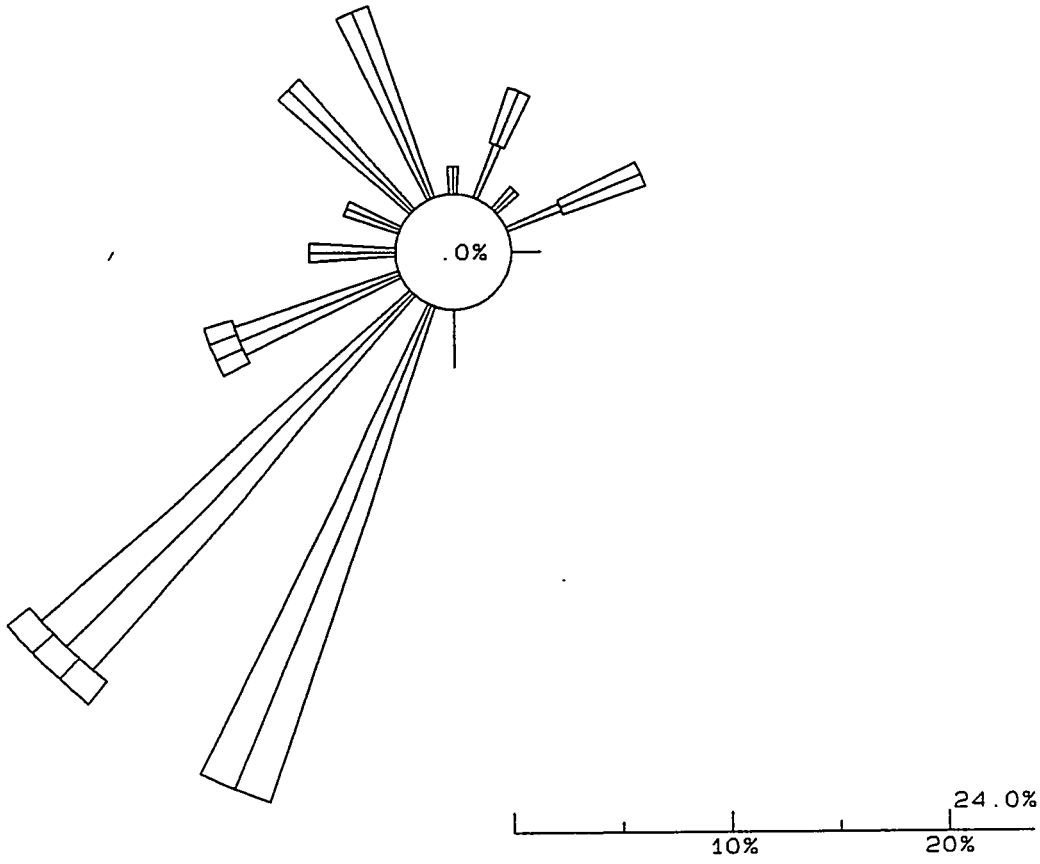




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 C
2 METER HEIGHT - Total Hours
5/ 1/1995 - 5/31/1995
0 - 2400



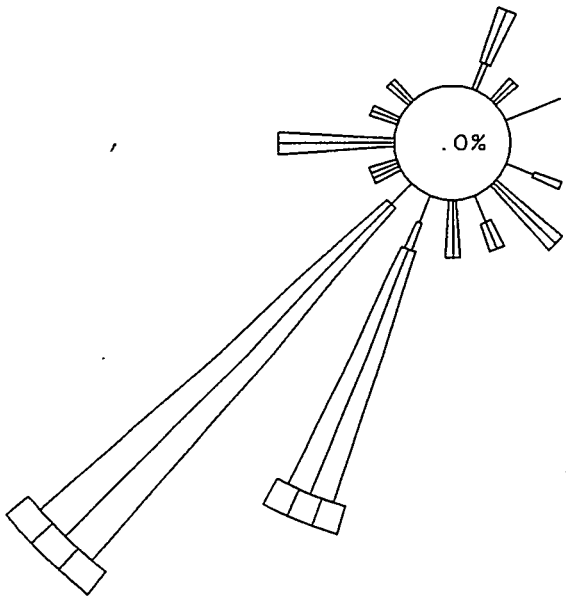

WIND SPEED CLASSES (MPS)

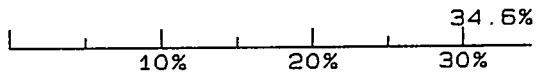
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

100.0% DATA RECOVERED
OF WHICH 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



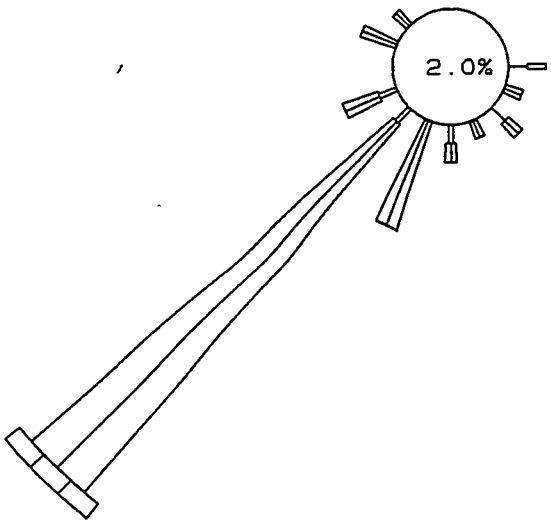



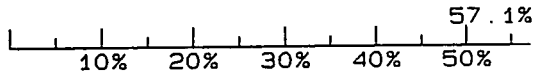

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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 7.2% 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



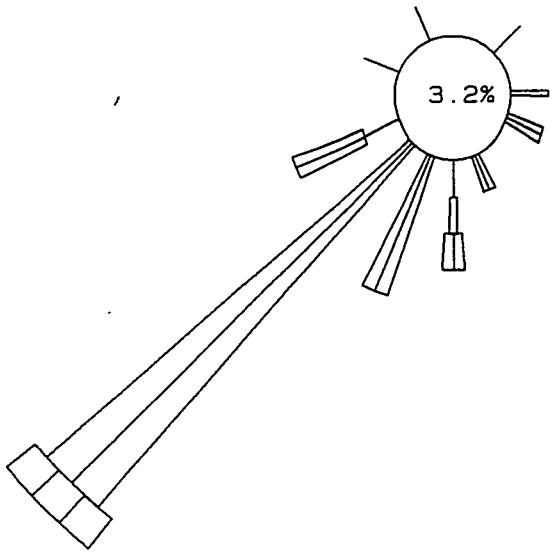

WIND SPEED CLASSES (MPS)

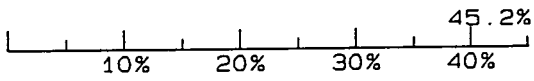
| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 0 | 1.8< WS <= 3.3 |
| 3 | 00 | 3.3< WS <= 5.4 |
| 4 | 000 | 5.4< WS <= 8.5 |
| 5 | 0000 | 8.5< WS <=10.8 |
| 6 | 00000 | 10.8< WS |

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



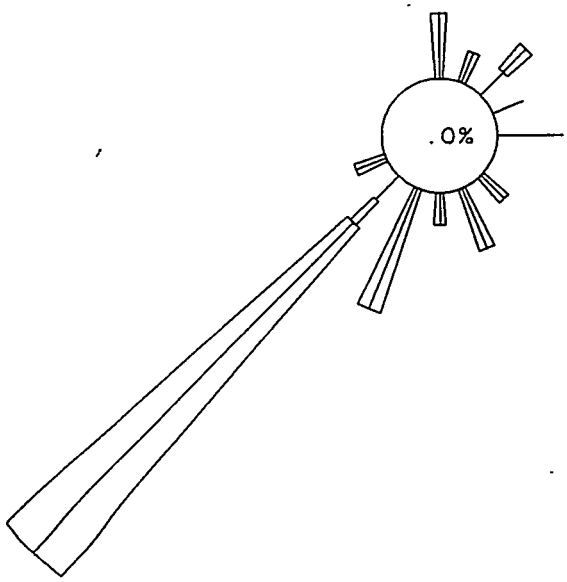

WIND SPEED CLASSES (MPS)

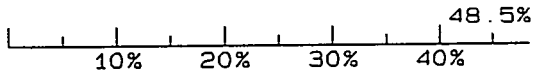
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

99.5% DATA RECOVERED
OF WHICH 4.2% IS
REPORTED ABOVE

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

N



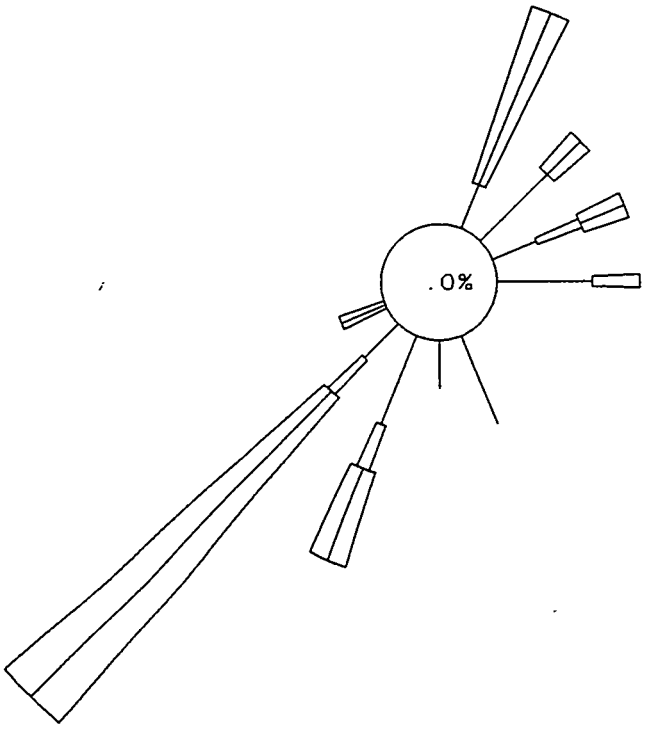

WIND SPEED CLASSES (MPS)

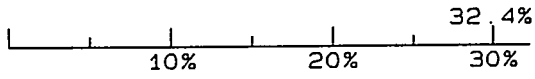
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

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



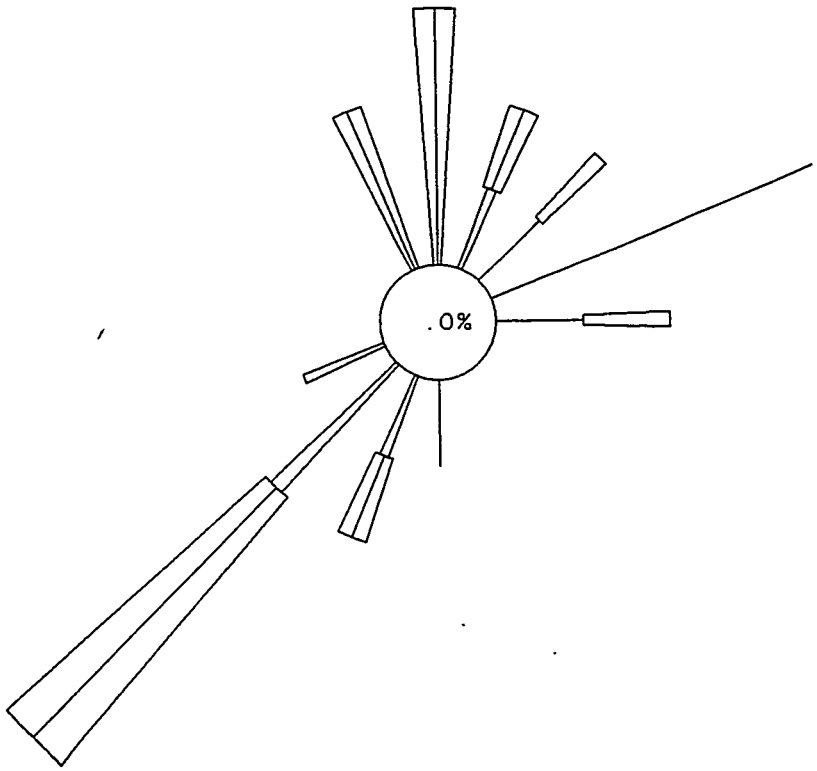

WIND SPEED CLASSES (MPS)

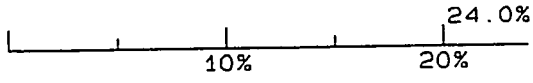
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

96.8% 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



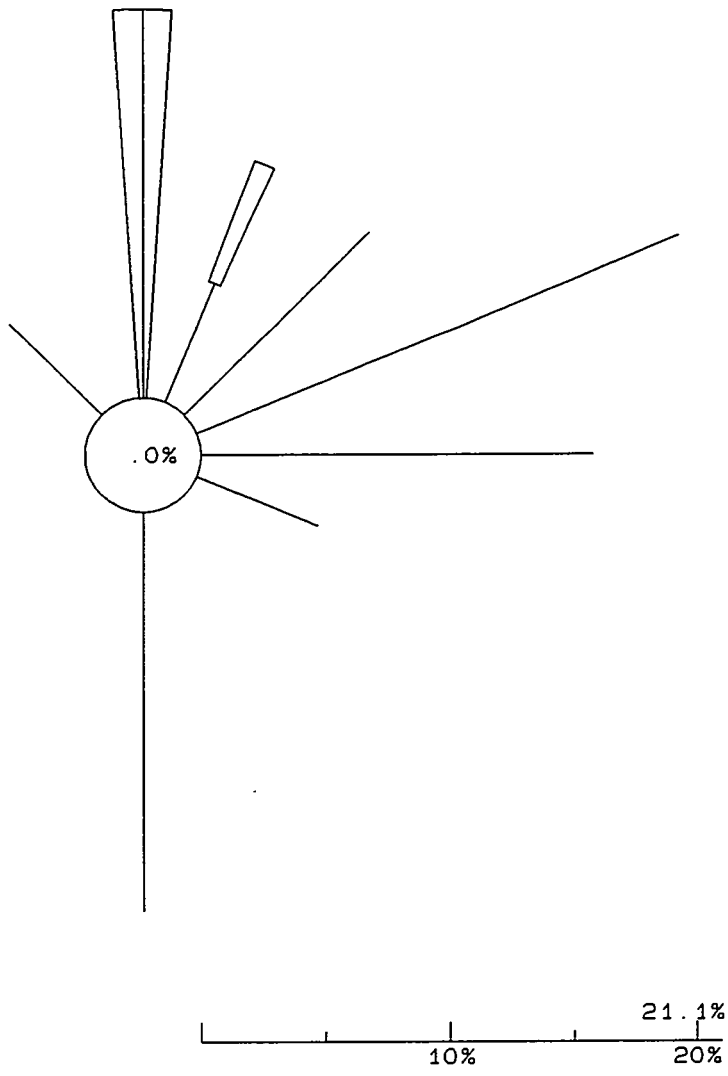




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 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
2 METER HEIGHT - Total Hours
12/ 1/1995 - 12/31/1995
0 - 2400



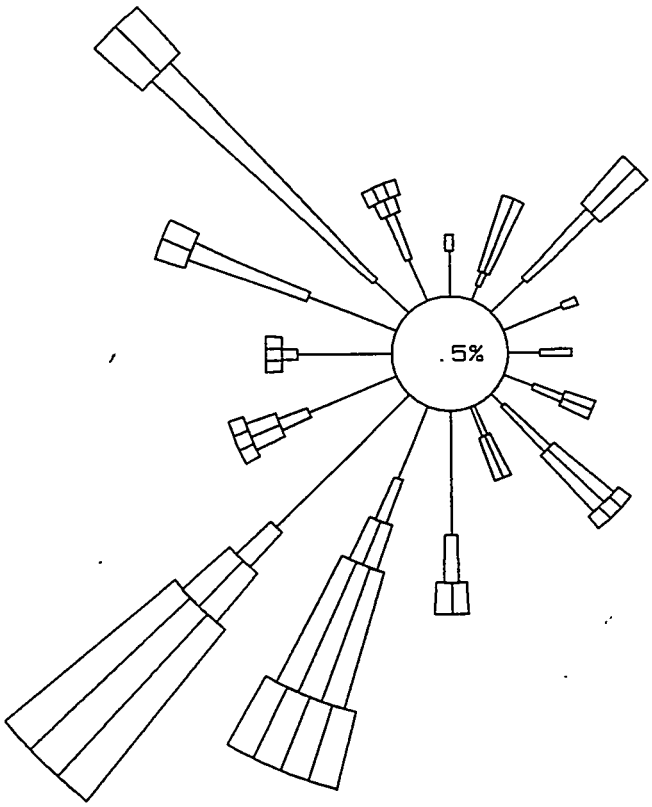

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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




16.8%
10%

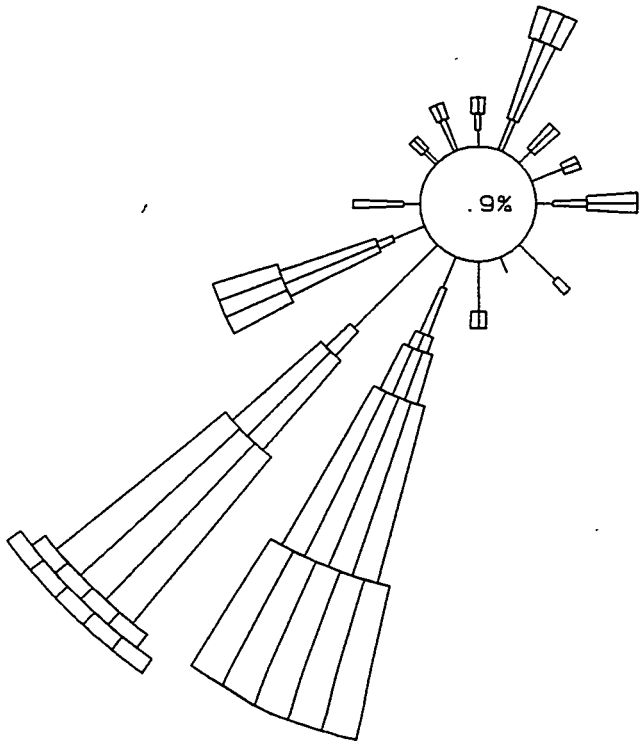
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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



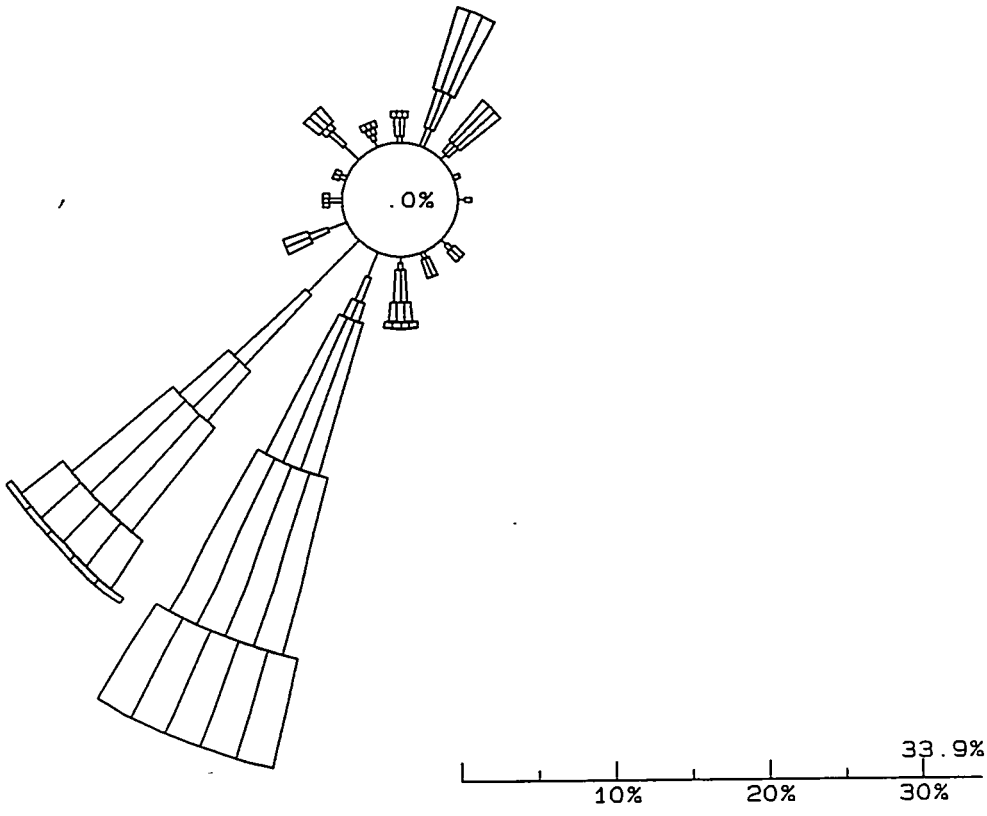

26.7%
10%
20%

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 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

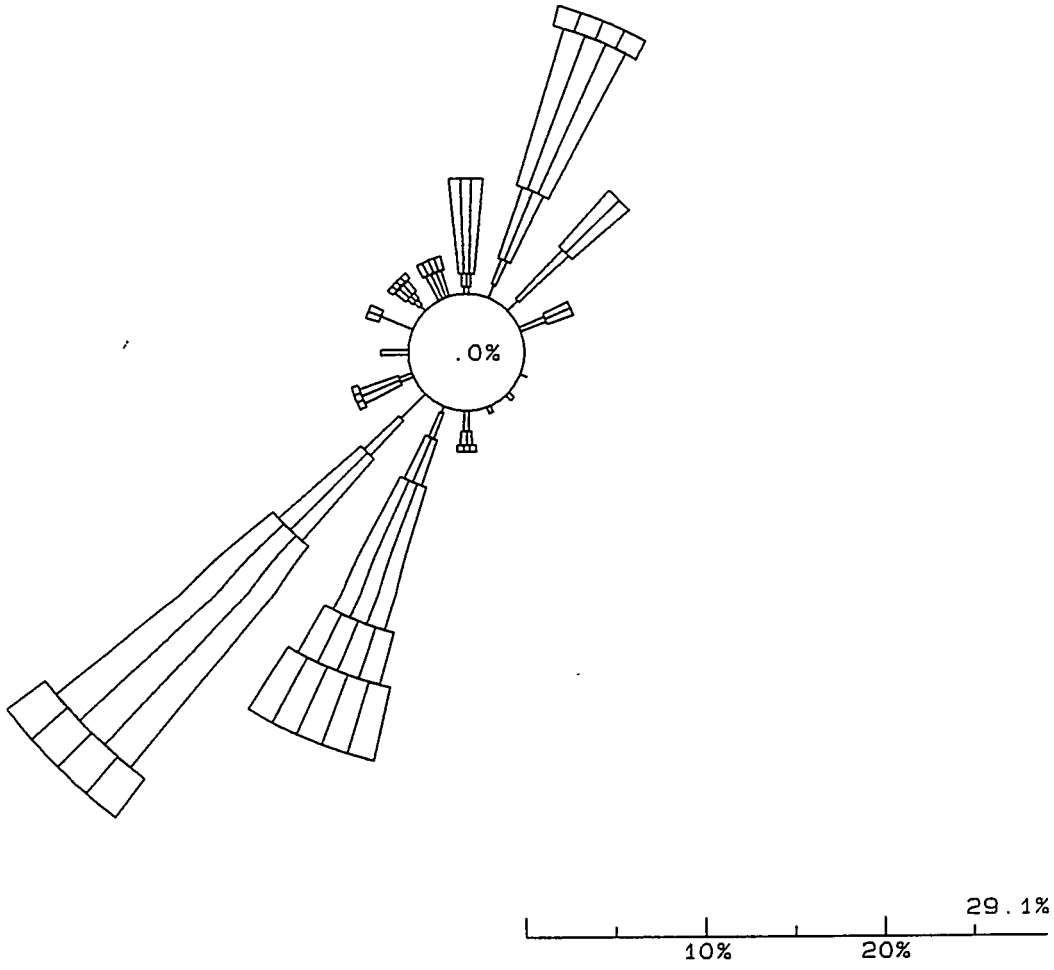



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | O | 1.8< WS <= 3.3 |
| 3 | OO | 3.3< WS <= 5.4 |
| 4 | OOO | 5.4< WS <= 8.5 |
| 5 | OOOO | 8.5< WS <=10.8 |
| 6 | OOOOO | 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



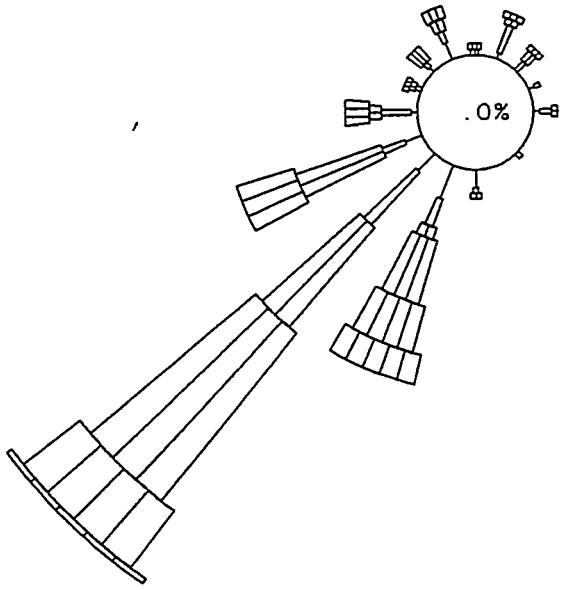

WIND SPEED CLASSES (MPS)

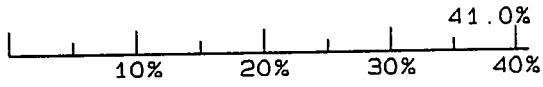
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | D | 1.8< WS <= 3.3 |
| 3 | DD | 3.3< WS <= 5.4 |
| 4 | DDD | 5.4< WS <= 8.5 |
| 5 | DDDD | 8.5< WS <=10.8 |
| 6 | DDDDD | 10.8< WS |

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



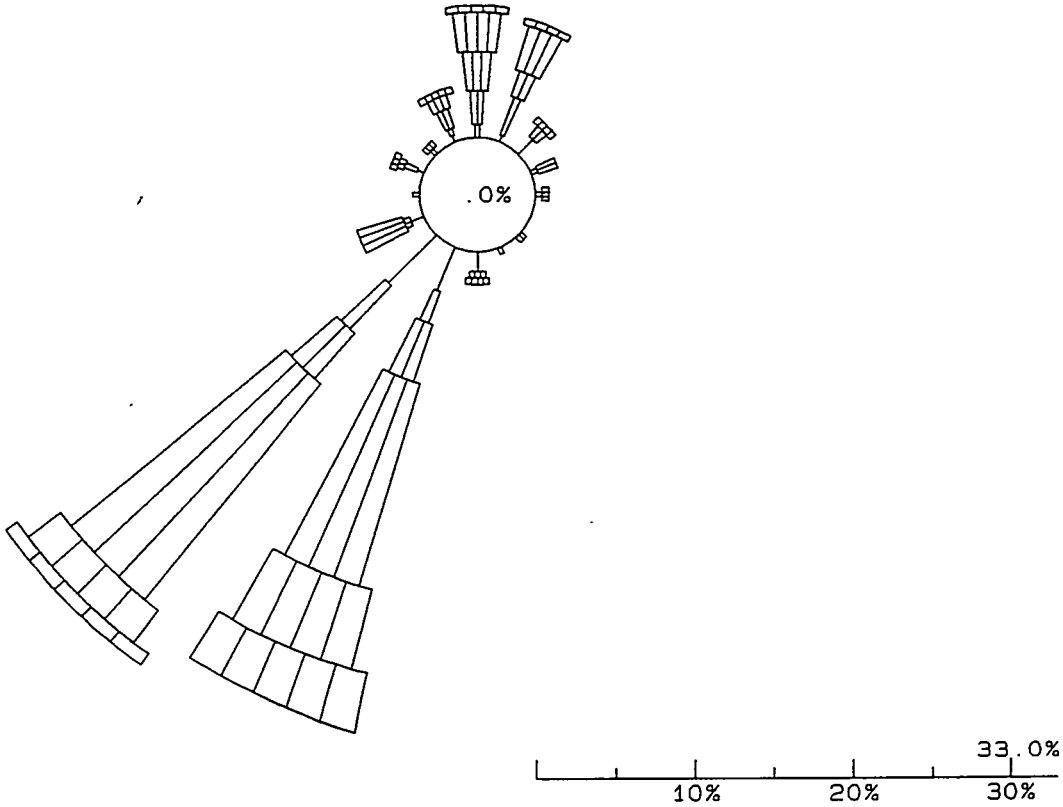

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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
2 METER HEIGHT - Total Hours
6/ 1/1995 - 6/30/1995
0 - 2400

N



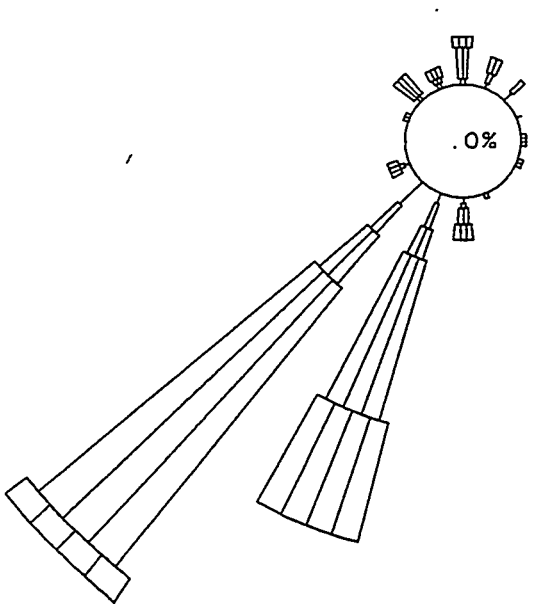

WIND SPEED CLASSES (MPS)

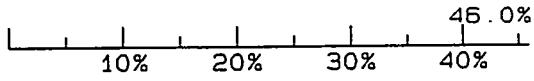
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

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



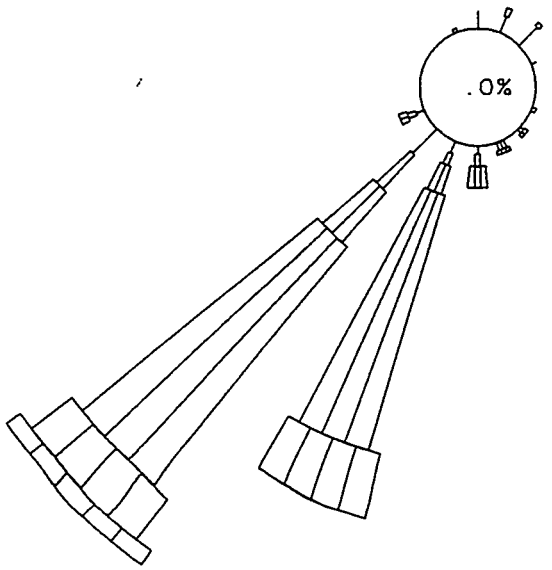

WIND SPEED CLASSES (MPS)

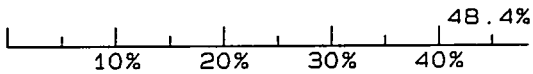
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

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



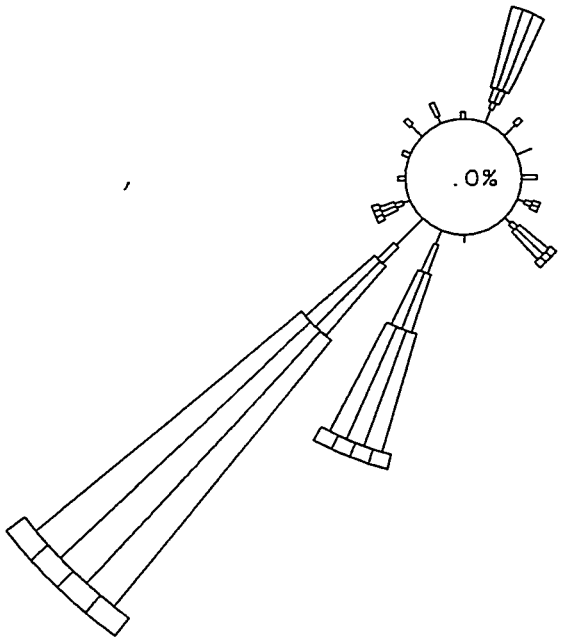



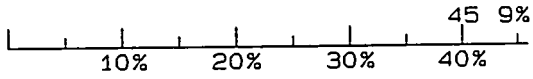

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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 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



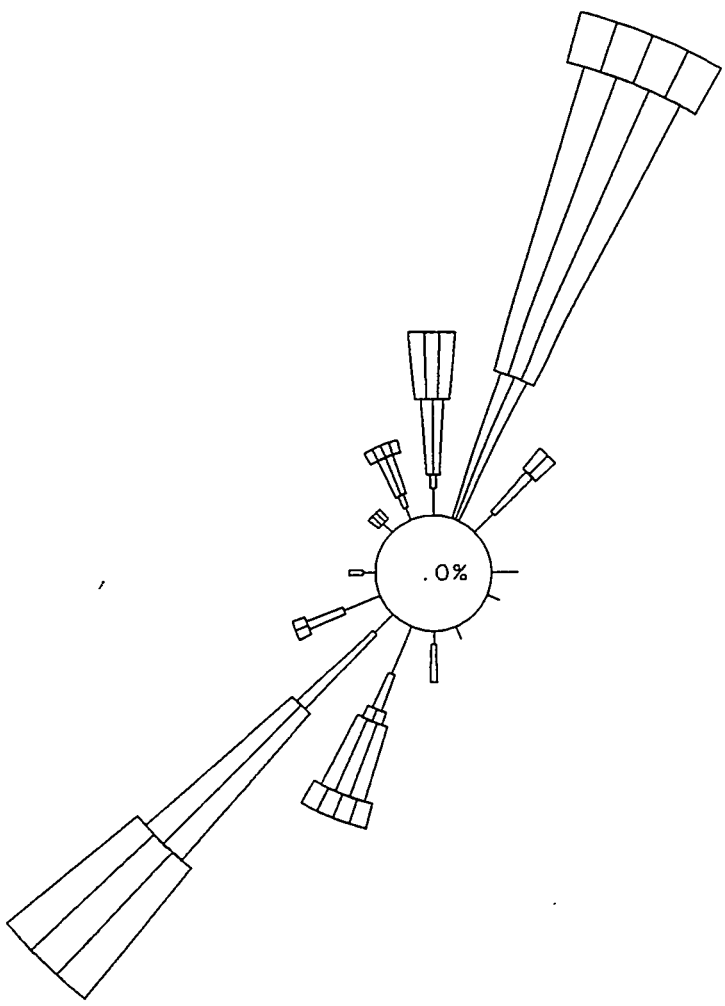




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 0 | 1.8< WS <= 3.3 |
| 3 | 00 | 3.3< WS <= 5.4 |
| 4 | 000 | 5.4< WS <= 8.5 |
| 5 | 0000 | 8.5< WS <=10.8 |
| 6 | 00000 | 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

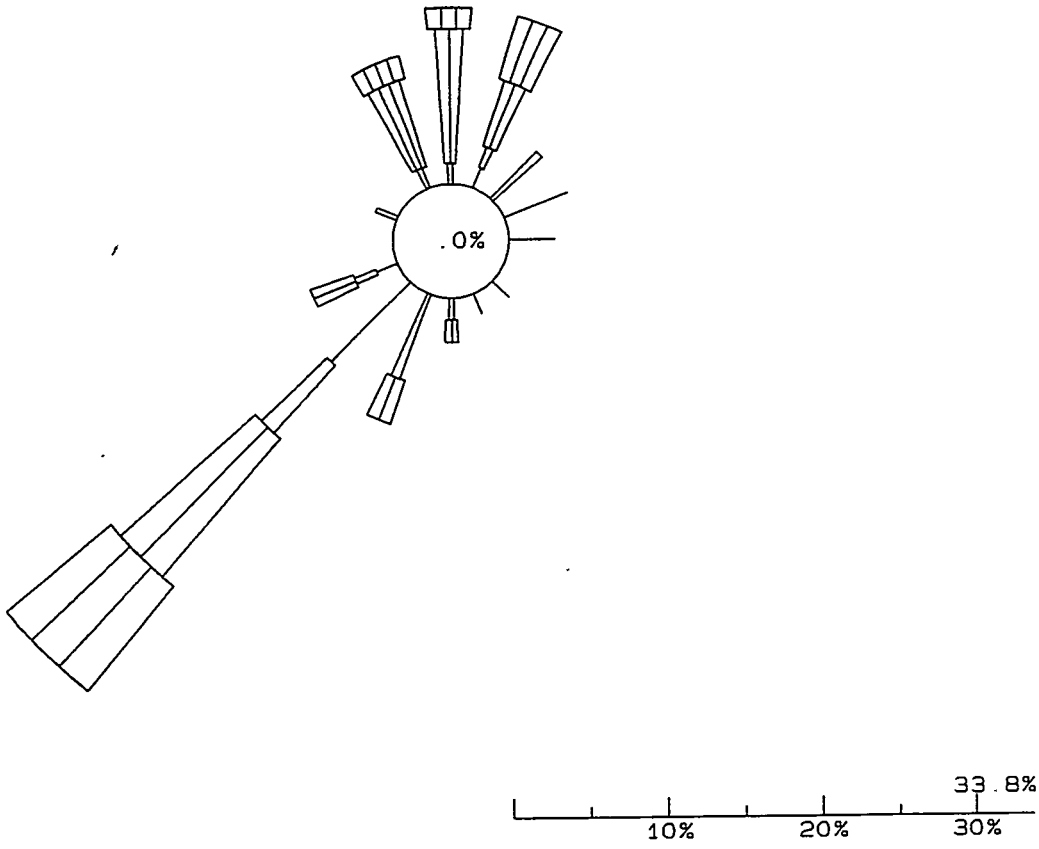



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

96.8% 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

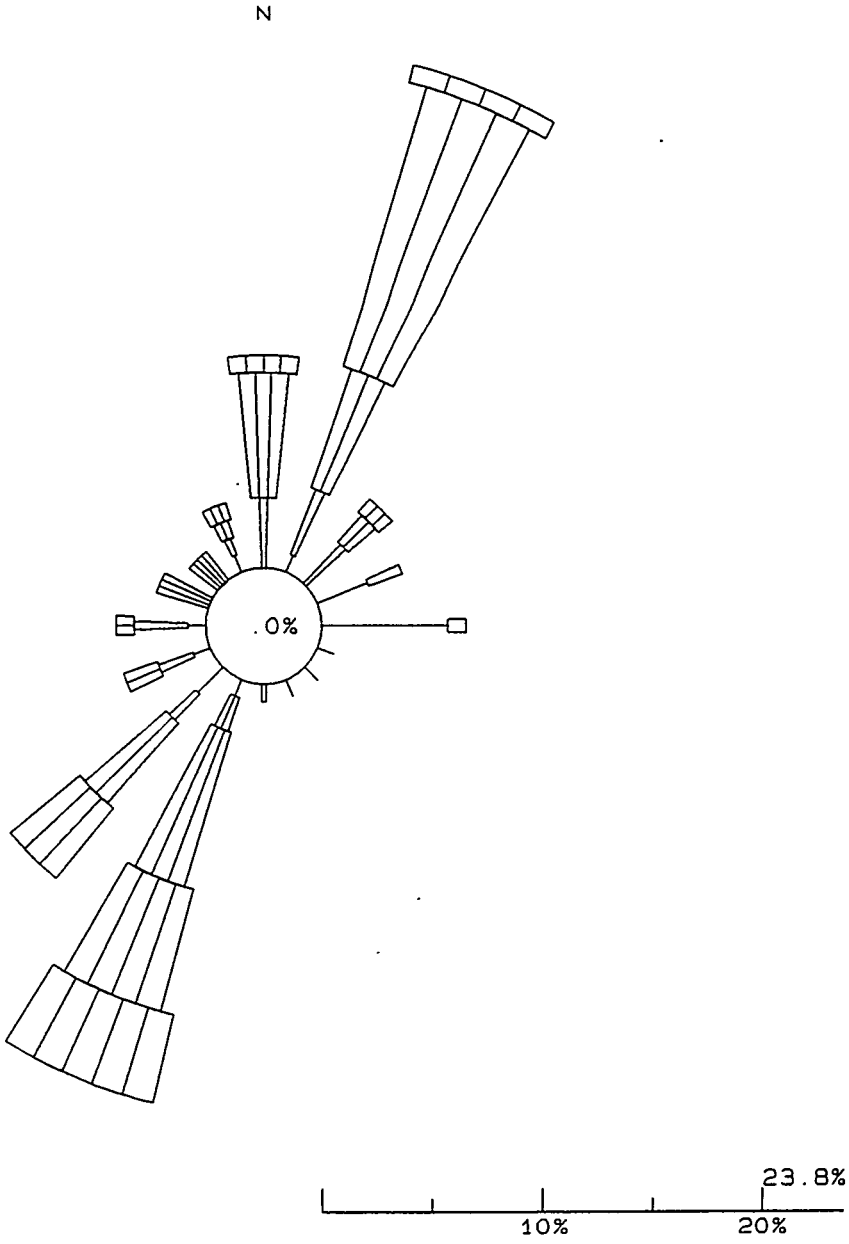



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

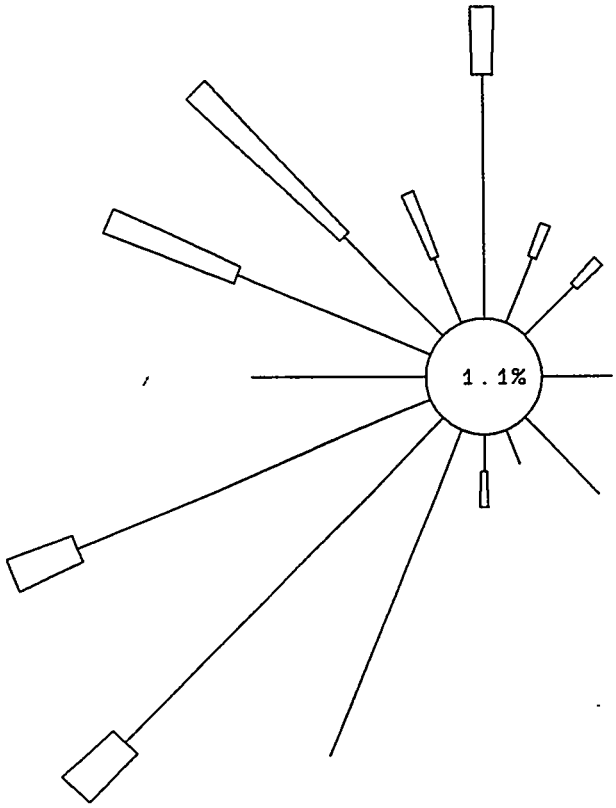



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 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



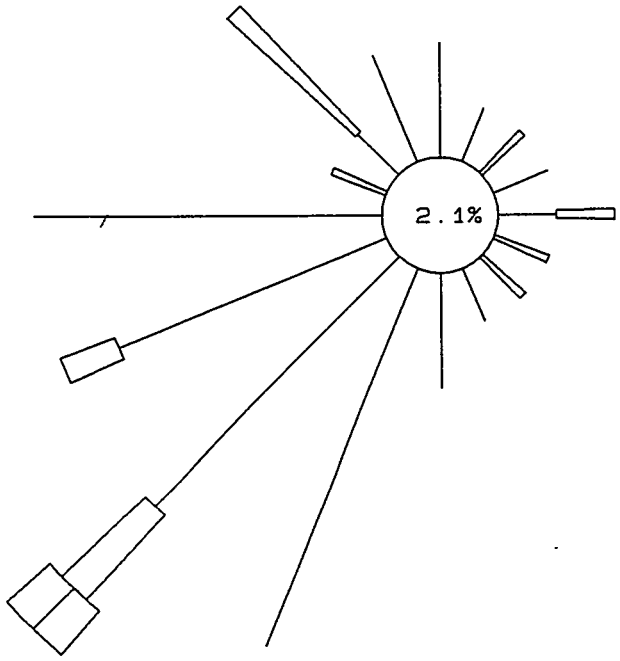

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



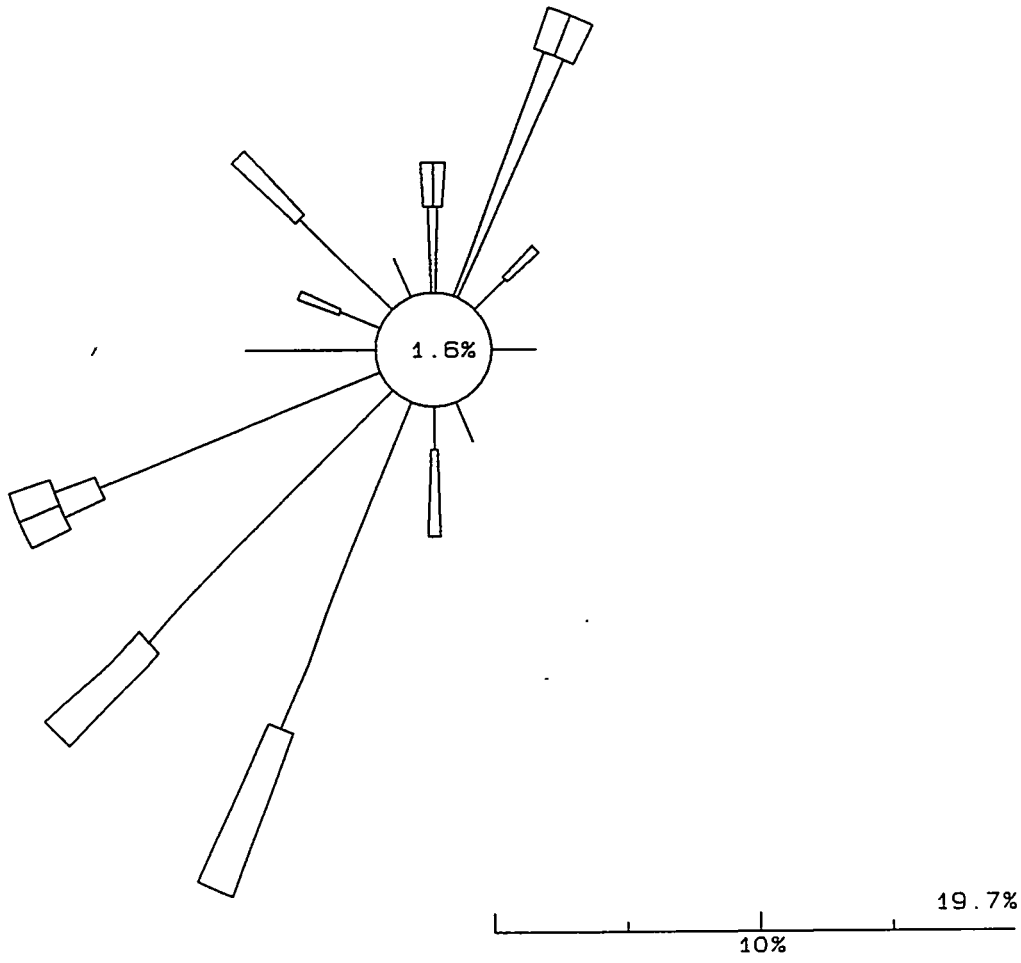

18.8%
10%

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 |

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



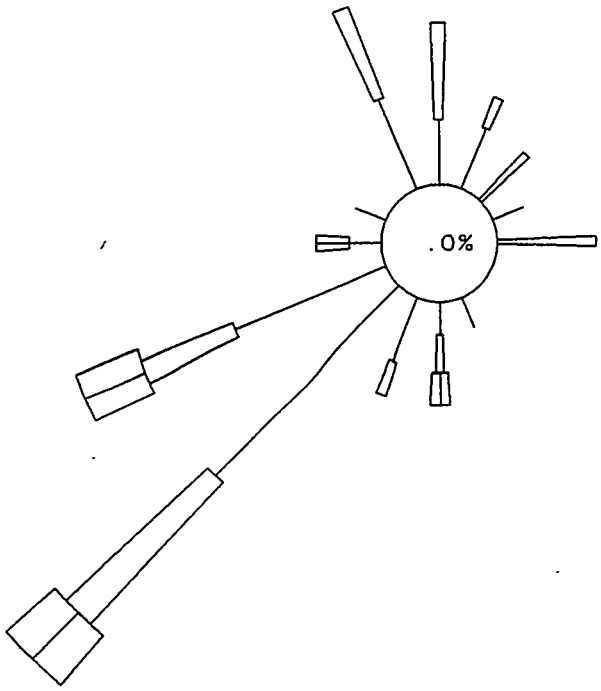

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | O | 1.8< WS <= 3.3 |
| 3 | OO | 3.3< WS <= 5.4 |
| 4 | OOO | 5.4< WS <= 8.5 |
| 5 | OOOO | 8.5< WS <=10.8 |
| 6 | OOOOO | 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




28.6%
10%
20%

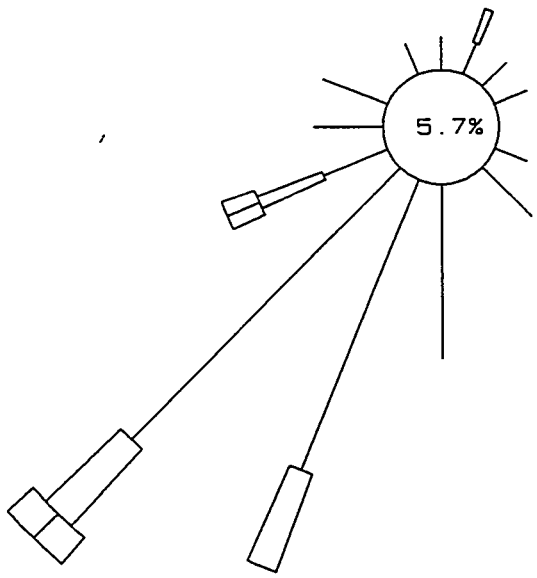
WIND SPEED CLASSES (MPS)

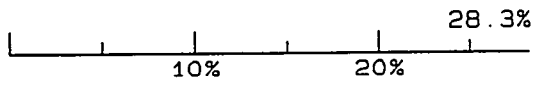
| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | | .5< WS <= 1.8 |
| 2 | | 1.8< WS <= 3.3 |
| 3 | | 3.3< WS <= 5.4 |
| 4 | | 5.4< WS <= 8.5 |
| 5 | | 8.5< WS <=10.8 |
| 6 | | 10.8< WS |

100.0% DATA RECOVERED
OF WHICH 7.8% 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



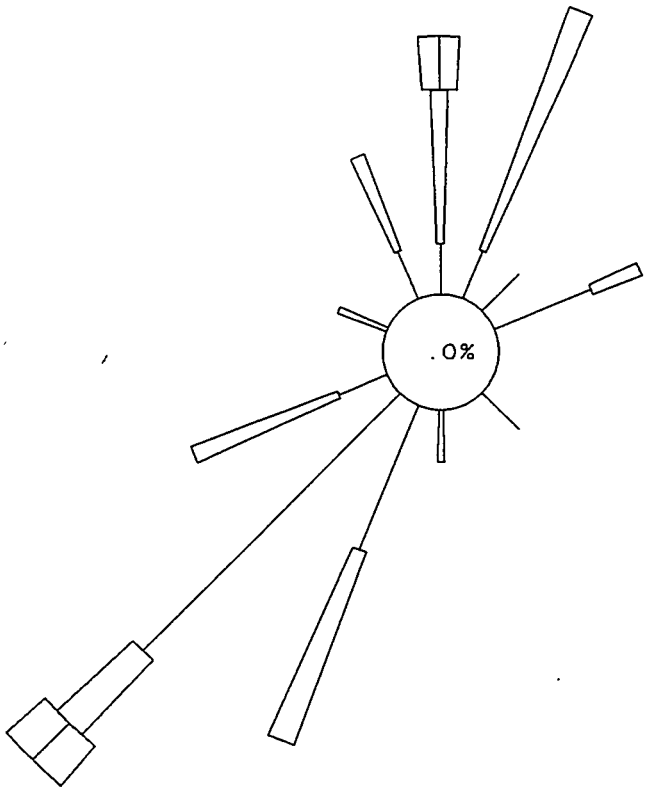




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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 7.1% 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



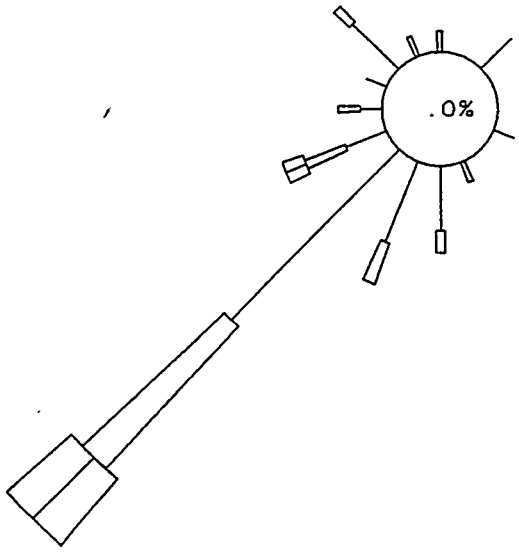

WIND SPEED CLASSES (MPS)

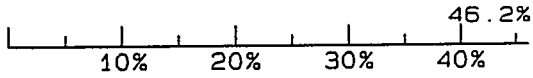
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

100.0% DATA RECOVERED
OF WHICH 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



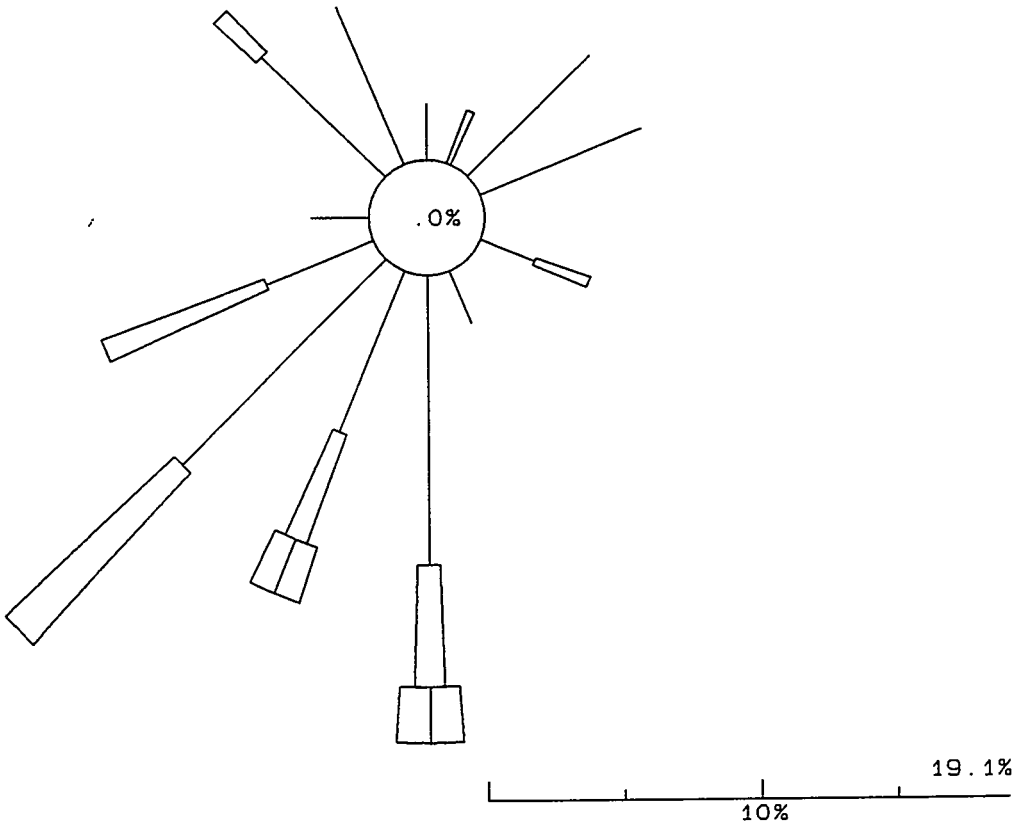




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 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 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



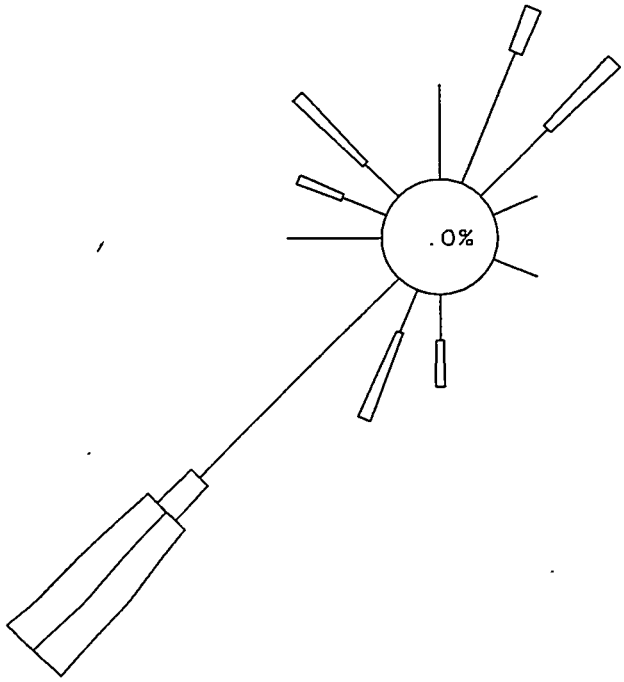

WIND SPEED CLASSES (MPS)

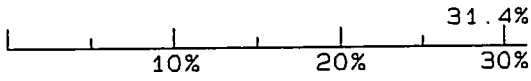
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10 8< WS |

99.5% DATA RECOVERED
OF WHICH 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



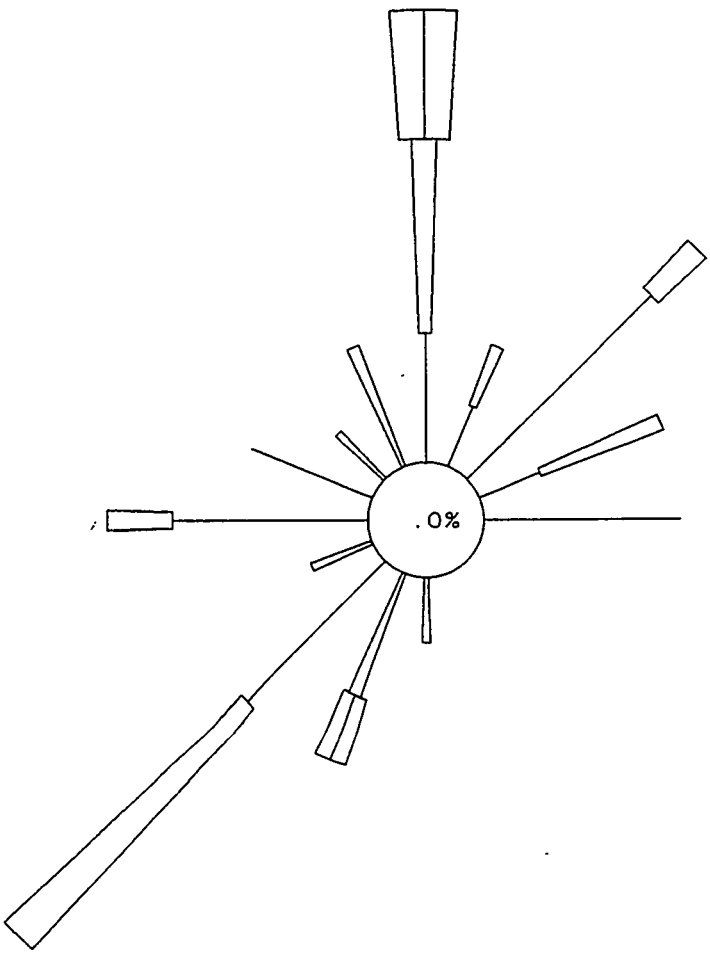




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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
2 METER HEIGHT - Total Hours
10/ 1/1995 - 10/31/1995
0 - 2400



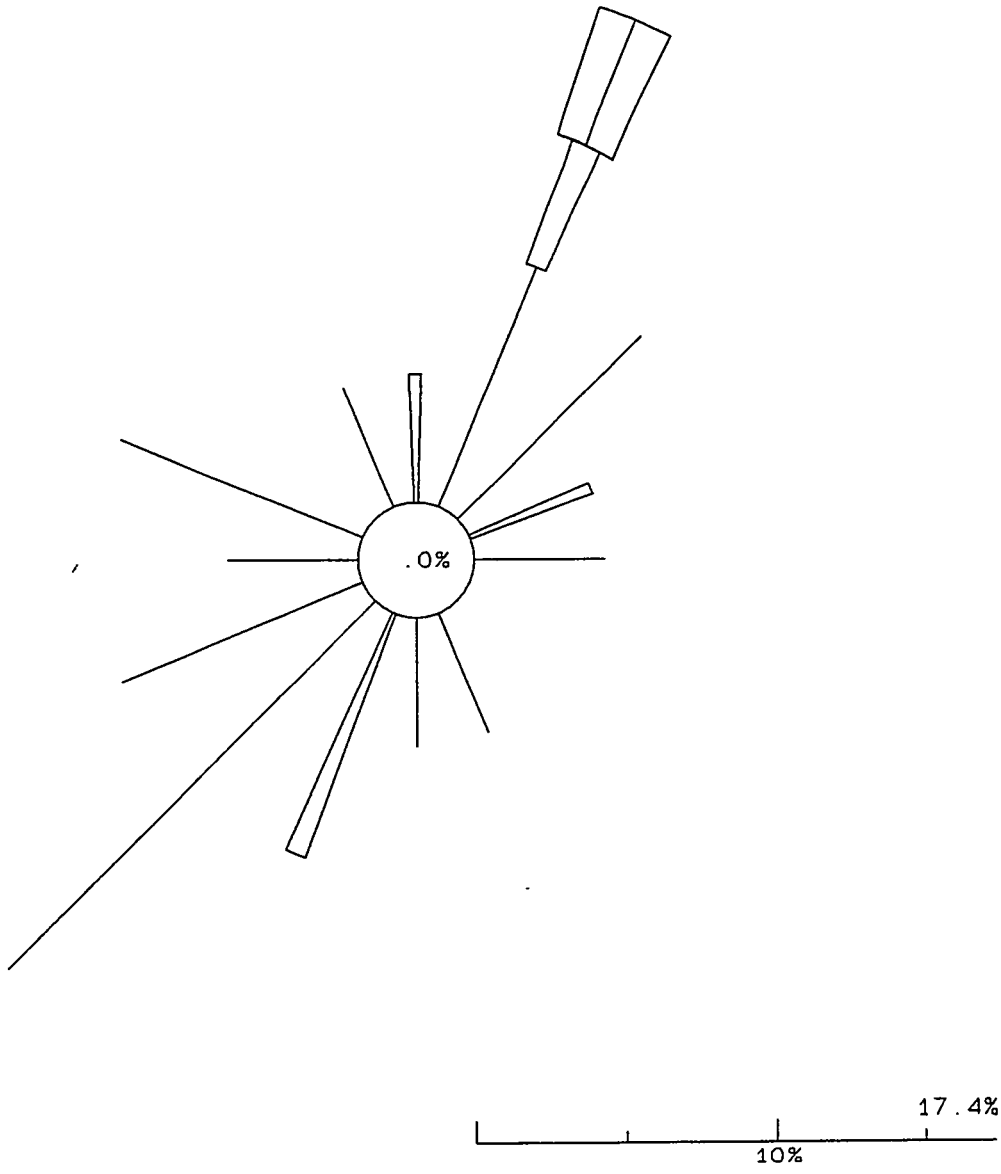

19.0%
10%

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 |

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

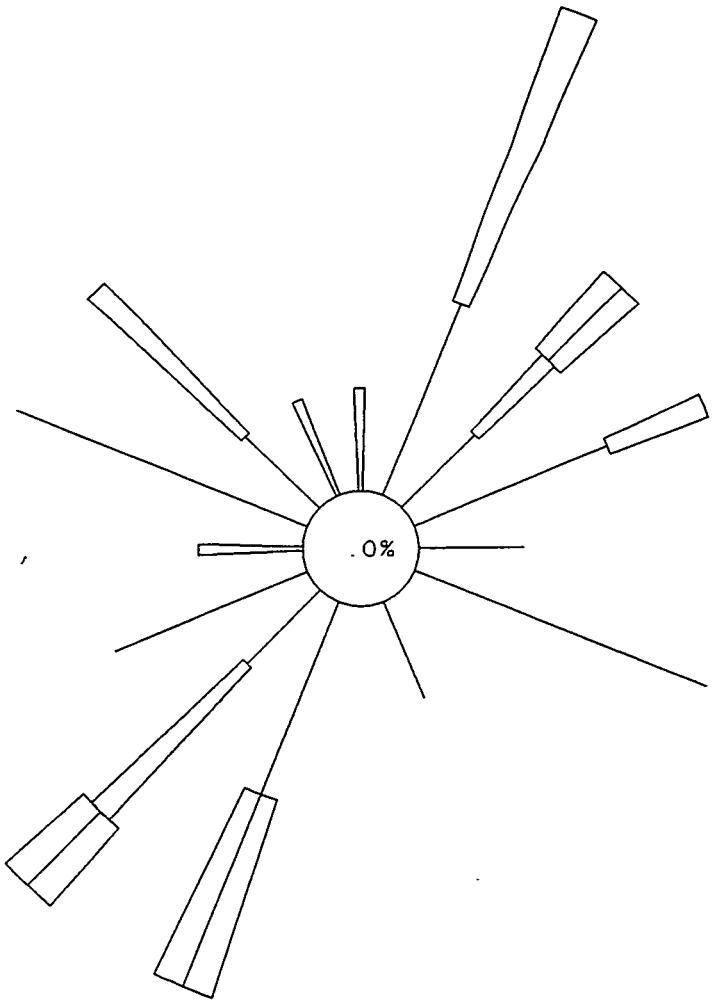



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 5.0% 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

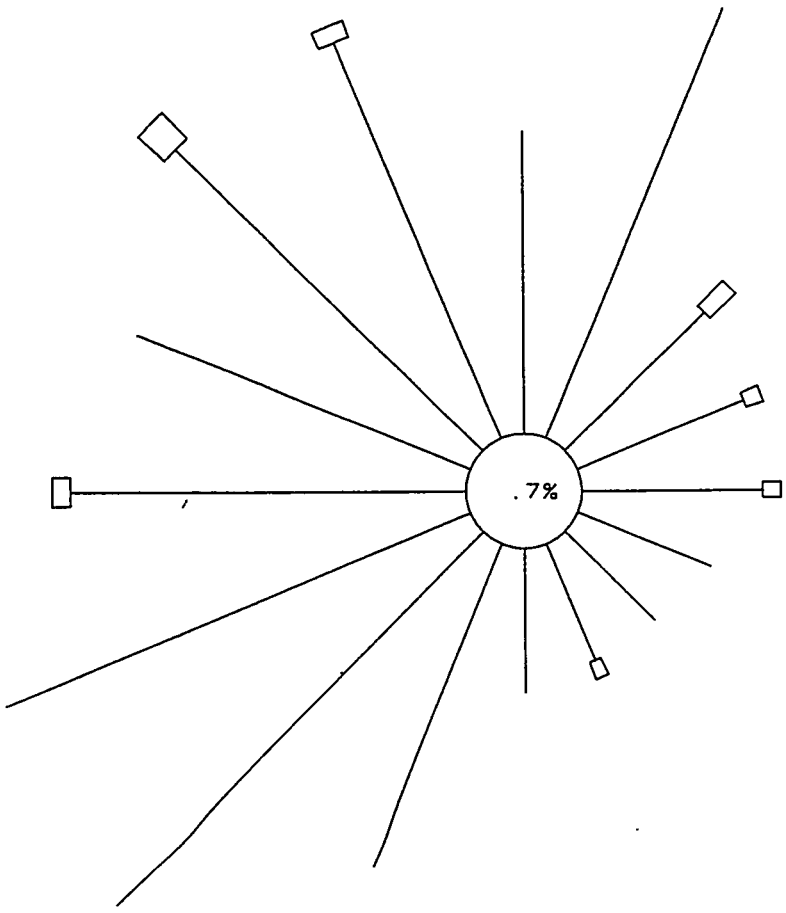



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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

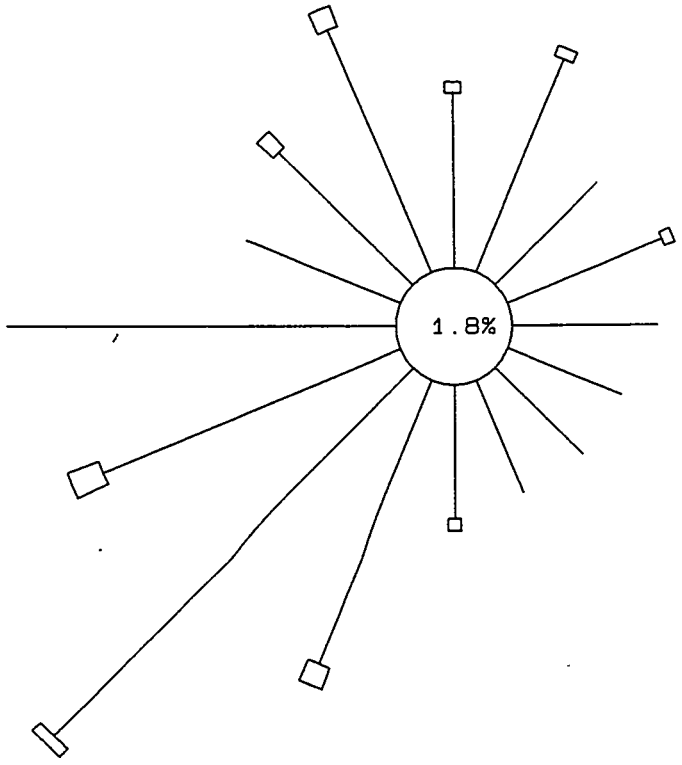



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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

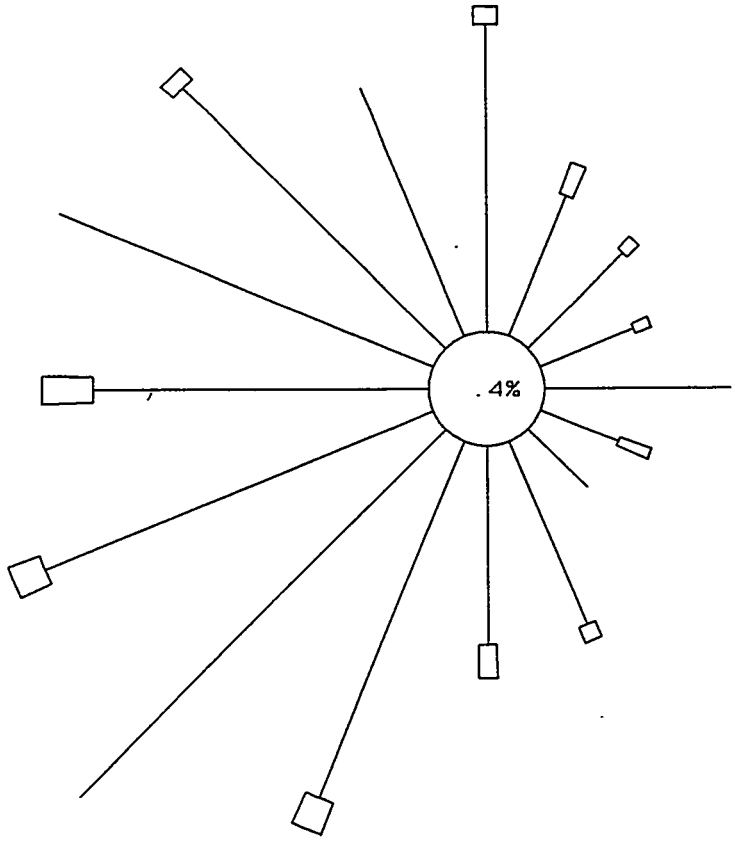



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 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

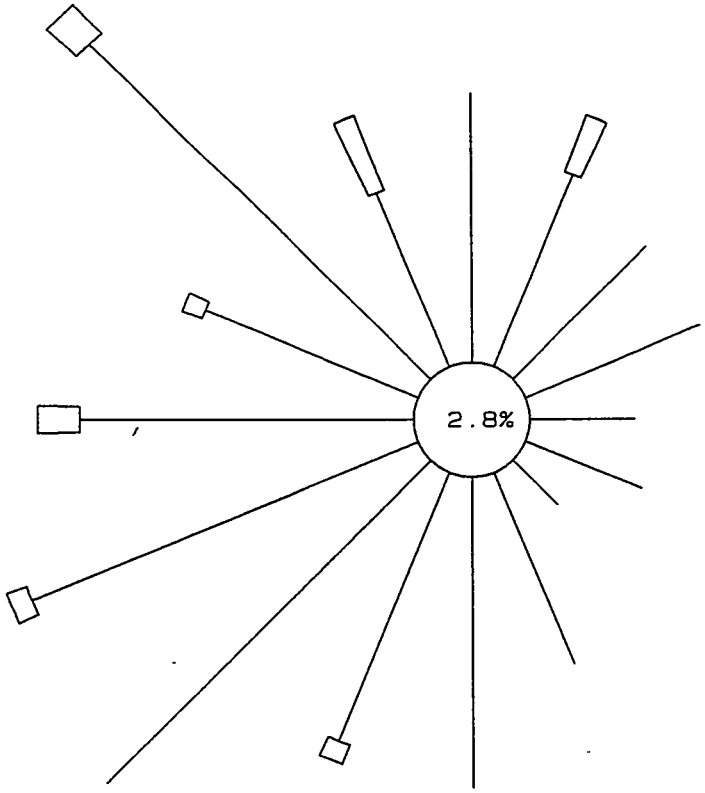



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 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



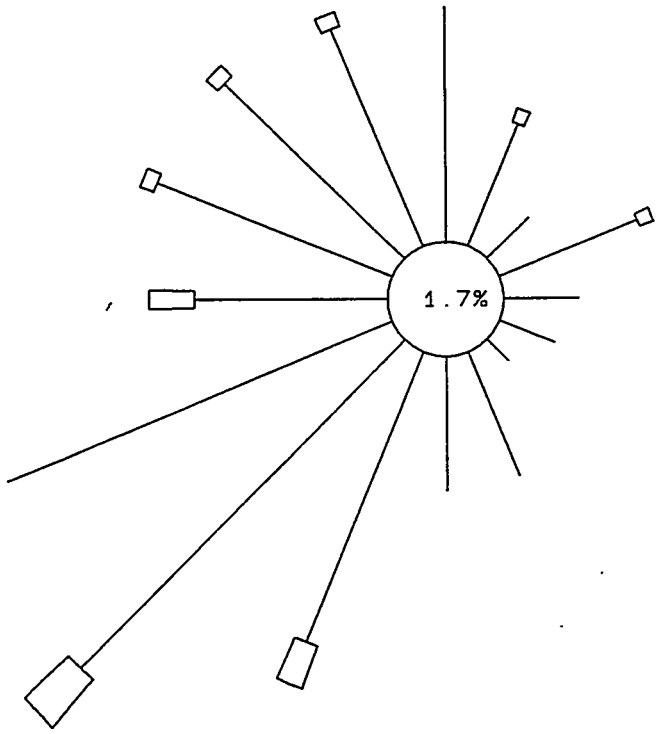

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 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



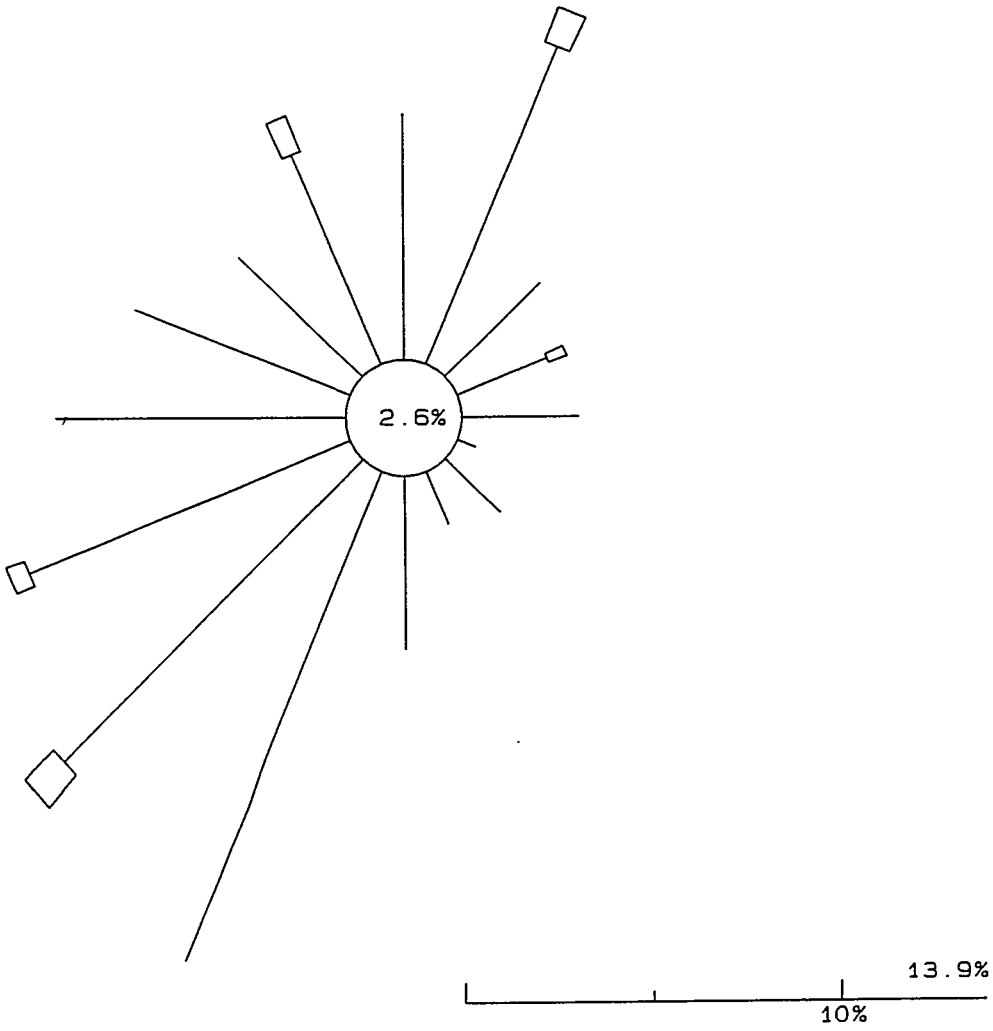

15.2%
10%

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 |

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

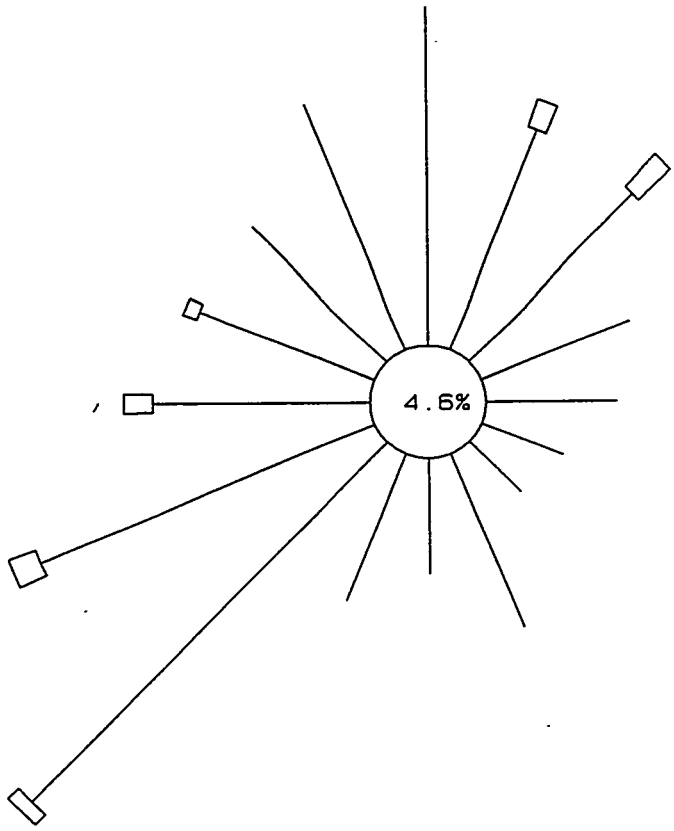



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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

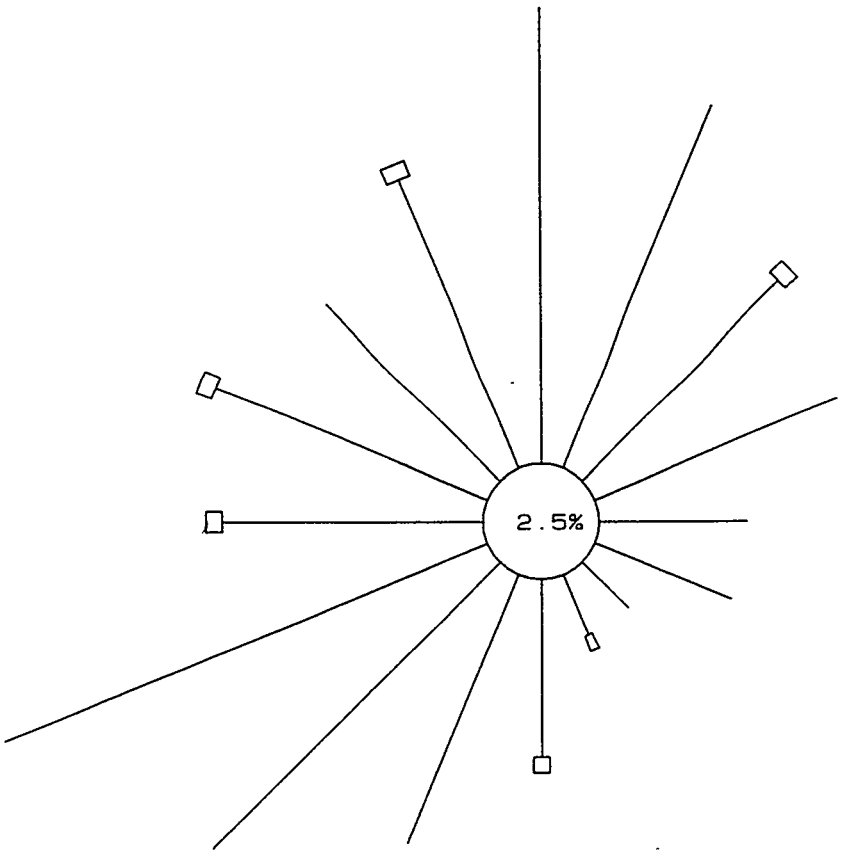



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

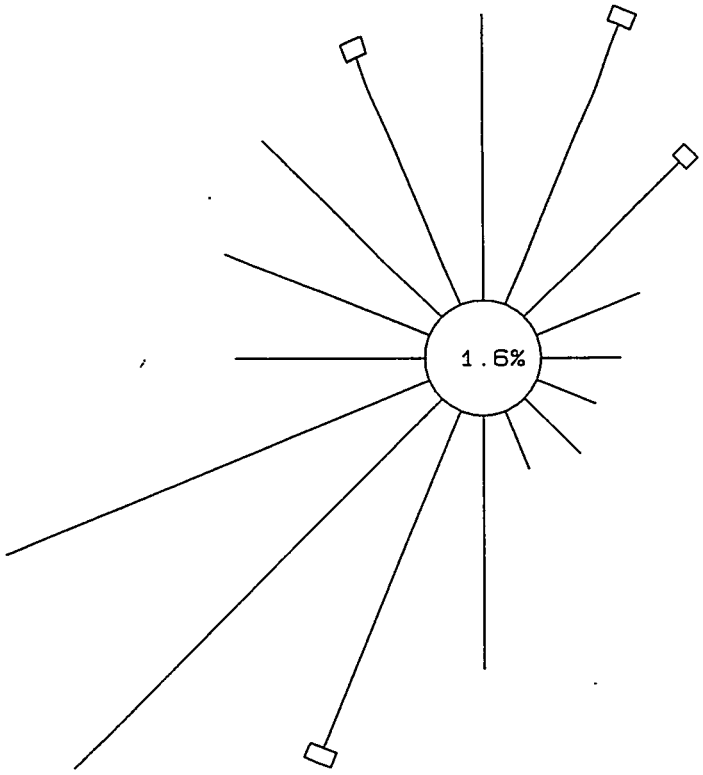



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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

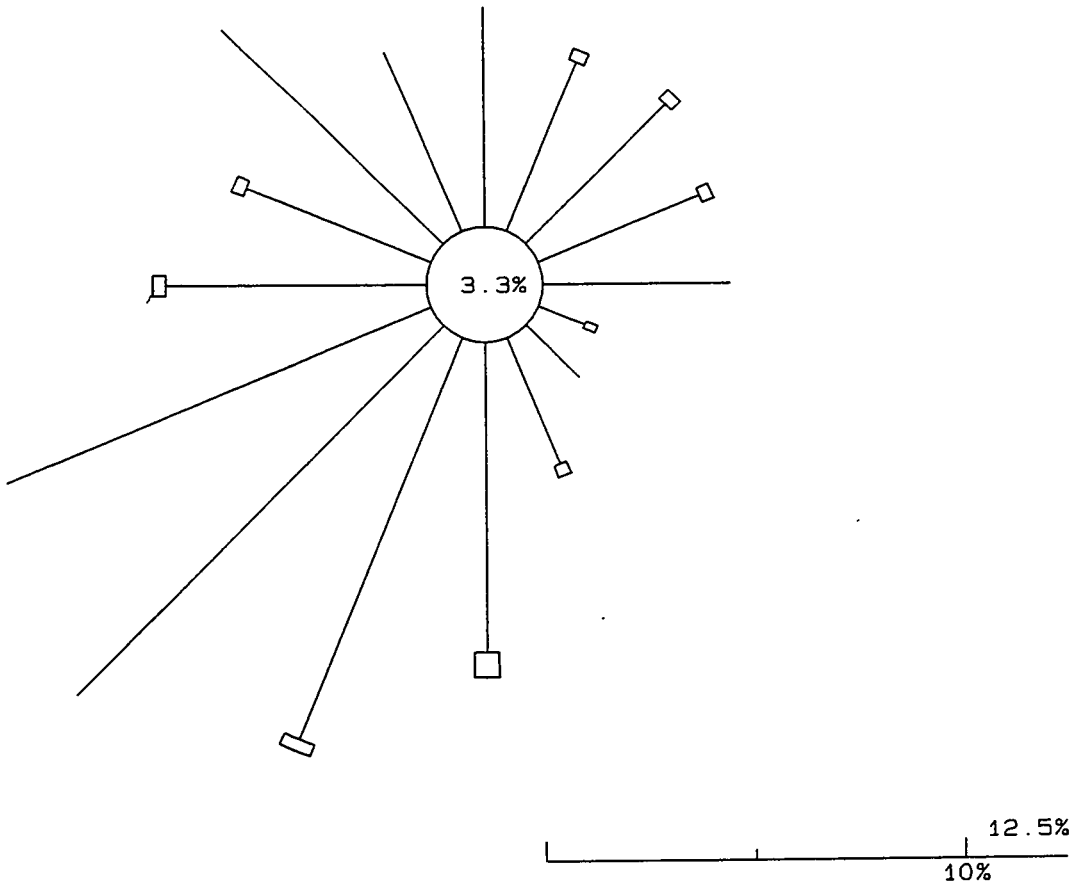



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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
2 METER HEIGHT - Total Hours
10/ 1/1995 - 10/31/1995
0 - 2400

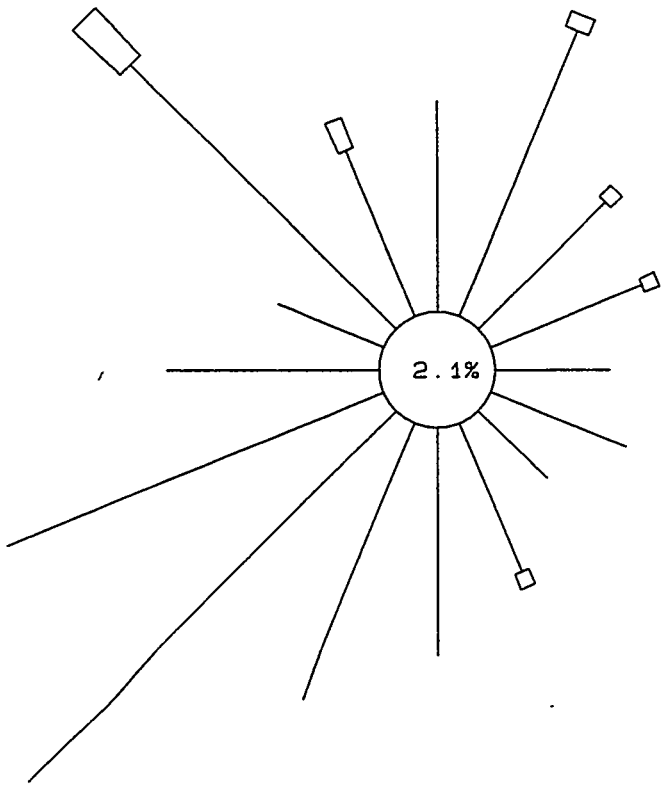



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 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

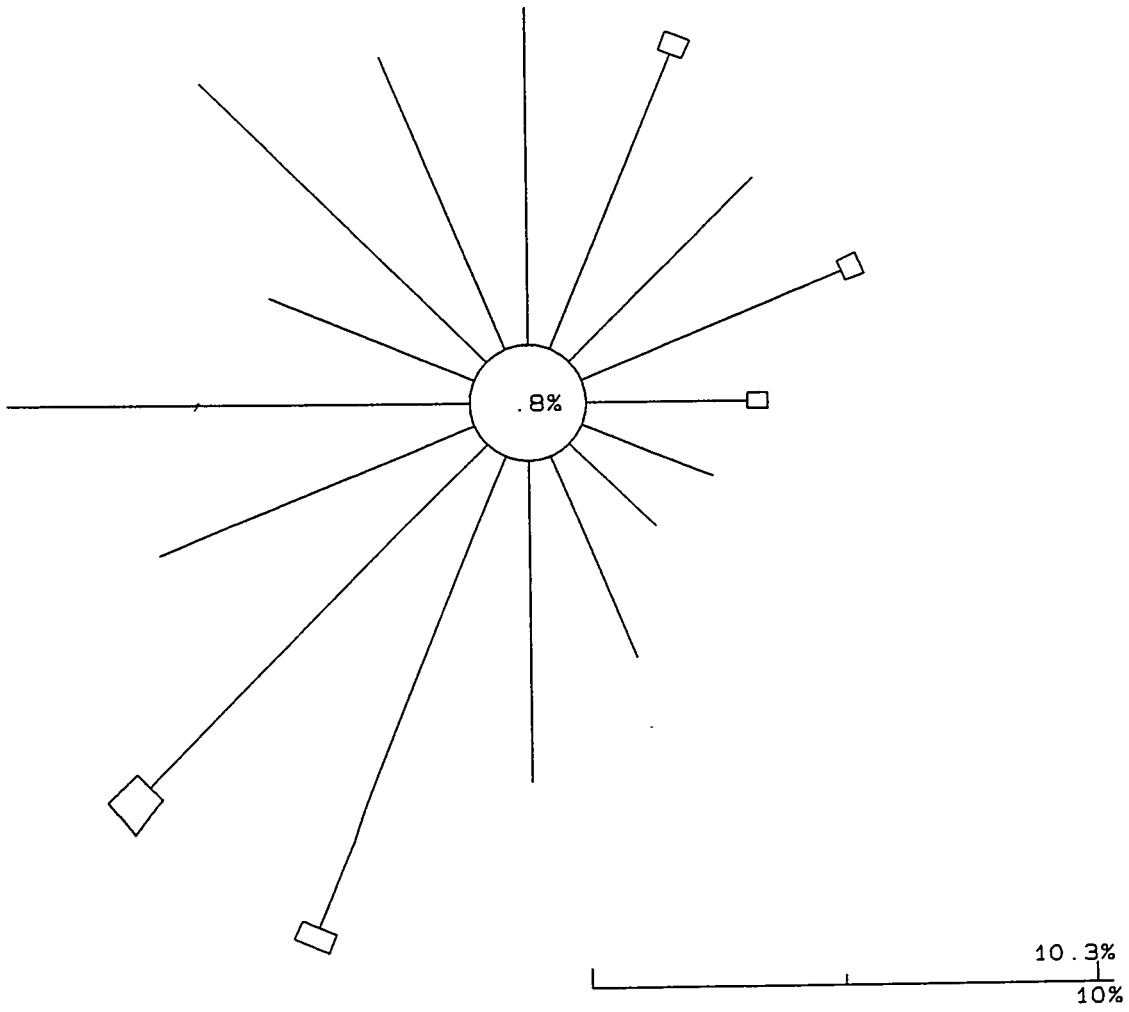



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



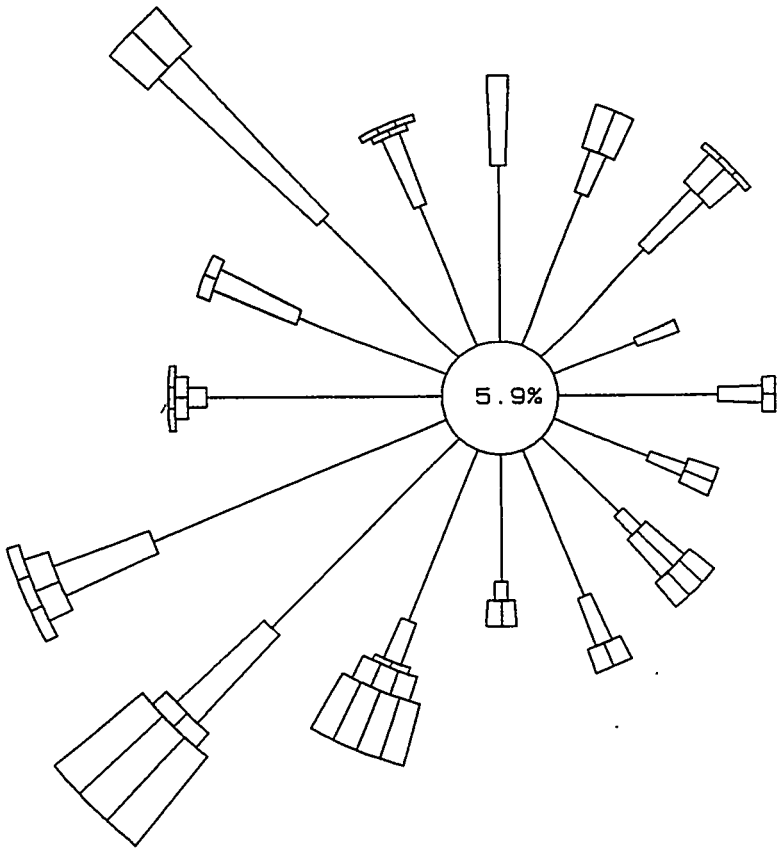

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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



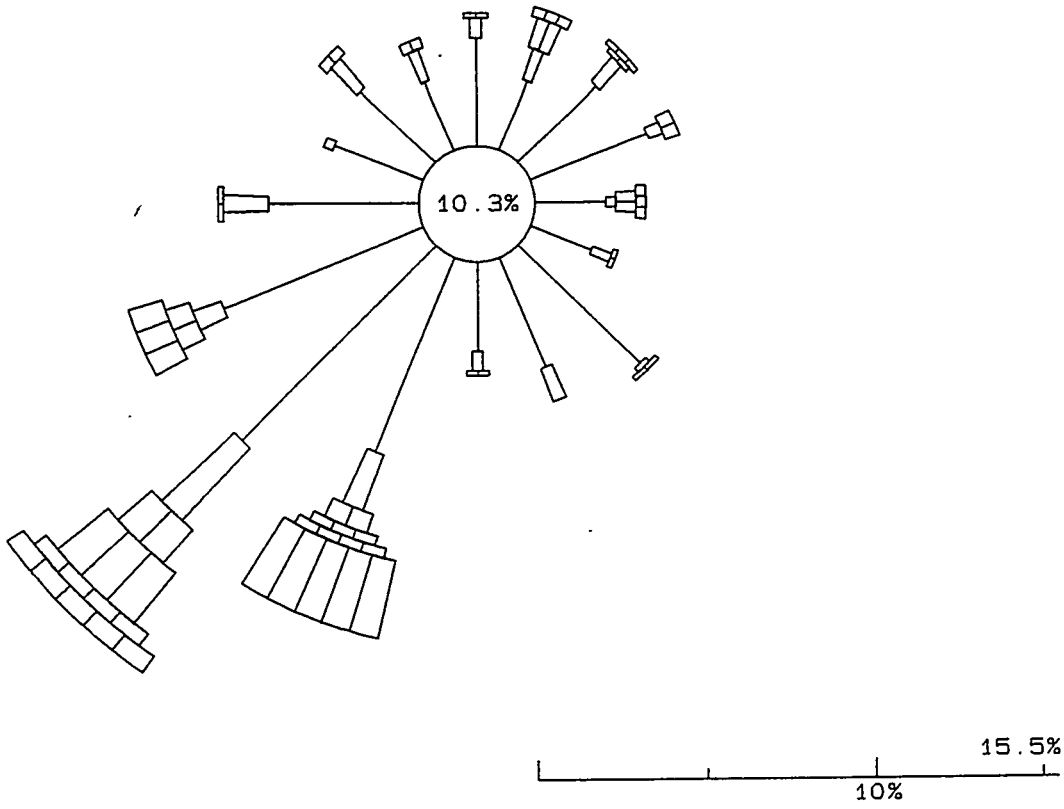

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 0 | 1.8< WS <= 3.3 |
| 3 | 0 | 3.3< WS <= 5.4 |
| 4 | 0 | 5.4< WS <= 8.5 |
| 5 | 0 | 8.5< WS <=10.8 |
| 6 | 0 | 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



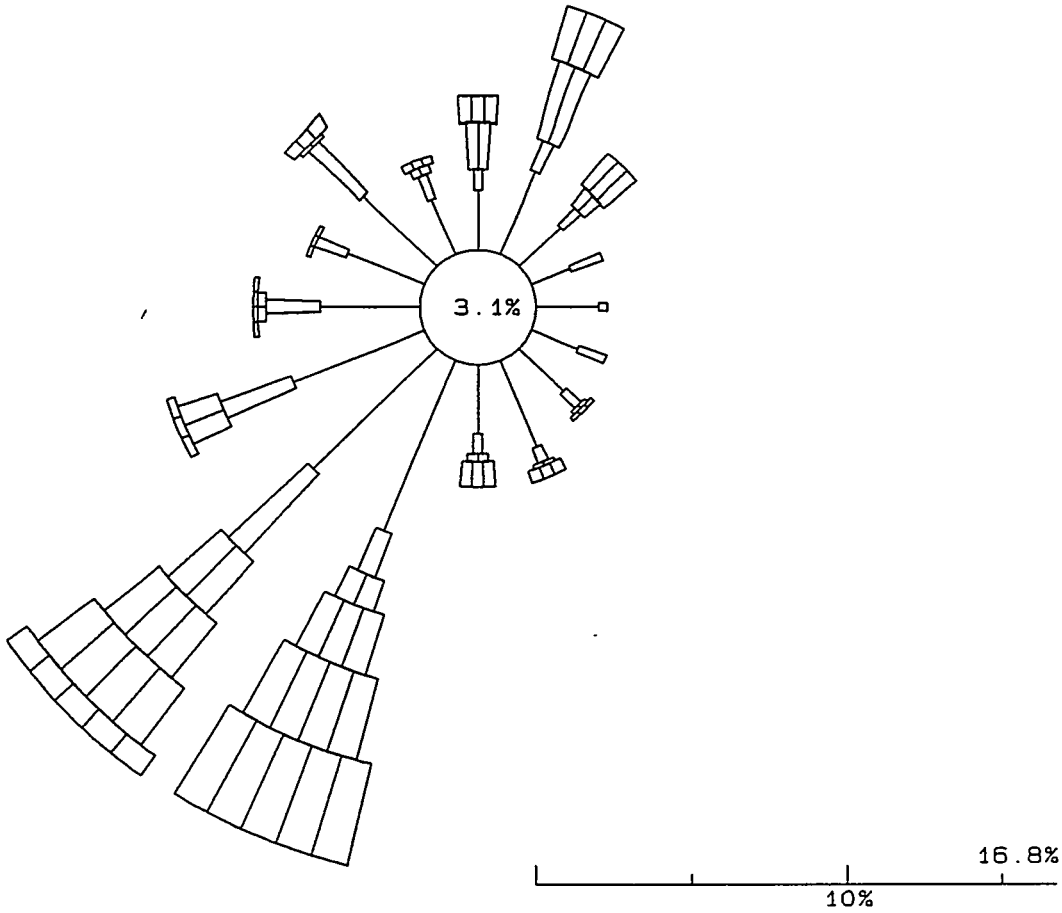

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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



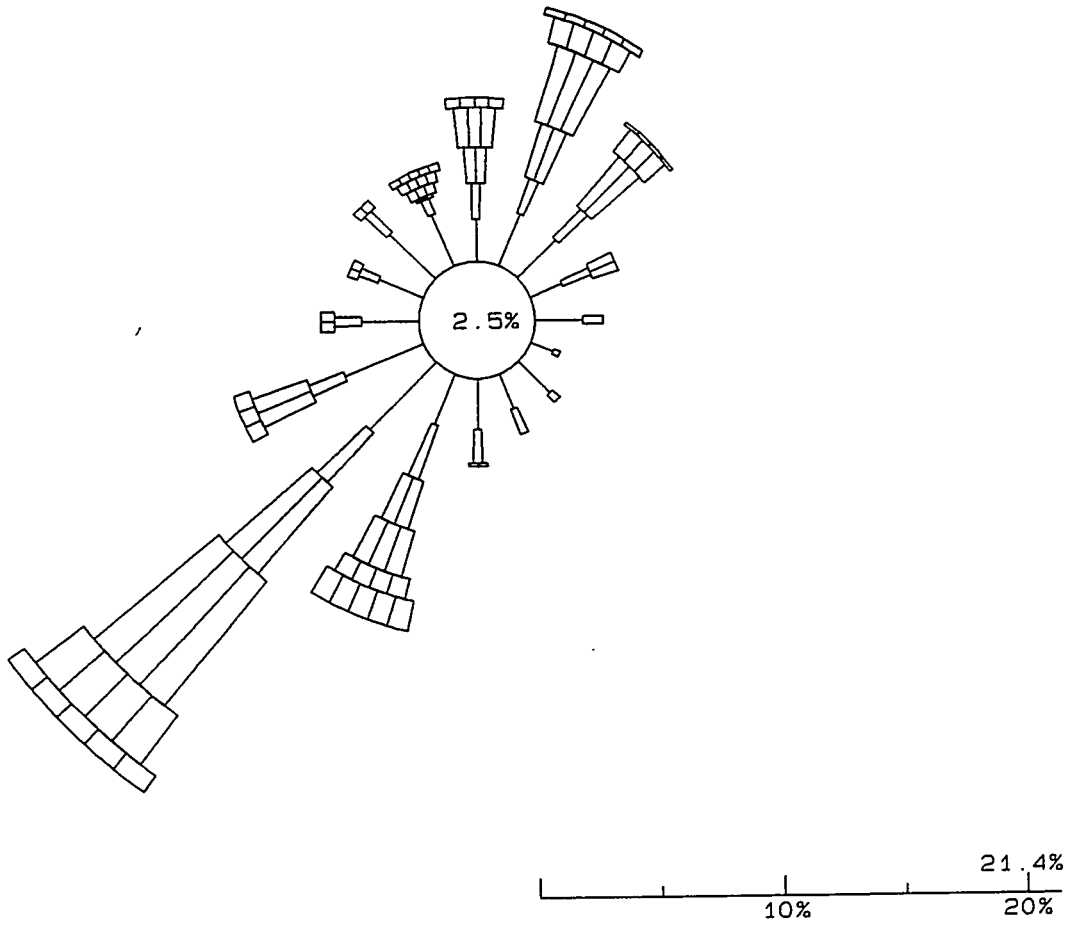

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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
4/ 1/1995 - 4/30/1995
0 - 2400




WIND SPEED CLASSES (MPS)

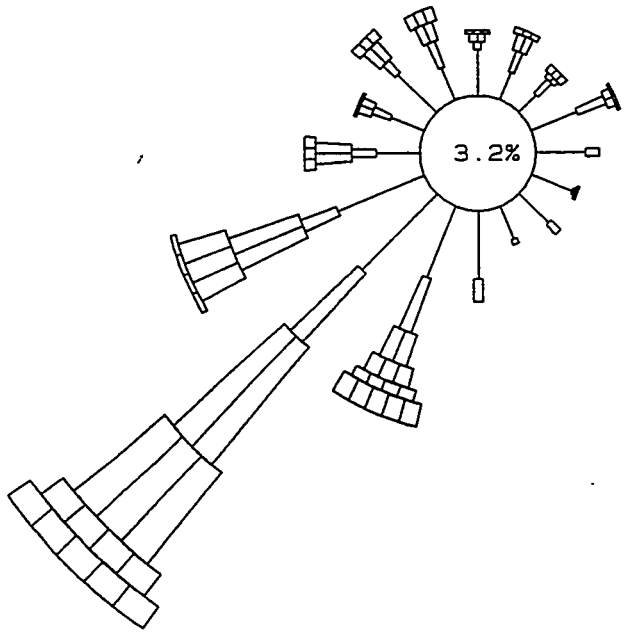
| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 0 | 1.8< WS <= 3.3 |
| 3 | 0 | 3.3< WS <= 5.4 |
| 4 | 0 | 5.4< WS <= 8.5 |
| 5 | 0 | 8.5< WS <=10.8 |
| 6 | 0 | 10.8< WS |

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




25.5%
10%
20%

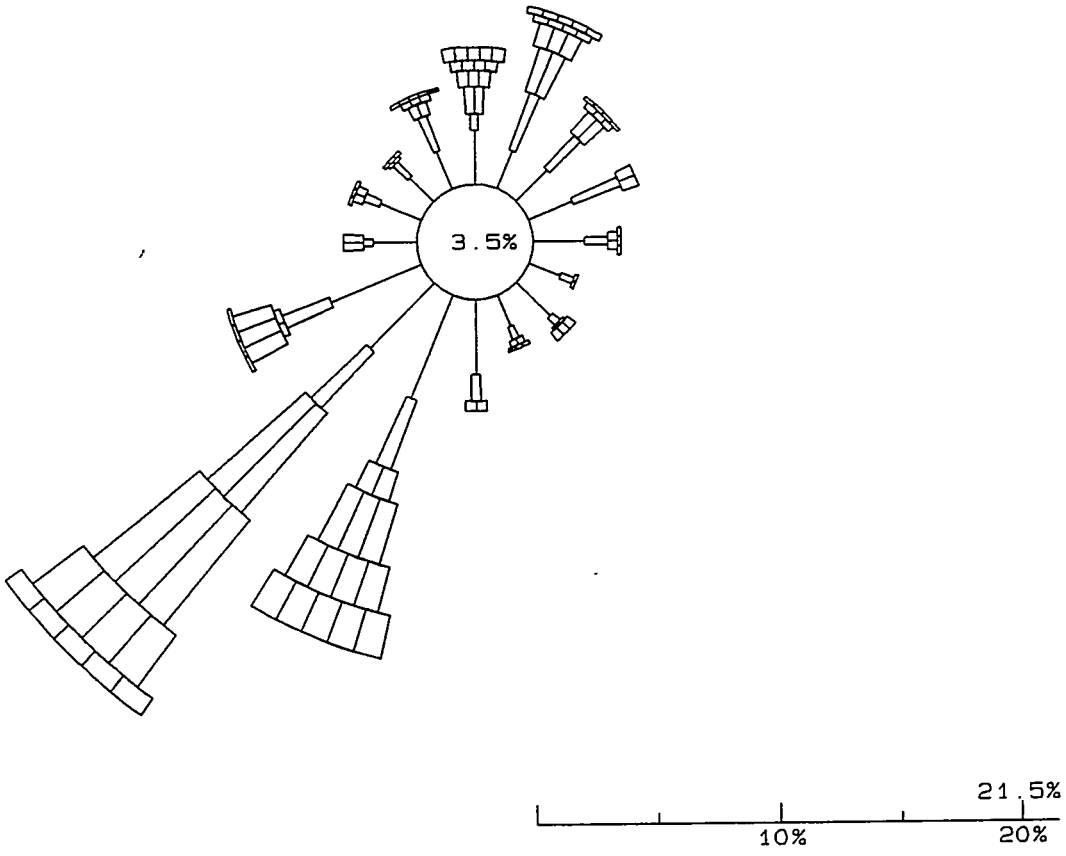
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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

8 METER HEIGHT - Total Hours
6/ 1/1995 - 6/30/1995
0 - 2400




WIND SPEED CLASSES (MPS)

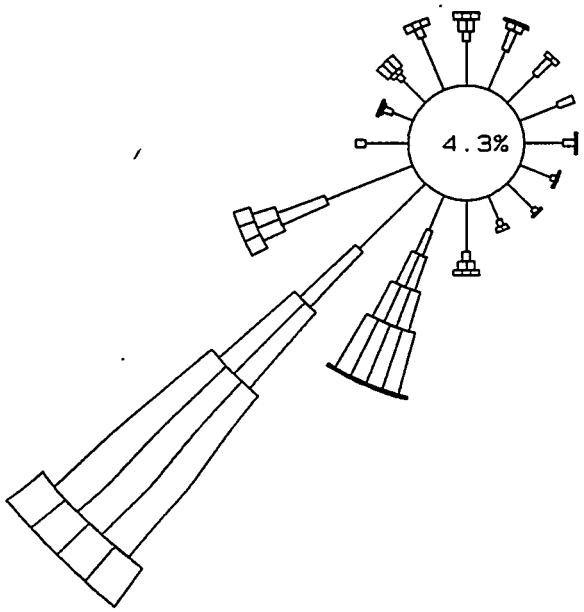
| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 0 | 1.8< WS <= 3.3 |
| 3 | 0 | 3.3< WS <= 5.4 |
| 4 | 0 | 5.4< WS <= 8.5 |
| 5 | 0 | 8.5< WS <=10.8 |
| 6 | 0 | 10.8< WS |

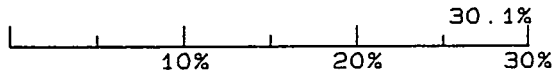
100.0% DATA RECOVERED
OF WHICH 100.0% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Total Hours
7/ 1/1995 - 7/31/1995
0 - 2400

N




WIND SPEED CLASSES (MPS)

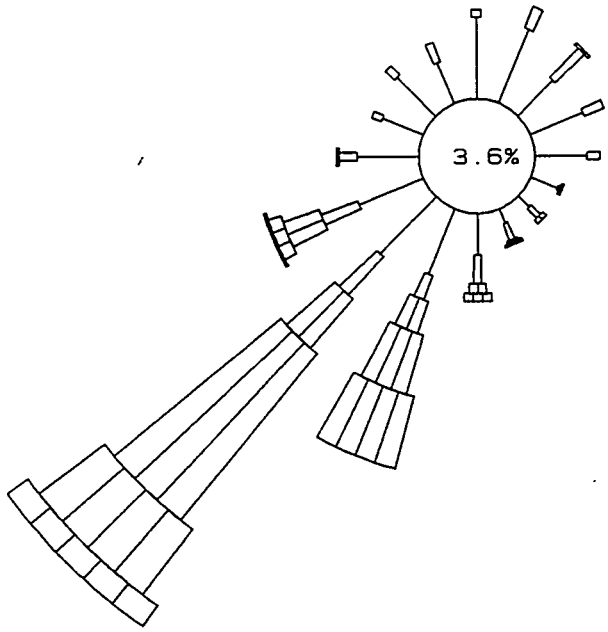
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

96.9% DATA RECOVERED
OF WHICH 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




27.3%
10%
20%

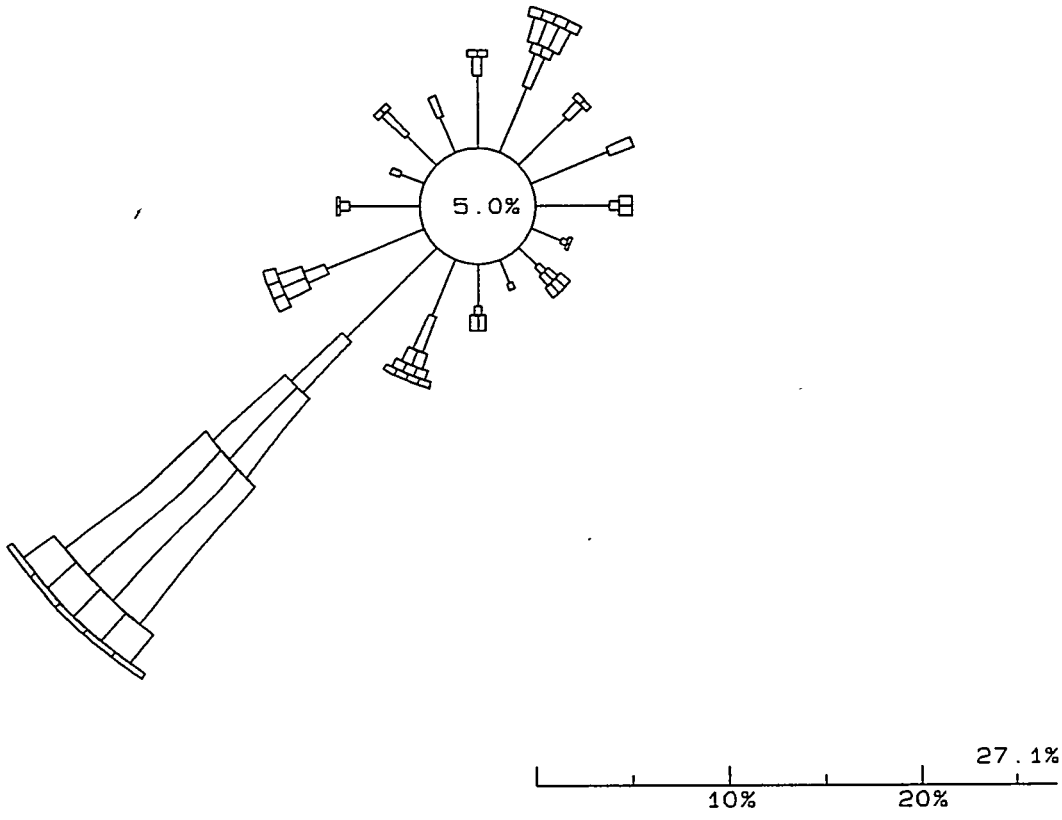
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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



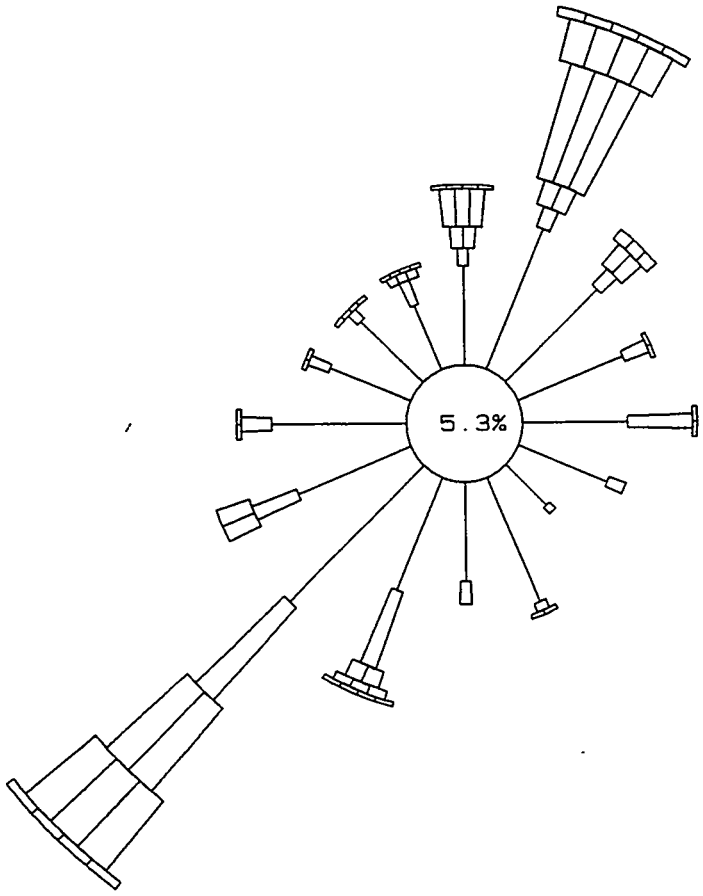

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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




WIND SPEED CLASSES (MPS)

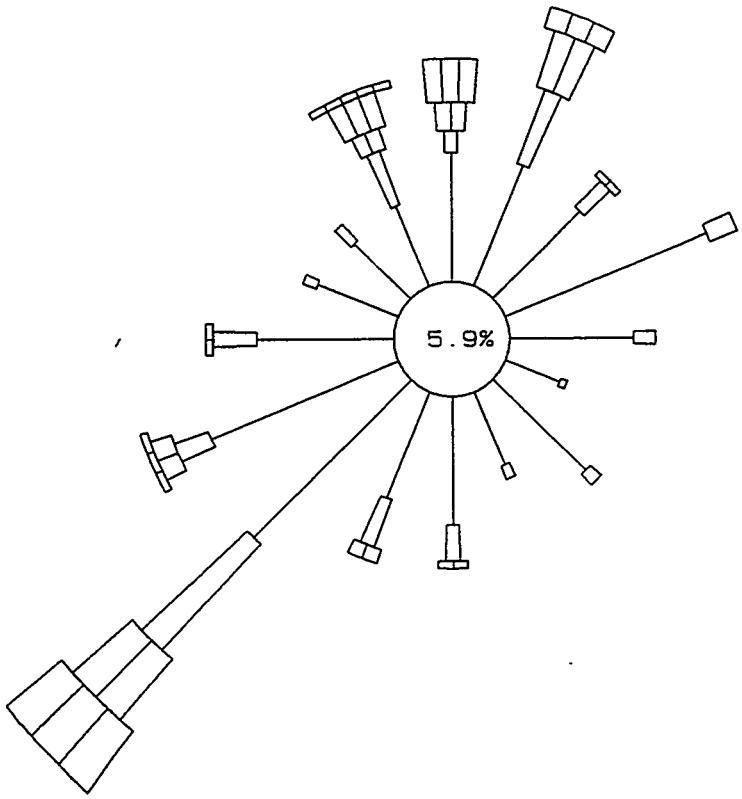
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

96.8% 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




15.7%
10%

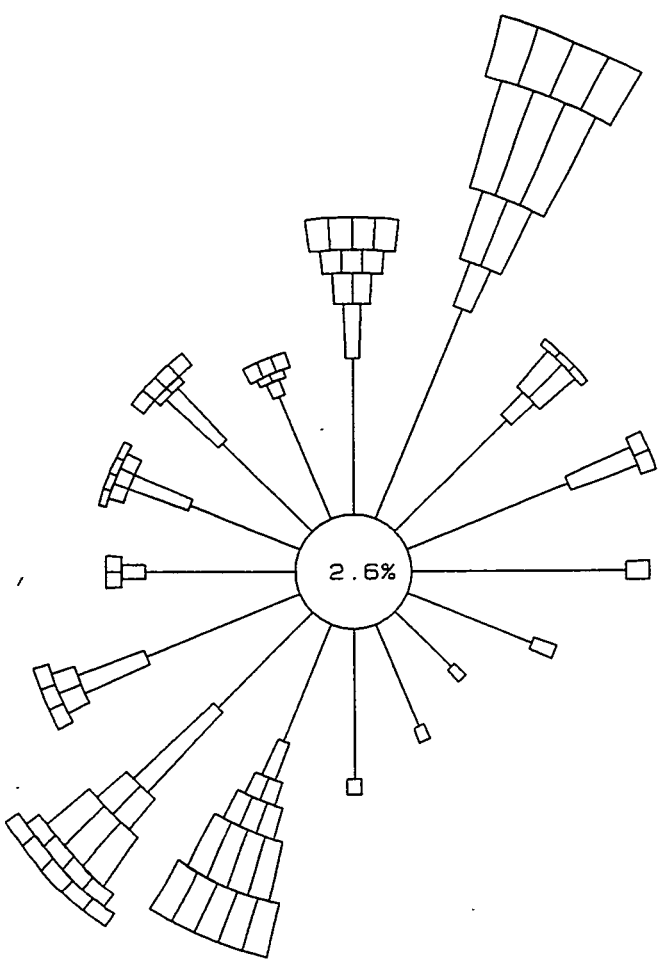
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

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



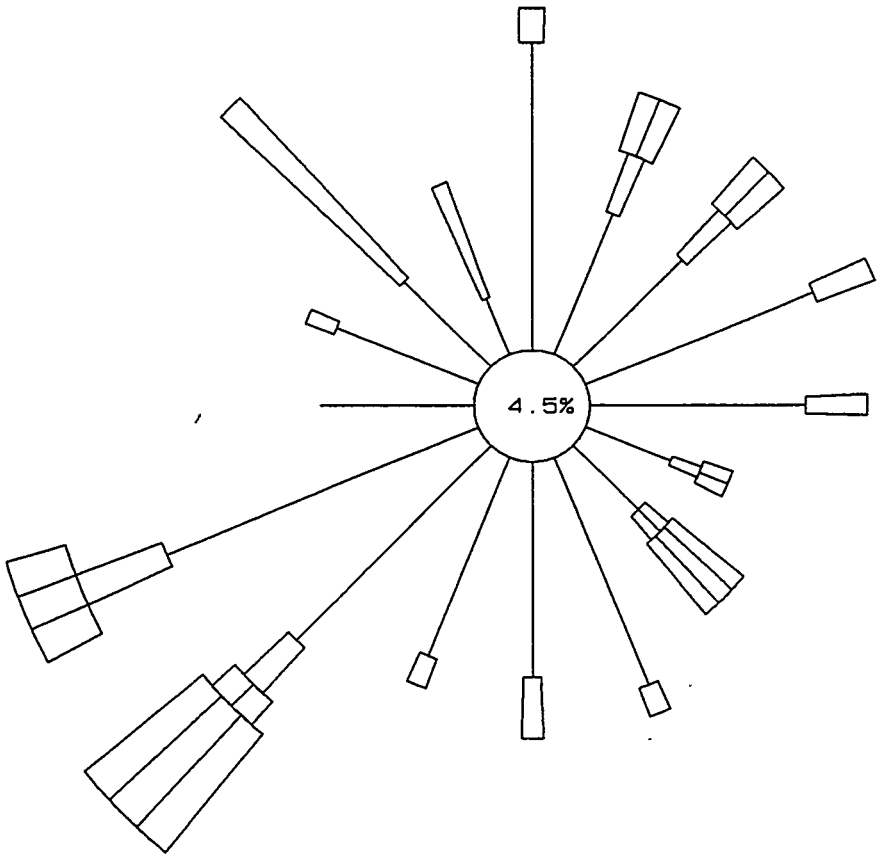

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 2 | 1.8< WS <= 3.3 |
| 3 | 3 | 3.3< WS <= 5 4 |
| 4 | 4 | 5.4< WS <= 8.5 |
| 5 | 5 | 8 5< WS <=10.8 |
| 6 | 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



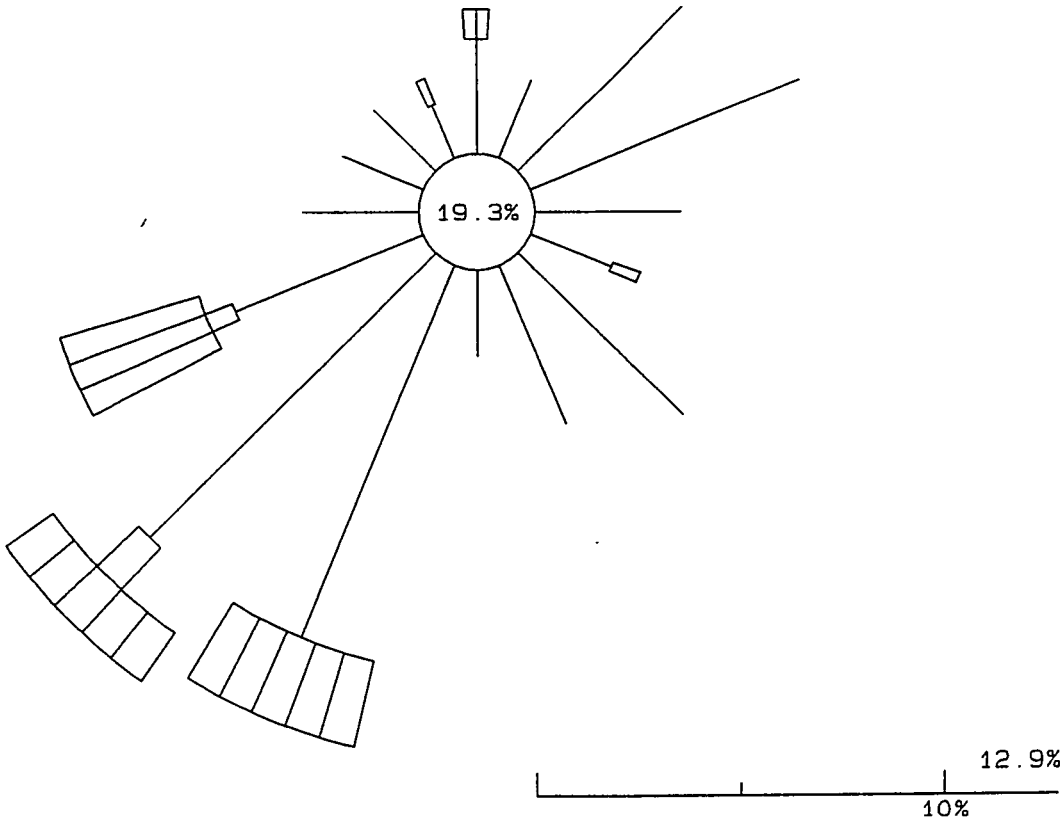

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition
2/ 1/1995 - 2/28/1995
600 - 1000



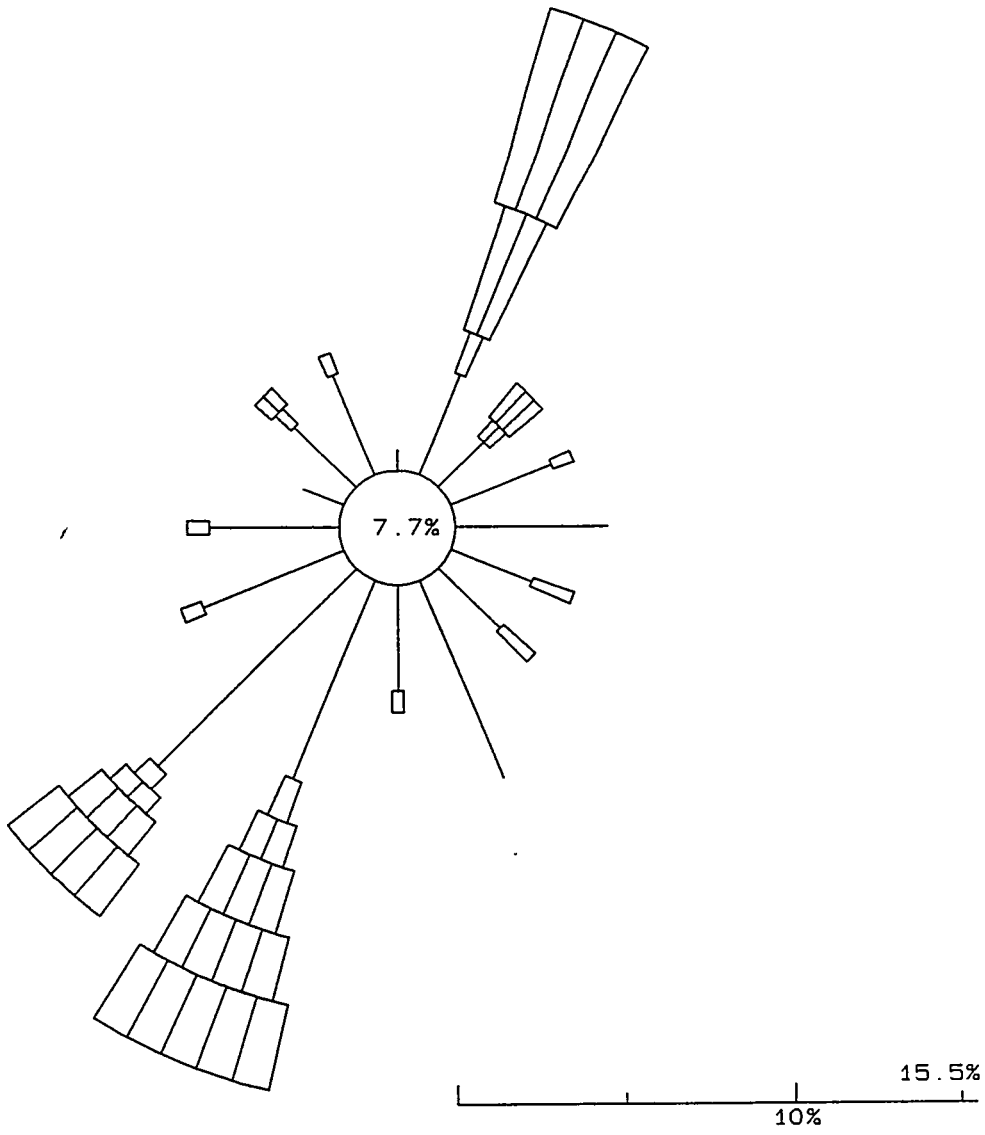

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition
3/ 1/1995 - 3/31/1995
600 - 1000



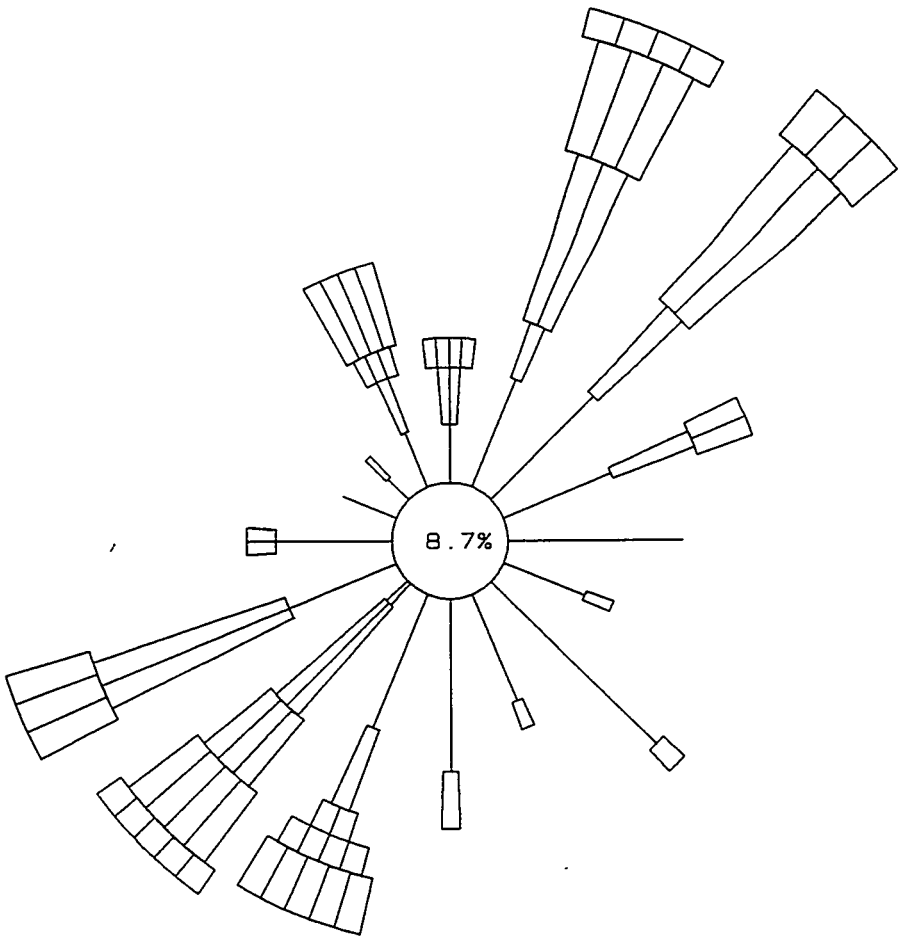

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition
4/ 1/1995 - 4/30/1995
600 - 1000



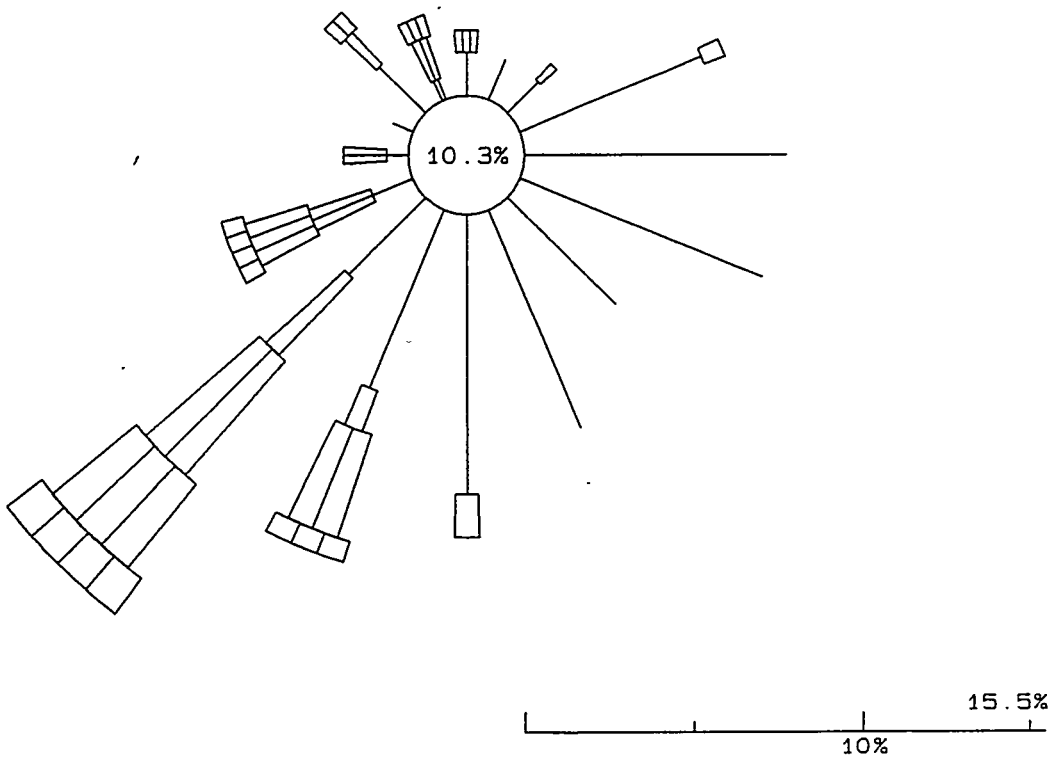

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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



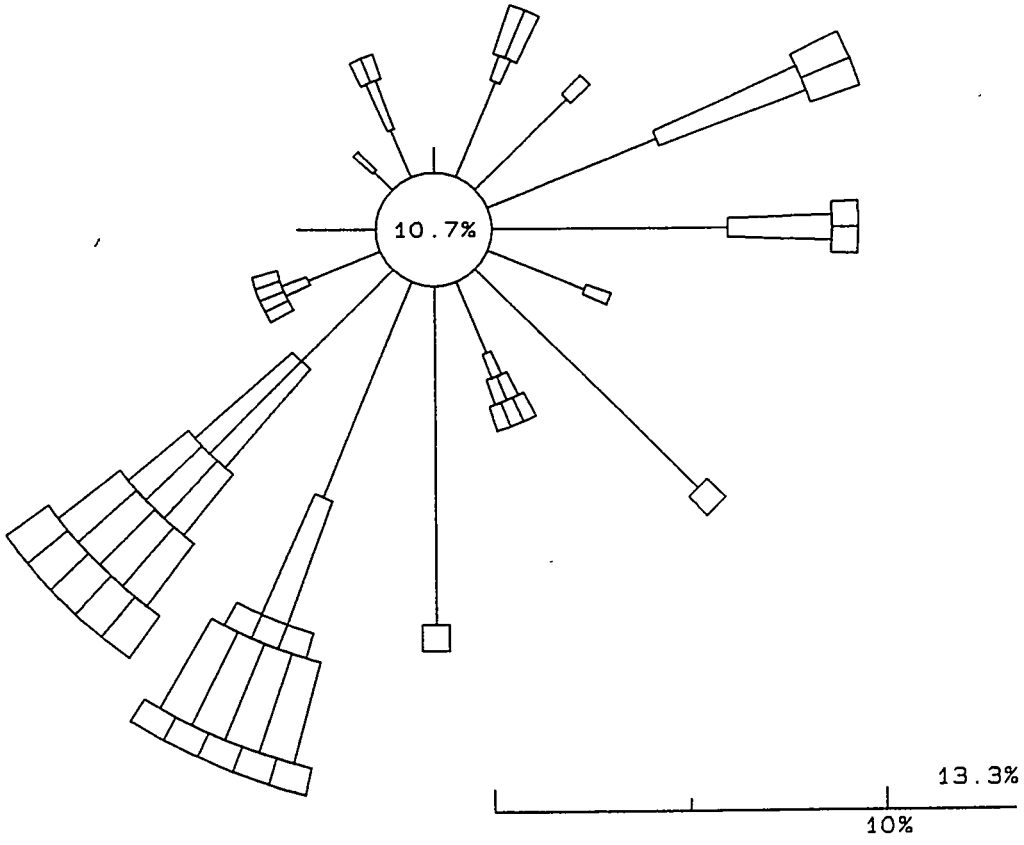

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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



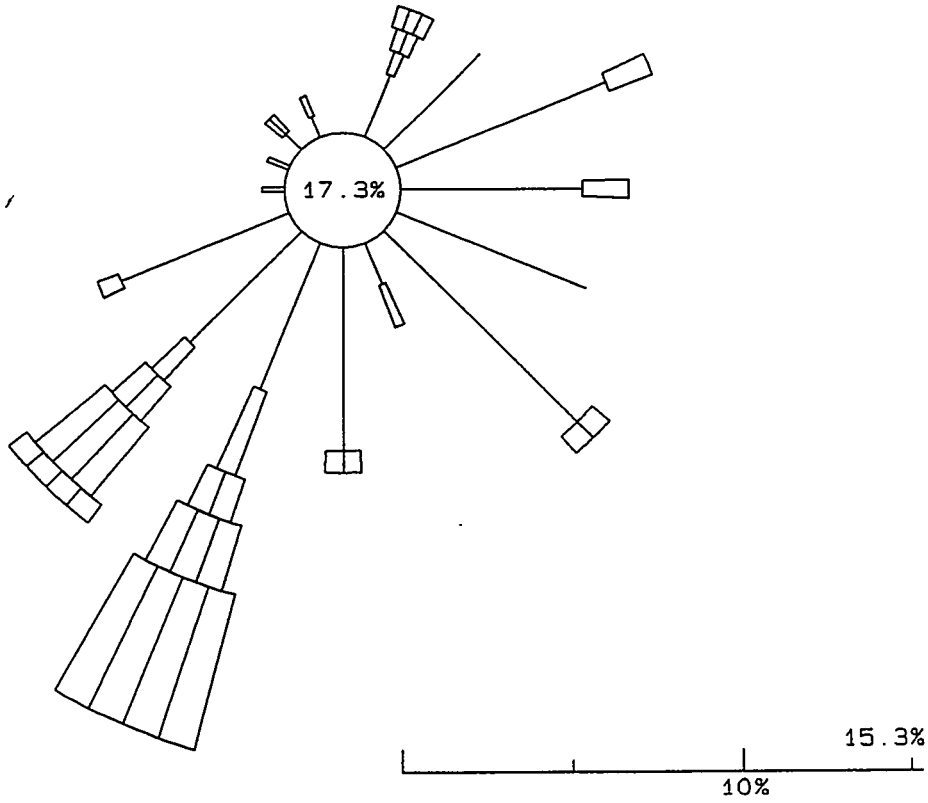

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition
7/ 1/1995 - 7/31/1995
600 - 1000



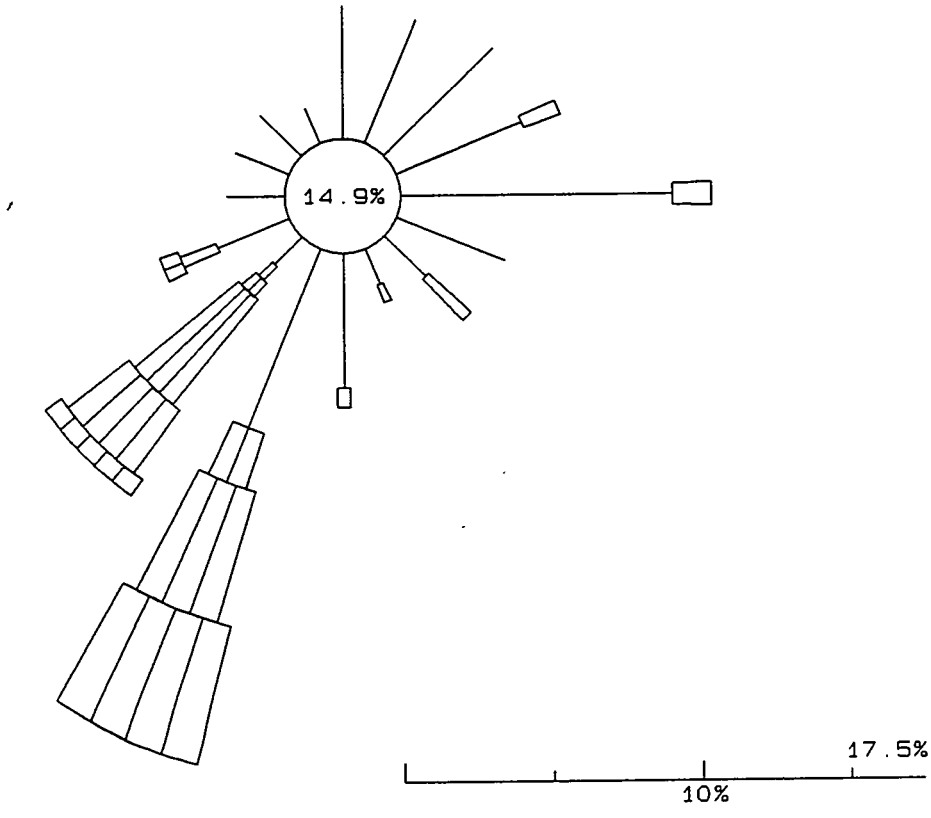

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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



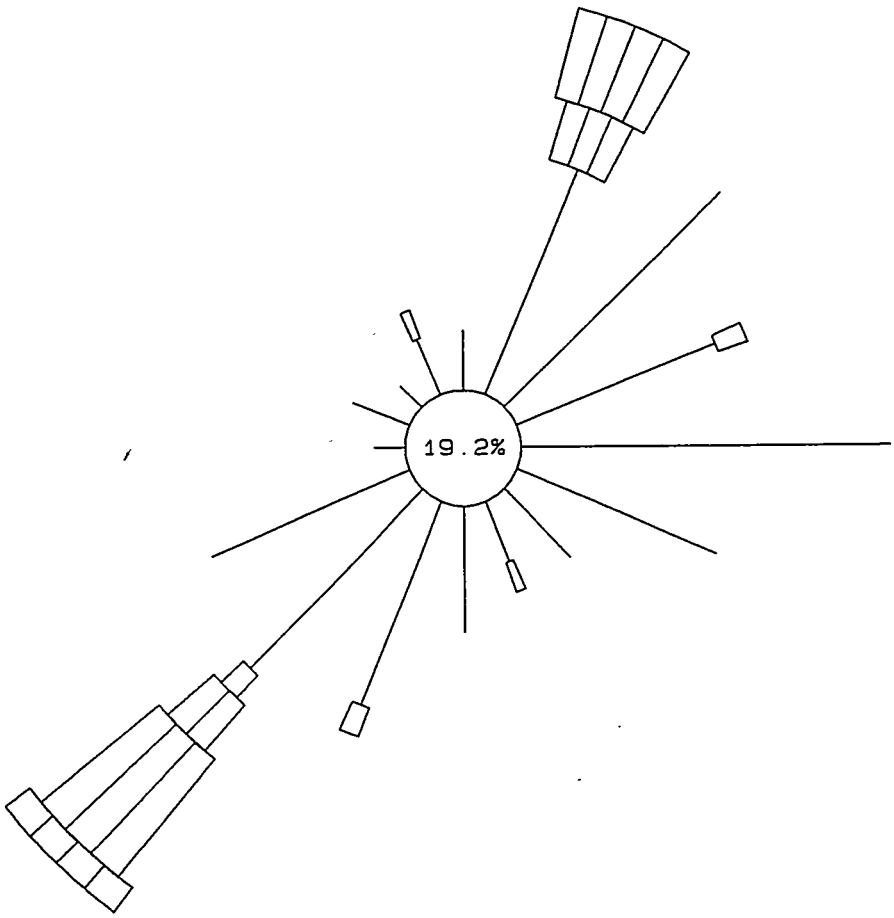

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition
9/ 1/1995 - 9/30/1995
600 - 1000



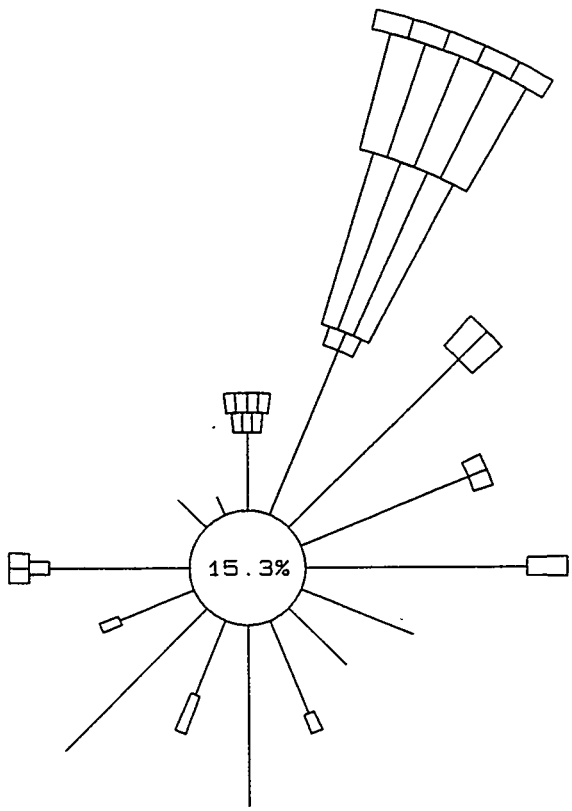

WIND SPEED CLASSES (MPS)

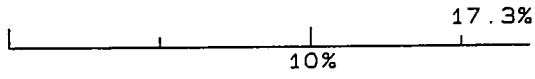
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

83.5% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition
10/ 1/1995 - 10/31/1995
600 - 1000



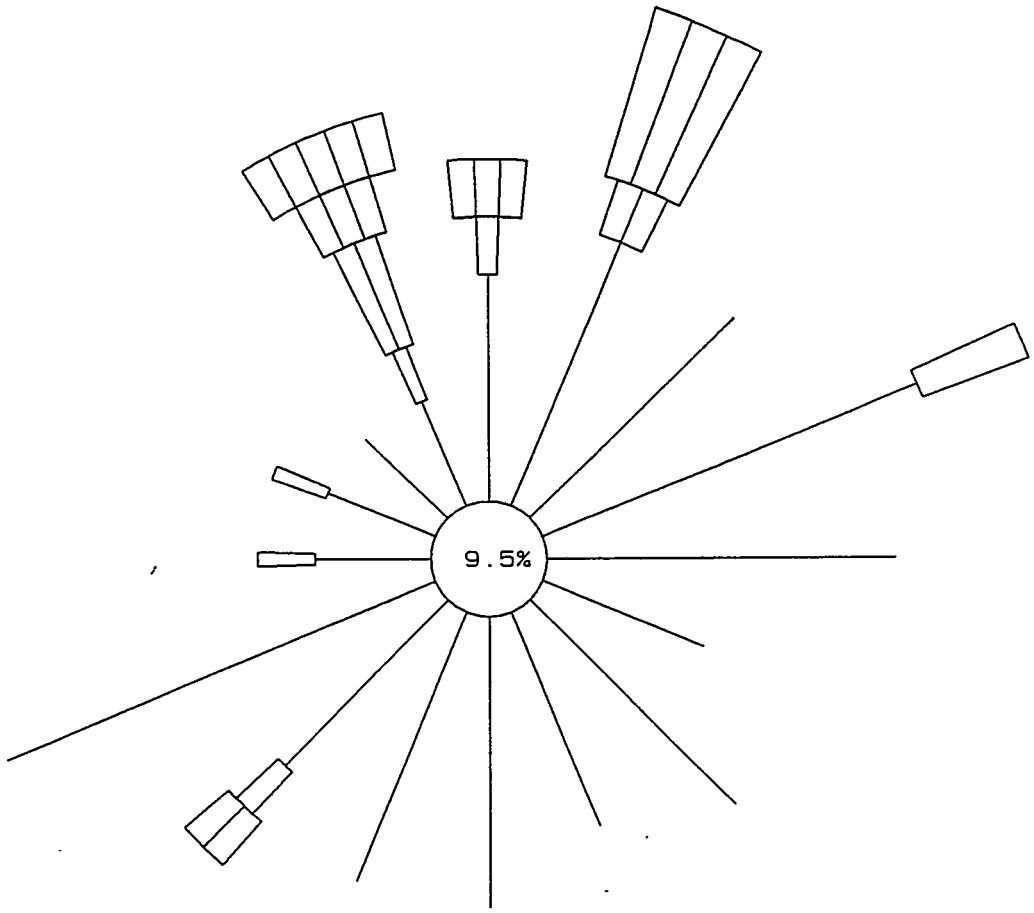

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

96.8% 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



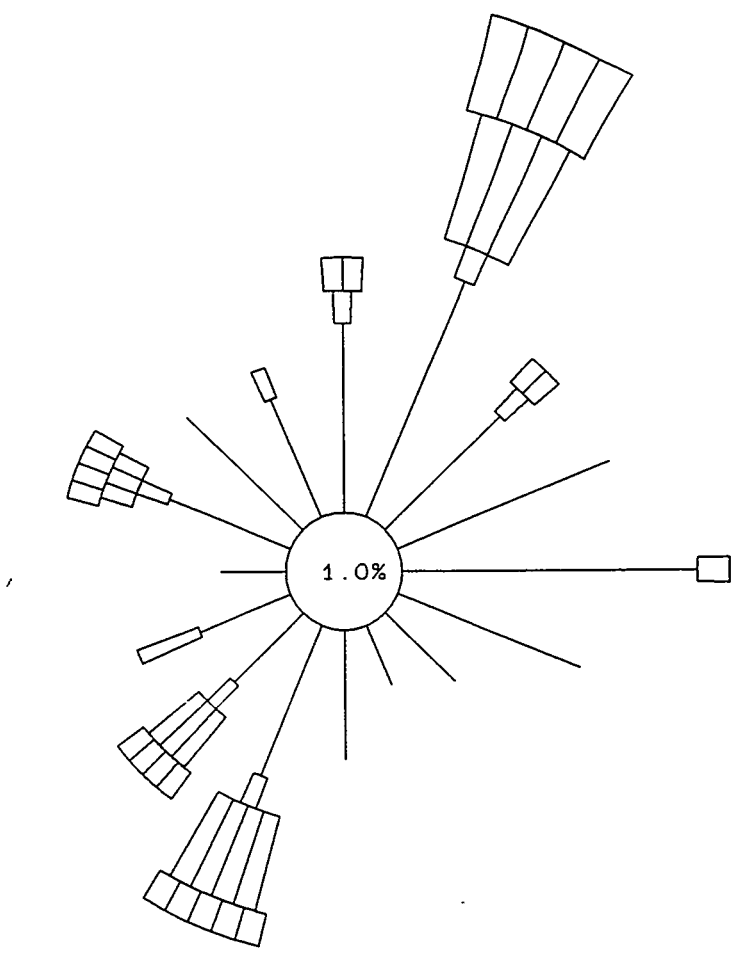

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.7% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Morning Transition
12/ 1/1995 - 12/31/1995
600 - 1000



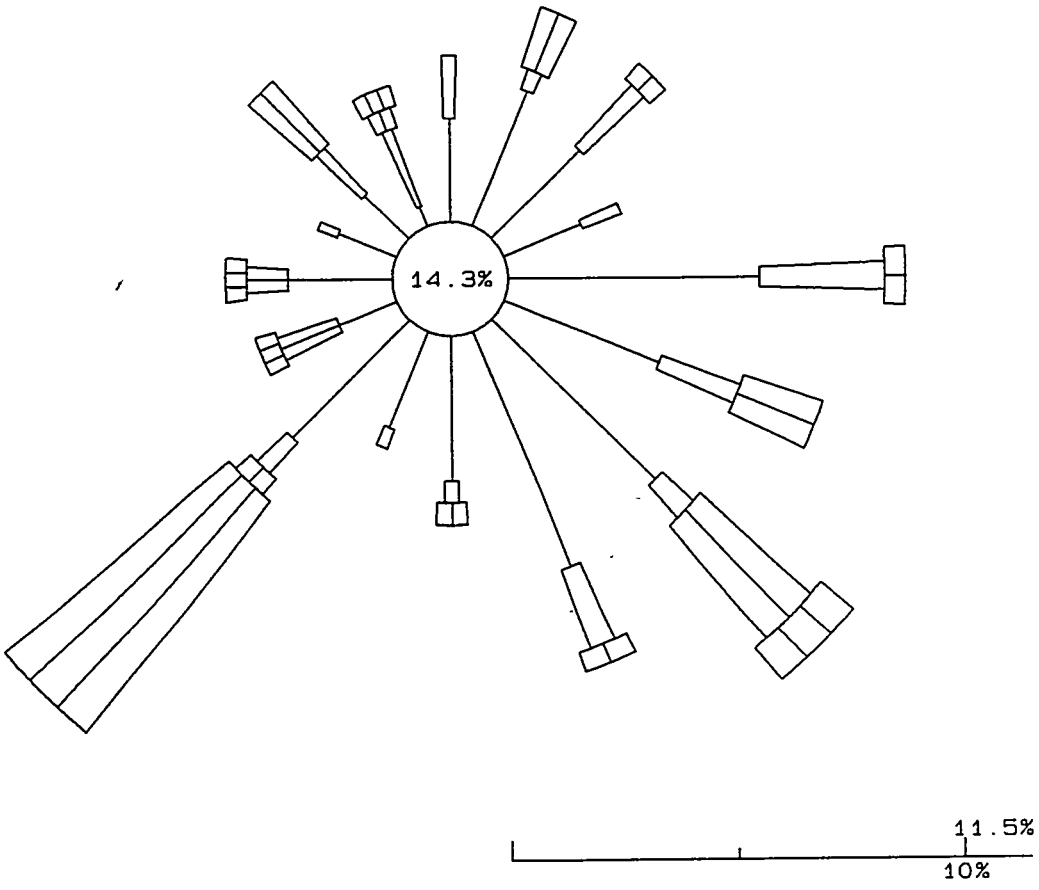

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 - Late Mid-Day
1/ 1/1995 - 1/31/1995
1000 - 1600



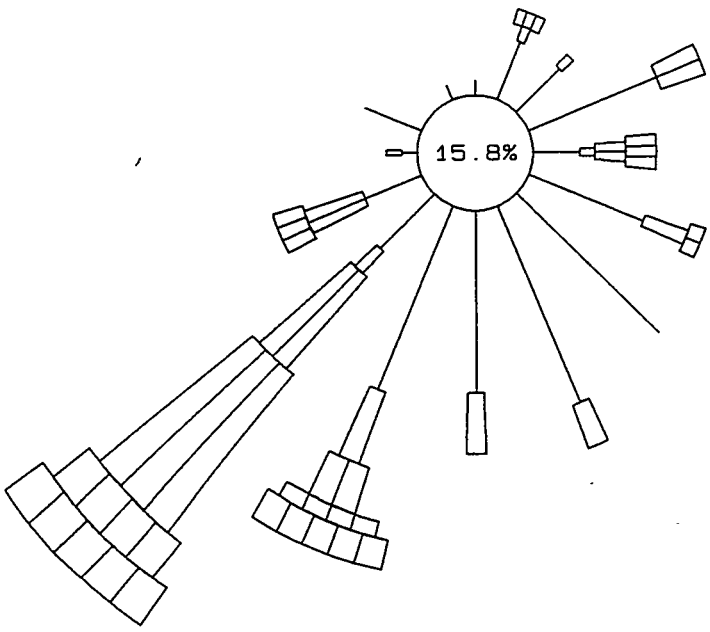

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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

8 METER HEIGHT - Late Mid-Day
2/ 1/1995 - 2/28/1995
1000 - 1600



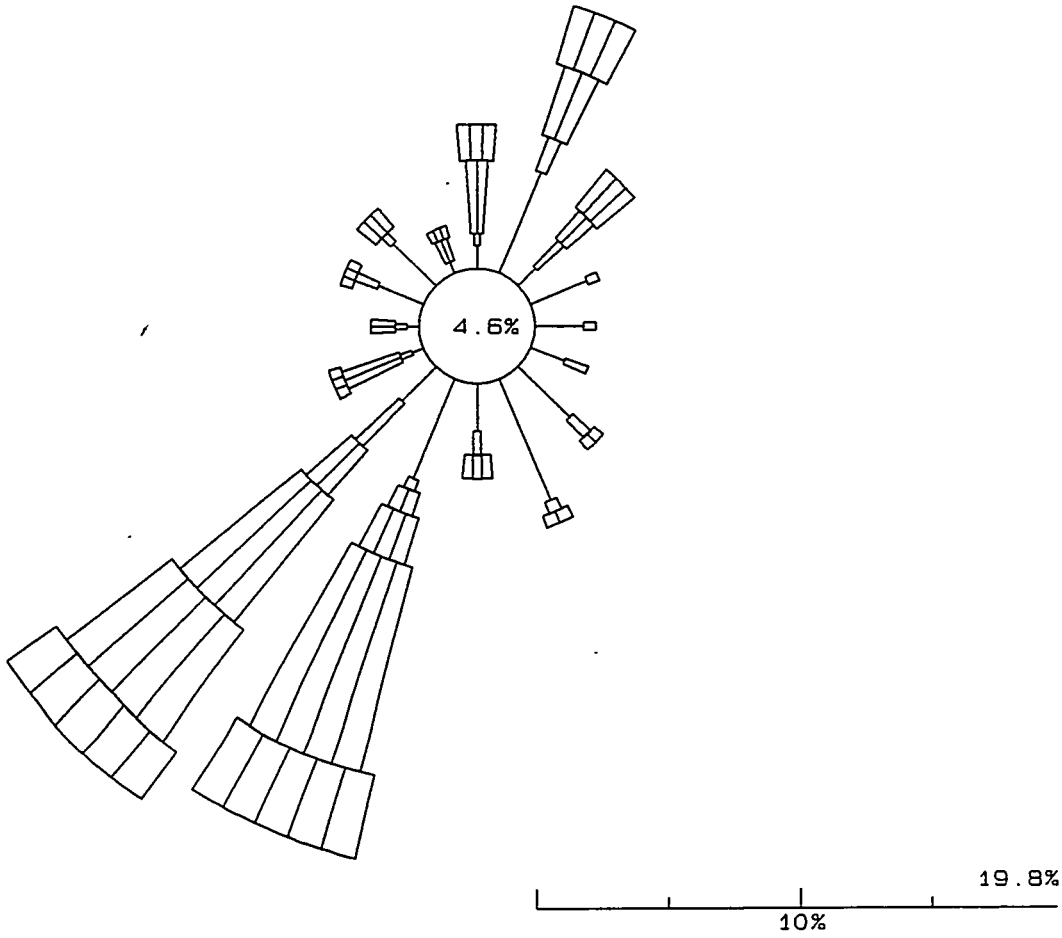

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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

8 METER HEIGHT - Late Mid-Day
3/ 1/1995 - 3/31/1995
1000 - 1600



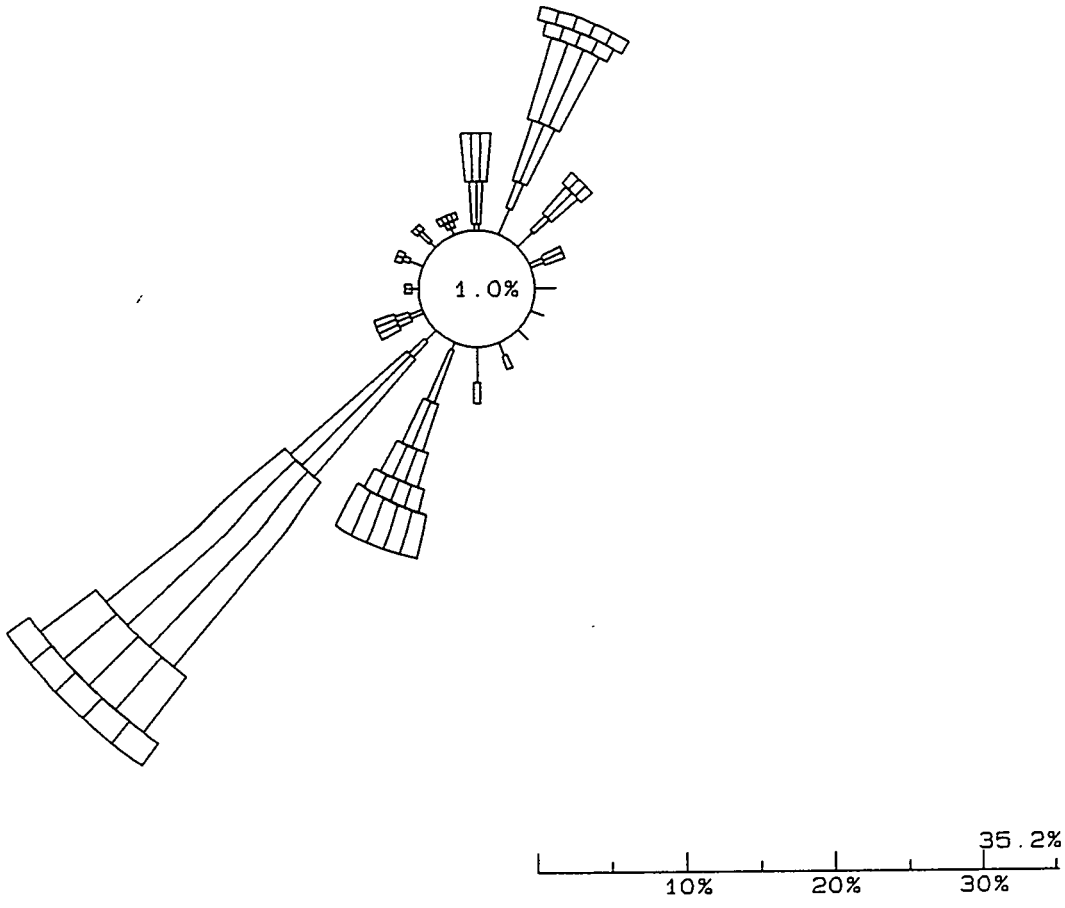

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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
4/ 1/1995 - 4/30/1995
1000 - 1600



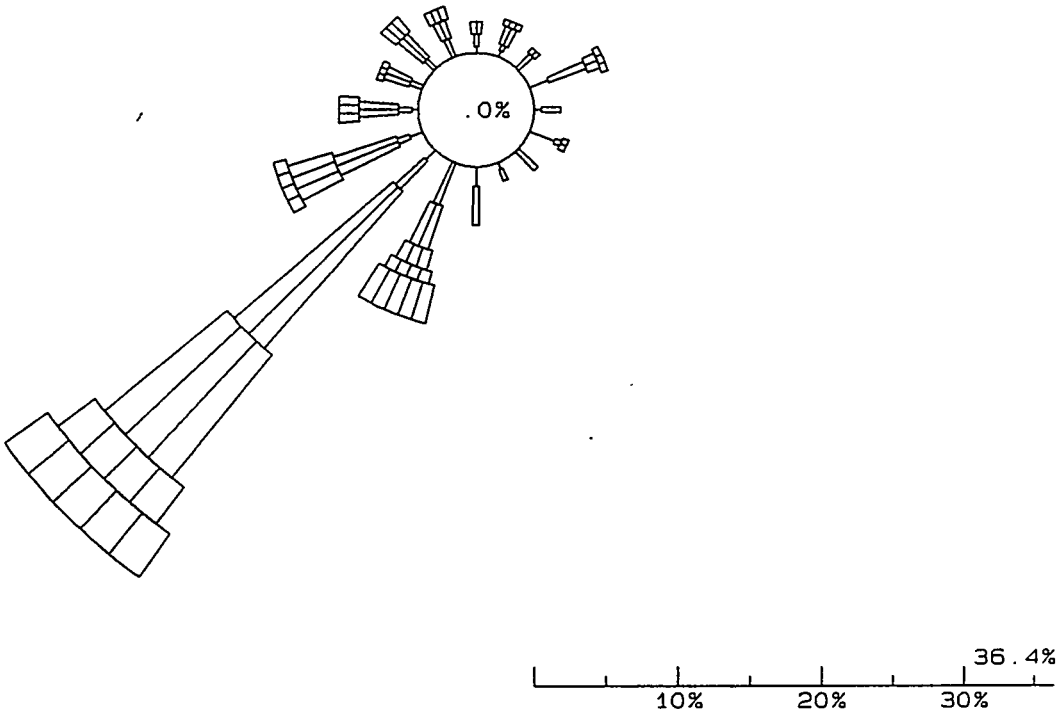

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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

8 METER HEIGHT - Late Mid-Day
5/ 1/1995 - 5/31/1995
1000 - 1600



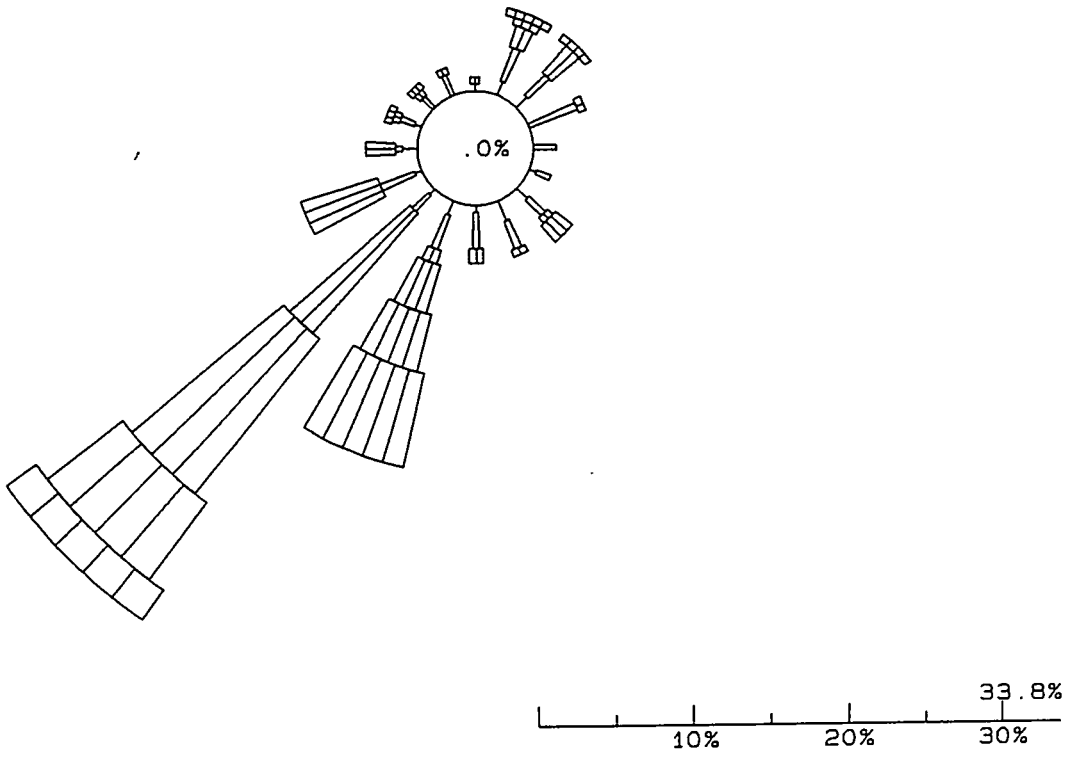

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day
6/ 1/1995 - 6/30/1995
1000 - 1600



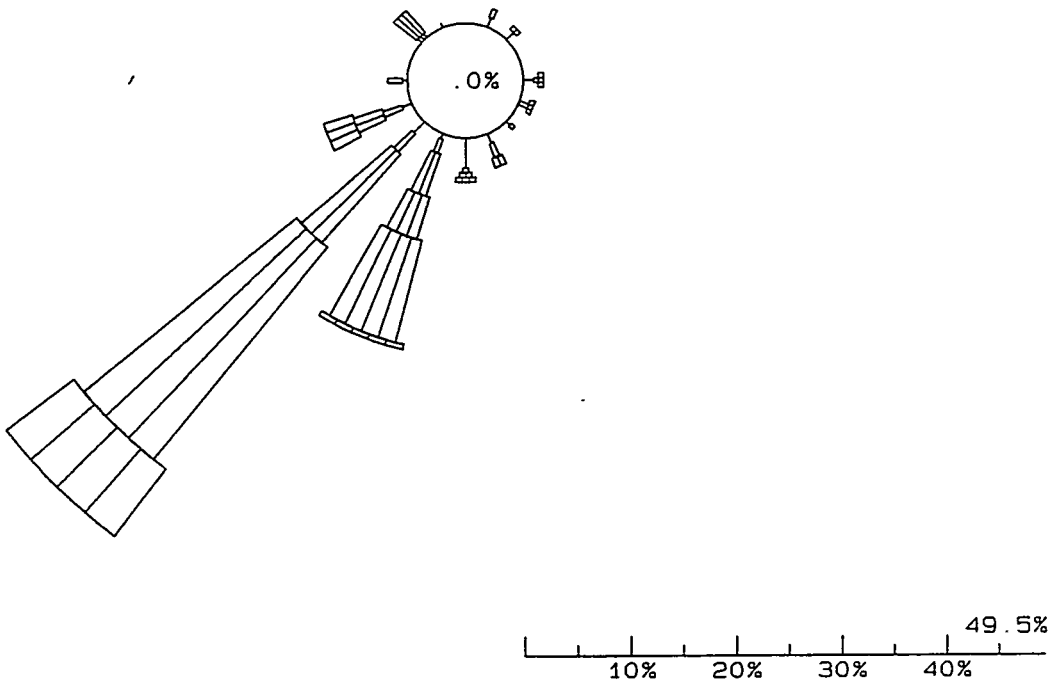

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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

8 METER HEIGHT - Late Mid-Day
7/ 1/1995 - 7/31/1995
1000 - 1600



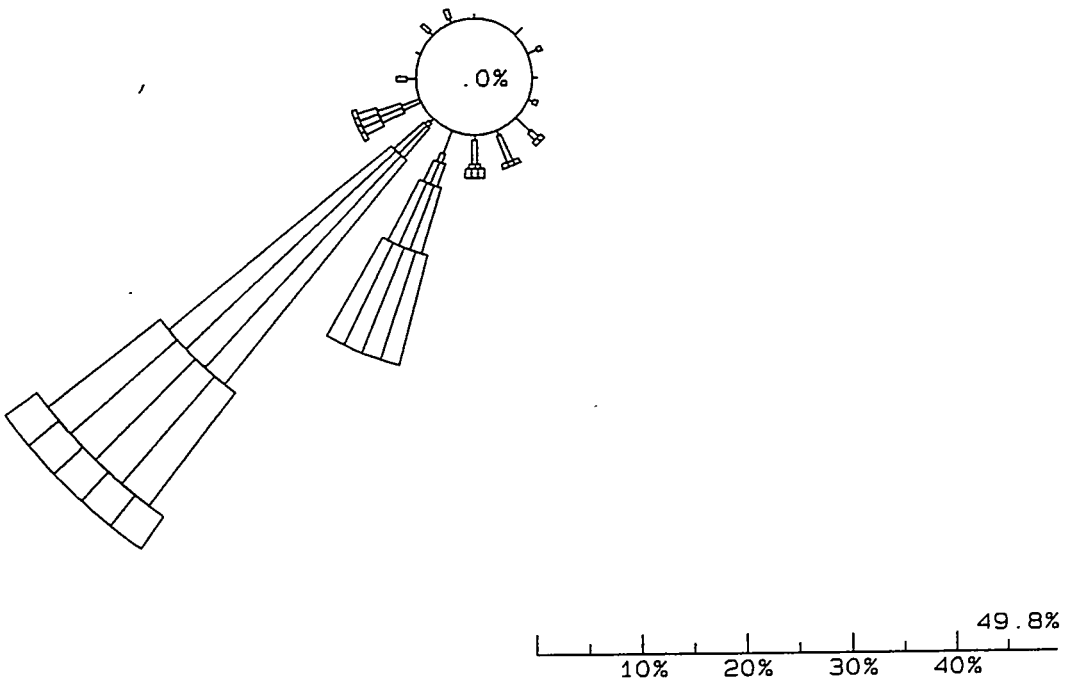

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 29.1% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

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




WIND SPEED CLASSES (MPS)

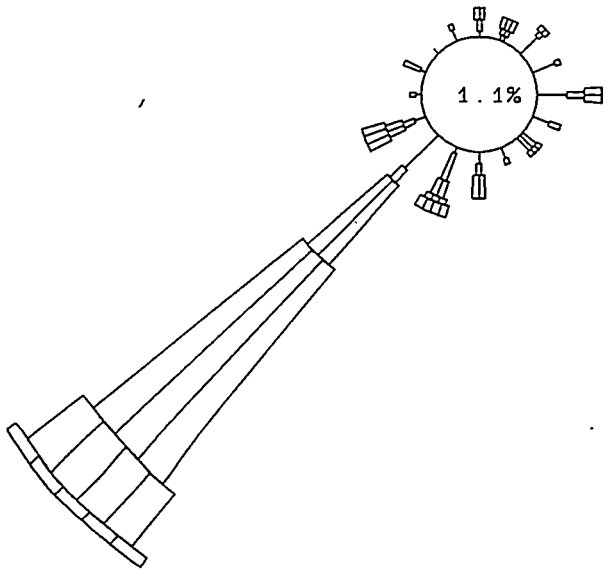
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

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




50.9%

10% 20% 30% 40% 50%

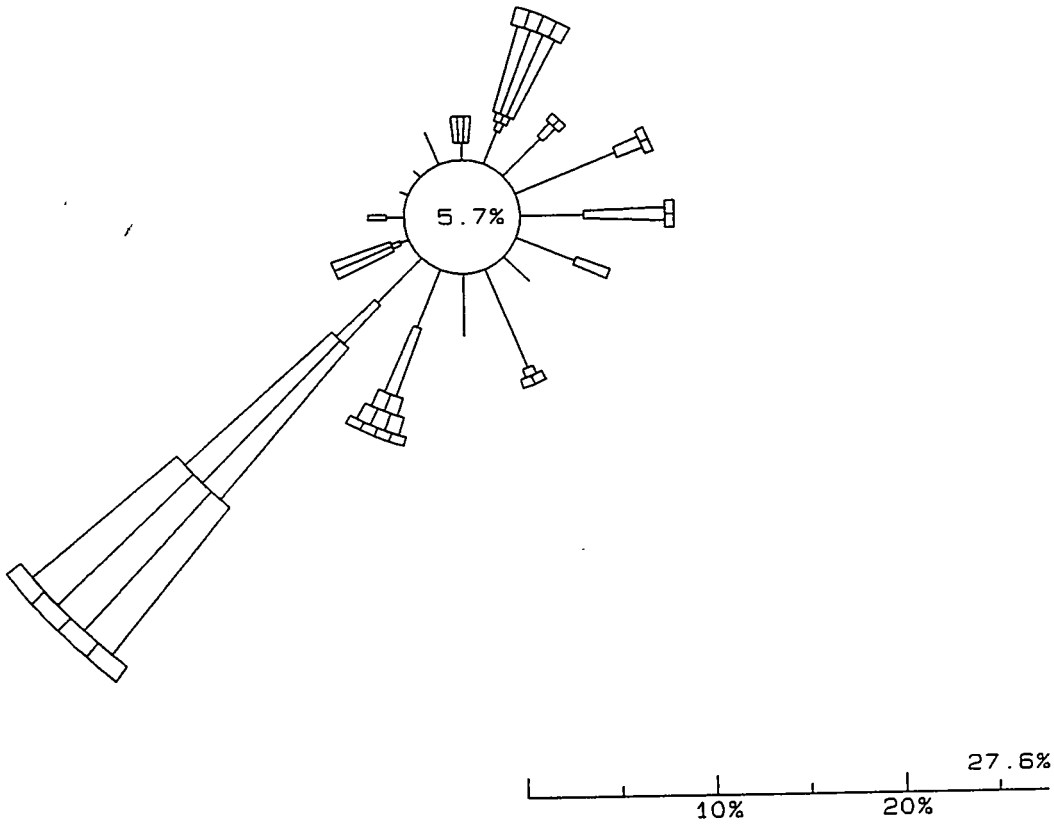
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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



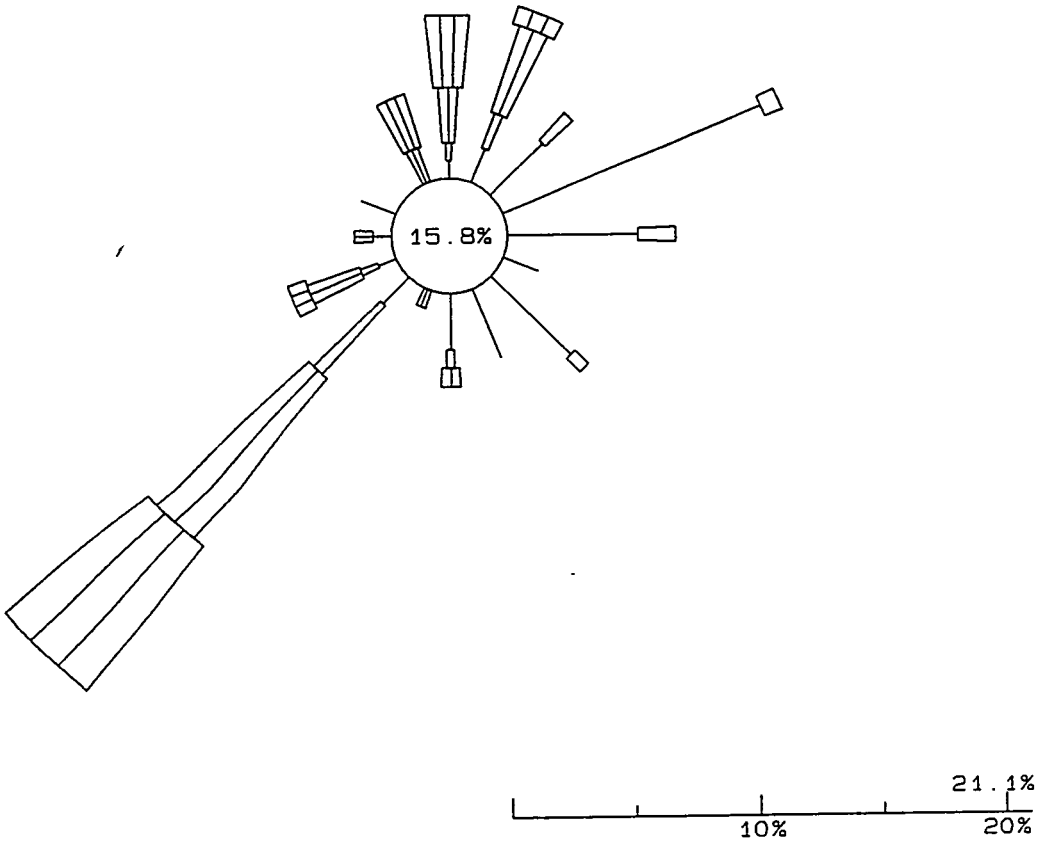

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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



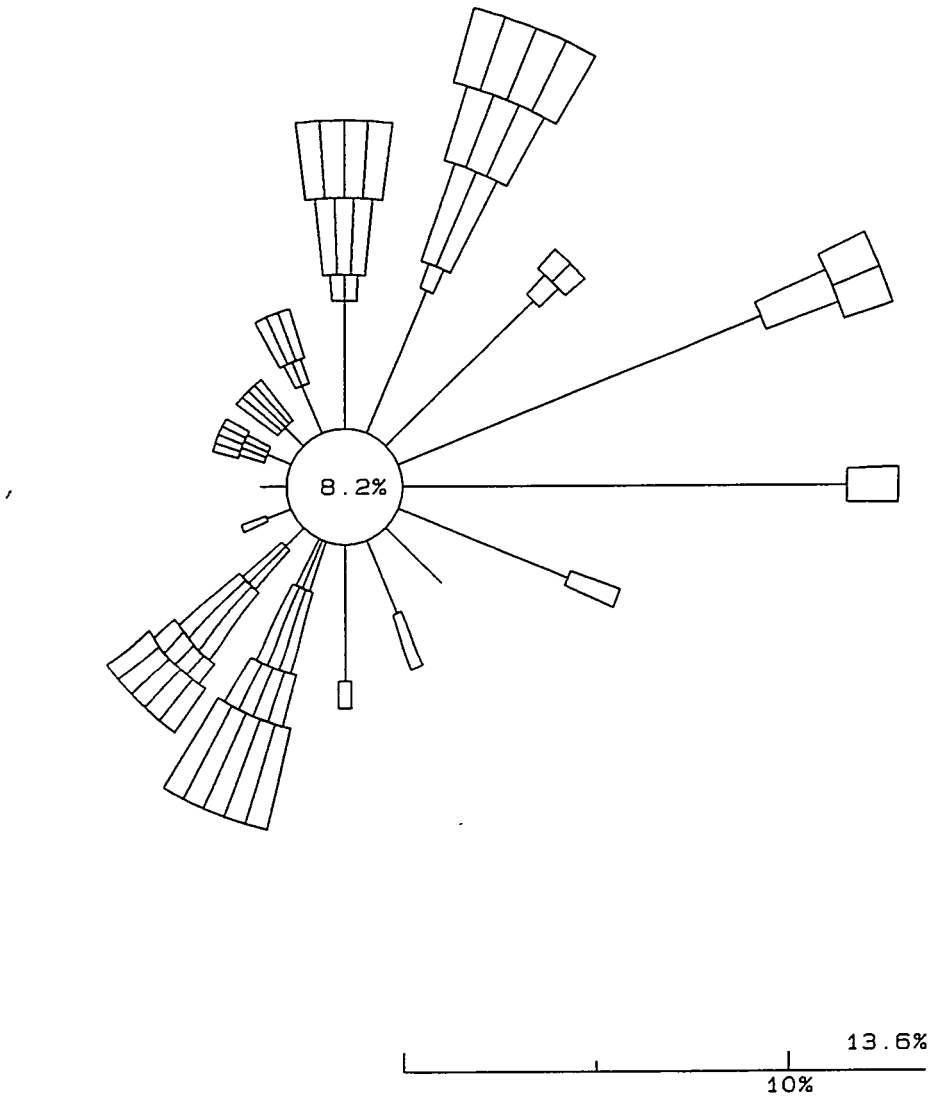

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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

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



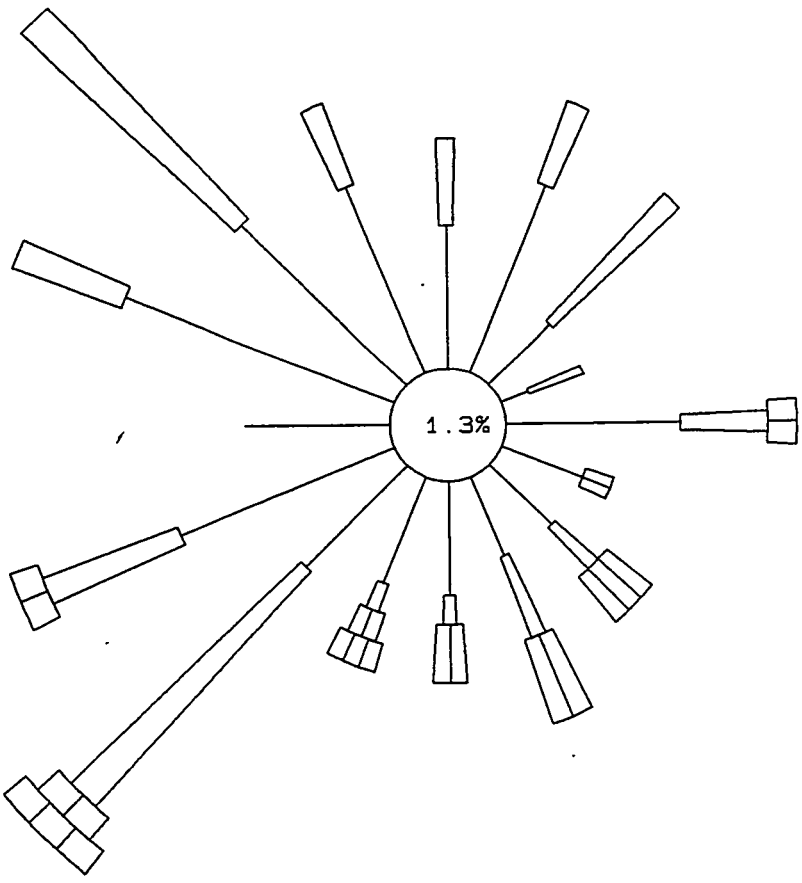

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 29.2% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition
1/ 1/1995 - 1/31/1995
1600 - 2000



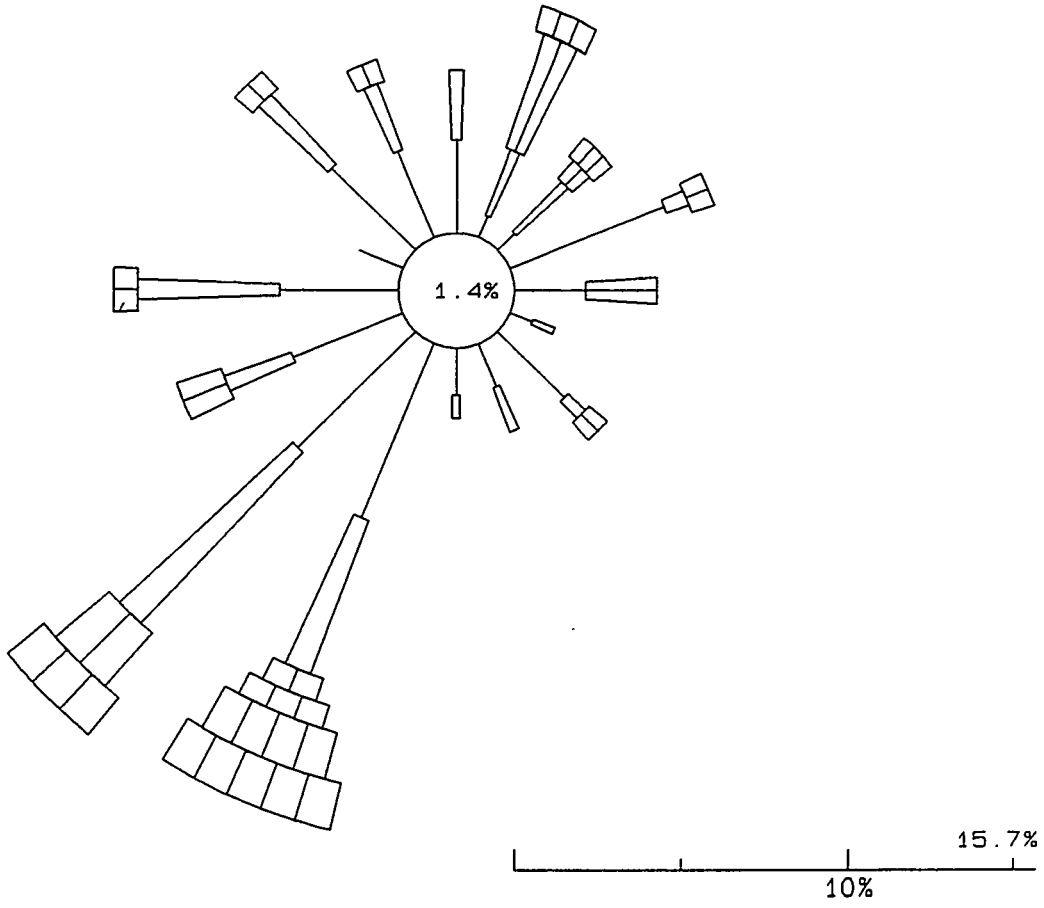

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition
2/ 1/1995 - 2/28/1995
1600 - 2000



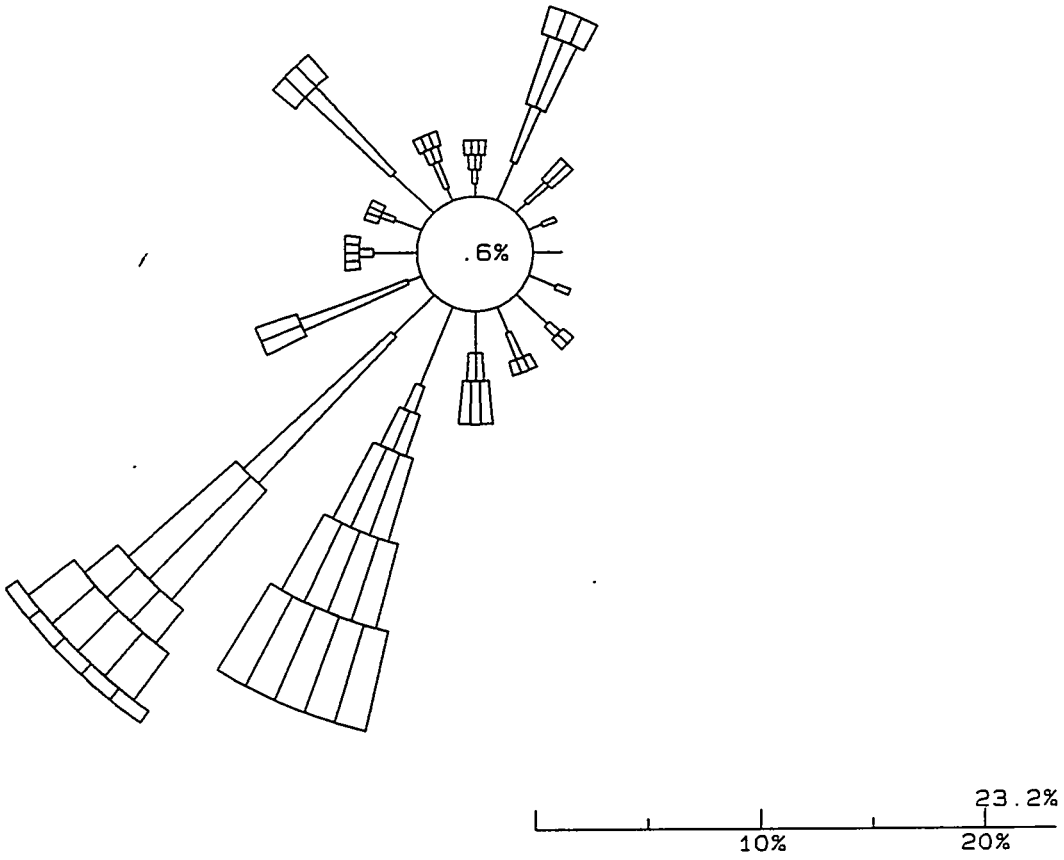

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition
3/ 1/1995 - 3/31/1995
1600 - 2000



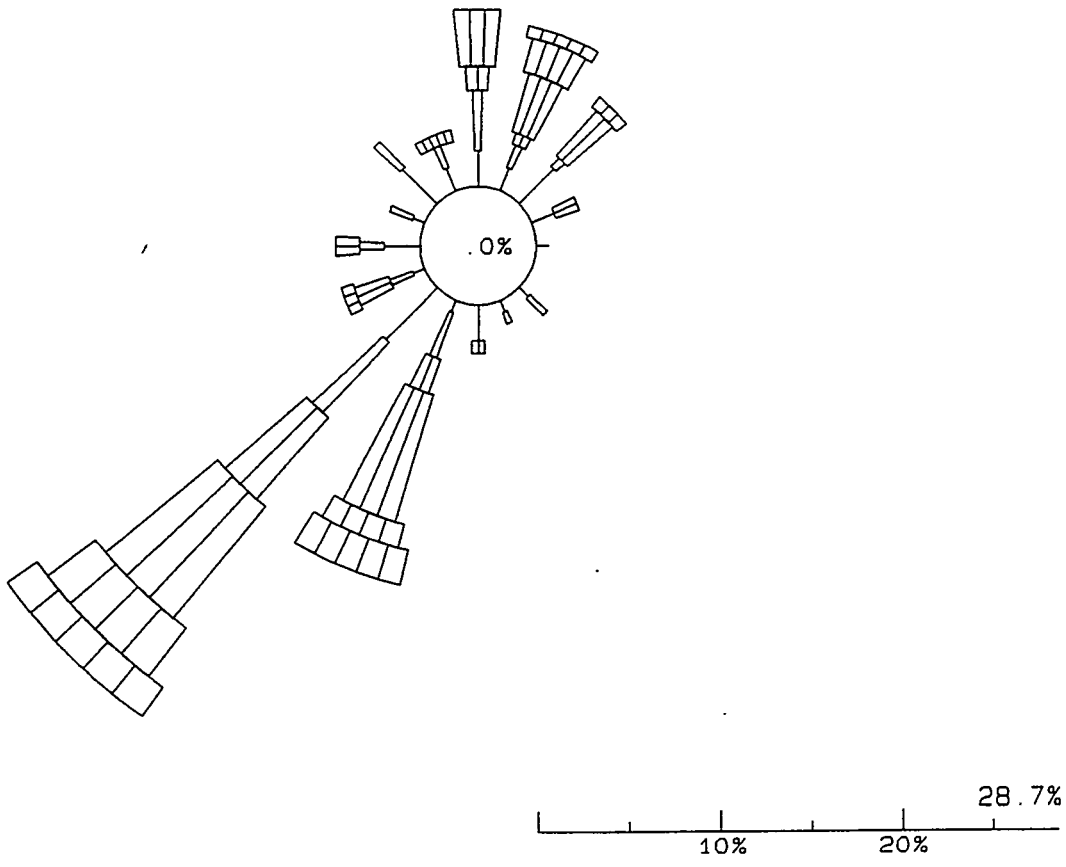

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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




WIND SPEED CLASSES (MPS)

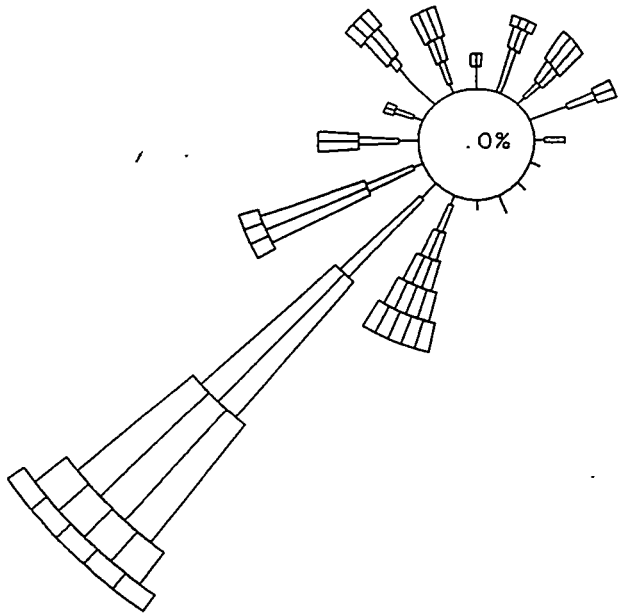
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 3.3 |
| 3 | ▫▫ | 3.3< WS <= 5.4 |
| 4 | ▫▫▫ | 5.4< WS <= 8.5 |
| 5 | ▫▫▫▫ | 8.5< WS <=10.8 |
| 6 | ▫▫▫▫▫ | 10.8< WS |

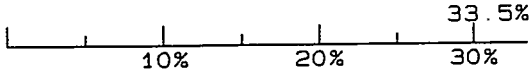
100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition
5/ 1/1995 - 5/31/1995
1600 - 2000

N




WIND SPEED CLASSES (MPS)

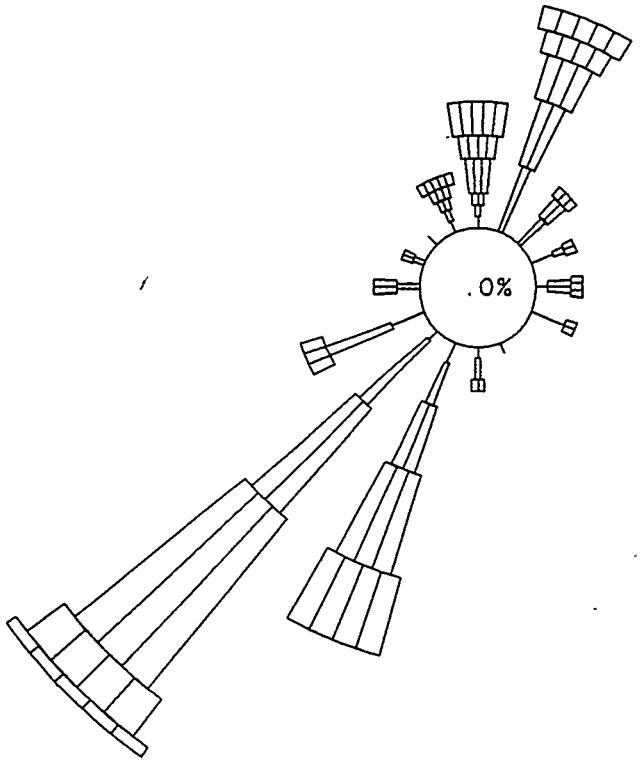
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

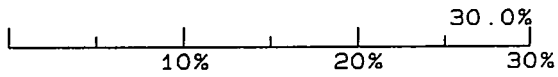
100.0% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition
6/ 1/1995 - 6/30/1995
1600 - 2000

N




WIND SPEED CLASSES (MPS)

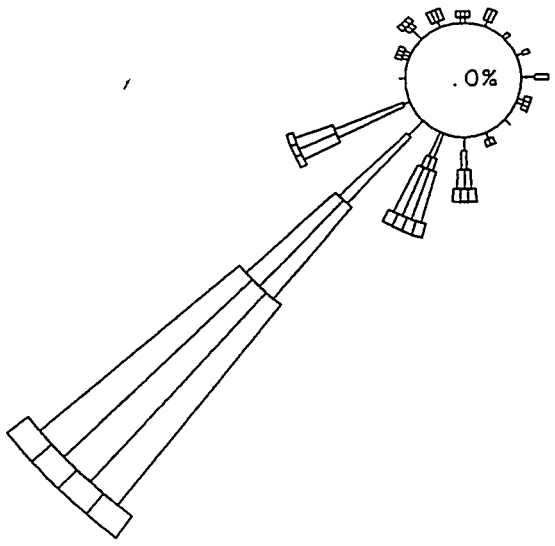
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 3.3 |
| 3 | ▫▫ | 3.3< WS <= 5.4 |
| 4 | ▫▫▫ | 5.4< WS <= 8.5 |
| 5 | ▫▫▫▫ | 8.5< WS <=10.8 |
| 6 | ▫▫▫▫▫ | 10.8< WS |

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




52.0%
10% 20% 30% 40% 50%

WIND SPEED CLASSES (MPS)

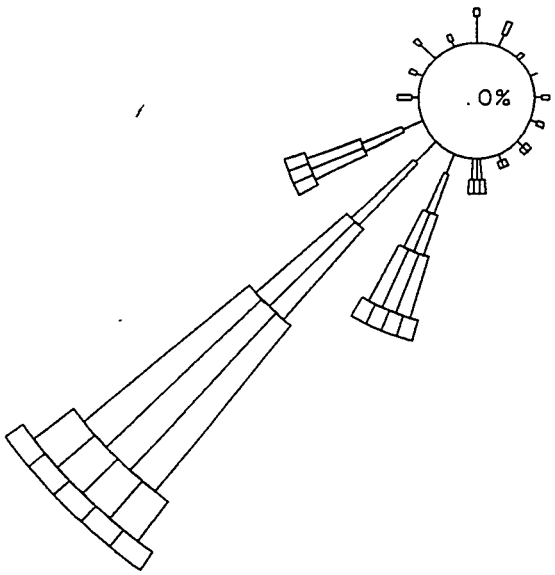
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

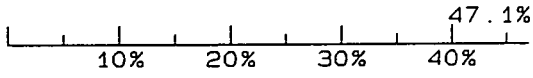
96.9% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition
8/ 1/1995 - 8/31/1995
1600 - 2000

N



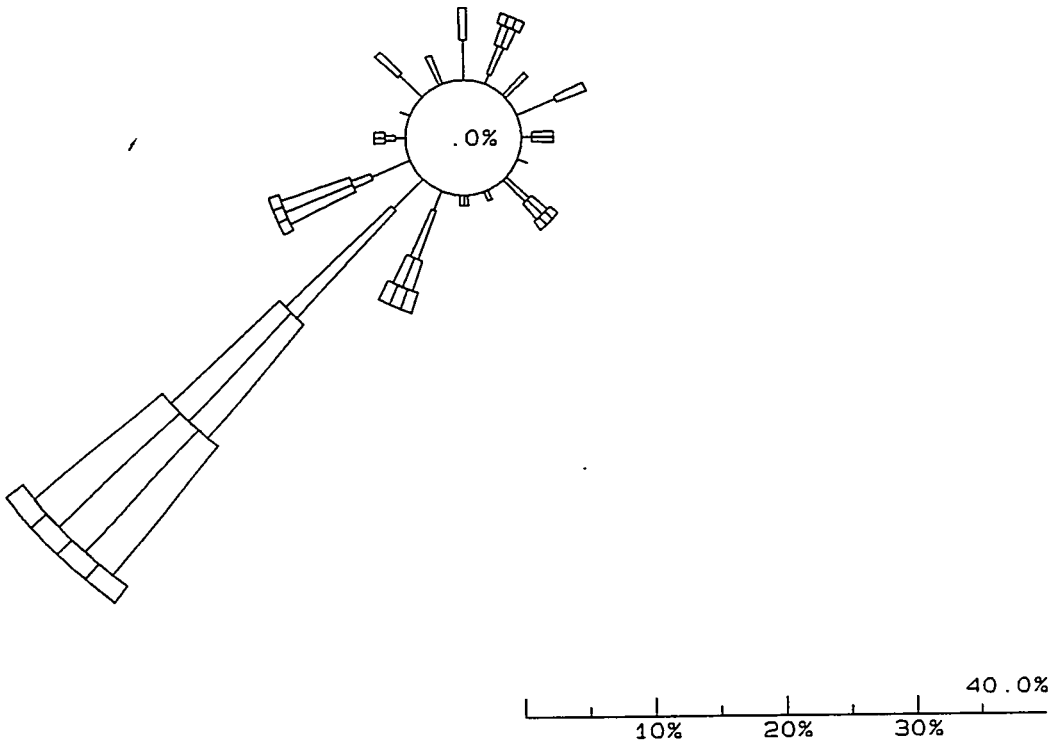

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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



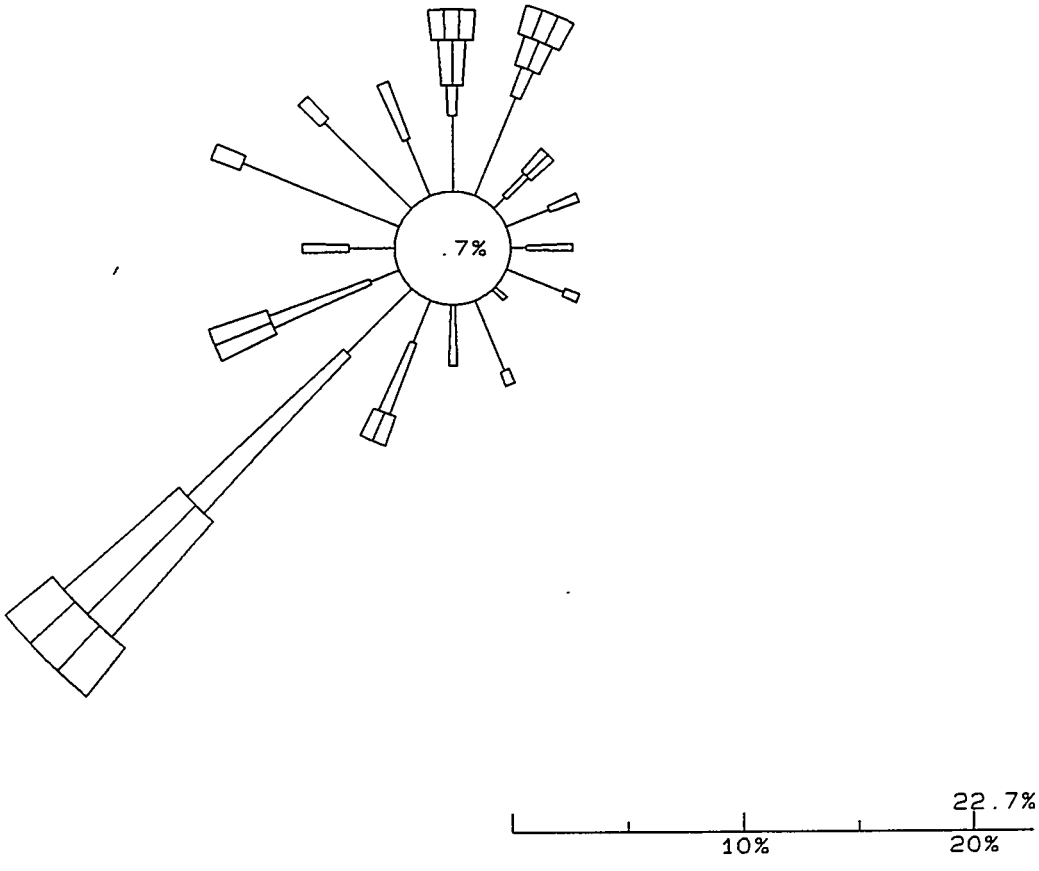

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition
10/ 1/1995 - 10/31/1995
1600 - 2000



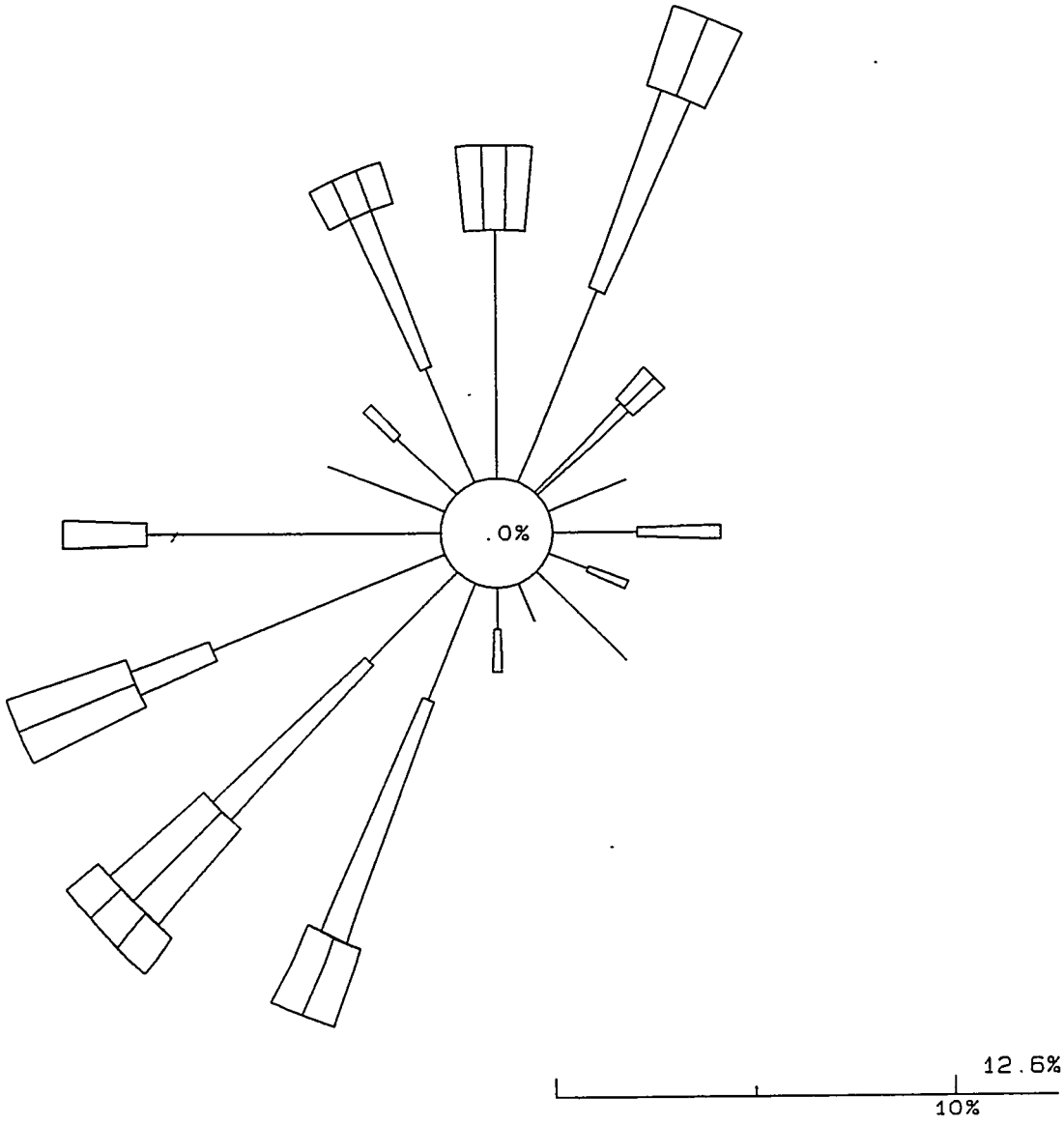

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

96.8% 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



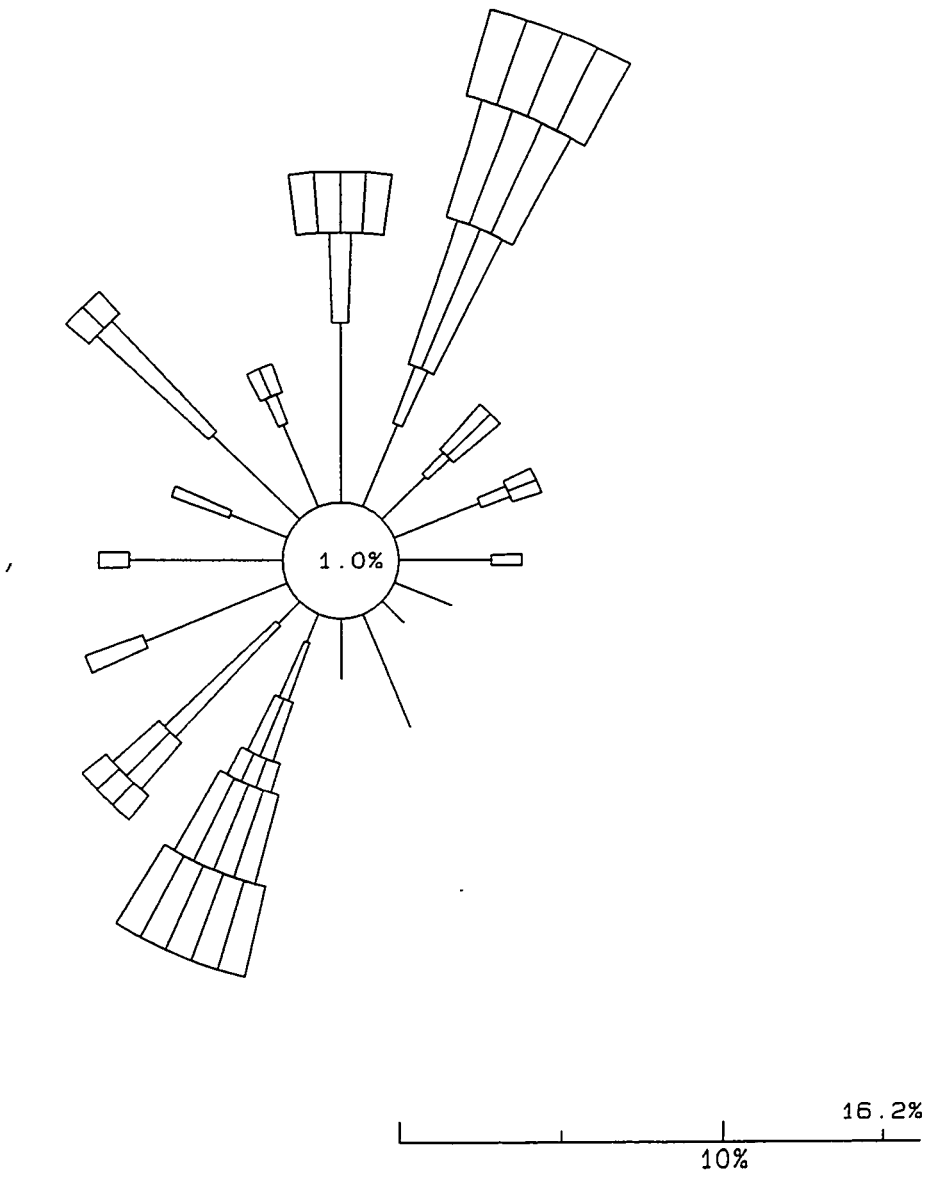

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 20.7% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Evening Transition
12/ 1/1995 - 12/31/1995
1600 - 2000




WIND SPEED CLASSES (MPS)

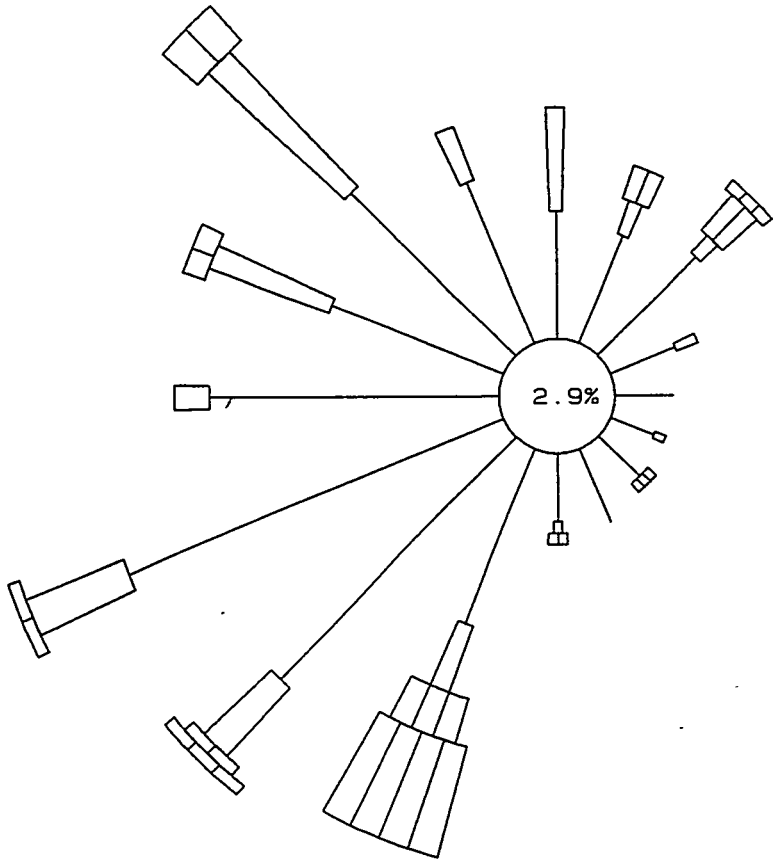
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | | .5< WS <= 1.8 |
| 2 | | 1.8< WS <= 3.3 |
| 3 | | 3.3< WS <= 5.4 |
| 4 | | 5.4< WS <= 8.5 |
| 5 | | 8.5< WS <=10 8 |
| 6 | | 10.8< WS |

67.7% DATA RECOVERED
OF WHICH 20.8% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time
1/ 1/1995 - 1/31/1995
2000 - 600

N




13.2%
10%

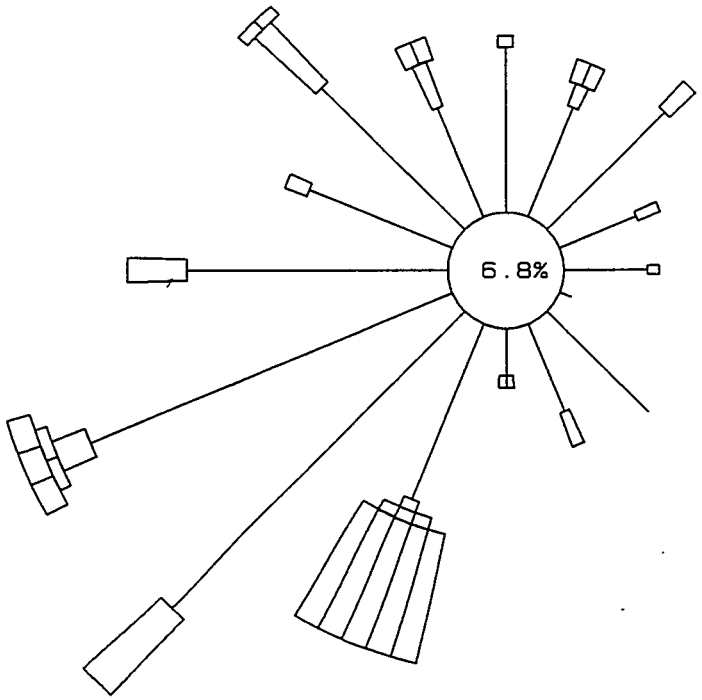
WIND SPEED CLASSES (MPS)

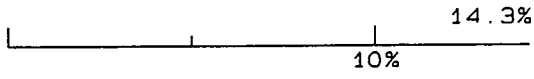
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

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



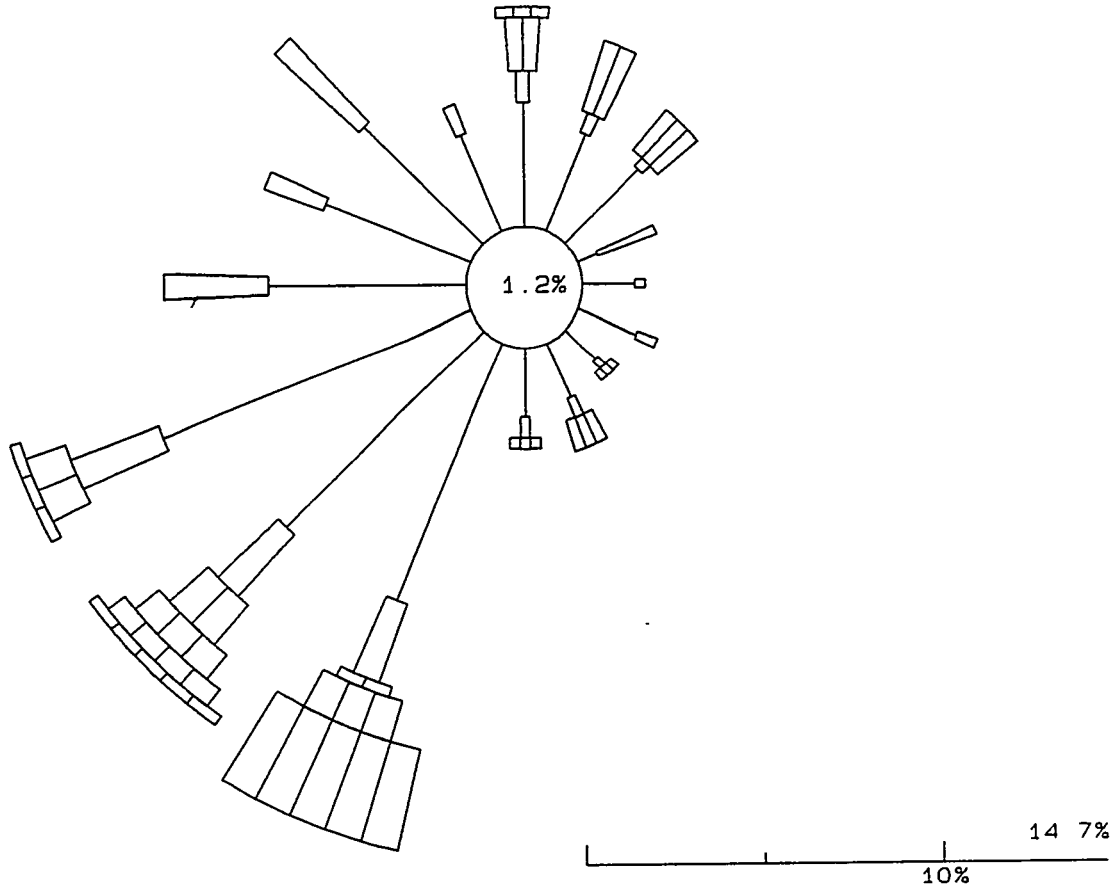

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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




WIND SPEED CLASSES (MPS)

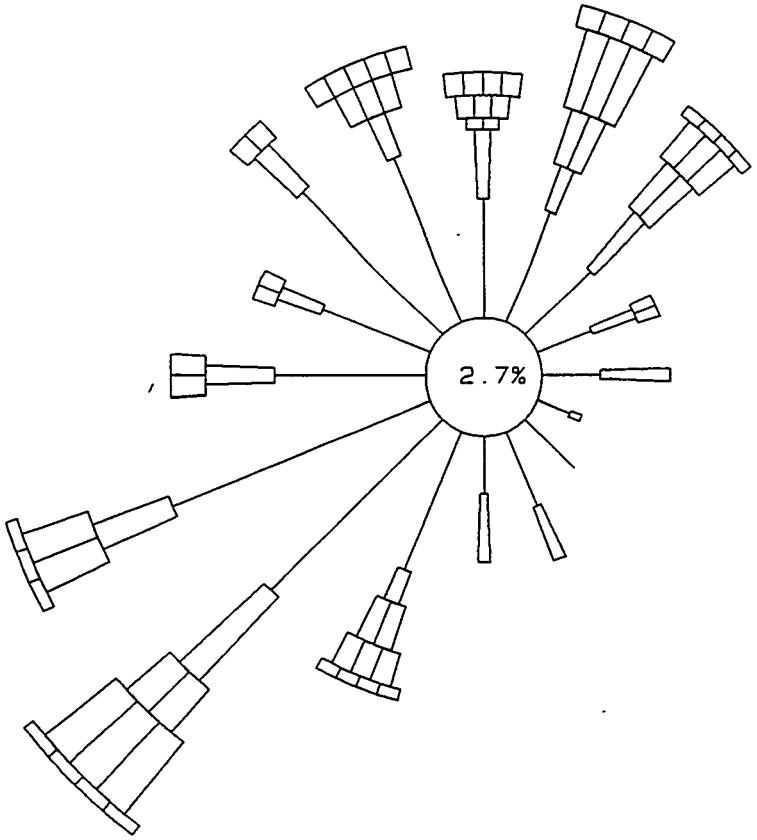
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

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




13.6%
10%

WIND SPEED CLASSES (MPS)

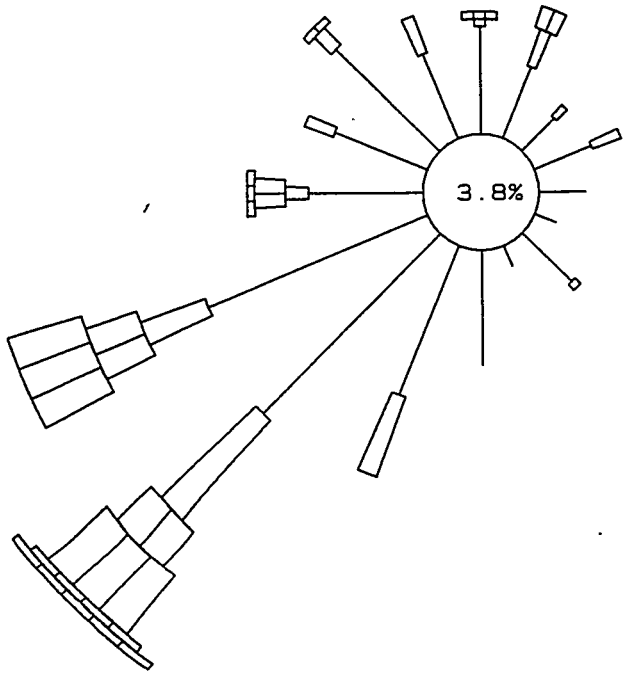
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

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




19 9%
10%

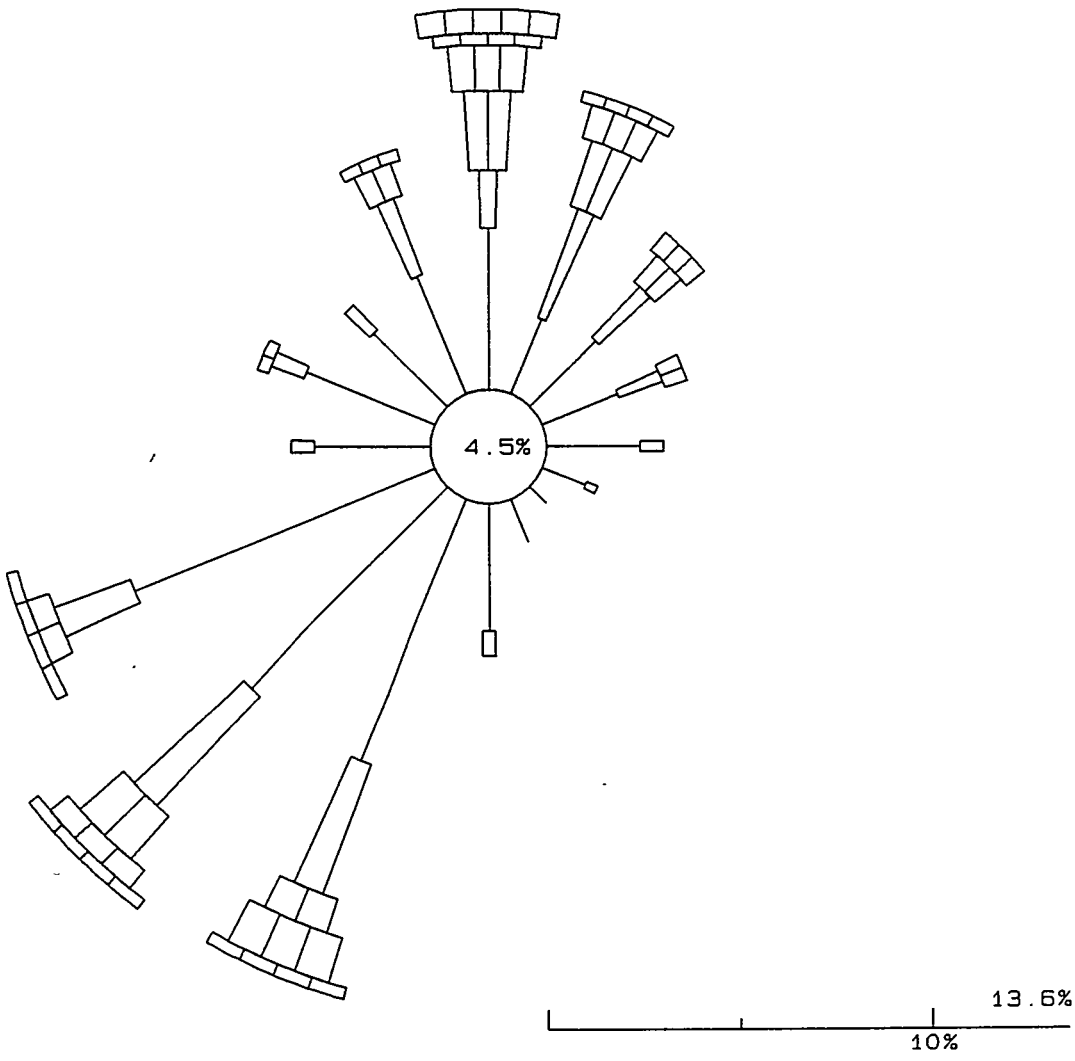
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

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



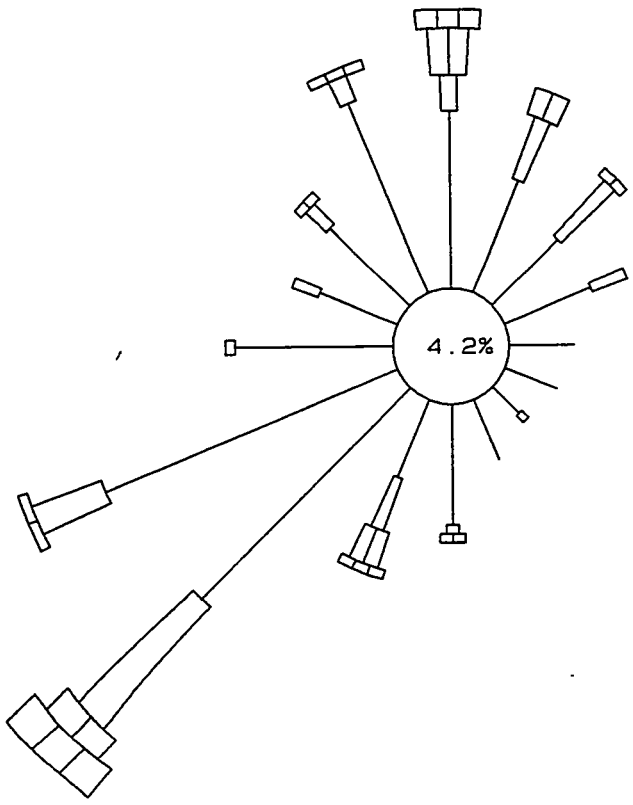

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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
7/ 1/1995 - 7/31/1995
2000 - 600




WIND SPEED CLASSES (MPS)

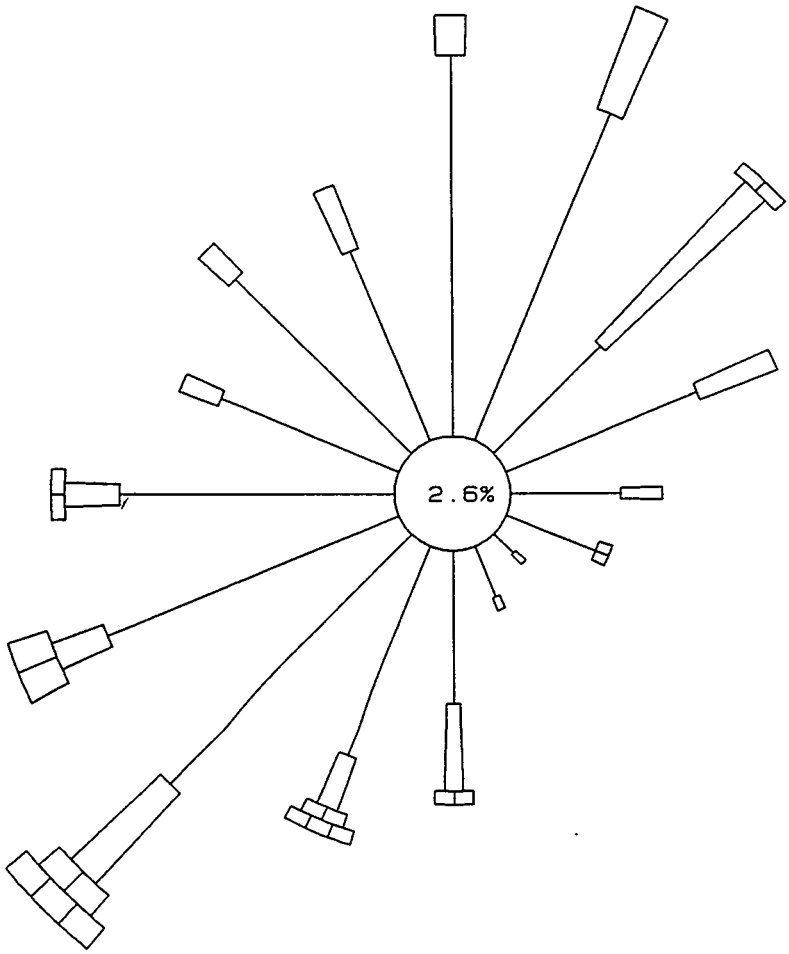
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

96.9% DATA RECOVERED
OF WHICH 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%

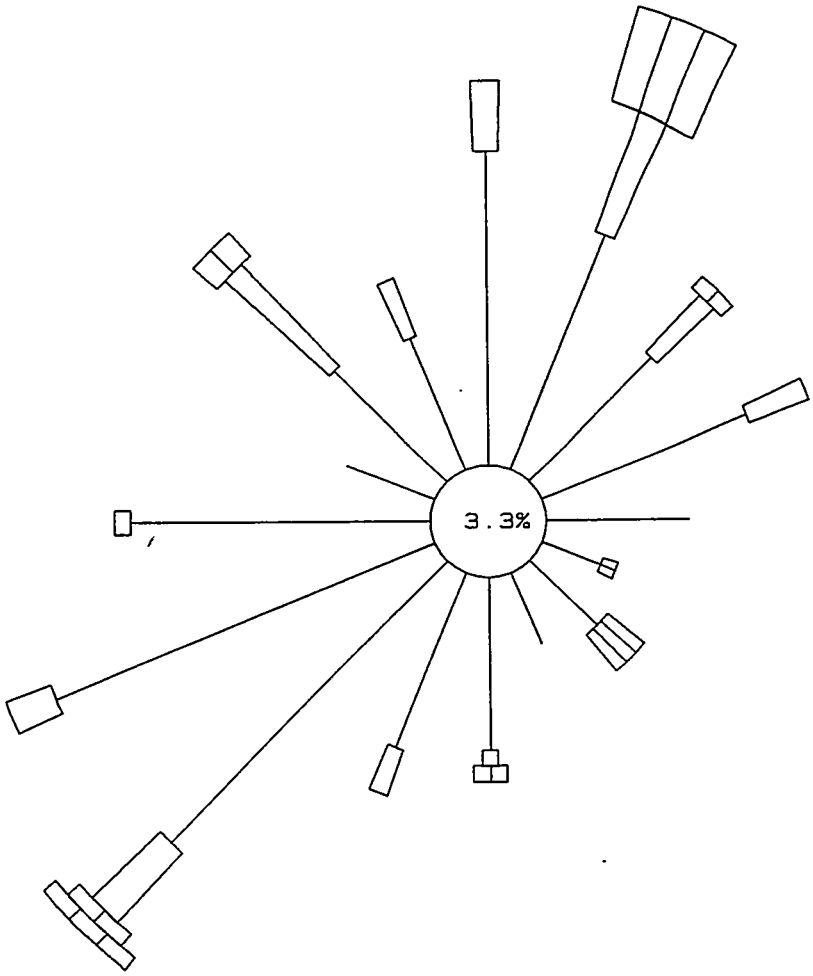
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 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

8 METER HEIGHT - Night Time
9/ 1/1995 - 9/30/1995
2000 - 600



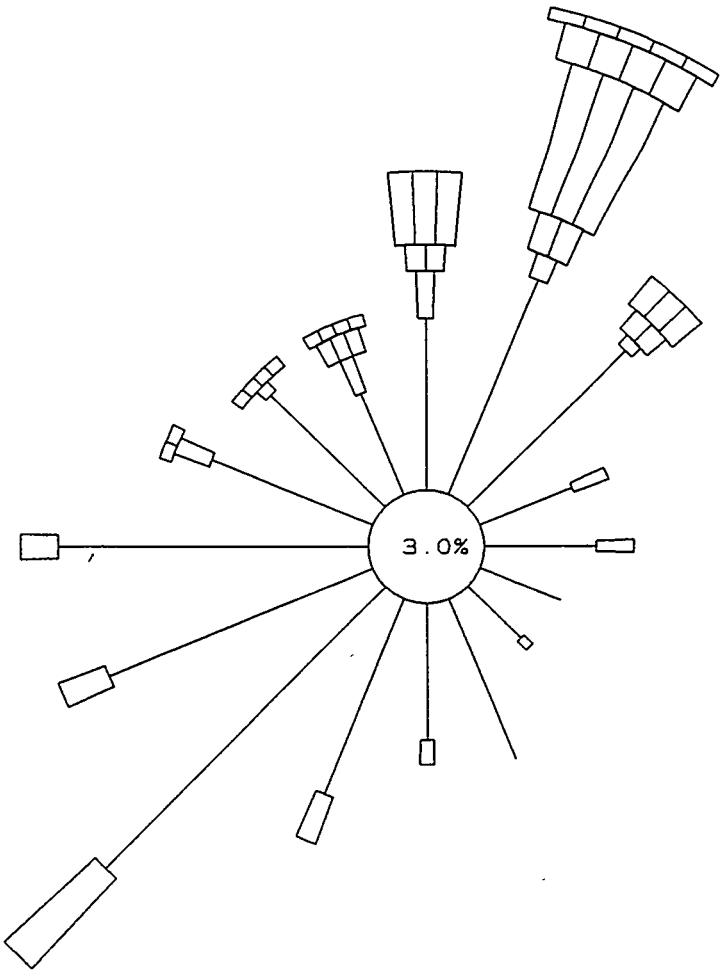

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 45.9% IS
REPORTED ABOVE

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Night Time
10/ 1/1995 - 10/31/1995
2000 - 600




WIND SPEED CLASSES (MPS)

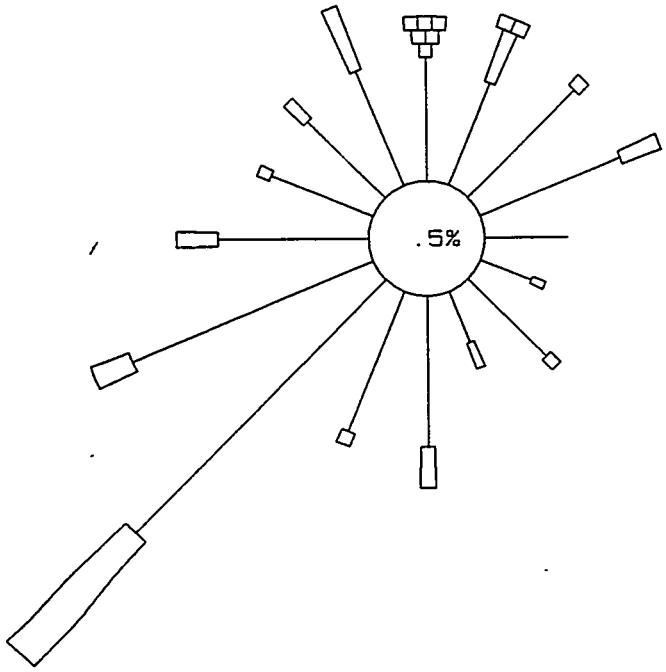
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 3.3 |
| 3 | ▫▫ | 3.3< WS <= 5.4 |
| 4 | ▫▫▫ | 5.4< WS <= 8.5 |
| 5 | ▫▫▫▫ | 8.5< WS <=10.8 |
| 6 | ▫▫▫▫▫ | 10.8< WS |

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




18.0%
10%

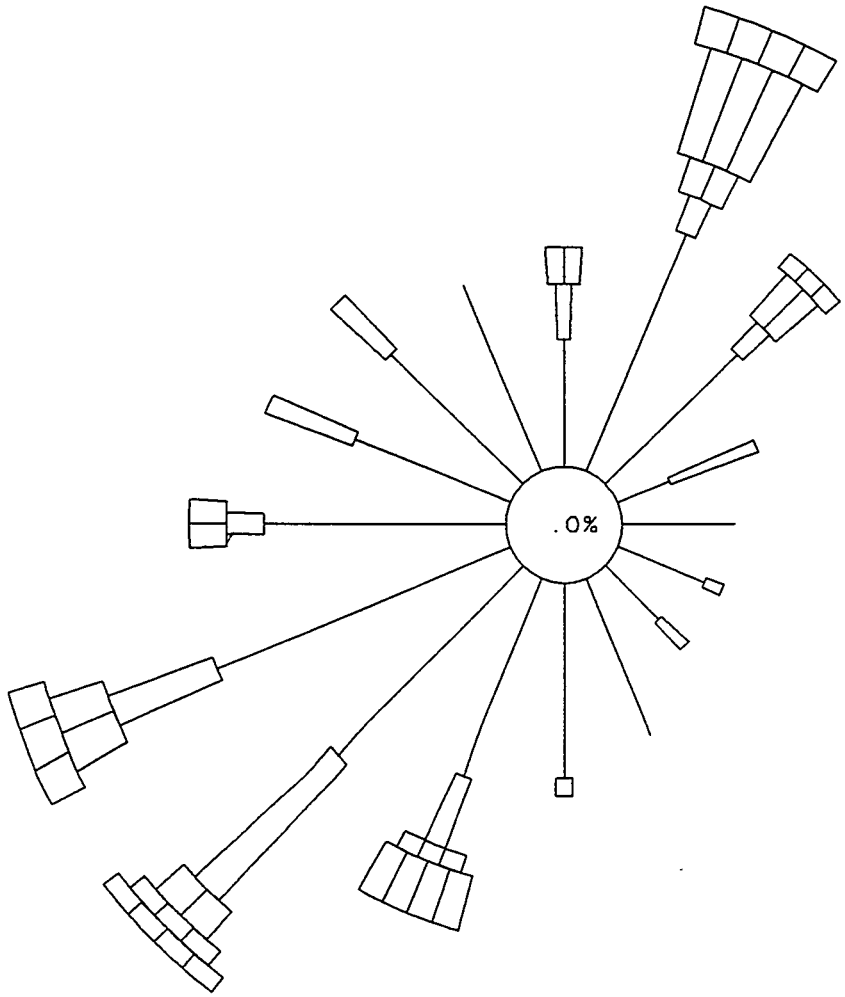
WIND SPEED CLASSES (MPS)

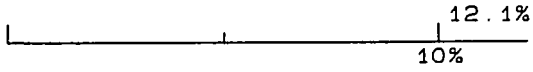
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

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



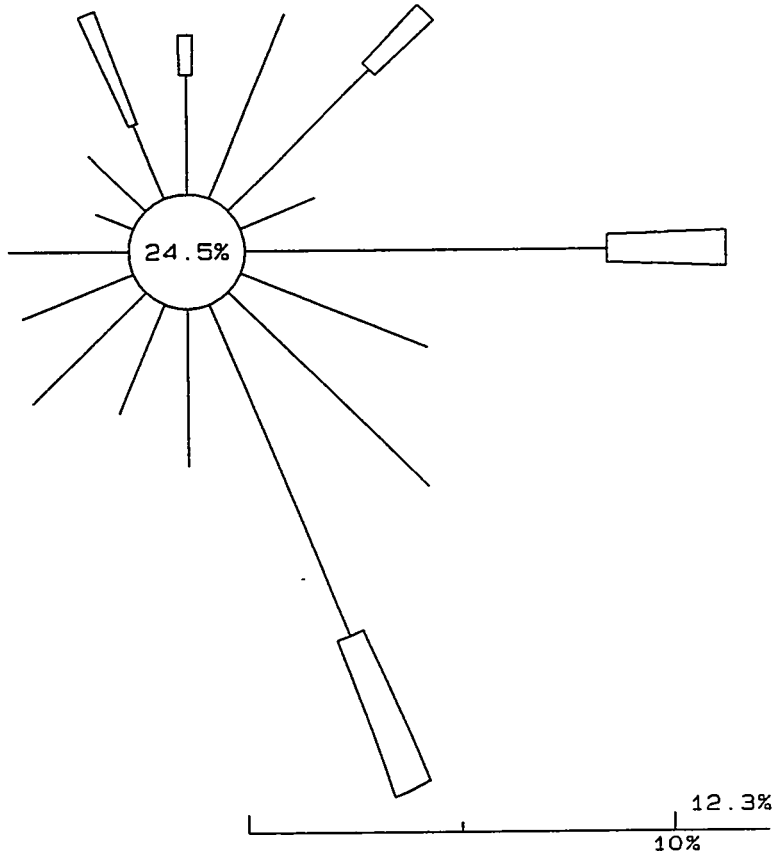




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 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

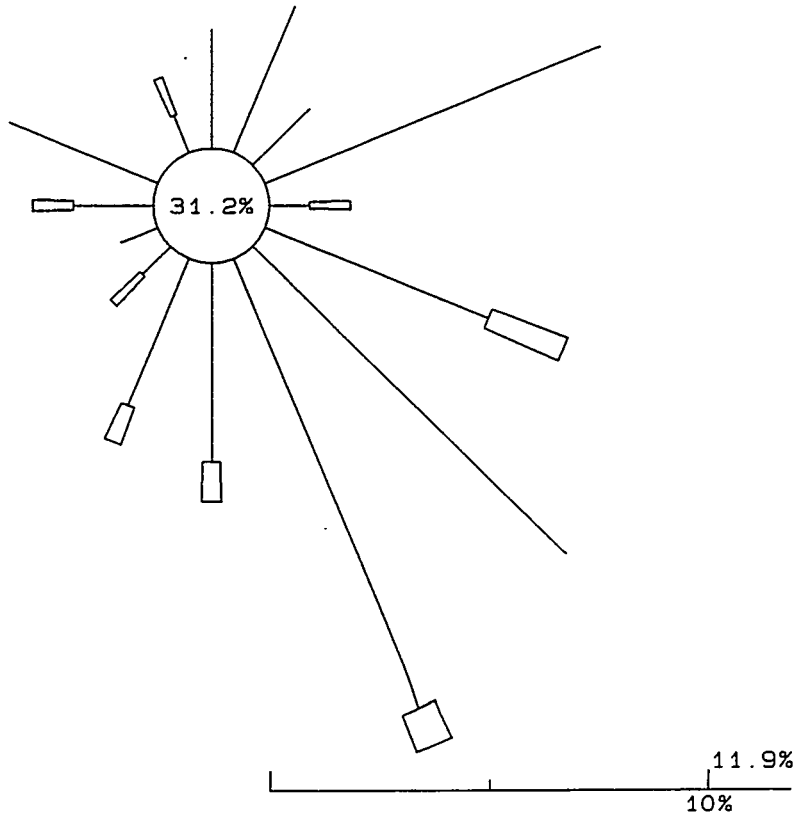



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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
8 METER HEIGHT - Total Hours
2/ 1/1995 - 2/28/1995
0 - 2400

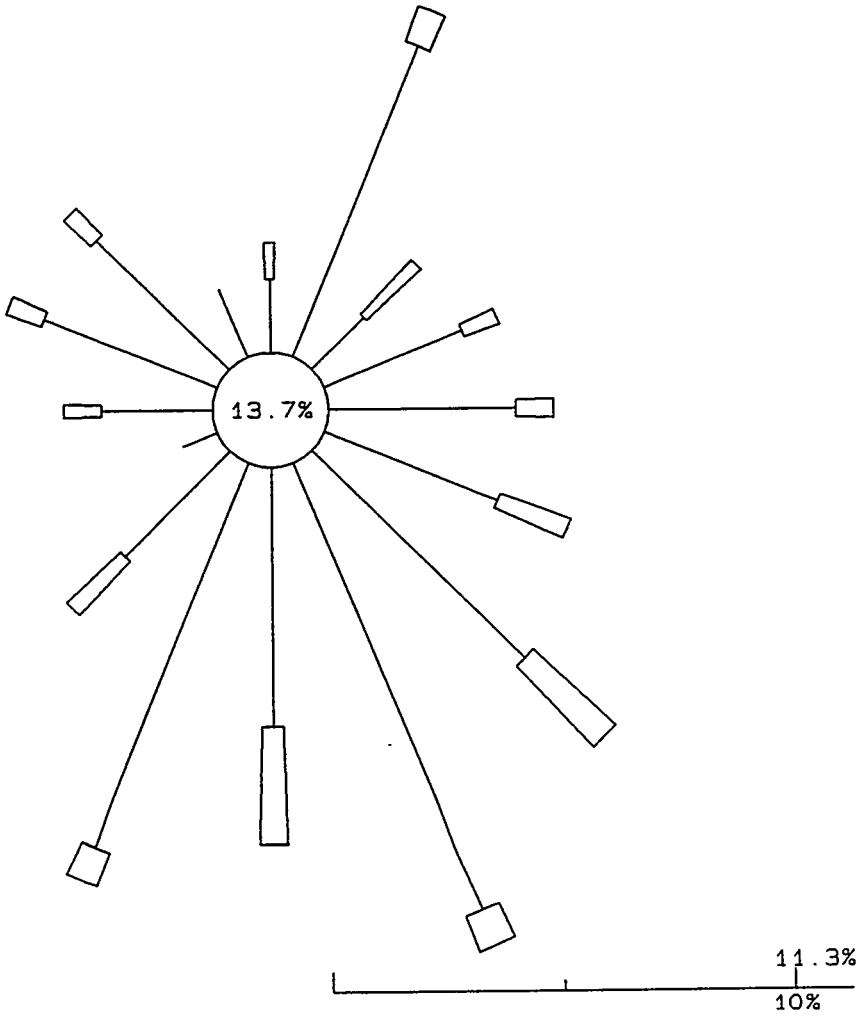



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

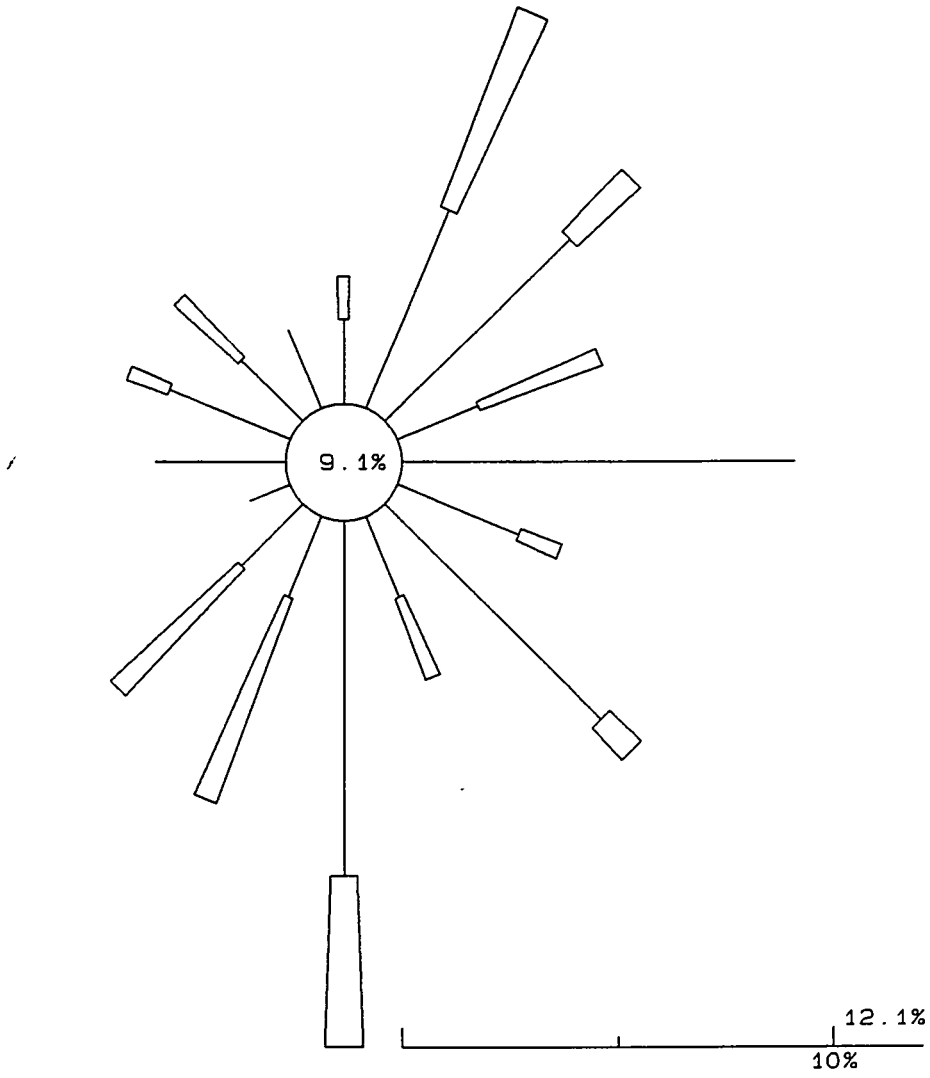



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | II | 1.8< WS <= 3.3 |
| 3 | III | 3.3< WS <= 5.4 |
| 4 | IIII | 5.4< WS <= 8.5 |
| 5 | IIIII | 8.5< WS <=10.8 |
| 6 | IIIIII | 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

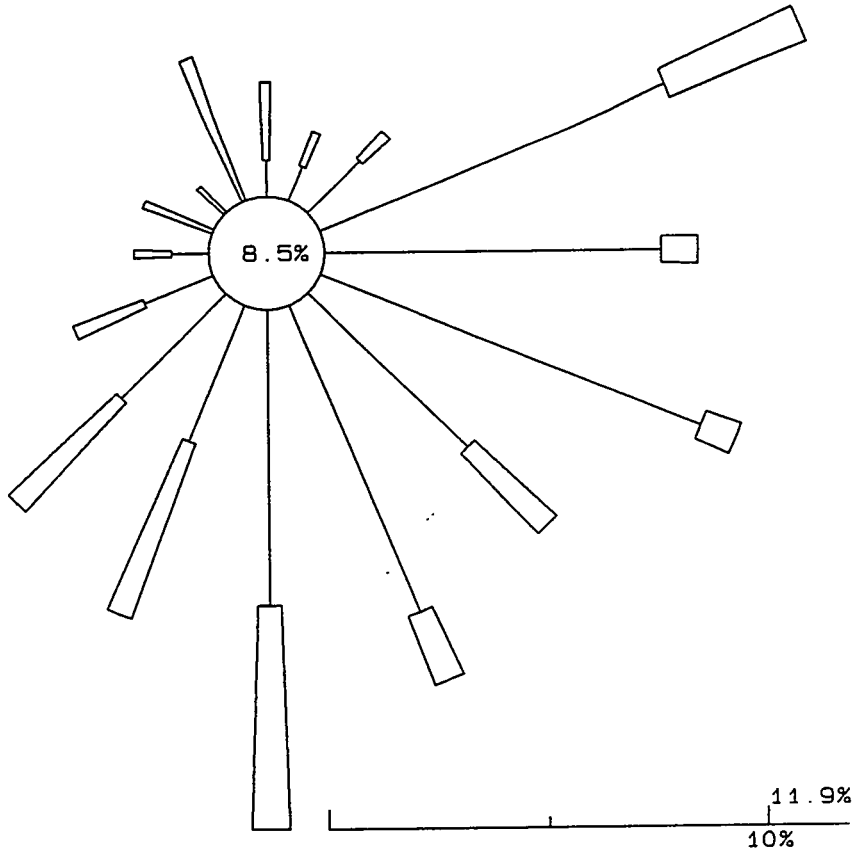



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

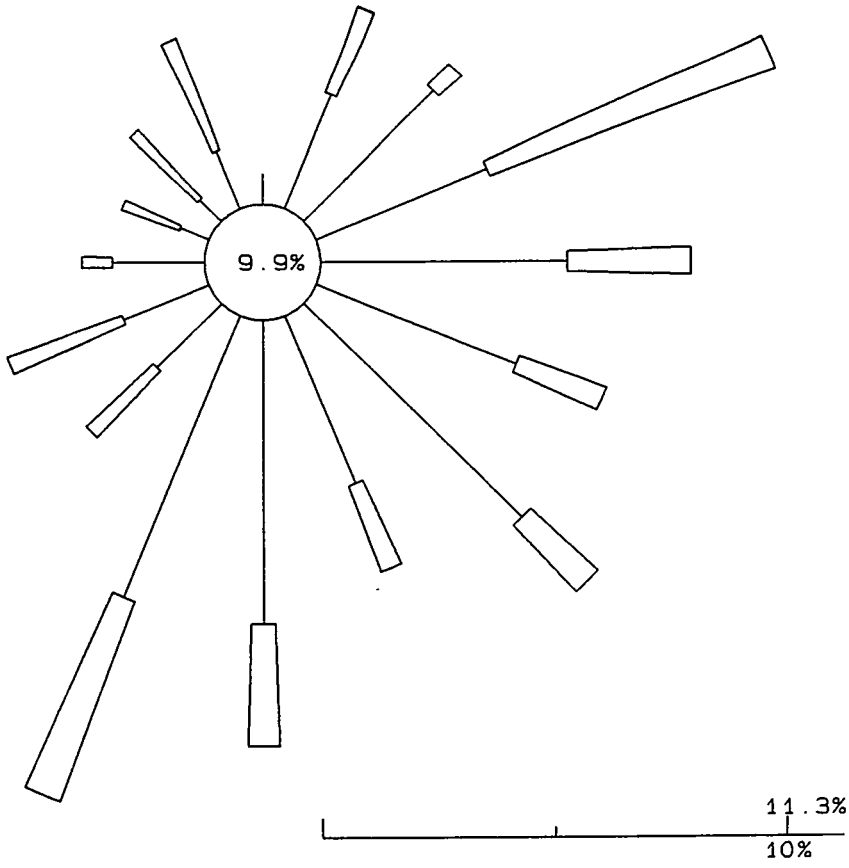



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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

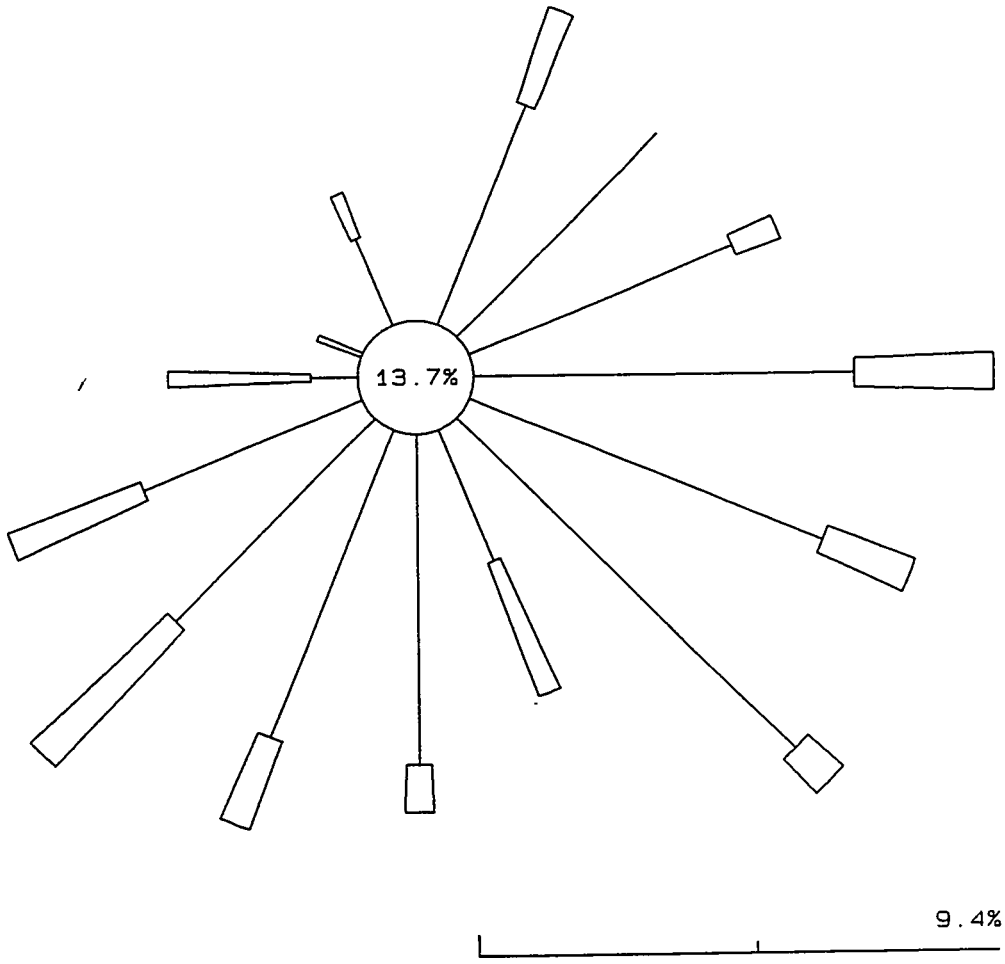



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

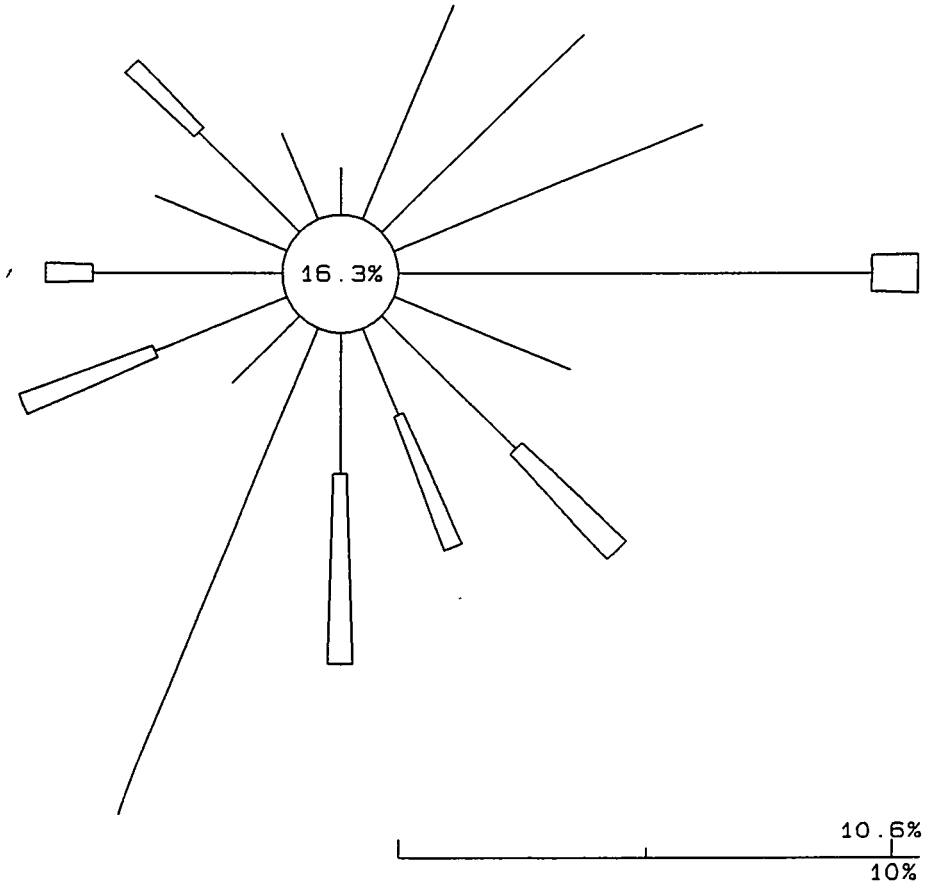



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

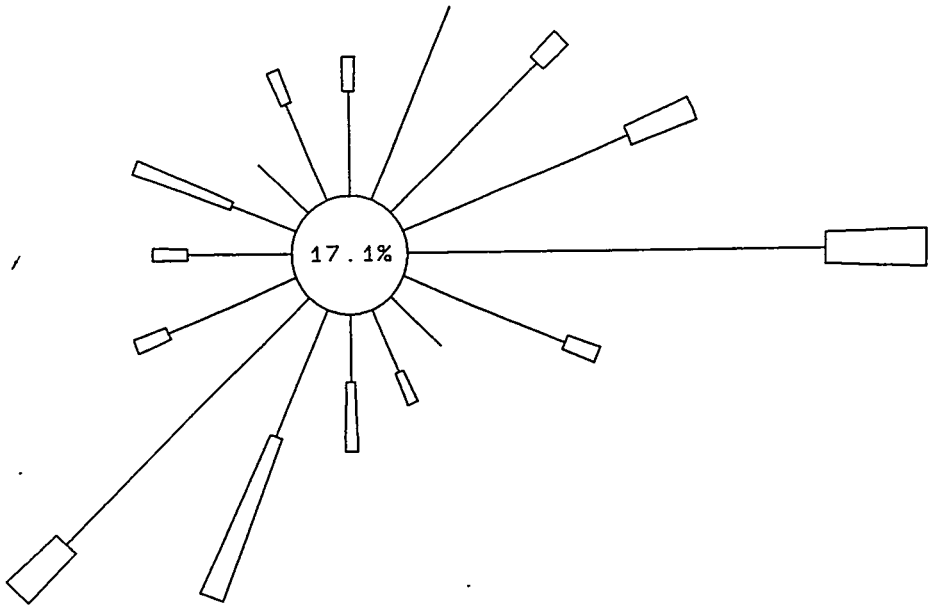



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

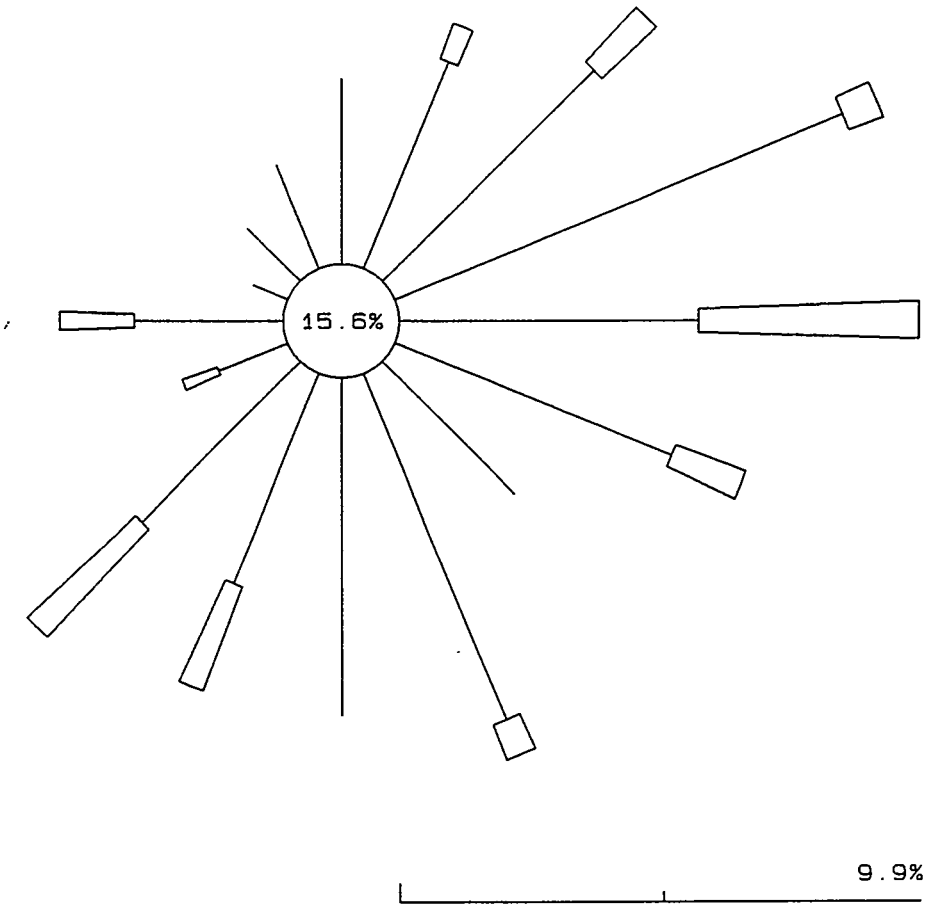



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



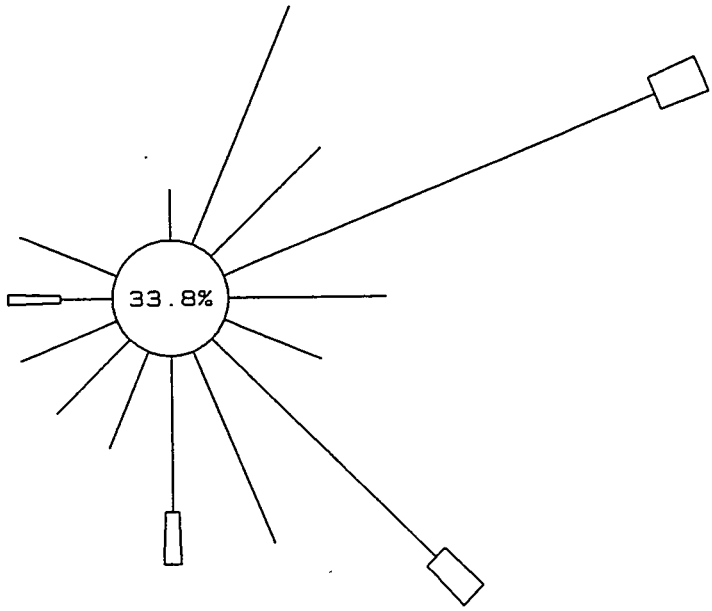

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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




13.5%
10%

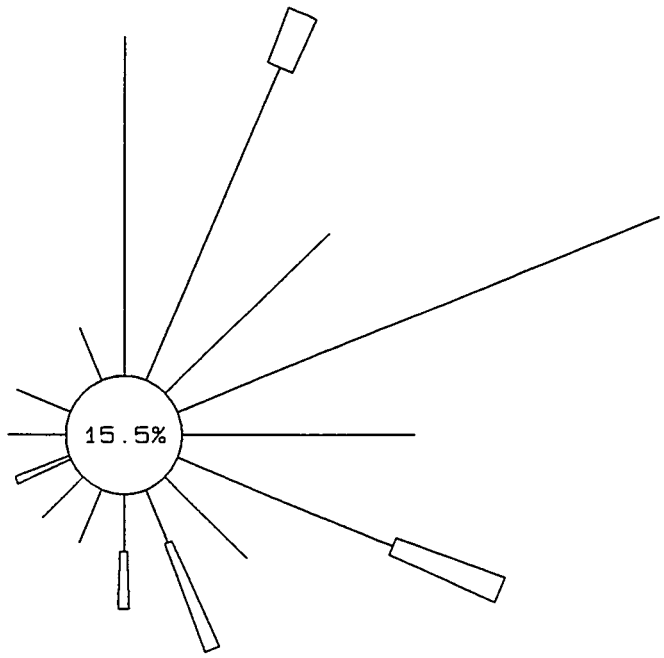
WIND SPEED CLASSES (MPS)

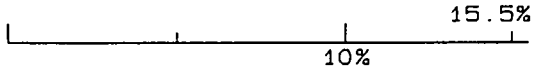
| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

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



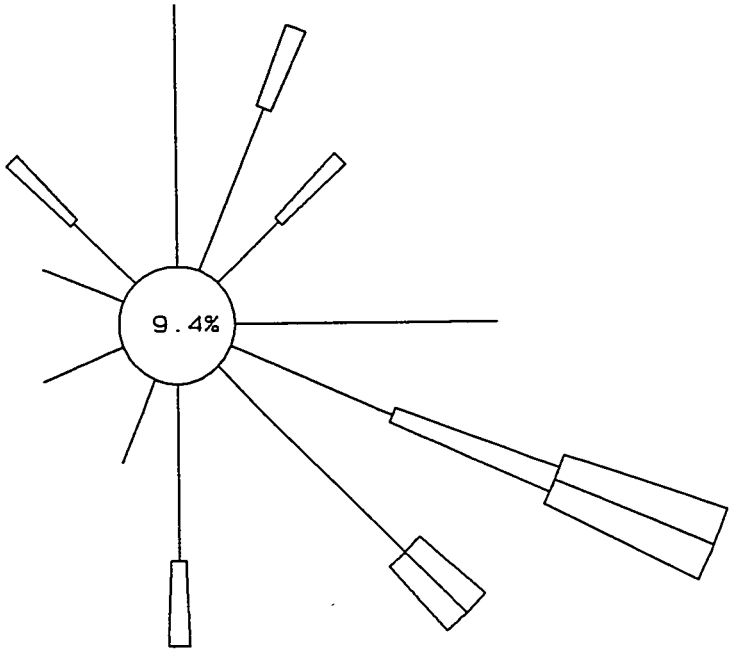




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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
8 METER HEIGHT - Total Hours
1/ 1/1995 - 1/31/1995
0 - 2400



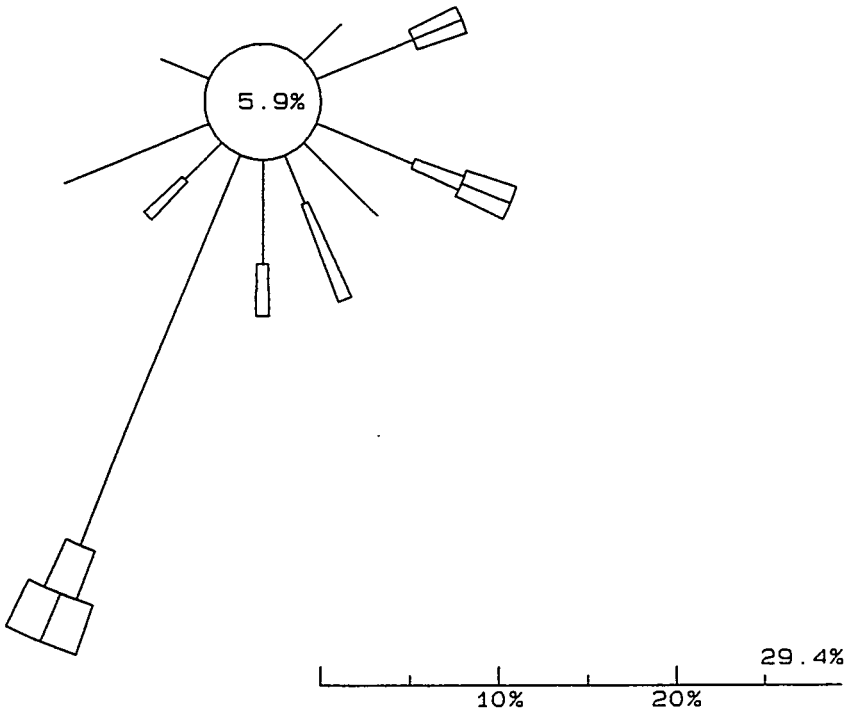

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

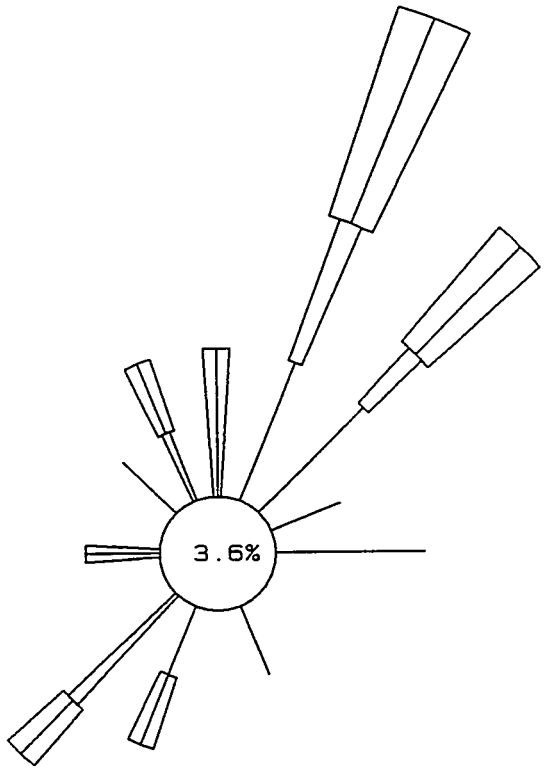


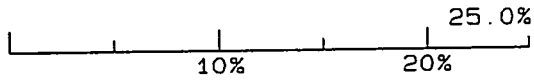

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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 5.1% 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



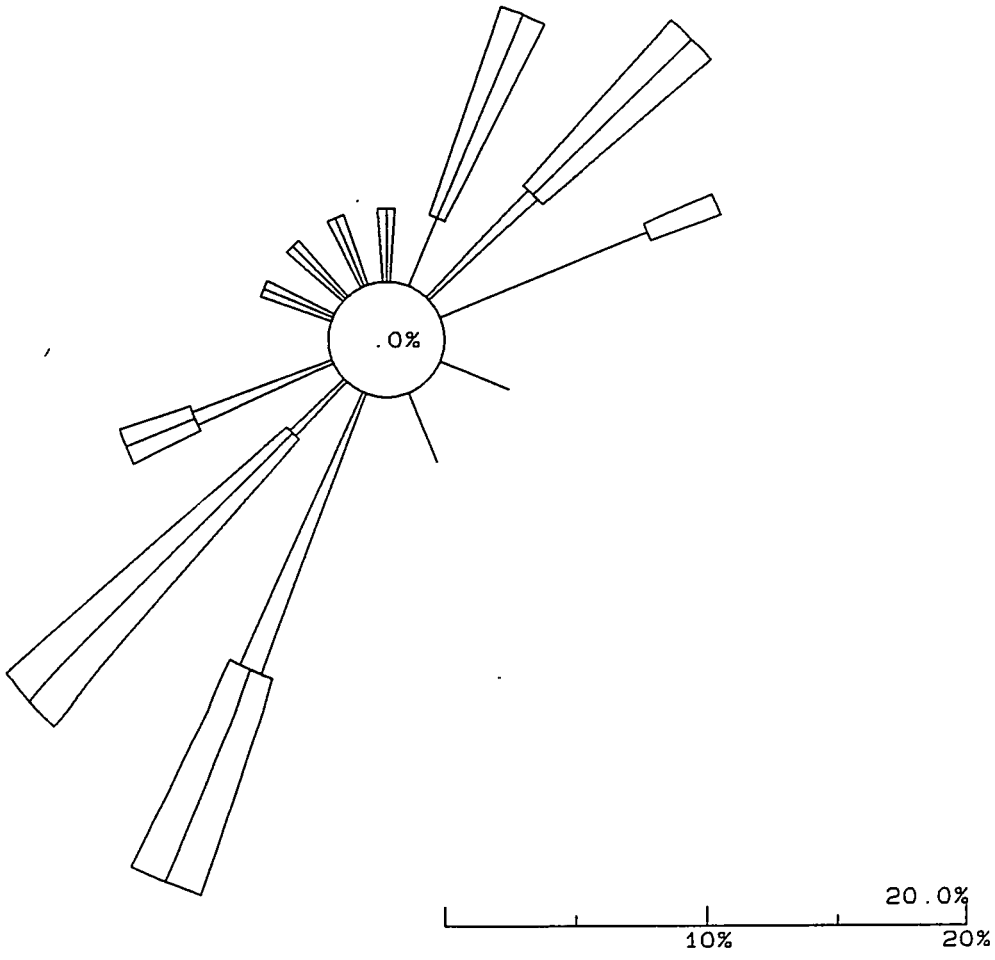




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



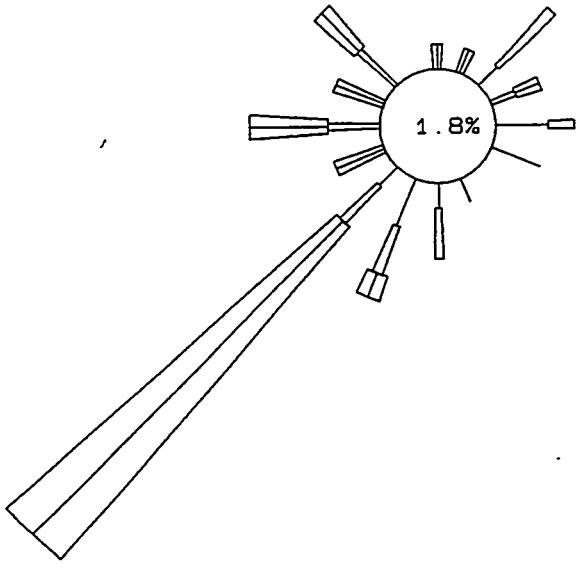

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 0 | 1.8< WS <= 3.3 |
| 3 | 0 | 3.3< WS <= 5.4 |
| 4 | 0 | 5.4< WS <= 8.5 |
| 5 | 0 | 8.5< WS <=10.8 |
| 6 | 0 | 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



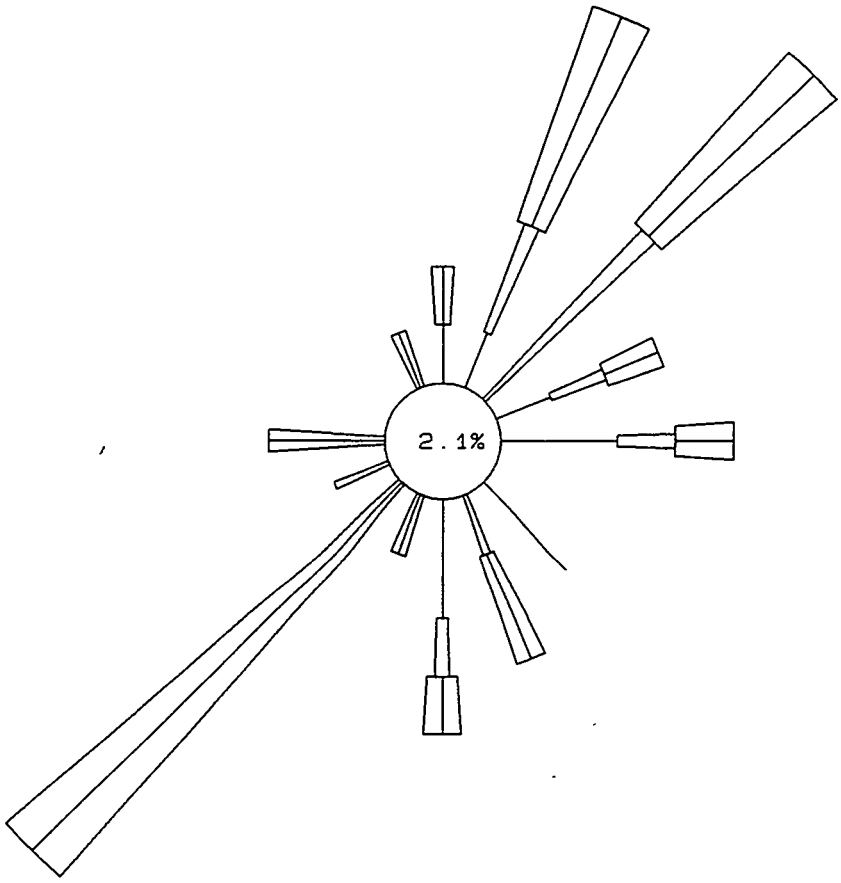

35.7%
10% 20% 30%

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

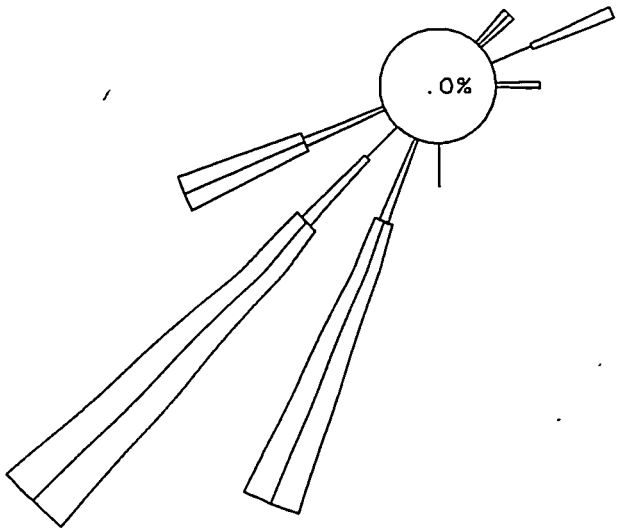



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

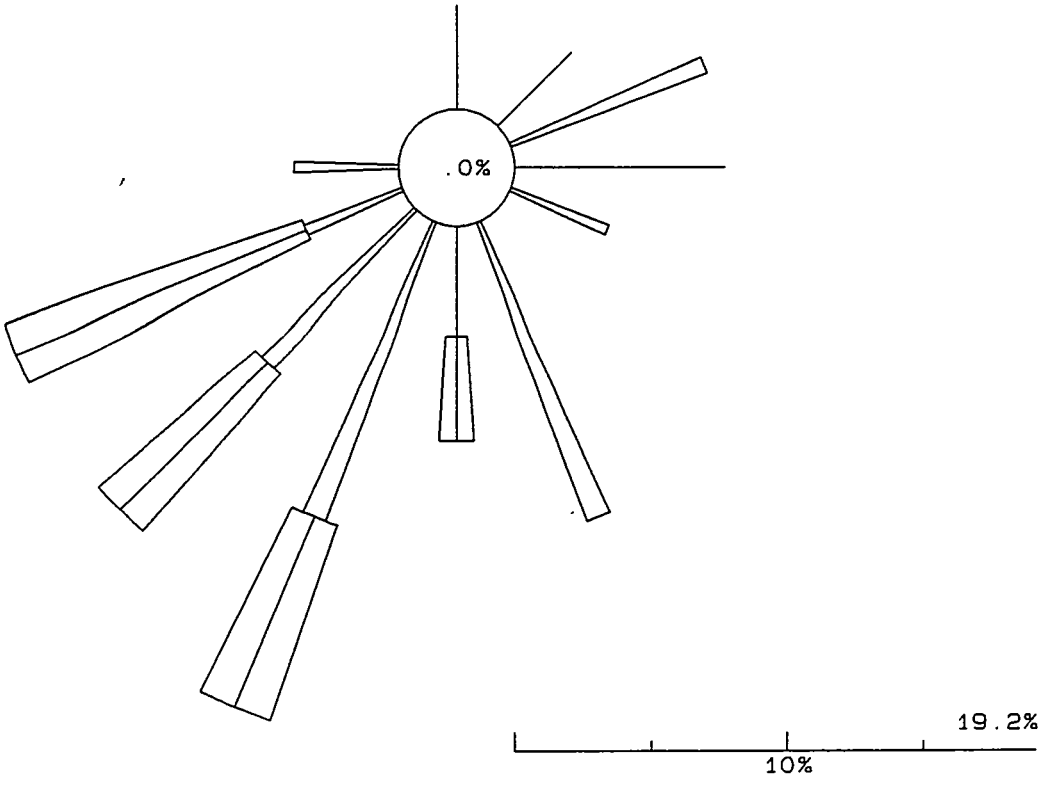



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

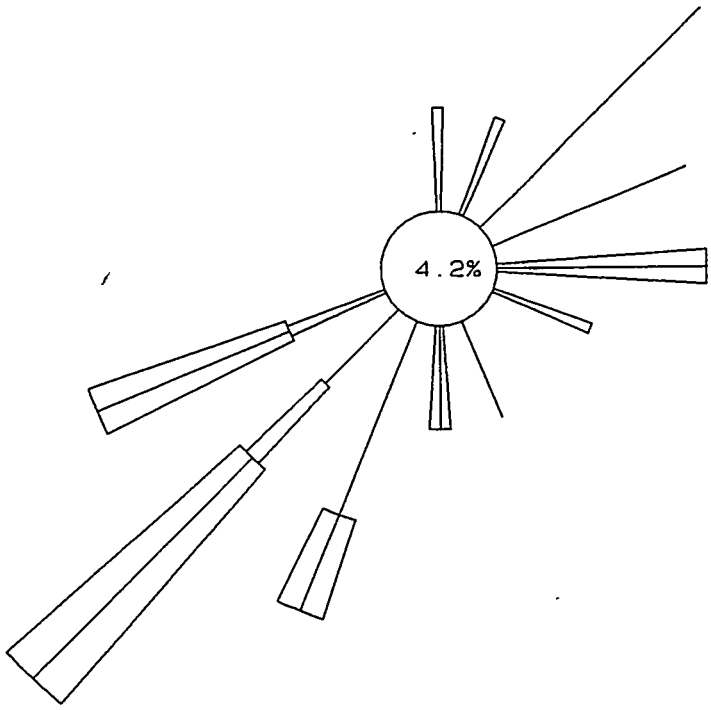



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



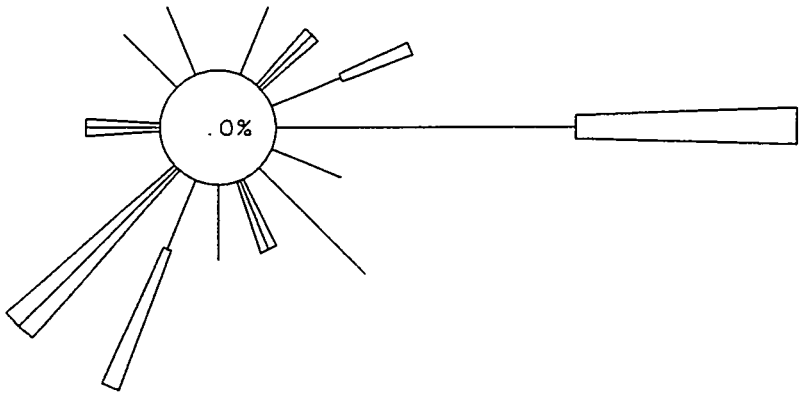

WIND SPEED CLASSES (MPS)

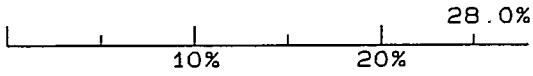
| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 0 | 1.8< WS <= 3.3 |
| 3 | 00 | 3.3< WS <= 5.4 |
| 4 | 000 | 5.4< WS <= 8.5 |
| 5 | 0000 | 8.5< WS <=10.8 |
| 6 | 00000 | 10.8< WS |

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



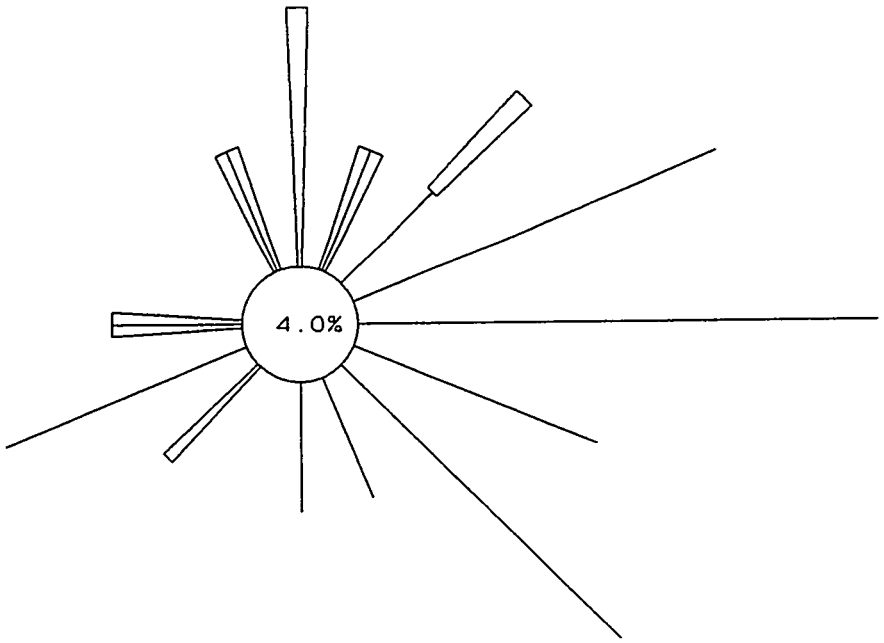




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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



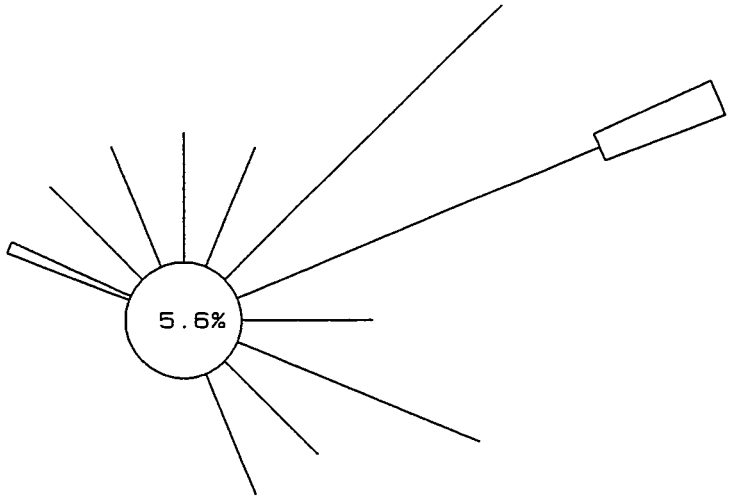

WIND SPEED CLASSES (MPS)

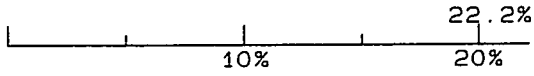
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

63.6% DATA RECOVERED
OF WHICH 5.5% IS
REPORTED ABOVE

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

N



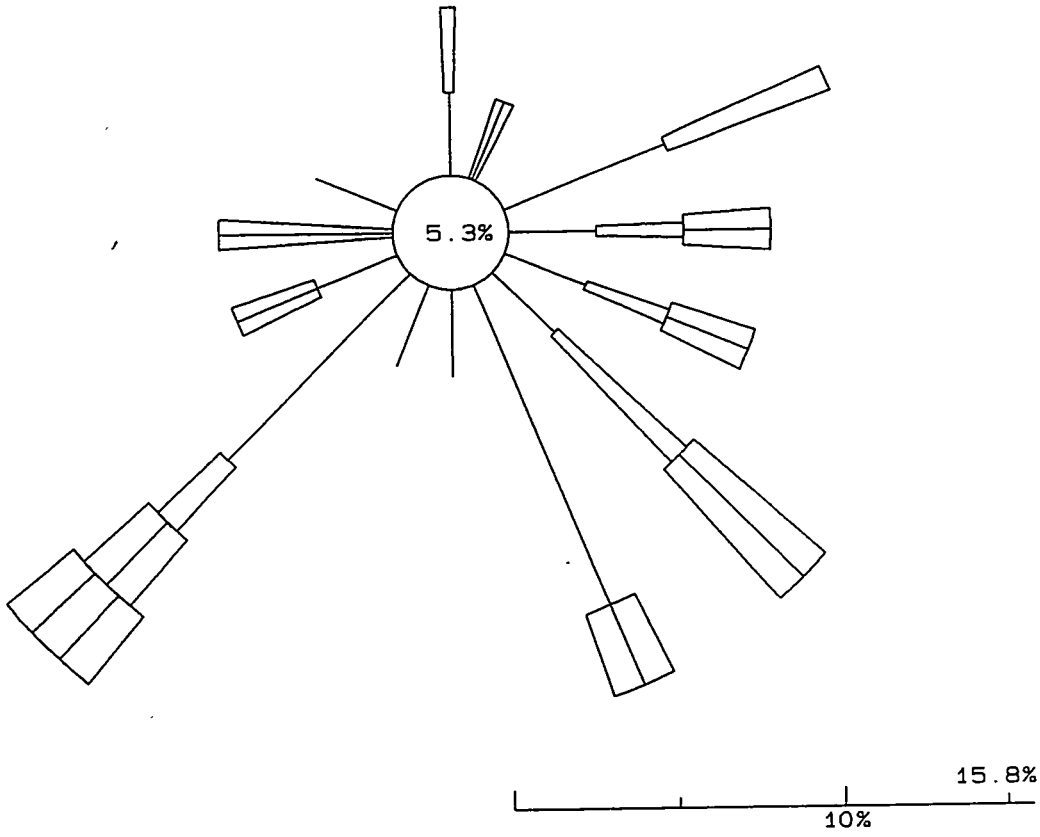




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

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



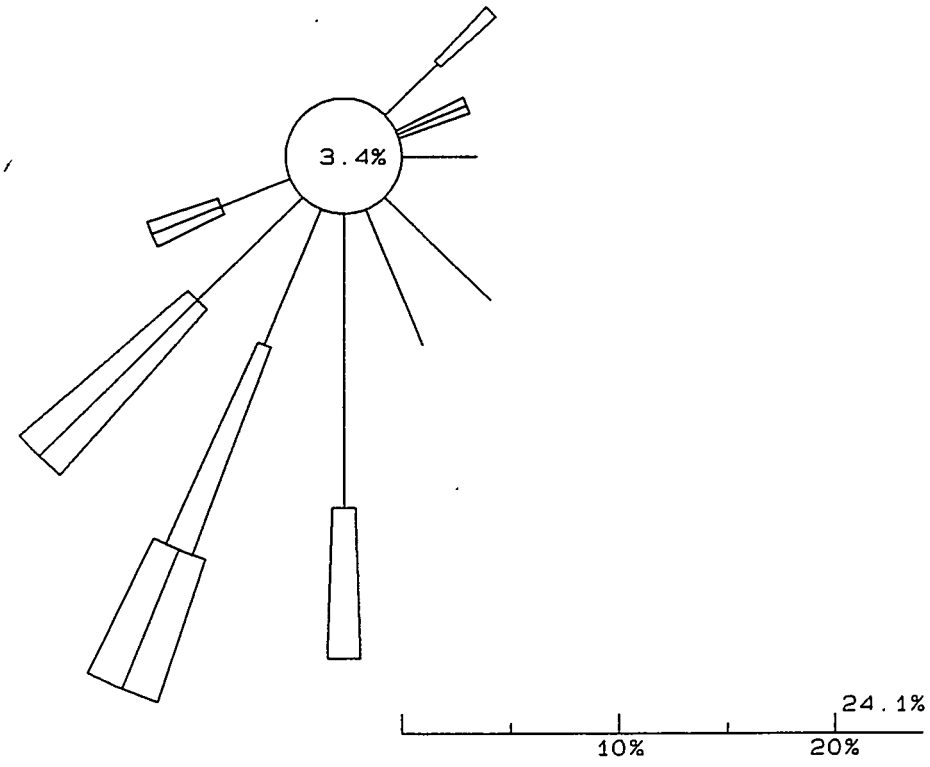

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

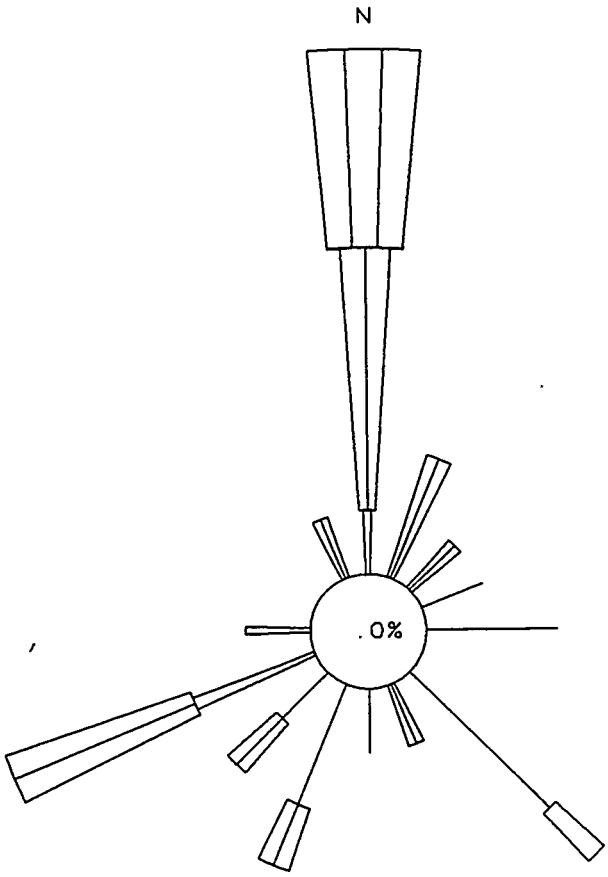



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | 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 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



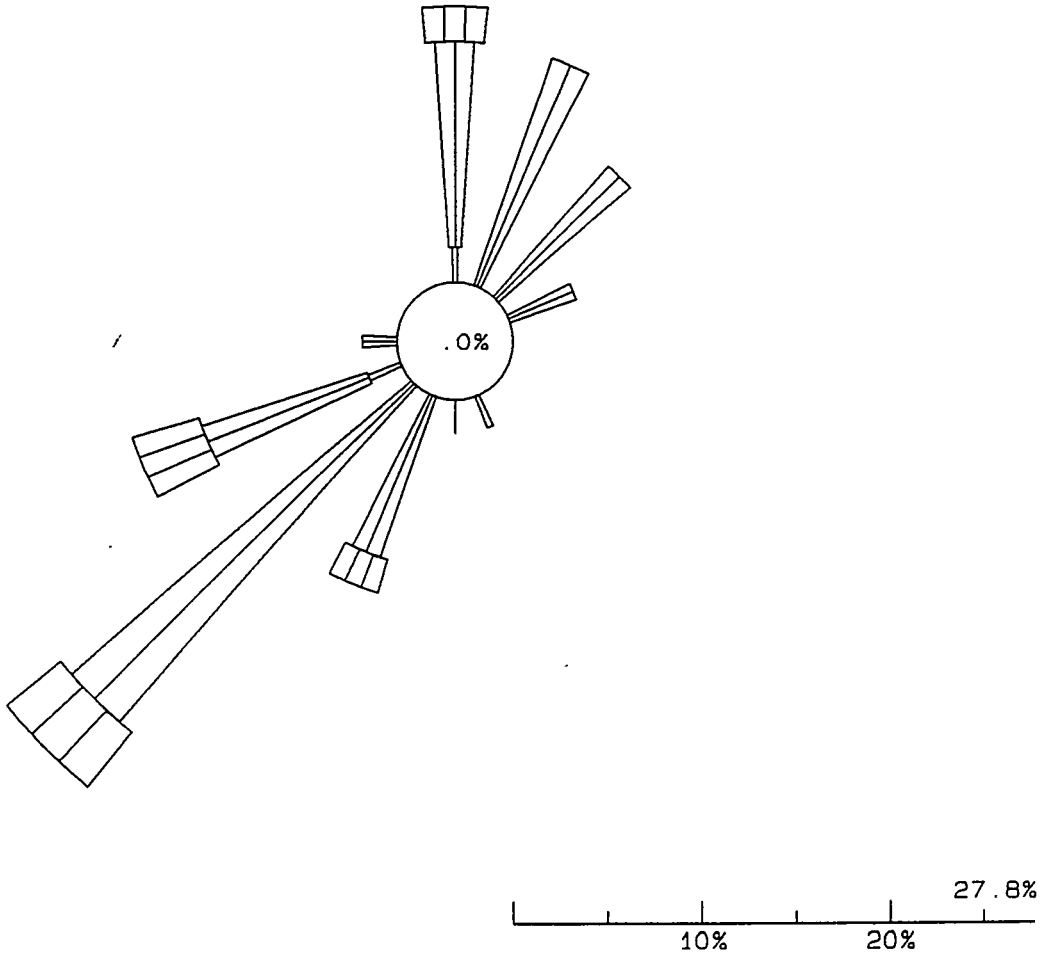

25.0%
10%
20%

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 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



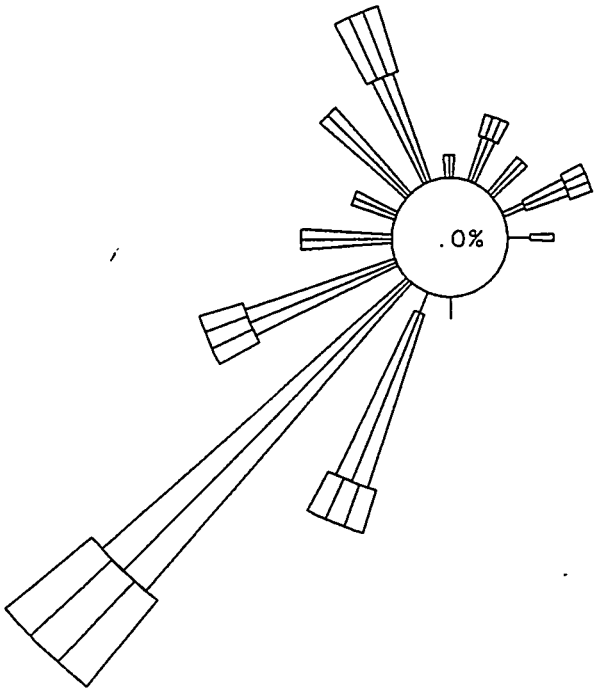

WIND SPEED CLASSES (MPS)

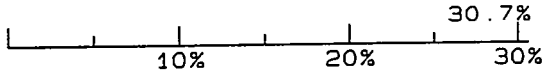
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

100.0% DATA RECOVERED
OF WHICH 7.5% IS
REPORTED ABOVE

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

N



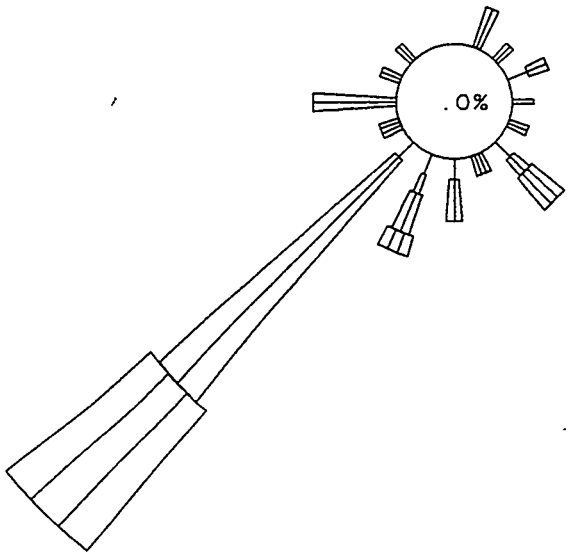

WIND SPEED CLASSES (MPS)

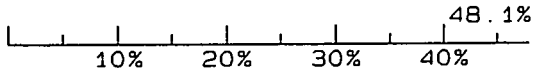
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

100.0% DATA RECOVERED
OF WHICH 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



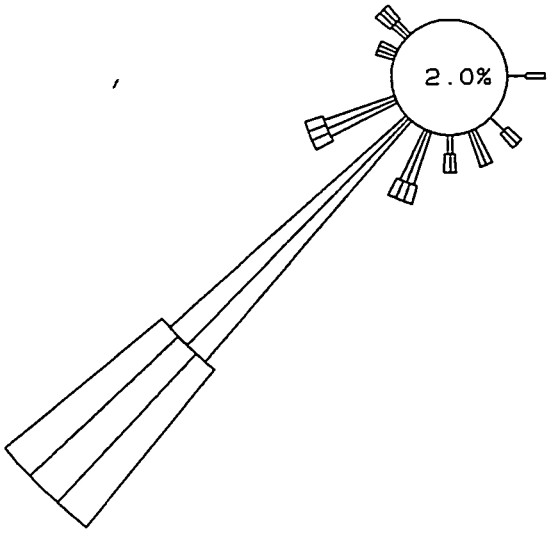

WIND SPEED CLASSES (MPS)

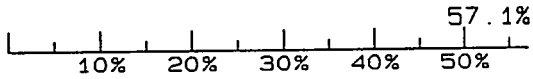
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

100.0% DATA RECOVERED
OF WHICH 7.2% 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



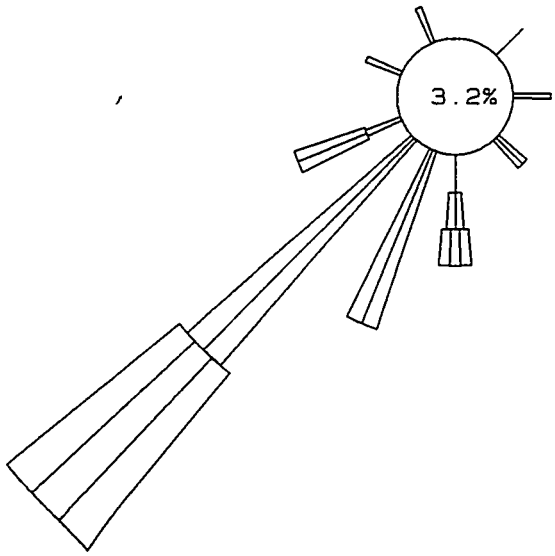

WIND SPEED CLASSES (MPS)

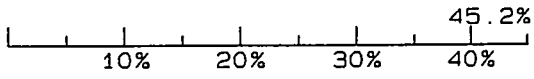
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

96.9% DATA RECOVERED
OF WHICH 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



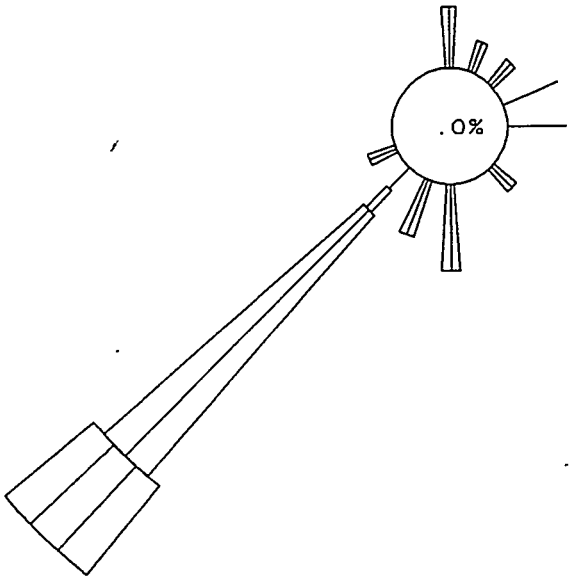



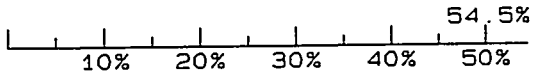

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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



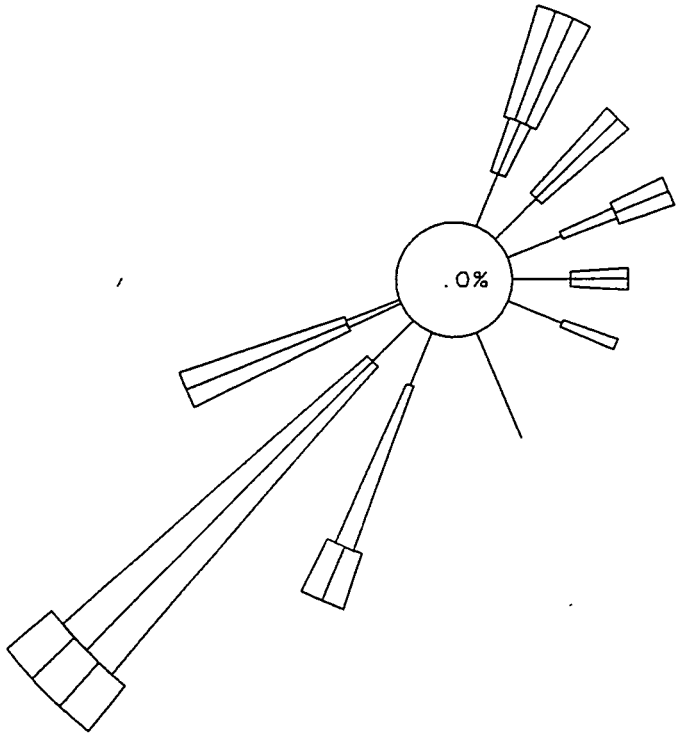




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 0 | 1.8< WS <= 3.3 |
| 3 | 0 | 3.3< WS <= 5.4 |
| 4 | 0 | 5.4< WS <= 8.5 |
| 5 | 0 | 8.5< WS <=10.8 |
| 6 | 0 | 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



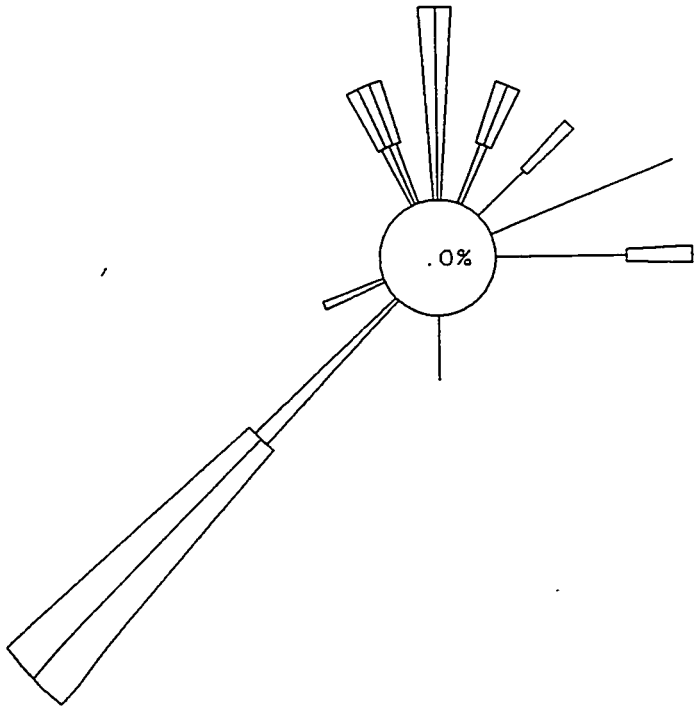

WIND SPEED CLASSES (MPS)

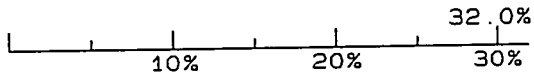
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

96.8% 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



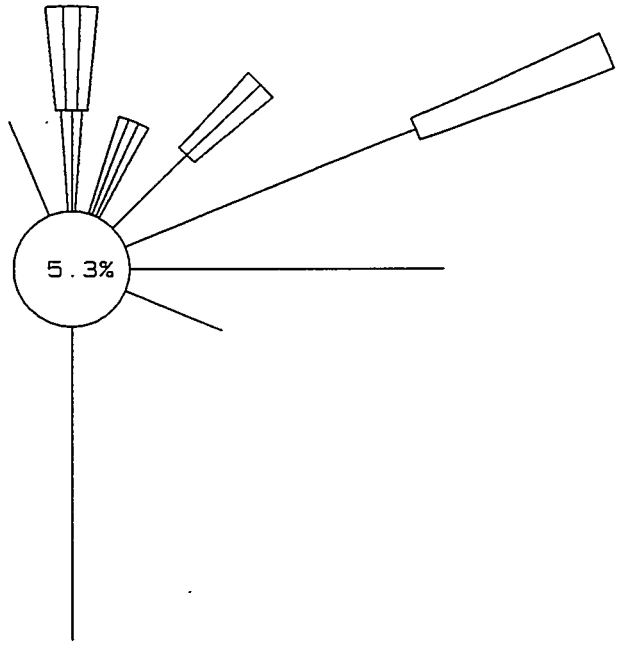

WIND SPEED CLASSES (MPS)

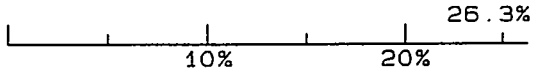
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

63.6% DATA RECOVERED
OF WHICH 5.5% IS
REPORTED ABOVE

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

N



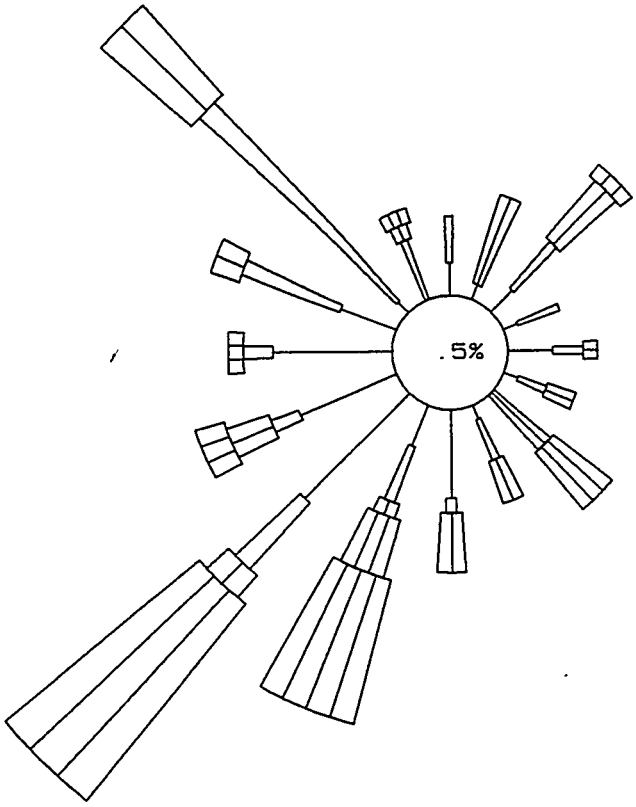

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

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



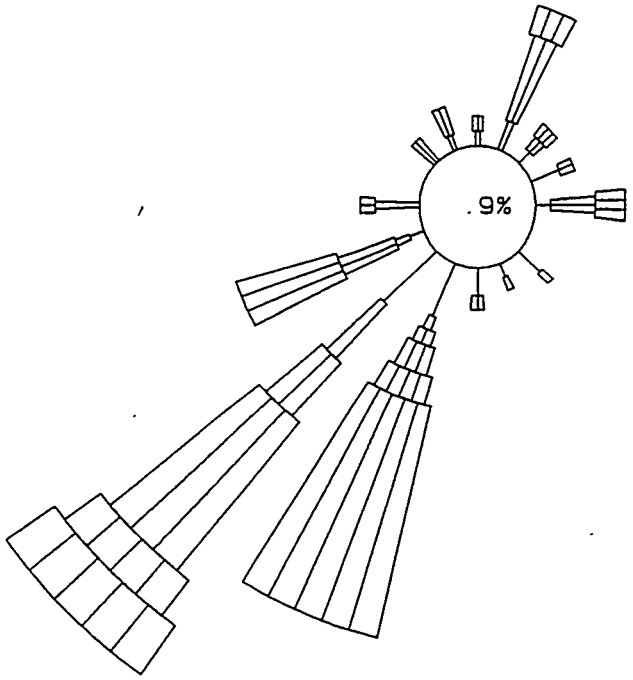

17.9%
10%

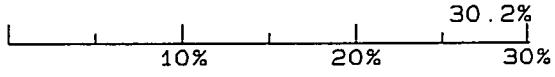
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

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



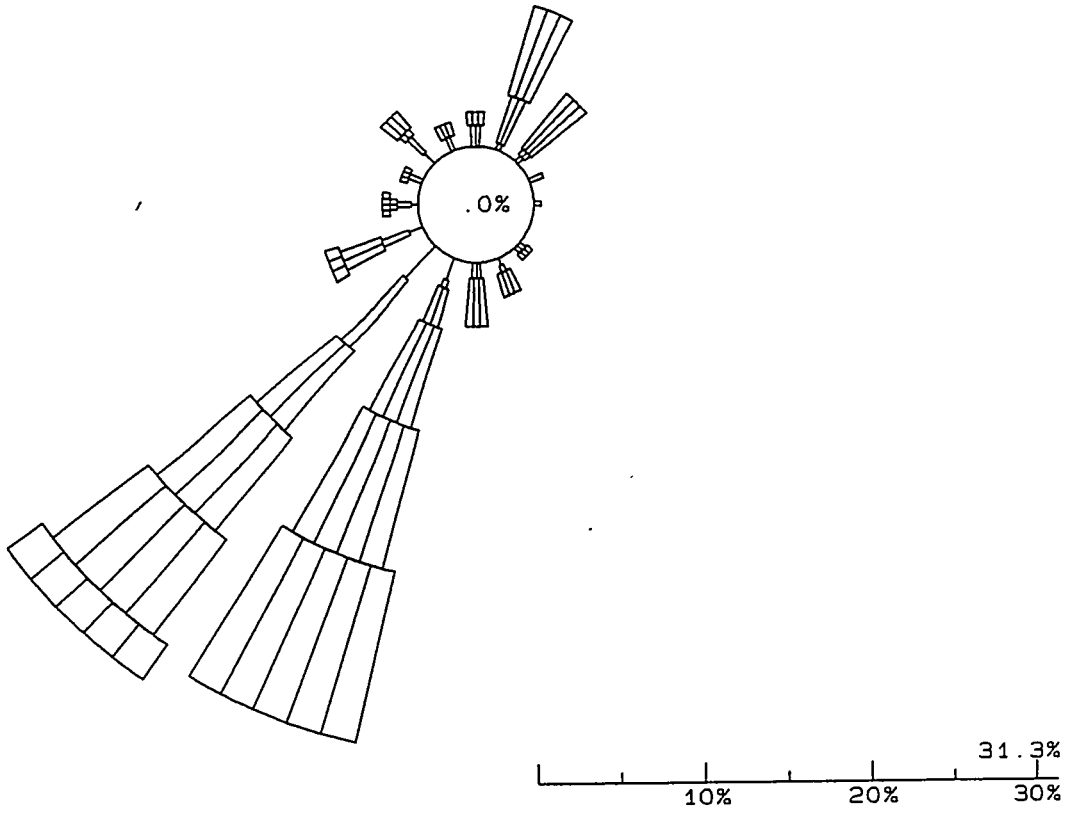




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



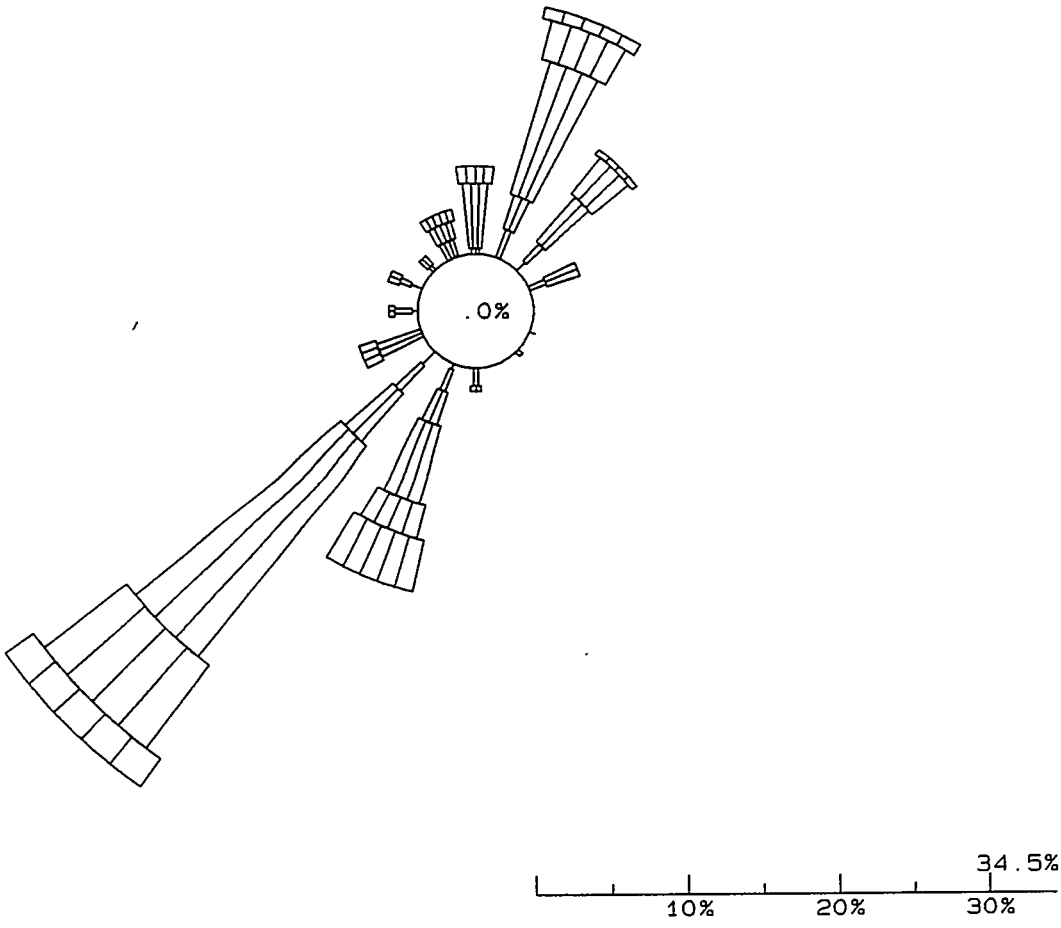

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 0 | 1.8< WS <= 3.3 |
| 3 | 00 | 3.3< WS <= 5.4 |
| 4 | 000 | 5.4< WS <= 8.5 |
| 5 | 0000 | 8.5< WS <=10.8 |
| 6 | 00000 | 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

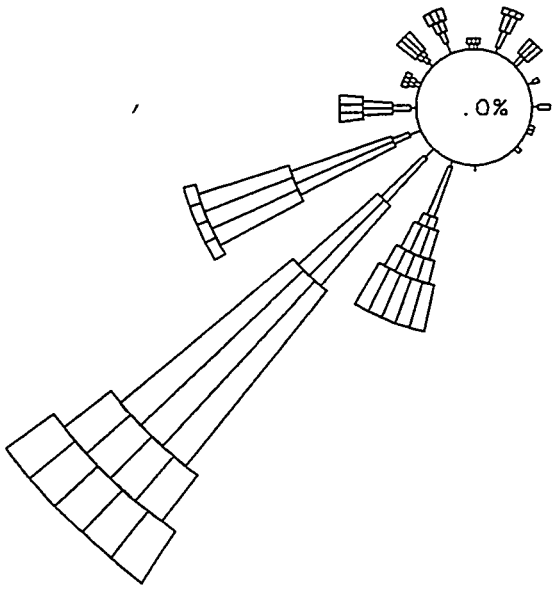


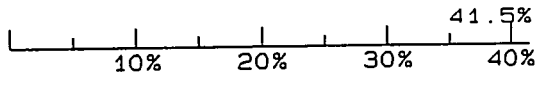

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 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 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



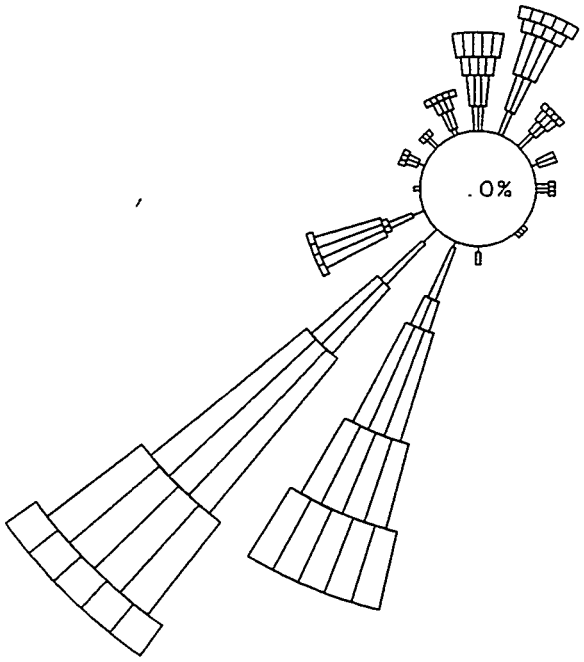

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



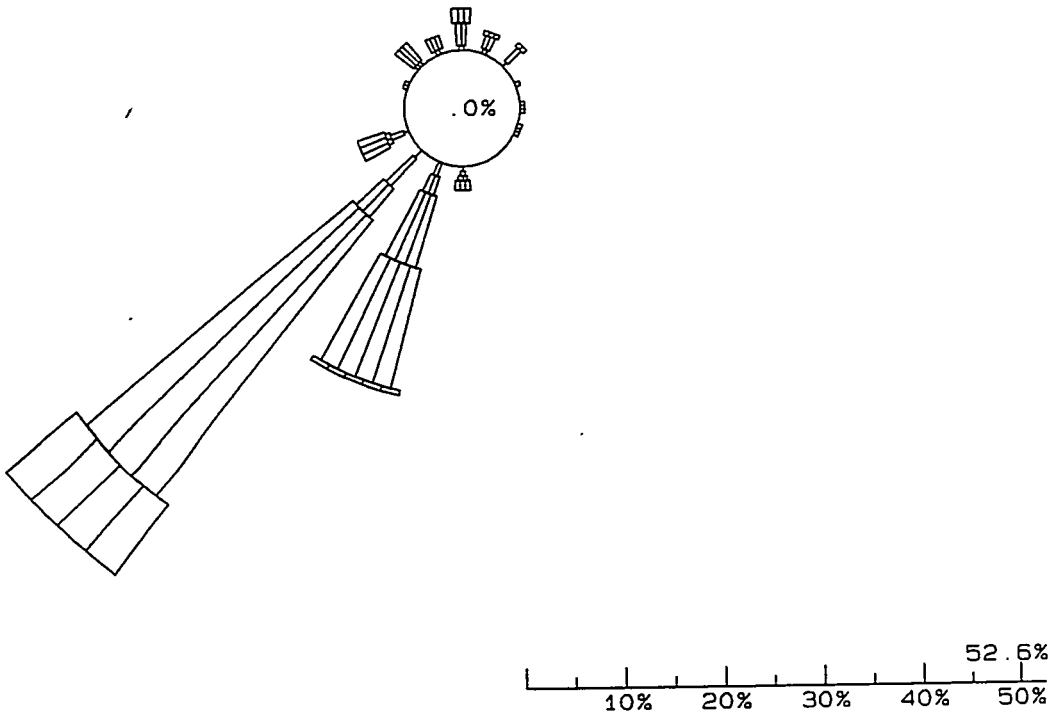

35.6%
10% 20% 30%

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 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



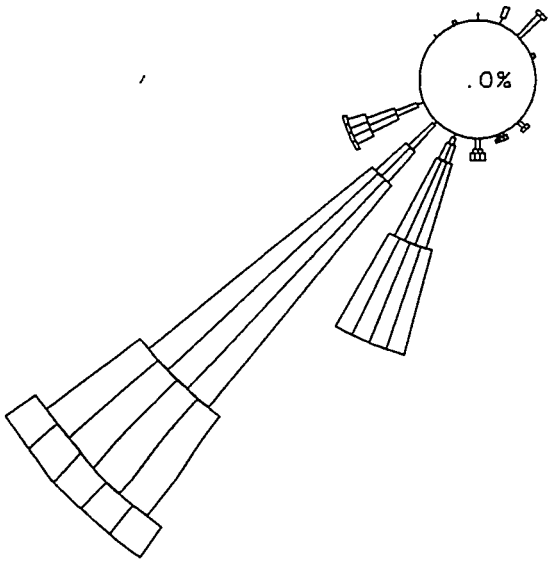

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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
8 METER HEIGHT - Total Hours
8/ 1/1995 - 8/31/1995
0 - 2400

N




55.5%
10% 20% 30% 40% 50%

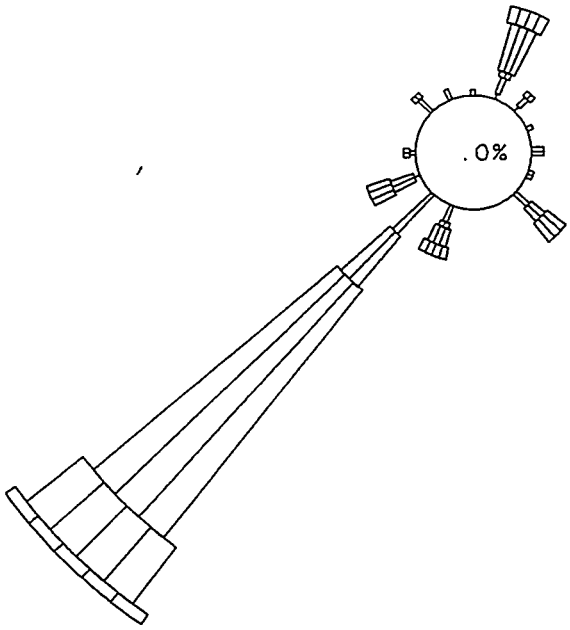
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



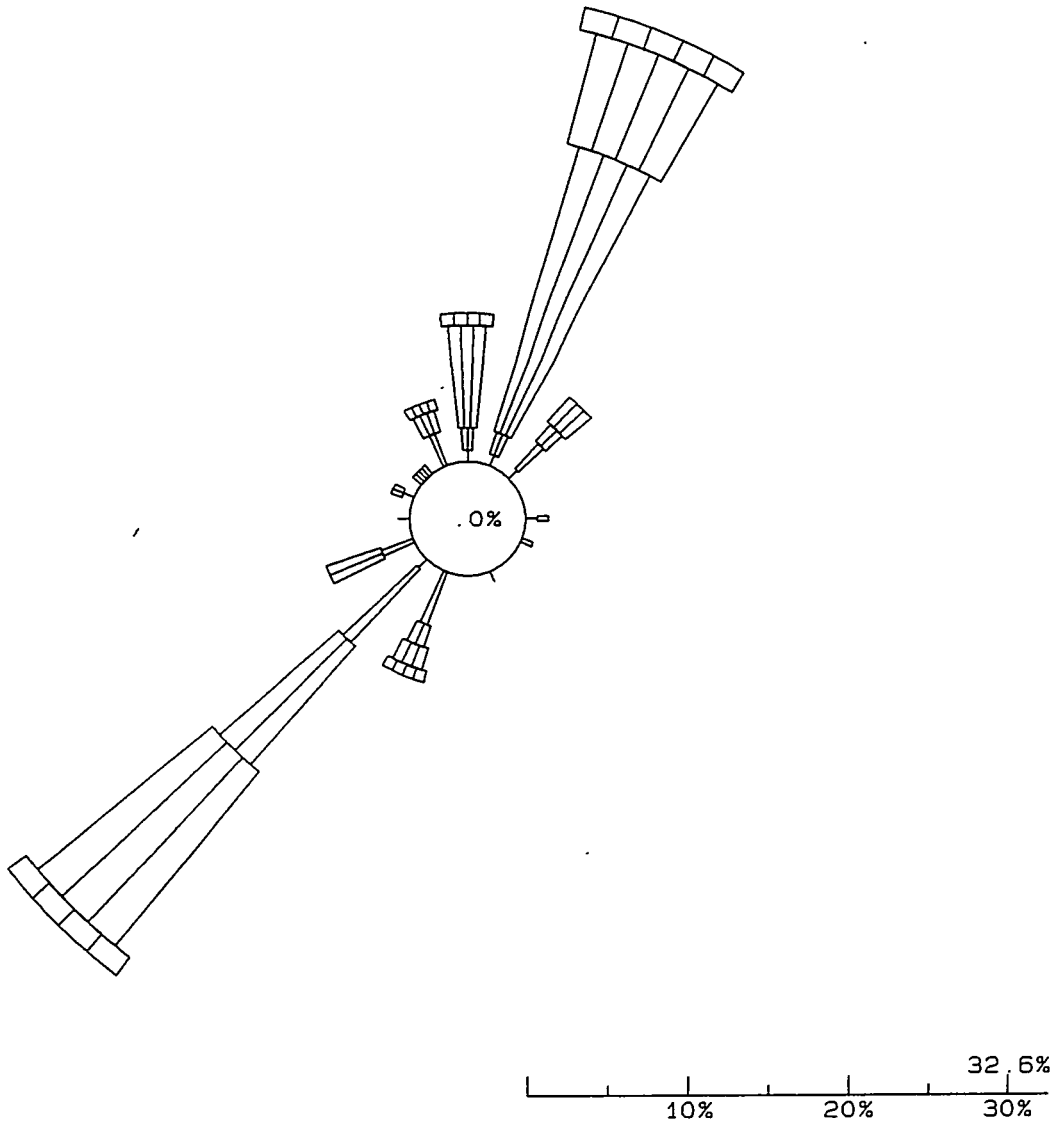

58.8%
10% 20% 30% 40% 50%

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 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



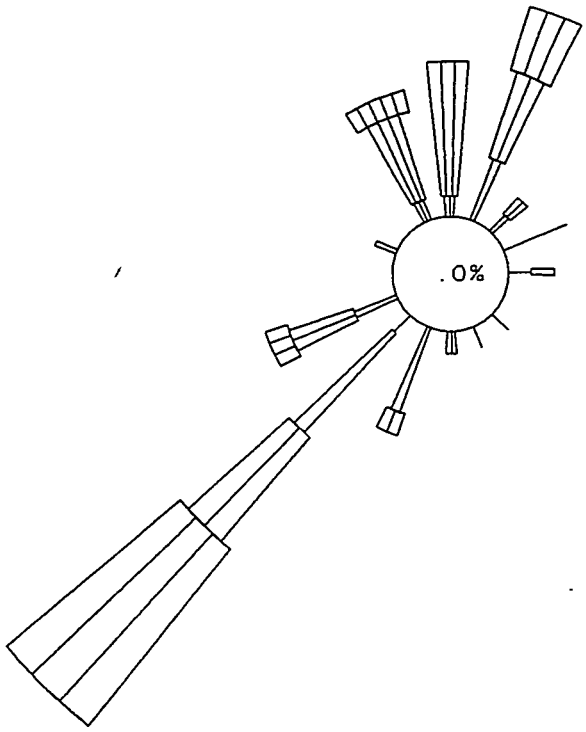

WIND SPEED CLASSES (MPS)

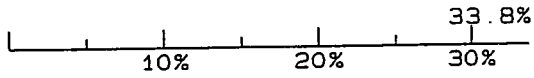
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | I | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 3.3 |
| 3 | □□ | 3.3< WS <= 5.4 |
| 4 | □□□ | 5.4< WS <= 8.5 |
| 5 | □□□□ | 8.5< WS <=10.8 |
| 6 | □□□□□ | 10.8< WS |

96.8% 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



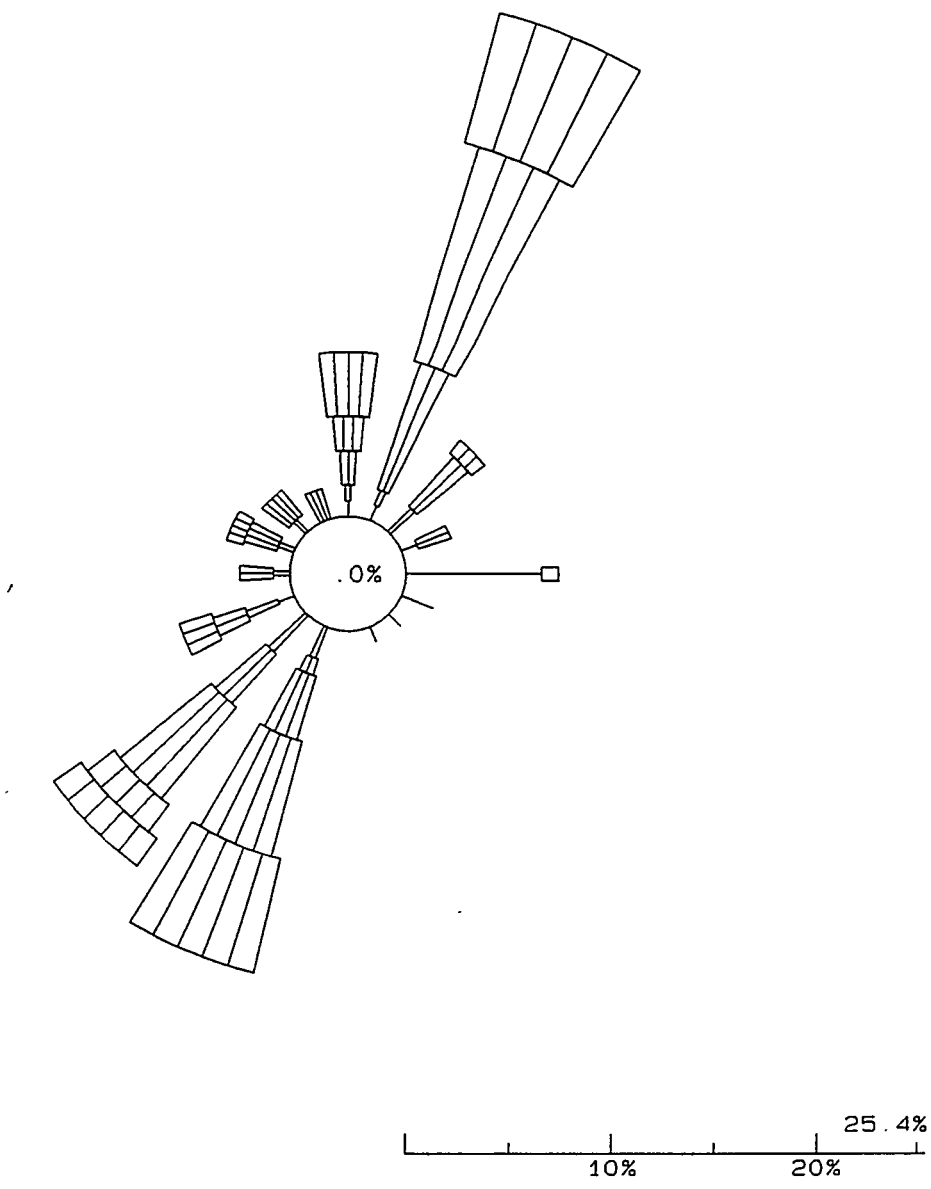




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 2 | 1.8< WS <= 3.3 |
| 3 | 3 | 3.3< WS <= 5.4 |
| 4 | 4 | 5.4< WS <= 8.5 |
| 5 | 5 | 8.5< WS <=10.8 |
| 6 | 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



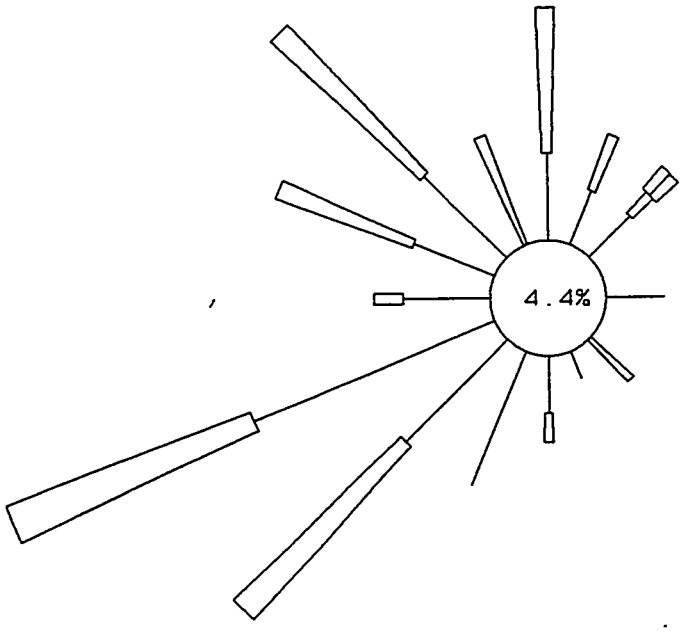

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



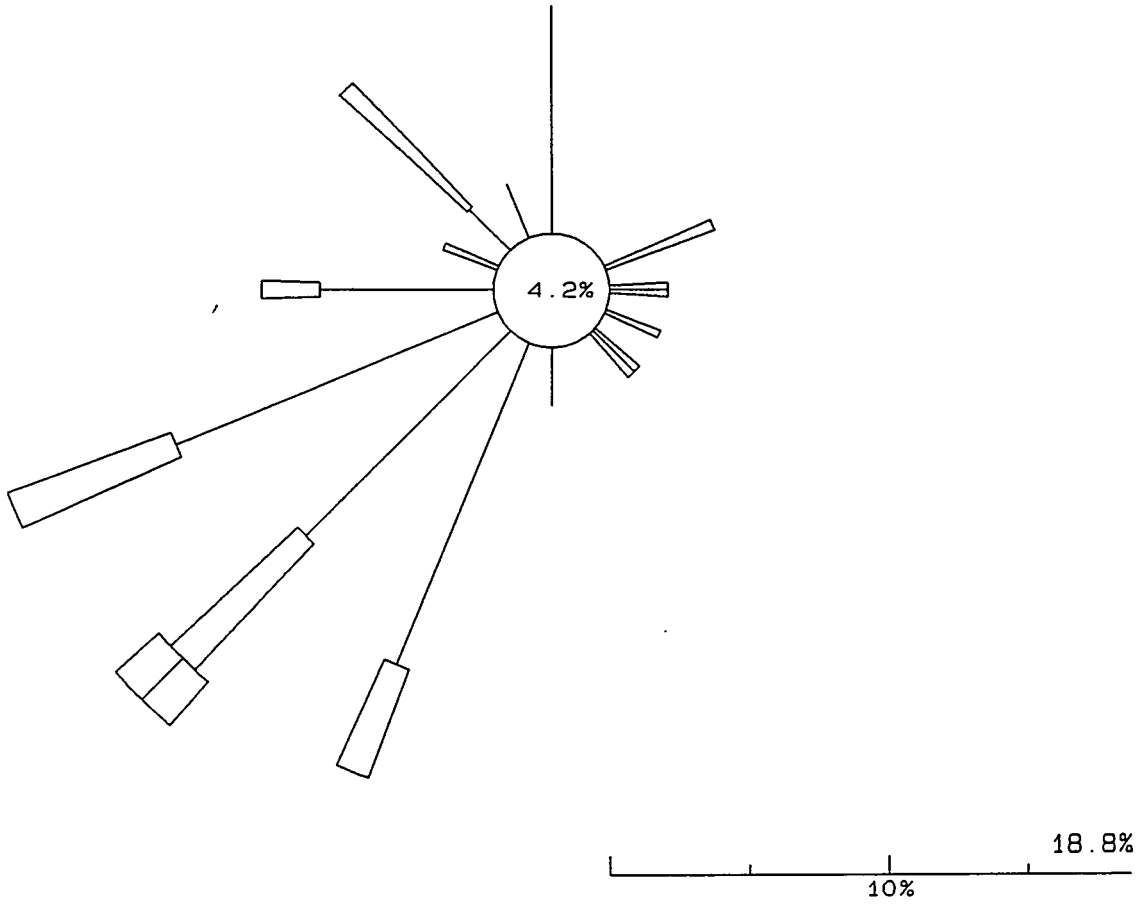

19.8%
10%

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 |

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

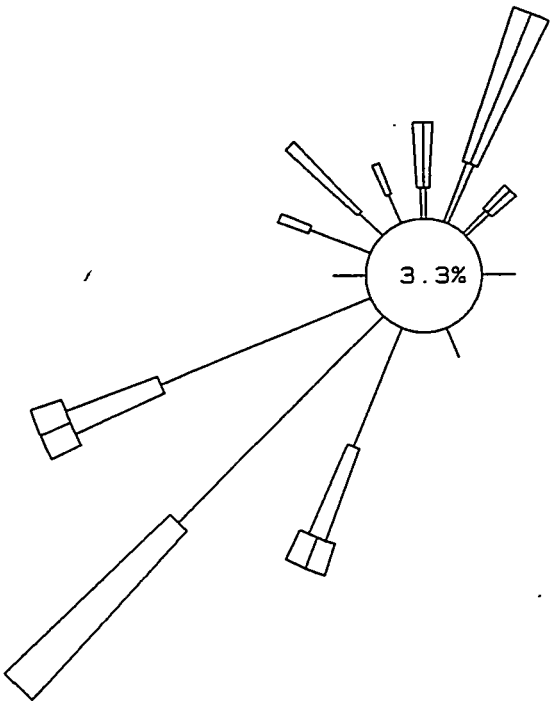



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 7.1% 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

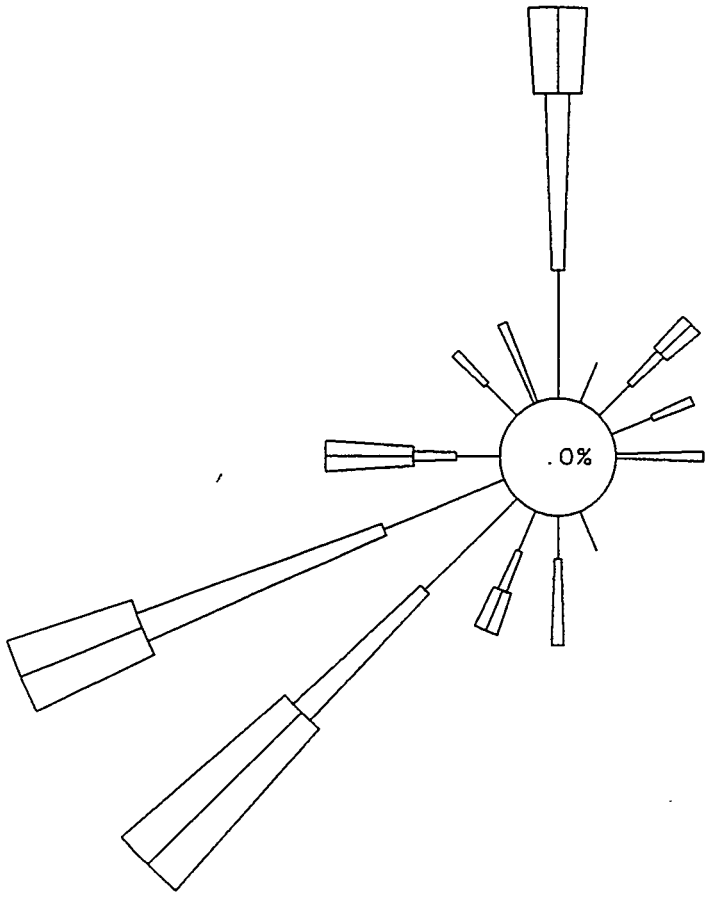


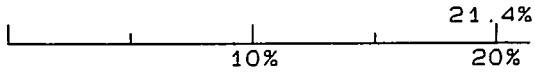

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



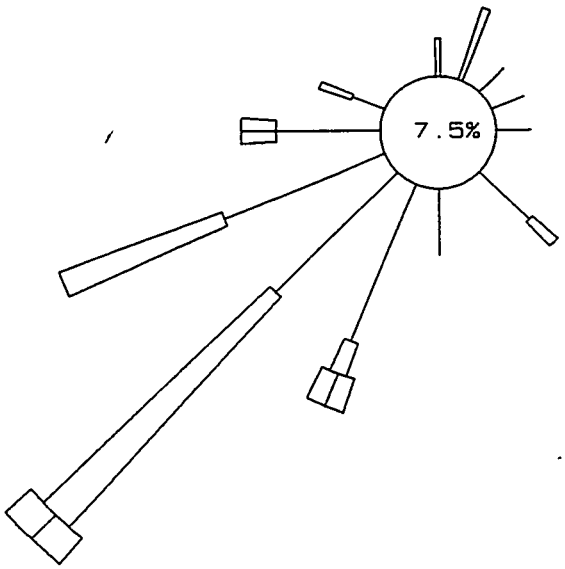

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 7.8% 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




28.3%
10%
20%

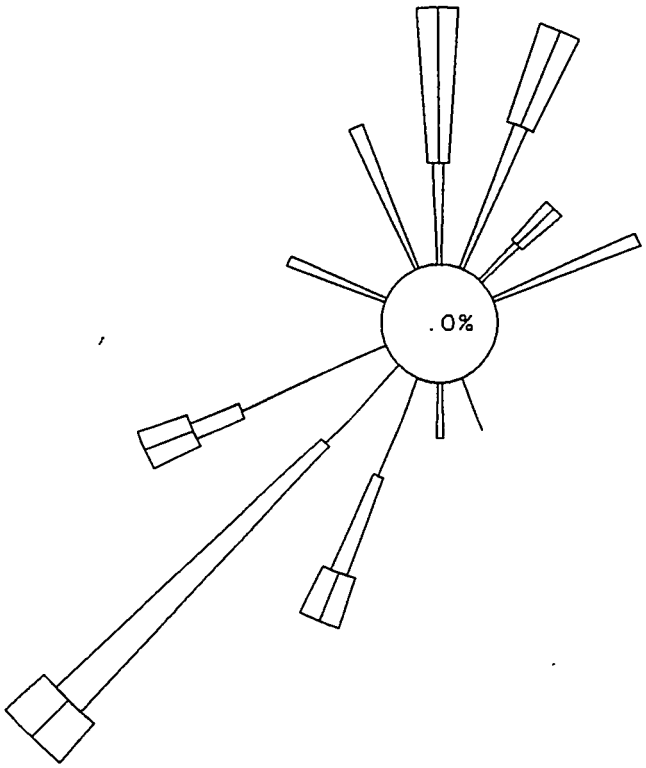
WIND SPEED CLASSES (MPS)

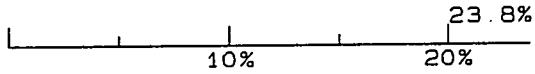
| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 3.3 |
| 3 | ▫▫ | 3.3< WS <= 5.4 |
| 4 | ▫▫▫ | 5.4< WS <= 8.5 |
| 5 | ▫▫▫▫ | 8.5< WS <=10.8 |
| 6 | ▫▫▫▫▫ | 10.8< WS |

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



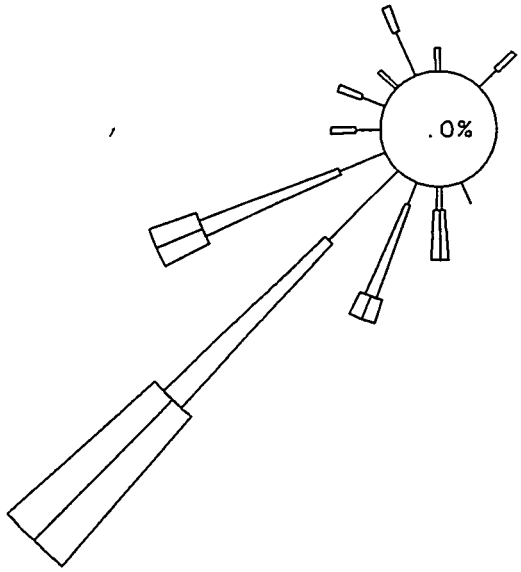



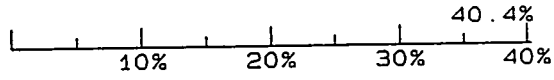

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 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 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



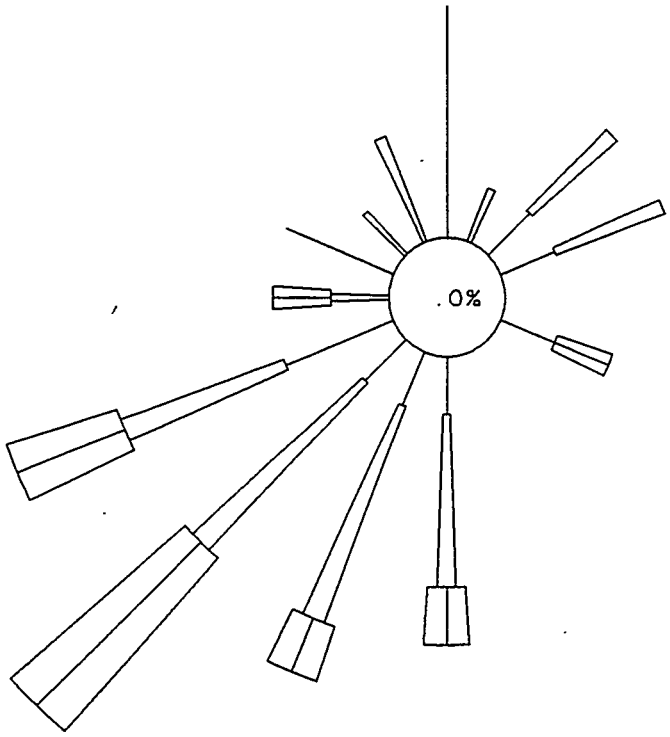

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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




19.1%
10%

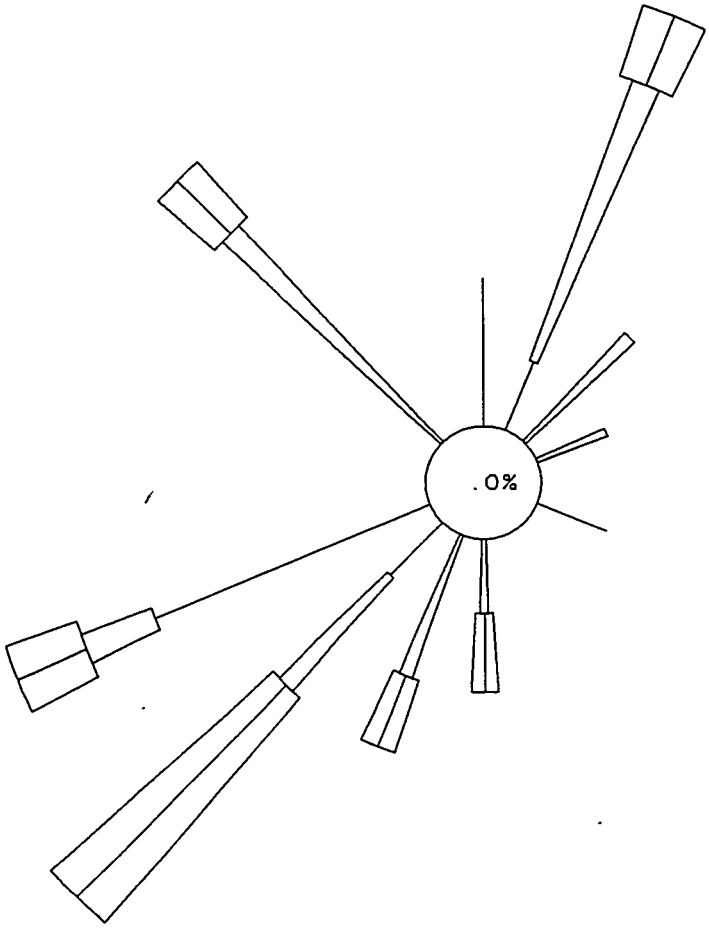
WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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



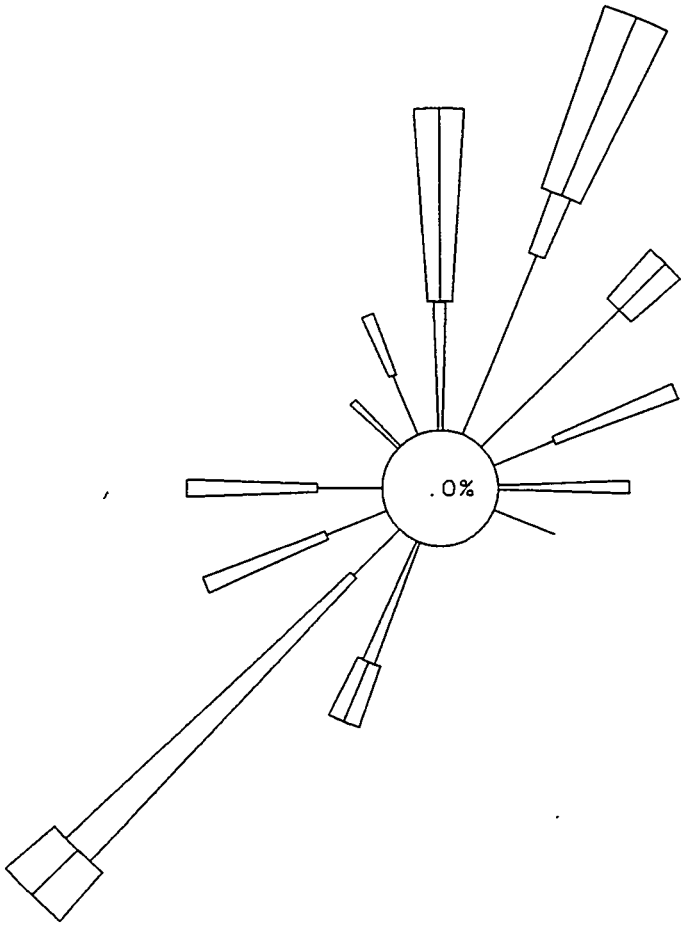

20.0%
10%
20%

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | 0 | WS <= .5 |
| 1 | 1 | .5< WS <= 1.8 |
| 2 | 2 | 1.8< WS <= 3.3 |
| 3 | 3 | 3.3< WS <= 5.4 |
| 4 | 4 | 5.4< WS <= 8.5 |
| 5 | 5 | 8.5< WS <=10.8 |
| 6 | 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

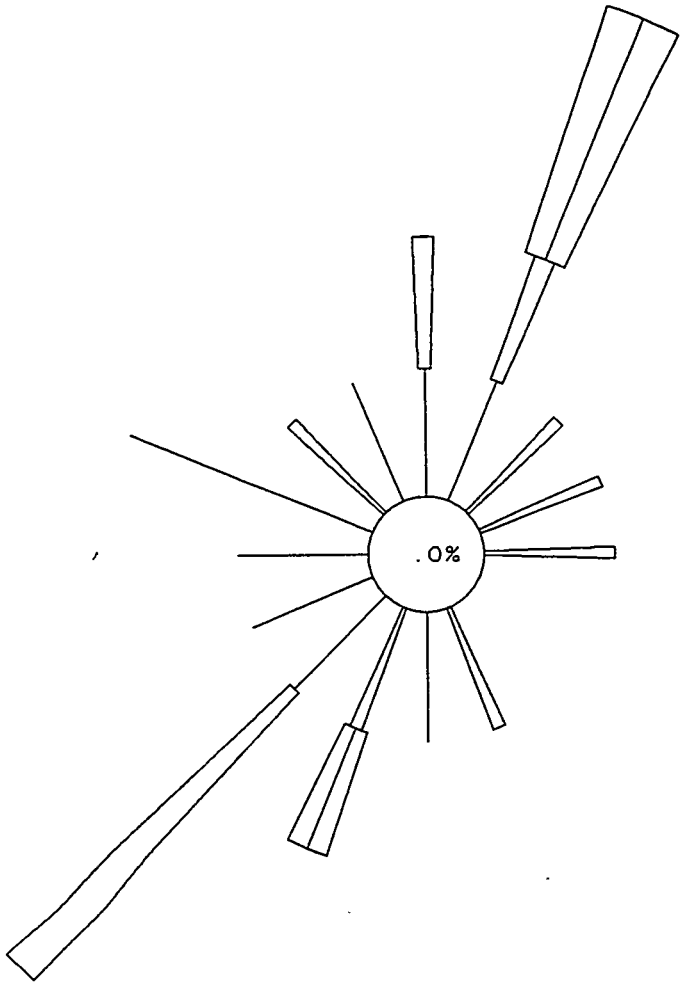


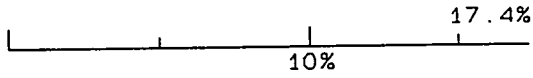

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 |

96.8% 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



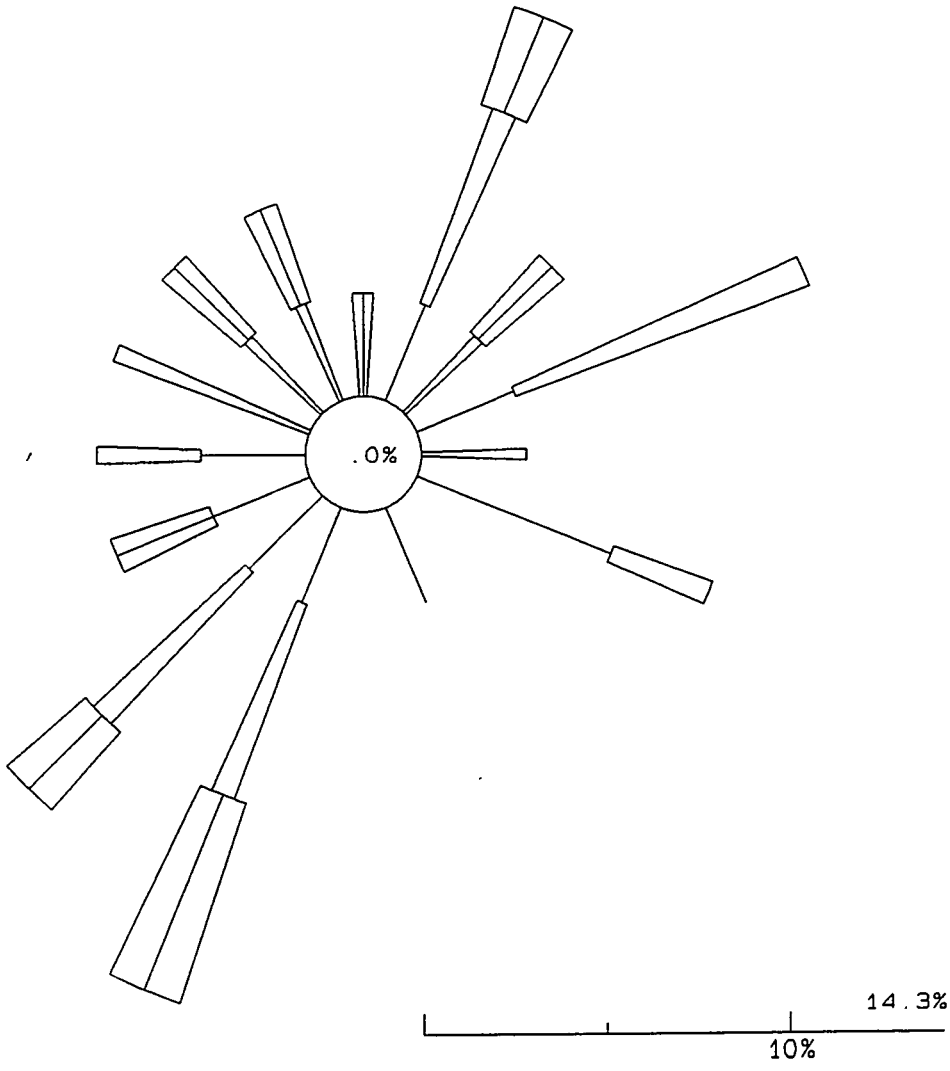




WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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

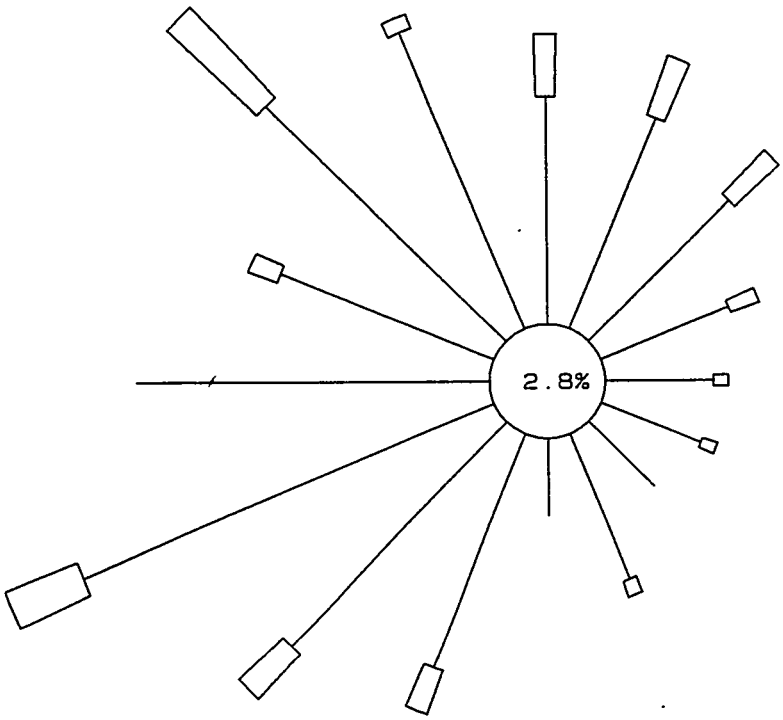



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

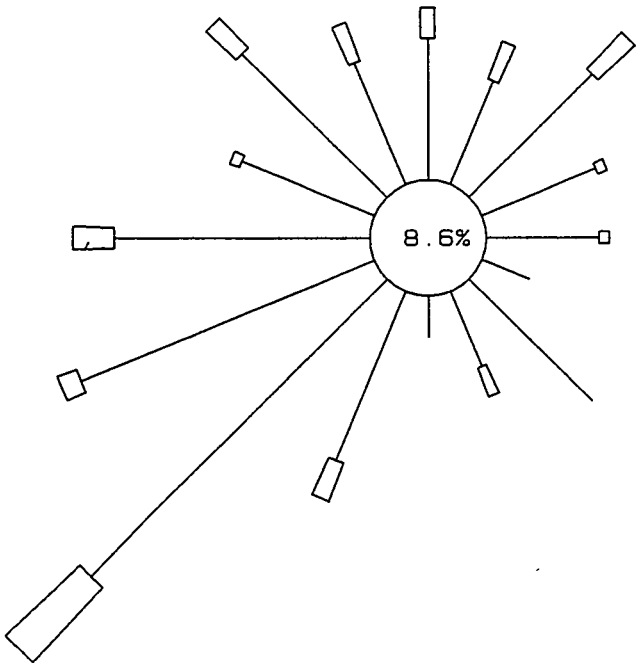



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 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

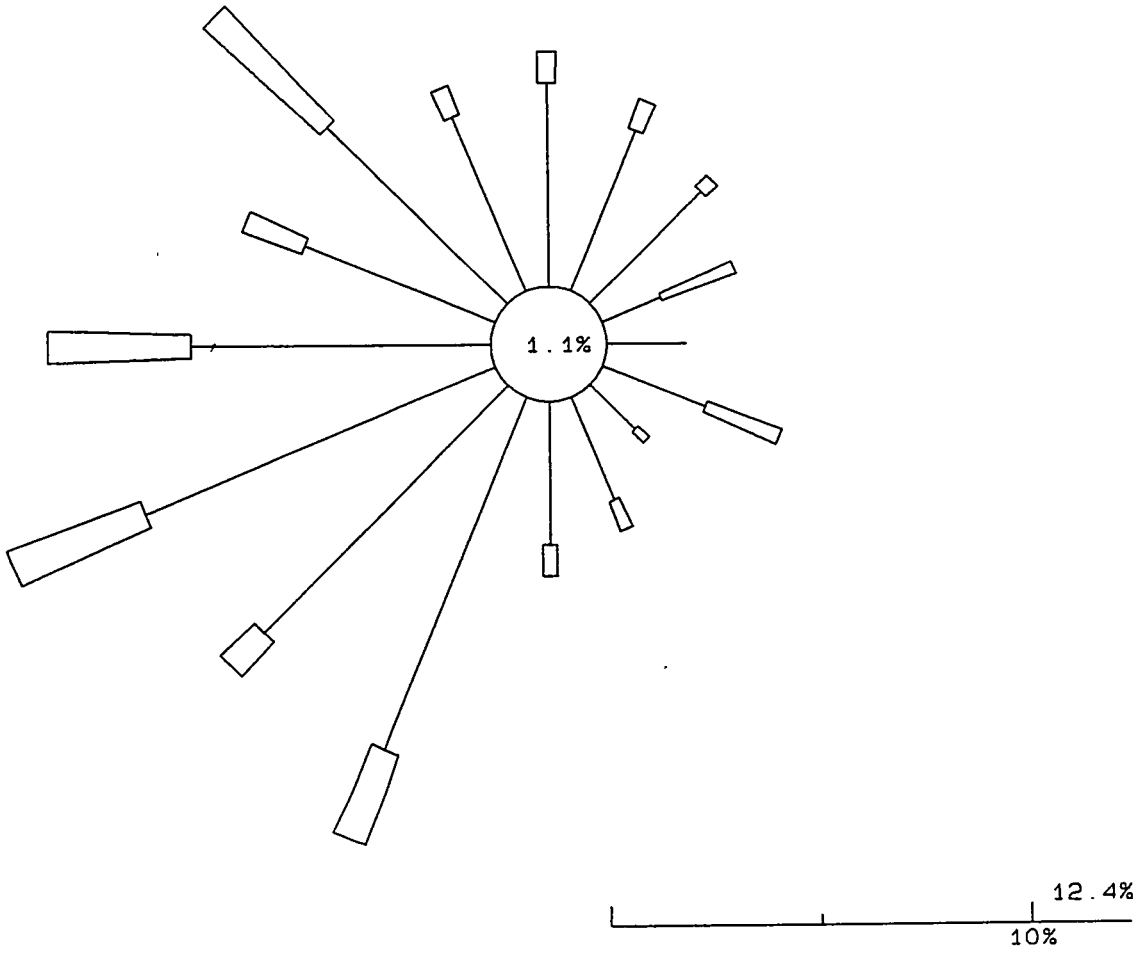



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

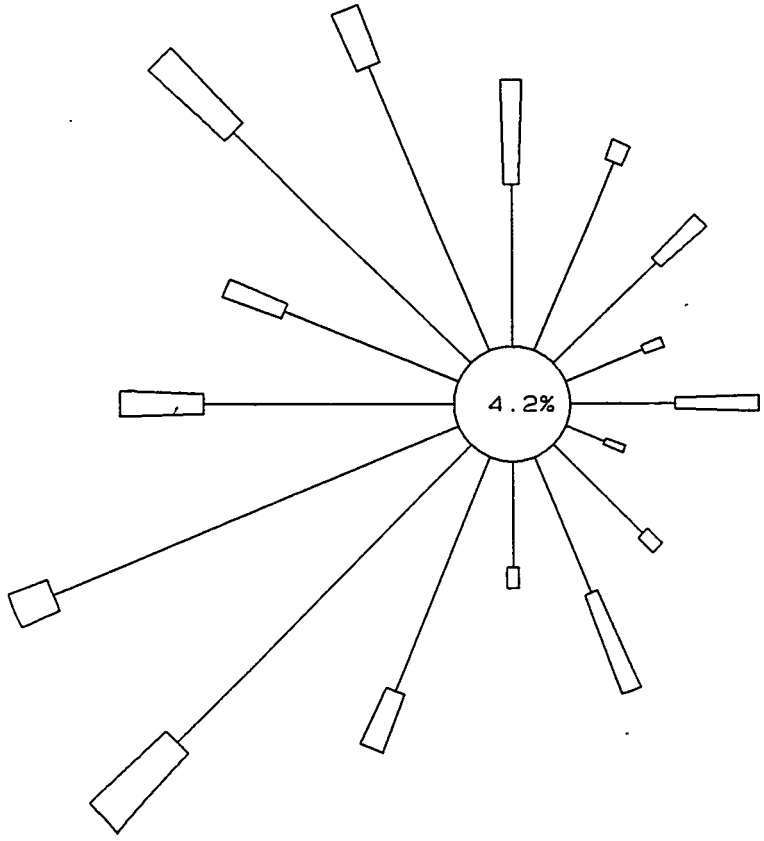



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



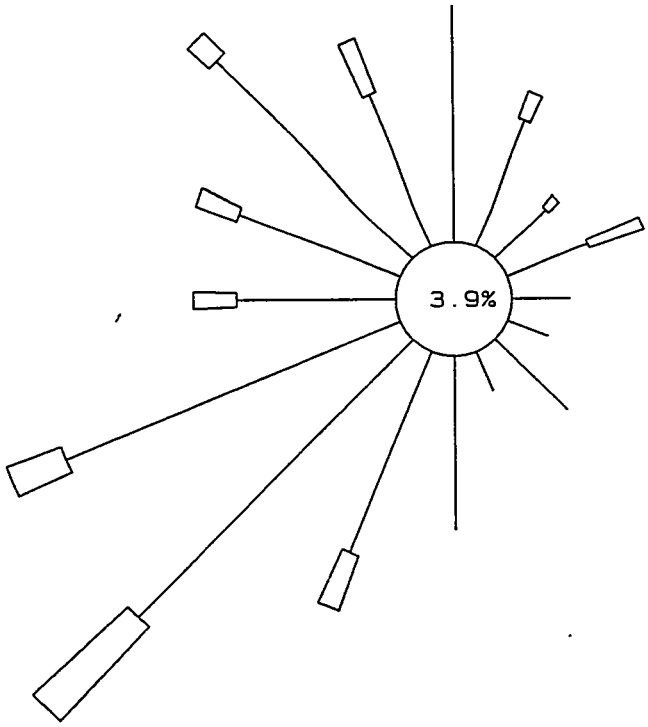

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 29.9% 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



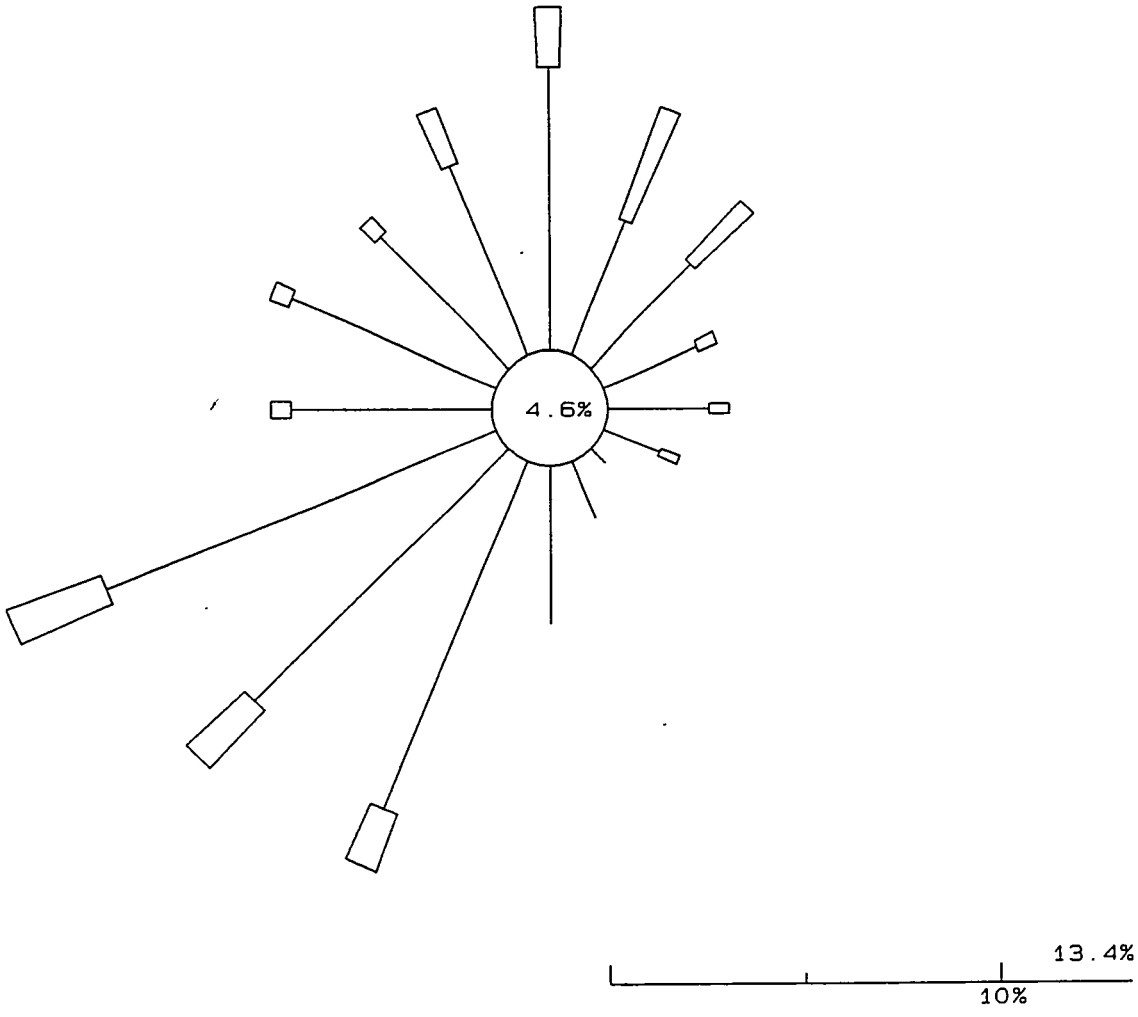

15.7%
10%

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 |

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

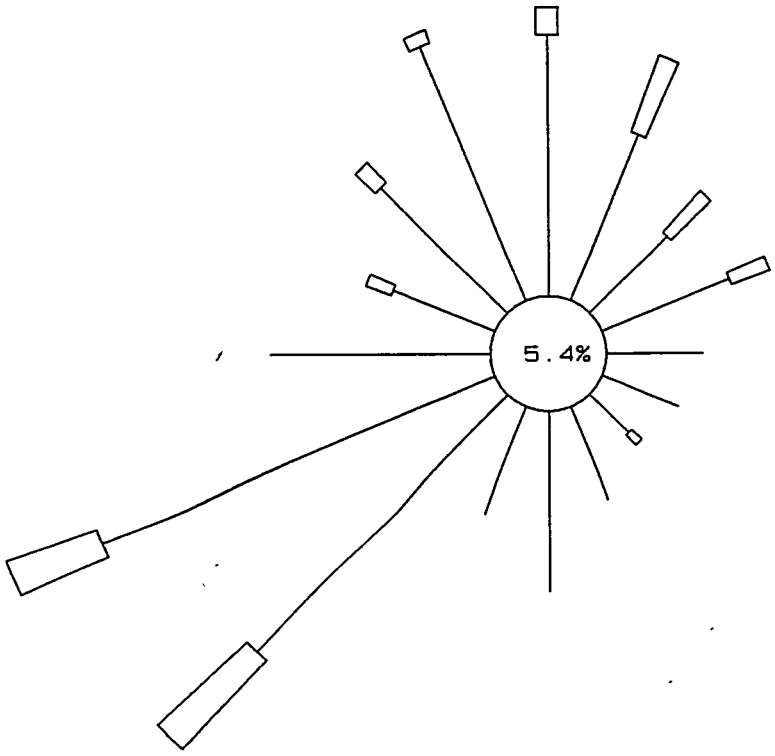



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 26.9% 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

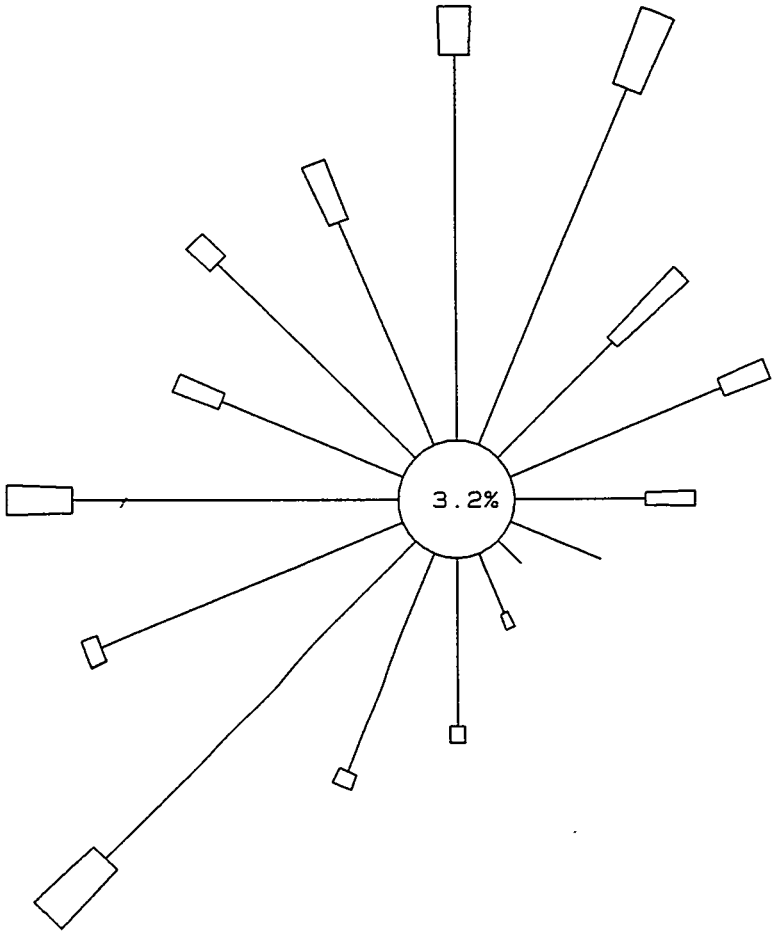



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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

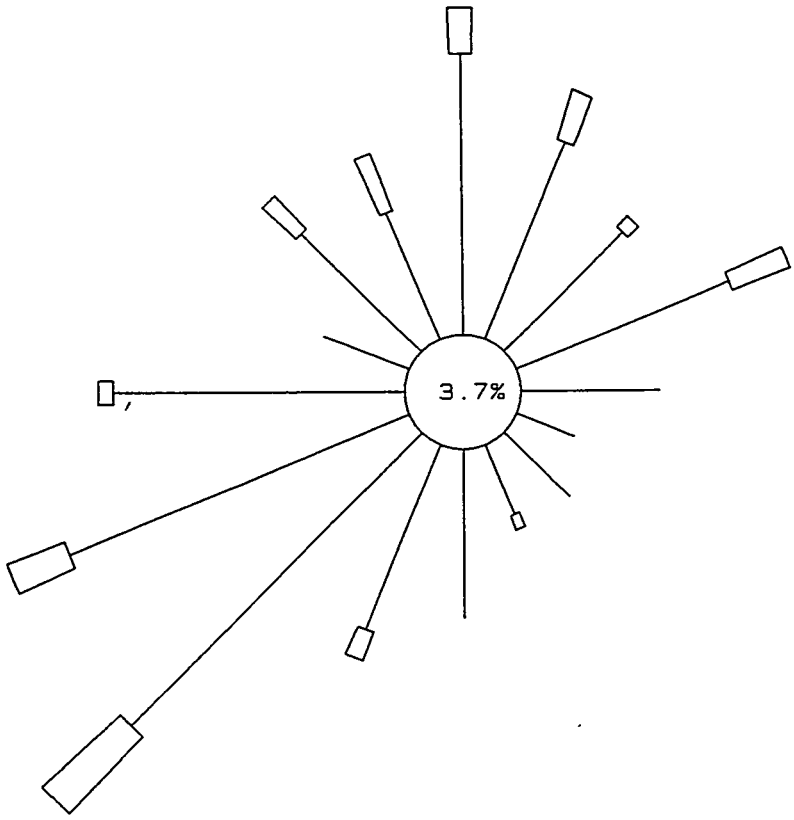



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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 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



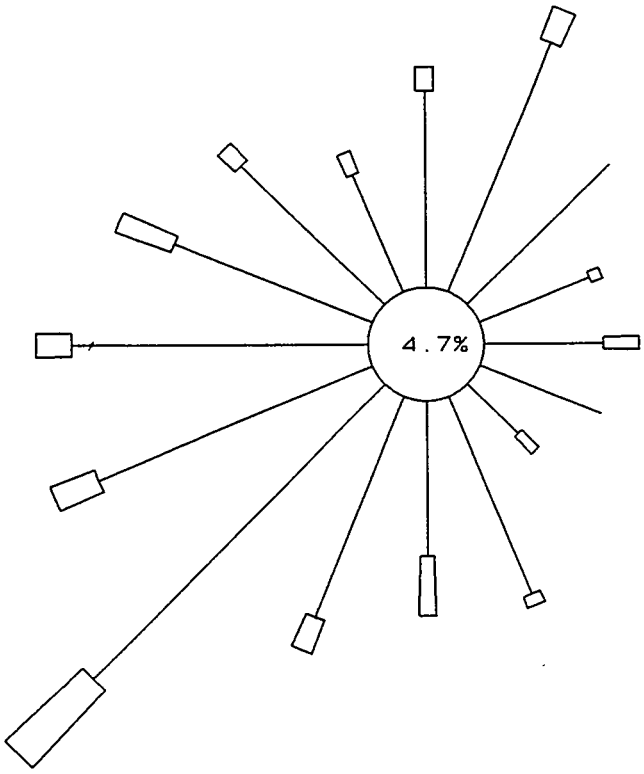

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| 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



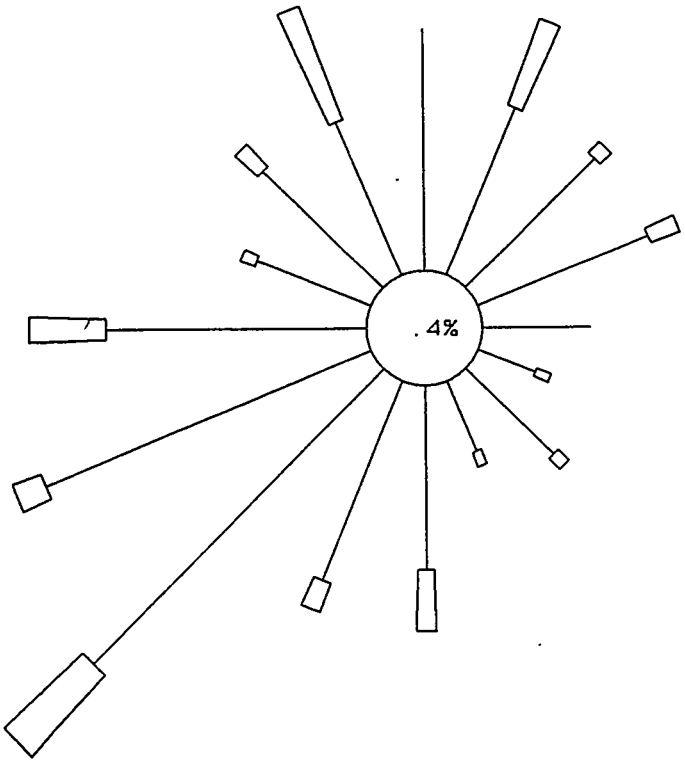

13.1%
10%

WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | ▫ | 1.8< WS <= 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

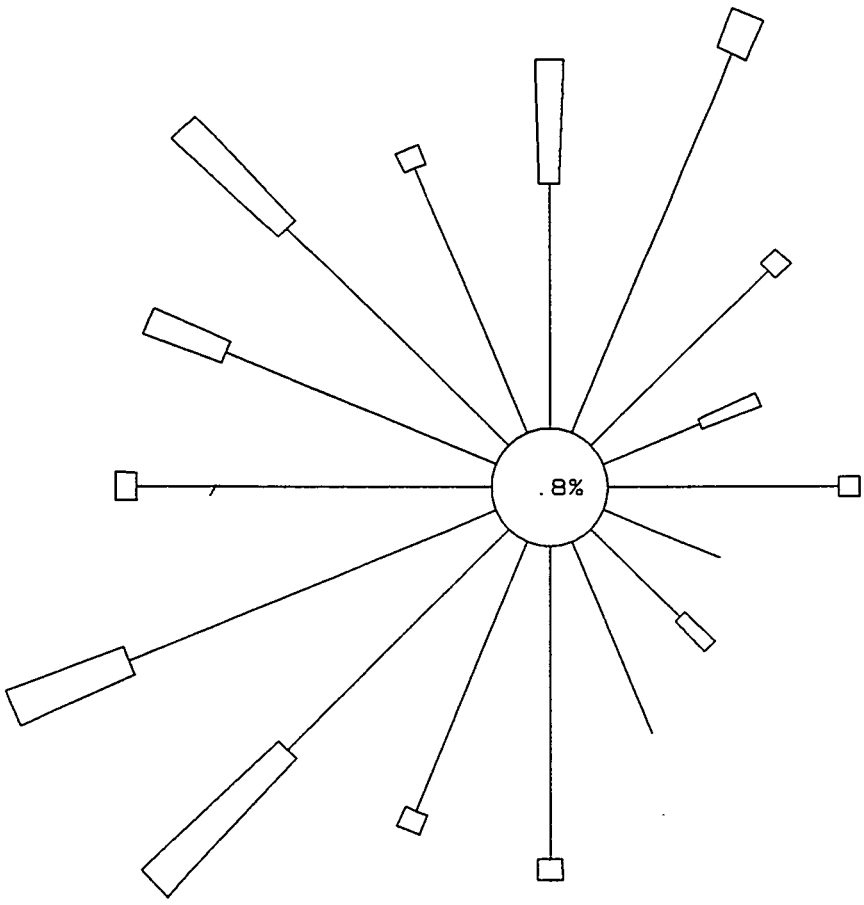



WIND SPEED CLASSES (MPS)

| | | |
|---|---|---|
| CALM | o | WS <= .5 |
| 1 | ı | .5< WS <= 1.8 |
| 2 | □ | 1.8< WS <= 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




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 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 5.1 | .5 | .8 | .0 | .0 | .0 | 6.5 | 1.6 | NNE |
| NE | 3 | 3.2 | 1.6 | .5 | .0 | .0 | .0 | 5.4 | 1.7 | NE |
| ENE | 4 | 3.0 | .3 | .1 | .0 | .0 | .0 | 3.4 | 1.3 | ENE |
| E | 5 | 4.3 | 1.1 | .0 | .0 | .0 | .0 | 5.4 | 1.3 | E |
| ESE | 6 | 2.7 | .5 | .4 | .0 | .0 | .0 | 3.6 | 1.7 | ESE |
| SE | 7 | 3.9 | .8 | 1.1 | .1 | .0 | .0 | 5.9 | 1.9 | SE |
| SSE | 8 | 1.5 | .8 | .4 | .0 | .0 | .0 | 2.7 | 1.7 | SSE |
| S | 9 | 3.2 | .7 | .3 | .0 | .0 | .0 | 4.2 | 1.4 | S |
| SSW | 10 | 5.1 | .5 | .4 | 1.2 | .7 | .0 | 7.9 | 3.0 | SSW |
| SW | 11 | 8.2 | .7 | .8 | 1.9 | .0 | .0 | 11.6 | 2.3 | SW |
| WSW | 12 | 6.7 | .5 | .5 | .1 | .0 | .0 | 7.9 | 1.4 | WSW |
| W | 13 | 4.8 | .3 | .1 | .1 | .0 | .0 | 5.4 | 1.4 | W |
| WNW | 14 | 5.0 | 1.6 | .3 | .0 | .0 | .0 | 6.9 | 1.5 | WNW |
| NW | 15 | 4.6 | 3.9 | .5 | .0 | .0 | .0 | 9.0 | 1.8 | NW |
| NNW | 16 | 4.4 | .9 | .1 | .1 | .0 | .0 | 5.6 | 1.5 | NNW |
| 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)

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 2.7 | 2.2 | 1.6 | 1.7 | .0 | .0 | 8.2 | 3.1 | NNE |
| NE | 3 | 2.2 | .7 | .4 | 1.1 | .0 | .0 | 4.3 | 2.8 | NE |
| ENE | 4 | 1.9 | .4 | .0 | .0 | .0 | .0 | 2.3 | 1.3 | ENE |
| E | 5 | 3.4 | .1 | .0 | .0 | .0 | .0 | 3.5 | 1.1 | E |
| ESE | 6 | 1.6 | .4 | .0 | .0 | .0 | .0 | 2.0 | 1.4 | ESE |
| SE | 7 | 2.4 | .5 | .3 | .0 | .0 | .0 | 3.2 | 1.7 | SE |
| SSE | 8 | 3.2 | .5 | .4 | .0 | .0 | .0 | 4.2 | 1.7 | SSE |
| S | 9 | 3.6 | .8 | .7 | .4 | .1 | .0 | 5.6 | 2.2 | S |
| SSW | 10 | 6.2 | 1.3 | .7 | 3.2 | 3.6 | 2.3 | 17.3 | 5.6 | SSW |
| SW | 11 | 7.1 | 3.0 | 1.6 | 2.7 | 1.1 | .1 | 15.6 | 3.4 | SW |
| WSW | 12 | 5.0 | 1.2 | .9 | .0 | .0 | .0 | 7.1 | 1.8 | WSW |
| W | 13 | 3.5 | .9 | .0 | .1 | .0 | .0 | 4.6 | 1.5 | W |
| WNW | 14 | 4.2 | .3 | .1 | .0 | .0 | .0 | 4.6 | 1.4 | WNW |
| NW | 15 | 4.7 | .9 | .1 | .4 | .0 | .0 | 6.2 | 1.7 | NW |
| NNW | 16 | 2.8 | .4 | .3 | .1 | .0 | .0 | 3.6 | 1.7 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 1.6 | 1.5 | .5 | .1 | .0 | .0 | 3.8 | 2.3 | NNE |
| NE | 3 | 1.2 | .7 | .4 | .1 | .0 | .0 | 2.4 | 2.3 | NE |
| ENE | 4 | 3.2 | 1.3 | .4 | .0 | .0 | .0 | 5.0 | 1.6 | ENE |
| E | 5 | 2.6 | .4 | .1 | .0 | .0 | .0 | 3.1 | 1.3 | E |
| ESE | 6 | 2.4 | .3 | .0 | .0 | .0 | .0 | 2.7 | 1.2 | ESE |
| SE | 7 | 1.6 | .4 | .0 | .0 | .0 | .0 | 2.0 | 1.3 | SE |
| SSE | 8 | 2.3 | .1 | .0 | .0 | .0 | .0 | 2.4 | 1.0 | SSE |
| S | 9 | 3.9 | 1.2 | .1 | .0 | .0 | .0 | 5.2 | 1.5 | S |
| SSW | 10 | 5.1 | 2.6 | 2.8 | 1.5 | 1.1 | .7 | 13.7 | 3.9 | SSW |
| SW | 11 | 6.9 | 4.4 | 6.6 | 5.0 | 1.6 | .1 | 24.6 | 3.9 | SW |
| WSW | 12 | 5.0 | 1.2 | 3.0 | 1.5 | .0 | .0 | 10.6 | 2.8 | WSW |
| W | 13 | 2.4 | 1.5 | .8 | .5 | .0 | .0 | 5.2 | 2.4 | W |
| WNW | 14 | 2.6 | .9 | .4 | .1 | .0 | .0 | 4.0 | 1.9 | WNW |
| NW | 15 | 2.4 | .8 | .9 | .4 | .0 | .0 | 4.6 | 2.6 | NW |
| NNW | 16 | 2.7 | .9 | 1.2 | .3 | .0 | .0 | 5.1 | 2.4 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

WIND SPEED CLASS

| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 5.3 | .7 | .5 | 1.7 | .0 | .0 | 8.2 | 2.5 | NNE |
| NE | 3 | 4.8 | .8 | .2 | .0 | .0 | .0 | 5.8 | 1.3 | NE |
| ENE | 4 | 4.3 | .2 | .0 | .0 | .0 | .0 | 4.5 | 1.2 | ENE |
| E | 5 | 2.3 | 1.0 | .2 | .0 | .0 | .0 | 3.5 | 1.5 | E |
| ESE | 6 | 1.5 | .5 | .2 | .0 | .0 | .0 | 2.2 | 1.4 | ESE |
| SE | 7 | 1.3 | .2 | 1.0 | .2 | .0 | .0 | 2.7 | 2.7 | SE |
| SSE | 8 | 1.2 | .2 | .3 | .0 | .0 | .0 | 1.7 | 1.8 | SSE |
| S | 9 | 4.0 | .7 | .2 | .0 | .0 | .0 | 4.8 | 1.3 | S |
| SSW | 10 | 5.2 | 2.2 | 2.0 | 2.7 | .3 | .0 | 12.3 | 3.3 | SSW |
| SW | 11 | 8.8 | 1.5 | 5.3 | 7.5 | .5 | .0 | 23.6 | 3.8 | SW |
| WSW | 12 | 6.2 | .5 | .5 | .2 | .0 | .0 | 7.3 | 1.4 | WSW |
| W | 13 | 2.7 | .3 | .0 | .0 | .0 | .0 | 3.0 | 1.1 | W |
| WNW | 14 | 2.7 | .8 | .0 | .0 | .0 | .0 | 3.5 | 1.2 | WNW |
| NW | 15 | 3.5 | .5 | .0 | .0 | .0 | .0 | 4.0 | 1.2 | NW |
| NNW | 16 | 3.2 | .7 | .0 | .0 | .0 | .0 | 3.8 | 1.2 | NNW |
| 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 | |
| 1 | WS <= .5 |
| 2 | .5< WS <= 1.8 |
| 3 | 1.8< WS <= 3.3 |
| 4 | 3.3< WS <= 5.4 |
| 5 | 5.4< WS <= 8.5 |
| 6 | 8.5< WS <=10.8 |
| | 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)

WIND SPEED CLASS

| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 6.0 | 2.0 | 1.4 | 3.2 | .2 | .0 | 12.7 | 3.1 | NNE |
| NE | 3 | 4.6 | .8 | .6 | .2 | .0 | .0 | 6.2 | 1.6 | NE |
| ENE | 4 | 6.3 | 1.0 | .0 | .0 | .0 | .0 | 7.3 | 1.2 | ENE |
| E | 5 | 4.8 | .6 | .0 | .0 | .0 | .0 | 5.4 | 1.2 | E |
| ESE | 6 | 3.4 | .2 | .0 | .0 | .0 | .0 | 3.6 | 1.0 | ESE |
| SE | 7 | 2.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 1.1 | SE |
| SSE | 8 | 3.0 | .4 | .0 | .0 | .0 | .0 | 3.4 | 1.0 | SSE |
| S | 9 | 4.0 | .4 | .0 | .0 | .0 | .0 | 4.4 | 1.1 | S |
| SSW | 10 | 5.8 | .2 | .8 | 1.8 | 1.4 | 1.0 | 10.9 | 4.5 | SSW |
| SW | 11 | 5.6 | 1.2 | 1.4 | 1.0 | .0 | .0 | 9.1 | 2.4 | SW |
| WSW | 12 | 4.2 | .6 | .4 | .0 | .0 | .0 | 5.2 | 1.5 | WSW |
| W | 13 | 4.8 | .8 | .2 | .0 | .0 | .0 | 5.8 | 1.3 | W |
| WNW | 14 | 3.2 | .0 | .0 | .6 | .0 | .0 | 3.8 | 2.1 | WNW |
| NW | 15 | 4.6 | .4 | .0 | .0 | .4 | .0 | 5.4 | 1.8 | NW |
| NNW | 16 | 4.2 | .4 | .2 | .2 | .0 | .0 | 5.0 | 1.5 | NNW |
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 4.5 | .6 | 1.3 | .0 | .0 | .0 | 6.5 | 1.8 | NNE |
| NE | 3 | 5.2 | 1.9 | .6 | .0 | .0 | .0 | 7.7 | 1.6 | NE |
| ENE | 4 | 5.2 | .0 | .0 | .0 | .0 | .0 | 5.2 | 1.3 | ENE |
| E | 5 | 5.8 | 1.3 | .0 | .0 | .0 | .0 | 7.1 | 1.2 | E |
| ESE | 6 | 3.2 | .0 | 1.3 | .0 | .0 | .0 | 4.5 | 1.9 | ESE |
| SE | 7 | 5.8 | .0 | 1.9 | .0 | .0 | .0 | 7.7 | 1.9 | SE |
| SSE | 8 | 1.9 | .6 | .0 | .0 | .0 | .0 | 2.6 | 1.2 | SSE |
| S | 9 | 4.5 | .6 | .0 | .0 | .0 | .0 | 5.2 | 1.3 | S |
| SSW | 10 | 3.2 | .0 | .6 | .0 | .0 | .0 | 3.9 | 1.5 | SSW |
| SW | 11 | 9.7 | .6 | 1.3 | 1.9 | .0 | .0 | 13.5 | 2.4 | SW |
| WSW | 12 | 5.8 | .6 | .6 | .6 | .0 | .0 | 7.7 | 1.7 | WSW |
| W | 13 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | 1.1 | W |
| WNW | 14 | 5.2 | .0 | .0 | .0 | .0 | .0 | 5.2 | 1.1 | WNW |
| NW | 15 | 5.2 | 3.9 | .0 | .0 | .0 | .0 | 9.0 | 1.5 | NW |
| NNW | 16 | 1.9 | .6 | .0 | .0 | .0 | .0 | 2.6 | 1.6 | NNW |
| 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)

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| N | 1 | 2.9 | .0 | .7 | .0 | .0 | .0 | 3.6 | 1.5 | 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 3.2 | 1.9 | 3.2 | 5.8 | .0 | .0 | 14.2 | 4.0 | NNE |
| NE | 3 | 3.2 | .0 | 1.9 | .0 | .0 | .0 | 5.2 | 2.3 | NE |
| ENE | 4 | 3.9 | .0 | .0 | .0 | .0 | .0 | 3.9 | 1.0 | ENE |
| E | 5 | 5.8 | .0 | .0 | .0 | .0 | .0 | 5.8 | 1.0 | E |
| ESE | 6 | 2.6 | .6 | .0 | .0 | .0 | .0 | 3.2 | 1.4 | ESE |
| SE | 7 | 3.9 | .0 | .0 | .0 | .0 | .0 | 3.9 | 1.1 | SE |
| SSE | 8 | 4.5 | .6 | .0 | .0 | .0 | .0 | 5.2 | 1.3 | SSE |
| S | 9 | 6.5 | .0 | .6 | .0 | .0 | .0 | 7.1 | 1.3 | S |
| SSW | 10 | 6.5 | .6 | .0 | 3.2 | 1.3 | 2.6 | 14.2 | 5.2 | SSW |
| SW | 11 | 7.7 | .0 | 1.3 | 1.3 | .6 | .0 | 11.0 | 2.7 | SW |
| WSW | 12 | 5.8 | .0 | .0 | .0 | .0 | .0 | 5.8 | 1.2 | WSW |
| W | 13 | 2.6 | .6 | .0 | .0 | .0 | .0 | 3.2 | 1.2 | W |
| WNW | 14 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | .9 | WNW |
| NW | 15 | 3.9 | .6 | .6 | .0 | .0 | .0 | 5.2 | 1.4 | NW |
| NNW | 16 | 2.6 | .6 | .0 | .0 | .0 | .0 | 3.2 | 1.2 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 1.3 | 2.0 | 4.0 | 3.3 | .0 | .0 | 10.7 | 4.3 | NNE |
| NE | 3 | 6.0 | 3.3 | 4.7 | .0 | .0 | .0 | 14.0 | 2.3 | NE |
| ENE | 4 | 5.3 | 1.3 | .7 | .0 | .0 | .0 | 7.3 | 1.7 | ENE |
| E | 5 | 3.3 | .0 | .0 | .0 | .0 | .0 | 3.3 | .8 | E |
| ESE | 6 | 3.3 | .0 | .0 | .0 | .0 | .0 | 3.3 | 1.4 | ESE |
| SE | 7 | 4.0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 1.3 | 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 | 1.1 | S |
| SSW | 10 | 2.7 | 2.0 | .7 | .0 | .7 | 1.3 | 7.3 | 4.5 | SSW |
| SW | 11 | .7 | 2.0 | 3.3 | 2.7 | 1.3 | .0 | 10.0 | 5.3 | SW |
| WSW | 12 | 2.0 | .7 | 4.7 | .7 | .0 | .0 | 8.0 | 3.7 | WSW |
| W | 13 | 2.7 | .7 | .0 | .0 | .0 | .0 | 3.3 | 1.2 | W |
| WNW | 14 | 2.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | .7 | WNW |
| NW | 15 | 1.3 | .0 | .0 | .7 | .0 | .0 | 2.0 | 3.3 | NW |
| NNW | 16 | 1.3 | 1.3 | .0 | 2.0 | .0 | .0 | 4.7 | 4.6 | NNW |
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | 1.1 | NNE |
| NE | 3 | 1.9 | .6 | .0 | .0 | .0 | .0 | 2.6 | 1.4 | NE |
| ENE | 4 | 7.7 | .6 | .0 | .0 | .0 | .0 | 8.4 | 1.1 | ENE |
| E | 5 | 9.0 | .0 | .0 | .0 | .0 | .0 | 9.0 | 1.0 | E |
| ESE | 6 | 7.1 | .0 | .0 | .0 | .0 | .0 | 7.1 | 1.0 | ESE |
| SE | 7 | 4.5 | .0 | .0 | .0 | .0 | .0 | 4.5 | 1.1 | SE |
| SSE | 8 | 7.1 | .0 | .0 | .0 | .0 | .0 | 7.1 | .9 | SSE |
| S | 9 | 8.4 | 1.3 | .0 | .0 | .0 | .0 | 9.7 | 1.3 | S |
| SSW | 10 | 1.9 | 1.9 | 5.2 | .0 | .0 | .0 | 9.0 | 3.2 | SSW |
| SW | 11 | 3.2 | 2.6 | 5.2 | 4.5 | .6 | .0 | 16.1 | 4.1 | SW |
| WSW | 12 | 2.6 | .0 | .6 | 1.3 | .0 | .0 | 4.5 | 2.9 | WSW |
| W | 13 | .6 | .6 | .6 | .0 | .0 | .0 | 1.9 | 2.9 | W |
| WNW | 14 | .6 | .0 | .0 | .0 | .0 | .0 | .6 | 1.5 | WNW |
| NW | 15 | .6 | 1.3 | 1.3 | .0 | .0 | .0 | 3.2 | 3.0 | NW |
| NNW | 16 | 1.3 | .6 | 1.3 | .0 | .0 | .0 | 3.2 | 2.9 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 4.7 | .7 | .7 | .0 | .0 | .0 | 6.0 | 1.4 | NNE |
| NE | 3 | 2.7 | .7 | .7 | .0 | .0 | .0 | 4.0 | 1.6 | NE |
| ENE | 4 | 6.7 | 4.7 | .0 | .0 | .0 | .0 | 11.3 | 1.6 | ENE |
| E | 5 | 6.7 | 1.3 | .0 | .0 | .0 | .0 | 8.0 | 1.3 | E |
| ESE | 6 | 6.7 | .0 | .0 | .0 | .0 | .0 | 6.7 | 1.1 | ESE |
| SE | 7 | 4.0 | .7 | .7 | .0 | .0 | .0 | 5.3 | 1.3 | SE |
| SSE | 8 | 4.0 | .7 | .7 | .0 | .0 | .0 | 5.3 | 1.7 | SSE |
| S | 9 | 8.0 | .7 | .0 | .0 | .0 | .0 | 8.7 | 1.1 | S |
| SSW | 10 | 4.0 | 2.7 | 1.3 | 2.7 | 2.0 | .7 | 13.3 | 4.6 | SSW |
| SW | 11 | 5.3 | .7 | 1.3 | 2.0 | 1.3 | .7 | 11.3 | 4.0 | SW |
| WSW | 12 | 2.7 | .0 | .0 | .7 | .0 | .0 | 3.3 | 2.3 | WSW |
| W | 13 | 1.3 | .0 | .0 | .0 | .0 | .0 | 1.3 | 1.2 | W |
| WNW | 14 | .7 | .0 | .0 | .0 | .0 | .0 | .7 | 1.2 | WNW |
| NW | 15 | 1.3 | .7 | .0 | .0 | .0 | .0 | 2.0 | 1.4 | NW |
| NNW | 16 | .7 | 1.3 | .7 | .0 | .0 | .0 | 2.7 | 2.4 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 5.8 | .0 | .0 | .0 | .0 | .0 | 5.8 | .9 | NNE |
| NE | 3 | 5.2 | .0 | .0 | .0 | .0 | .0 | 5.2 | .9 | NE |
| ENE | 4 | 5.2 | 1.3 | .0 | .0 | .0 | .0 | 6.5 | 1.3 | ENE |
| E | 5 | 7.8 | 1.3 | .0 | .0 | .0 | .0 | 9.1 | 1.2 | E |
| ESE | 6 | 3.2 | .6 | .0 | .0 | .0 | .0 | 3.9 | 1.1 | ESE |
| SE | 7 | 1.9 | 1.3 | .0 | .0 | .0 | .0 | 3.2 | 1.5 | SE |
| SSE | 8 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | 1.2 | SSE |
| S | 9 | 5.8 | .0 | .0 | 1.3 | .0 | .0 | 7.1 | 2.4 | S |
| SSW | 10 | 5.8 | .0 | 1.3 | 7.1 | 1.9 | .0 | 16.2 | 4.7 | SSW |
| SW | 11 | 1.3 | .6 | 1.9 | 5.2 | .0 | .6 | 9.7 | 6.1 | SW |
| WSW | 12 | 3.2 | .6 | .0 | .0 | .0 | .0 | 3.9 | 1.3 | WSW |
| W | 13 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | 1.1 | W |
| WNW | 14 | 1.3 | .0 | .0 | .0 | .0 | .0 | 1.3 | 1.1 | WNW |
| NW | 15 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | .7 | NW |
| NNW | 16 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | .8 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 8.0 | .0 | .0 | 4.0 | .0 | .0 | 12.0 | 2.9 | NNE |
| NE | 3 | 8.0 | .0 | .0 | .0 | .0 | .0 | 8.0 | .8 | NE |
| ENE | 4 | 9.6 | .0 | .0 | .0 | .0 | .0 | 9.6 | .9 | ENE |
| E | 5 | 4.8 | .0 | .0 | .0 | .0 | .0 | 4.8 | .9 | E |
| ESE | 6 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | .8 | ESE |
| SE | 7 | 1.6 | .0 | .0 | .0 | .0 | .0 | 1.6 | .6 | SE |
| SSE | 8 | 1.6 | .8 | .0 | .0 | .0 | .0 | 2.4 | 1.3 | SSE |
| S | 9 | 5.6 | .0 | .0 | .0 | .0 | .0 | 5.6 | .9 | S |
| SSW | 10 | 4.8 | .8 | .0 | .8 | .0 | .0 | 6.4 | 1.9 | SSW |
| SW | 11 | 6.4 | .8 | 1.6 | 4.0 | .0 | .0 | 12.8 | 2.9 | SW |
| WSW | 12 | 4.0 | .0 | .0 | .0 | .0 | .0 | 4.0 | .7 | WSW |
| W | 13 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | .5 | W |
| WNW | 14 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | .7 | WNW |
| NW | 15 | 1.6 | .0 | .0 | .0 | .0 | .0 | 1.6 | .7 | NW |
| NNW | 16 | .0 | .8 | .0 | .0 | .0 | .0 | .8 | 2.1 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 9.5 | .0 | 1.1 | 3.2 | .0 | .0 | 13.7 | 2.3 | NNE |
| NE | 3 | 8.4 | .0 | .0 | .0 | .0 | .0 | 8.4 | .8 | NE |
| ENE | 4 | 4.2 | 1.1 | .0 | .0 | .0 | .0 | 5.3 | 1.0 | ENE |
| E | 5 | 7.4 | .0 | .0 | .0 | .0 | .0 | 7.4 | .9 | E |
| ESE | 6 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.0 | ESE |
| SE | 7 | 5.3 | .0 | .0 | .0 | .0 | .0 | 5.3 | .8 | SE |
| SSE | 8 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | .7 | SSE |
| S | 9 | 7.4 | .0 | .0 | .0 | .0 | .0 | 7.4 | 1.0 | S |
| SSW | 10 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | .9 | SSW |
| SW | 11 | 5.3 | 1.1 | 1.1 | .0 | .0 | .0 | 7.4 | 1.5 | SW |
| WSW | 12 | 6.3 | .0 | .0 | .0 | .0 | .0 | 6.3 | .9 | WSW |
| W | 13 | 4.2 | .0 | .0 | .0 | .0 | .0 | 4.2 | 1.0 | W |
| WNW | 14 | .0 | 1.1 | .0 | .0 | .0 | .0 | 1.1 | 2.1 | WNW |
| NW | 15 | 4.2 | .0 | .0 | .0 | .0 | .0 | 4.2 | 1.0 | NW |
| NNW | 16 | 1.1 | 2.1 | .0 | 1.1 | 1.1 | .0 | 5.3 | 4.8 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 3.7 | .9 | 1.4 | .0 | .0 | .0 | 6.0 | 1.9 | NNE |
| NE | 3 | 4.1 | 2.3 | .0 | .0 | .0 | .0 | 6.5 | 1.4 | NE |
| ENE | 4 | 3.7 | .0 | .5 | .0 | .0 | .0 | 4.1 | 1.3 | ENE |
| E | 5 | 7.4 | 3.2 | .0 | .0 | .0 | .0 | 10.6 | 1.5 | E |
| ESE | 6 | 5.1 | 1.8 | .5 | .0 | .0 | .0 | 7.4 | 1.6 | ESE |
| SE | 7 | 7.4 | 2.3 | 2.3 | .5 | .0 | .0 | 12.4 | 2.0 | SE |
| SSE | 8 | 1.4 | 1.4 | .0 | .0 | .0 | .0 | 2.8 | 1.5 | SSE |
| S | 9 | 3.7 | .5 | .5 | .0 | .0 | .0 | 4.6 | 1.4 | S |
| SSW | 10 | 1.8 | .9 | .0 | .5 | .0 | .0 | 3.2 | 2.2 | SSW |
| SW | 11 | 3.7 | .5 | 1.4 | 5.5 | .0 | .0 | 11.1 | 4.3 | SW |
| WSW | 12 | 1.8 | .0 | 1.4 | .5 | .0 | .0 | 3.7 | 2.6 | WSW |
| W | 13 | 1.8 | .0 | .5 | .5 | .0 | .0 | 2.8 | 2.4 | W |
| WNW | 14 | 1.8 | .5 | .0 | .0 | .0 | .0 | 2.3 | 1.4 | WNW |
| NW | 15 | 1.4 | 2.3 | 1.4 | .0 | .0 | .0 | 5.1 | 2.5 | NW |
| NNW | 16 | 1.8 | 1.4 | .5 | .5 | .0 | .0 | 4.1 | 2.6 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 3.7 | 2.3 | 2.8 | 2.3 | .0 | .0 | 11.1 | 3.1 | NNE |
| NE | 3 | 1.4 | 1.4 | .5 | 1.8 | .0 | .0 | 5.1 | 3.4 | NE |
| ENE | 4 | 2.8 | .5 | .0 | .0 | .0 | .0 | 3.2 | 1.1 | ENE |
| E | 5 | 2.8 | .0 | .0 | .0 | .0 | .0 | 2.8 | 1.2 | E |
| ESE | 6 | 1.8 | .5 | .0 | .0 | .0 | .0 | 2.3 | 1.4 | ESE |
| SE | 7 | 3.7 | 1.4 | .0 | .0 | .0 | .0 | 5.1 | 1.5 | SE |
| SSE | 8 | 4.1 | .5 | .0 | .0 | .0 | .0 | 4.6 | 1.3 | SSE |
| S | 9 | 3.2 | .5 | .5 | .5 | .0 | .0 | 4.6 | 2.1 | S |
| SSW | 10 | 3.7 | .0 | .9 | 4.6 | 8.3 | 2.8 | 20.3 | 7.4 | SSW |
| SW | 11 | .9 | 3.7 | 1.8 | 6.9 | 2.8 | .5 | 16.6 | 5.9 | SW |
| WSW | 12 | .5 | .9 | 2.3 | .0 | .0 | .0 | 3.7 | 3.6 | WSW |
| W | 13 | .9 | .5 | .0 | .0 | .0 | .0 | 1.4 | 2.1 | W |
| WNW | 14 | 2.3 | .5 | .5 | .0 | .0 | .0 | 3.2 | 1.9 | WNW |
| NW | 15 | 2.8 | .5 | .0 | .9 | .0 | .0 | 4.1 | 2.2 | NW |
| NNW | 16 | .9 | .5 | .5 | .5 | .0 | .0 | 2.3 | 3.1 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

| | | 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 | 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)

WIND SPEED CLASS

| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 1.1 | .6 | 1.1 | .6 | .0 | .0 | 3.4 | 3.3 | NNE |
| NE | 3 | 2.3 | .6 | .6 | .0 | .0 | .0 | 3.4 | 2.0 | NE |
| ENE | 4 | 3.4 | .6 | .0 | .0 | .0 | .0 | 4.0 | 1.3 | ENE |
| E | 5 | 2.3 | 2.9 | .6 | .0 | .0 | .0 | 5.7 | 2.1 | E |
| ESE | 6 | 1.1 | 1.1 | .0 | .0 | .0 | .0 | 2.3 | 1.7 | ESE |
| SE | 7 | .0 | .0 | 2.3 | .0 | .0 | .0 | 2.3 | 4.3 | SE |
| SSE | 8 | 1.1 | .6 | 1.1 | .0 | .0 | .0 | 2.9 | 2.6 | SSE |
| S | 9 | 2.3 | 1.7 | .6 | .0 | .0 | .0 | 4.6 | 2.1 | S |
| SSW | 10 | 1.1 | 3.4 | 2.9 | 7.4 | 1.1 | .0 | 16.0 | 5.3 | SSW |
| SW | 11 | 2.9 | 2.3 | 13.1 | 22.3 | 1.7 | .0 | 42.3 | 5.5 | SW |
| WSW | 12 | 2.3 | 1.1 | .6 | .6 | .0 | .0 | 4.6 | 2.4 | WSW |
| W | 13 | 1.1 | .6 | .0 | .0 | .0 | .0 | 1.7 | 1.5 | W |
| WNW | 14 | .0 | 1.7 | .0 | .0 | .0 | .0 | 1.7 | 2.1 | WNW |
| NW | 15 | .6 | .0 | .0 | .0 | .0 | .0 | .6 | 1.5 | NW |
| NNW | 16 | .6 | .6 | .0 | .0 | .0 | .0 | 1.1 | 1.6 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 2.4 | .5 | 1.4 | 4.8 | .0 | .0 | 9.0 | 4.8 | NNE |
| NE | 3 | 5.7 | .5 | .5 | .0 | .0 | .0 | 6.7 | 1.3 | NE |
| ENE | 4 | 4.8 | 1.4 | .5 | .0 | .0 | .0 | 6.7 | 1.6 | ENE |
| E | 5 | 5.7 | 3.3 | .0 | .0 | .0 | .0 | 9.0 | 1.6 | E |
| ESE | 6 | 4.3 | .0 | .0 | .0 | .0 | .0 | 4.3 | 1.2 | ESE |
| SE | 7 | 1.4 | .0 | .0 | .0 | .0 | .0 | 1.4 | 1.1 | SE |
| SSE | 8 | 5.2 | 1.0 | .0 | .0 | .0 | .0 | 6.2 | 1.2 | SSE |
| S | 9 | 3.3 | .5 | .0 | .0 | .0 | .0 | 3.8 | 1.3 | S |
| SSW | 10 | 5.2 | 4.3 | 1.4 | 2.9 | 1.0 | .0 | 14.8 | 3.2 | SSW |
| SW | 11 | 2.9 | 3.3 | 11.4 | 6.2 | .0 | .0 | 23.8 | 4.2 | SW |
| WSW | 12 | 1.9 | .5 | 1.0 | .0 | .0 | .0 | 3.3 | 2.3 | WSW |
| W | 13 | 1.4 | .0 | .0 | .0 | .0 | .0 | 1.4 | 1.2 | W |
| WNW | 14 | .5 | .0 | .0 | .0 | .0 | .0 | .5 | .7 | WNW |
| NW | 15 | .5 | .0 | .0 | .0 | .0 | .0 | .5 | 1.1 | NW |
| NNW | 16 | 2.9 | .0 | .0 | .0 | .0 | .0 | 2.9 | .8 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | .8 | 1.5 | 3.0 | .8 | .0 | .0 | 6.0 | 3.4 | NNE |
| NE | 3 | 6.0 | 1.5 | .0 | .0 | .0 | .0 | 7.5 | 1.0 | NE |
| ENE | 4 | 9.8 | .8 | .0 | .0 | .0 | .0 | 10.5 | 1.0 | ENE |
| E | 5 | 5.3 | .8 | .0 | .0 | .0 | .0 | 6.0 | 1.1 | E |
| ESE | 6 | 1.5 | .0 | .0 | .0 | .0 | .0 | 1.5 | .8 | ESE |
| SE | 7 | 3.0 | .8 | .0 | .0 | .0 | .0 | 3.8 | 1.2 | SE |
| SSE | 8 | 3.0 | .8 | .0 | .0 | .0 | .0 | 3.8 | 1.1 | SSE |
| S | 9 | 2.3 | .0 | .8 | .0 | .0 | .0 | 3.0 | 1.8 | S |
| SSW | 10 | .0 | 2.3 | 2.3 | .0 | .0 | .0 | 4.5 | 3.2 | SSW |
| SW | 11 | 1.5 | 3.0 | 9.0 | 4.5 | .0 | .0 | 18.0 | 4.0 | SW |
| WSW | 12 | .8 | 1.5 | 1.5 | .0 | .0 | .0 | 3.8 | 2.4 | WSW |
| W | 13 | .8 | .8 | .0 | .0 | .0 | .0 | 1.5 | 1.9 | W |
| WNW | 14 | 2.3 | .0 | .0 | .0 | .0 | .0 | 2.3 | .6 | WNW |
| NW | 15 | 1.5 | .0 | .0 | .0 | .0 | .0 | 1.5 | .6 | NW |
| NNW | 16 | .0 | .8 | 1.5 | 1.5 | .0 | .0 | 3.8 | 5.1 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 7.5 | 1.4 | 2.0 | 1.4 | .7 | .0 | 12.9 | 2.5 | NNE |
| NE | 3 | 5.4 | 1.4 | .0 | .0 | .0 | .0 | 6.8 | 1.2 | NE |
| ENE | 4 | 10.9 | 2.0 | .0 | .0 | .0 | .0 | 12.9 | 1.2 | ENE |
| E | 5 | 10.2 | 1.4 | .0 | .0 | .0 | .0 | 11.6 | 1.3 | E |
| ESE | 6 | 3.4 | .7 | .0 | .0 | .0 | .0 | 4.1 | 1.0 | ESE |
| SE | 7 | 2.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 1.1 | SE |
| SSE | 8 | 2.0 | 1.4 | .0 | .0 | .0 | .0 | 3.4 | 1.4 | SSE |
| S | 9 | 3.4 | .7 | .0 | .0 | .0 | .0 | 4.1 | 1.2 | S |
| SSW | 10 | .0 | .0 | 1.4 | 3.4 | 1.4 | 3.4 | 9.5 | 9.0 | SSW |
| SW | 11 | .7 | .0 | 2.0 | 1.4 | .0 | .0 | 4.1 | 4.7 | SW |
| WSW | 12 | .7 | .7 | .0 | .0 | .0 | .0 | 1.4 | 1.3 | WSW |
| W | 13 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | W |
| WNW | 14 | 2.0 | .0 | .0 | 1.4 | .0 | .0 | 3.4 | 3.4 | WNW |
| NW | 15 | 1.4 | .0 | .0 | .0 | 1.4 | .0 | 2.7 | 5.0 | NW |
| NNW | 16 | 2.0 | .7 | .7 | .7 | .0 | .0 | 4.1 | 2.9 | NNW |
| 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 | N |
| NNE | 2 | 6.5 | .6 | .0 | .0 | .0 | .0 | 7.1 | 1.3 | NNE |
| NE | 3 | 3.2 | 2.6 | .0 | .0 | .0 | .0 | 5.8 | 1.6 | NE |
| ENE | 4 | 3.2 | .6 | .0 | .0 | .0 | .0 | 3.9 | 1.3 | ENE |
| E | 5 | 4.5 | 1.9 | .0 | .0 | .0 | .0 | 6.5 | 1.5 | E |
| ESE | 6 | .6 | .0 | .0 | .0 | .0 | .0 | .6 | .8 | ESE |
| SE | 7 | 1.9 | .6 | .6 | .6 | .0 | .0 | 3.9 | 2.9 | SE |
| SSE | 8 | 1.3 | 1.3 | 1.9 | .0 | .0 | .0 | 4.5 | 2.4 | SSE |
| S | 9 | 3.2 | 1.9 | .6 | .0 | .0 | .0 | 5.8 | 1.8 | S |
| SSW | 10 | 3.2 | .0 | .6 | .6 | .0 | .0 | 4.5 | 2.6 | SSW |
| SW | 11 | 9.7 | 1.3 | 1.3 | .6 | .0 | .0 | 12.9 | 2.0 | SW |
| WSW | 12 | 4.5 | 1.3 | .0 | .0 | .0 | .0 | 5.8 | 1.4 | WSW |
| W | 13 | 3.9 | .6 | .0 | .0 | .0 | .0 | 4.5 | 1.3 | W |
| WNW | 14 | 7.7 | 1.9 | .0 | .0 | .0 | .0 | 9.7 | 1.5 | WNW |
| NW | 15 | 4.5 | 5.2 | .0 | .0 | .0 | .0 | 9.7 | 1.7 | NW |
| NNW | 16 | 5.2 | 1.3 | .0 | .0 | .0 | .0 | 6.5 | 1.5 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 2.0 | .0 | .7 | .0 | .0 | .0 | 2.7 | 1.8 | NNE |
| NE | 3 | .0 | .7 | .0 | .0 | .0 | .0 | .7 | 3.1 | NE |
| ENE | 4 | 1.3 | .0 | .0 | .0 | .0 | .0 | 1.3 | 1.4 | ENE |
| E | 5 | 2.0 | .7 | .0 | .0 | .0 | .0 | 2.7 | 1.7 | E |
| ESE | 6 | .7 | .7 | .7 | .0 | .0 | .0 | 2.0 | 2.5 | ESE |
| SE | 7 | .7 | .0 | .7 | .0 | .0 | .0 | 1.3 | 2.4 | SE |
| SSE | 8 | .7 | 1.3 | .0 | .0 | .0 | .0 | 2.0 | 2.3 | SSE |
| S | 9 | 1.3 | 2.0 | 2.0 | .7 | .0 | .0 | 6.0 | 3.5 | S |
| SSW | 10 | 3.3 | 2.7 | 2.0 | 9.3 | .7 | .0 | 18.0 | 5.0 | SSW |
| SW | 11 | 5.3 | 11.3 | 11.3 | 17.3 | 1.3 | .0 | 46.7 | 4.4 | SW |
| WSW | 12 | 2.0 | 3.3 | 2.0 | .0 | .0 | .0 | 7.3 | 2.5 | WSW |
| W | 13 | .7 | .0 | .0 | .0 | .0 | .0 | .7 | 1.4 | W |
| WNW | 14 | .7 | .0 | 1.3 | .0 | .0 | .0 | 2.0 | 3.3 | WNW |
| NW | 15 | 1.3 | .7 | .0 | .7 | .0 | .0 | 2.7 | 3.0 | NW |
| NNW | 16 | .7 | .0 | .7 | .7 | .0 | .0 | 2.0 | 4.4 | NNW |
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 2.6 | .0 | .0 | .0 | .0 | .0 | 2.6 | 1.0 | NNE |
| NE | 3 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | 1.4 | NE |
| ENE | 4 | 1.3 | .0 | .0 | .0 | .0 | .0 | 1.3 | 1.3 | ENE |
| E | 5 | .6 | .0 | .0 | .0 | .0 | .0 | .6 | 1.1 | E |
| ESE | 6 | .6 | .6 | .0 | .0 | .0 | .0 | 1.3 | 1.8 | ESE |
| SE | 7 | .0 | .0 | .6 | .0 | .0 | .0 | .6 | 3.6 | SE |
| SSE | 8 | .0 | .0 | 1.9 | .0 | .0 | .0 | 1.9 | 4.3 | SSE |
| S | 9 | 2.6 | .6 | 1.3 | .6 | .0 | .0 | 5.2 | 3.1 | S |
| SSW | 10 | 3.2 | 4.5 | 5.2 | 11.6 | .6 | .0 | 25.2 | 4.8 | SSW |
| SW | 11 | 5.2 | 9.0 | 11.6 | 14.2 | 1.9 | .0 | 41.9 | 4.6 | SW |
| WSW | 12 | 3.2 | 1.3 | 1.9 | .0 | .0 | .0 | 6.5 | 2.2 | WSW |
| W | 13 | .6 | .6 | .0 | .0 | .0 | .0 | 1.3 | 1.6 | W |
| WNW | 14 | 2.6 | .0 | .0 | .0 | .0 | .0 | 2.6 | 1.1 | WNW |
| NW | 15 | .6 | .6 | .0 | .0 | .0 | .0 | 1.3 | 1.7 | NW |
| NNW | 16 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | 1.0 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 4.2 | 2.1 | .0 | .0 | .0 | .0 | 6.3 | 1.5 | NNE |
| NE | 3 | 5.3 | 4.2 | .0 | .0 | .0 | .0 | 9.5 | 1.5 | NE |
| ENE | 4 | 1.1 | .0 | .0 | .0 | .0 | .0 | 1.1 | .9 | ENE |
| E | 5 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.3 | E |
| ESE | 6 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | 1.2 | ESE |
| SE | 7 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | .9 | SE |
| SSE | 8 | 1.1 | .0 | .0 | .0 | .0 | .0 | 1.1 | 1.5 | SSE |
| S | 9 | 3.2 | 1.1 | .0 | .0 | .0 | .0 | 4.2 | 1.2 | S |
| SSW | 10 | 7.4 | 6.3 | 1.1 | .0 | .0 | .0 | 14.7 | 1.7 | SSW |
| SW | 11 | 6.3 | 2.1 | 2.1 | .0 | .0 | .0 | 10.5 | 2.2 | SW |
| WSW | 12 | 10.5 | 1.1 | 2.1 | .0 | .0 | .0 | 13.7 | 1.6 | WSW |
| W | 13 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.0 | W |
| WNW | 14 | 4.2 | .0 | .0 | .0 | .0 | .0 | 4.2 | 1.2 | WNW |
| NW | 15 | 6.3 | 2.1 | .0 | .0 | .0 | .0 | 8.4 | 1.5 | NW |
| NNW | 16 | 4.2 | 1.1 | .0 | 1.1 | .0 | .0 | 6.3 | 2.0 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 5.0 | .3 | .6 | .0 | .0 | .0 | 5.9 | 1.4 | NNE |
| NE | 3 | 2.1 | 1.2 | .9 | .0 | .0 | .0 | 4.1 | 2.1 | NE |
| ENE | 4 | 1.8 | .3 | .0 | .0 | .0 | .0 | 2.1 | 1.2 | ENE |
| E | 5 | 1.8 | .0 | .0 | .0 | .0 | .0 | 1.8 | .9 | E |
| ESE | 6 | 2.3 | .0 | .0 | .0 | .0 | .0 | 2.3 | 1.0 | ESE |
| SE | 7 | 1.8 | .0 | .3 | .0 | .0 | .0 | 2.1 | 1.4 | SE |
| SSE | 8 | 1.2 | .0 | .0 | .0 | .0 | .0 | 1.2 | .9 | SSE |
| S | 9 | 2.6 | .9 | .0 | .0 | .0 | .0 | 3.5 | 1.4 | S |
| SSW | 10 | 8.5 | .6 | .3 | 2.3 | 1.5 | .0 | 13.2 | 3.3 | SSW |
| SW | 11 | 10.3 | .9 | .3 | .3 | .0 | .0 | 11.7 | 1.3 | SW |
| WSW | 12 | 10.6 | .3 | .0 | .0 | .0 | .0 | 10.9 | 1.1 | WSW |
| W | 13 | 7.3 | .6 | .0 | .0 | .0 | .0 | 7.9 | 1.2 | W |
| WNW | 14 | 6.7 | 2.9 | .6 | .0 | .0 | .0 | 10.3 | 1.6 | WNW |
| NW | 15 | 6.5 | 4.1 | .3 | .0 | .0 | .0 | 10.9 | 1.7 | NW |
| NNW | 16 | 5.9 | .9 | .0 | .0 | .0 | .0 | 6.7 | 1.2 | NNW |
| 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)

| | | 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 | 1.1 | 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 2.3 | 2.1 | .6 | .0 | .0 | .0 | 5.0 | 2.0 | NNE |
| NE | 3 | 2.3 | .0 | .3 | 1.2 | .0 | .0 | 3.8 | 3.0 | NE |
| ENE | 4 | 1.5 | .3 | .0 | .0 | .0 | .0 | 1.8 | 1.5 | ENE |
| E | 5 | 2.9 | .3 | .0 | .0 | .0 | .0 | 3.2 | 1.2 | E |
| ESE | 6 | 1.2 | .3 | .0 | .0 | .0 | .0 | 1.5 | 1.3 | ESE |
| SE | 7 | 1.5 | .0 | .6 | .0 | .0 | .0 | 2.1 | 2.2 | SE |
| SSE | 8 | 2.9 | .3 | .6 | .0 | .0 | .0 | 3.8 | 1.8 | SSE |
| S | 9 | 4.1 | 1.2 | .6 | .0 | .3 | .0 | 6.2 | 2.1 | S |
| SSW | 10 | 8.2 | 1.8 | .3 | 1.5 | 1.2 | 1.8 | 14.7 | 3.9 | SSW |
| SW | 11 | 10.0 | .9 | 1.2 | .6 | .3 | .0 | 12.9 | 1.9 | SW |
| WSW | 12 | 9.1 | 1.2 | .3 | .0 | .0 | .0 | 10.6 | 1.4 | WSW |
| W | 13 | 6.5 | 1.5 | .0 | .0 | .0 | .0 | 7.9 | 1.2 | W |
| WNW | 14 | 7.0 | .3 | .0 | .0 | .0 | .0 | 7.3 | 1.2 | WNW |
| NW | 15 | 6.5 | .9 | .0 | .0 | .0 | .0 | 7.3 | 1.3 | NW |
| NNW | 16 | 4.7 | .0 | .0 | .0 | .0 | .0 | 4.7 | 1.2 | NNW |
| 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)

WIND SPEED CLASS

| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 3.2 | 1.5 | .3 | .0 | .0 | .0 | 5.0 | 1.7 | NNE |
| NE | 3 | 1.5 | .3 | .0 | .0 | .0 | .0 | 1.8 | 1.1 | NE |
| ENE | 4 | 3.2 | .6 | .0 | .0 | .0 | .0 | 3.8 | 1.2 | ENE |
| E | 5 | 1.8 | .0 | .0 | .0 | .0 | .0 | 1.8 | 1.0 | E |
| ESE | 6 | 1.5 | .0 | .0 | .0 | .0 | .0 | 1.5 | 1.0 | ESE |
| SE | 7 | 1.2 | .0 | .0 | .0 | .0 | .0 | 1.2 | .8 | SE |
| SSE | 8 | 2.6 | .0 | .0 | .0 | .0 | .0 | 2.6 | .9 | SSE |
| S | 9 | 4.7 | .3 | .0 | .0 | .0 | .0 | 5.0 | 1.2 | S |
| SSW | 10 | 8.8 | 1.8 | .0 | .0 | .3 | .0 | 10.9 | 1.5 | SSW |
| SW | 11 | 12.9 | 3.2 | 2.6 | 3.2 | .0 | .0 | 22.0 | 2.4 | SW |
| WSW | 12 | 9.1 | .9 | 2.3 | 1.2 | .0 | .0 | 13.5 | 2.1 | WSW |
| W | 13 | 4.7 | 1.5 | .3 | .3 | .0 | .0 | 6.7 | 1.6 | W |
| WNW | 14 | 5.3 | .6 | .0 | .0 | .0 | .0 | 5.9 | 1.2 | WNW |
| NW | 15 | 5.3 | .6 | .0 | .0 | .0 | .0 | 5.9 | 1.3 | NW |
| NNW | 16 | 5.0 | .6 | .0 | .0 | .0 | .0 | 5.6 | 1.2 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 8.2 | .9 | .0 | .0 | .0 | .0 | 9.1 | 1.2 | NNE |
| NE | 3 | 7.3 | .6 | .0 | .0 | .0 | .0 | 7.9 | 1.3 | NE |
| ENE | 4 | 5.9 | .0 | .0 | .0 | .0 | .0 | 5.9 | 1.2 | ENE |
| E | 5 | 2.6 | .0 | .0 | .0 | .0 | .0 | 2.6 | .9 | E |
| ESE | 6 | 2.9 | .3 | .0 | .0 | .0 | .0 | 3.2 | 1.1 | ESE |
| SE | 7 | 1.2 | .3 | .0 | .0 | .0 | .0 | 1.5 | 1.2 | SE |
| SSE | 8 | 1.5 | .3 | .0 | .0 | .0 | .0 | 1.8 | 1.2 | SSE |
| S | 9 | 5.0 | 1.2 | .3 | .0 | .0 | .0 | 6.5 | 1.4 | S |
| SSW | 10 | 5.6 | .0 | .3 | .3 | .0 | .0 | 6.2 | 1.3 | SSW |
| SW | 11 | 9.1 | .6 | .9 | .3 | .0 | .0 | 10.9 | 1.5 | SW |
| WSW | 12 | 9.7 | 1.2 | .0 | .0 | .0 | .0 | 10.9 | 1.2 | WSW |
| W | 13 | 4.7 | .3 | .0 | .0 | .0 | .0 | 5.0 | 1.0 | W |
| WNW | 14 | 5.3 | .3 | .0 | .0 | .0 | .0 | 5.6 | 1.0 | WNW |
| NW | 15 | 5.3 | .0 | .0 | .0 | .0 | .0 | 5.3 | .9 | NW |
| NNW | 16 | 6.5 | .3 | .0 | .0 | .0 | .0 | 6.7 | 1.1 | NNW |
| 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)

WIND SPEED CLASS

| 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)

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 6.6 | .0 | .5 | .0 | .0 | .0 | 7.1 | 1.2 | NNE |
| NE | 3 | 3.8 | .5 | .0 | .0 | .0 | .0 | 4.3 | 1.2 | NE |
| ENE | 4 | 4.7 | .9 | .0 | .0 | .0 | .0 | 5.7 | 1.1 | ENE |
| E | 5 | 2.8 | .0 | .0 | .0 | .0 | .0 | 2.8 | 1.2 | E |
| ESE | 6 | 4.3 | .0 | .0 | .0 | .0 | .0 | 4.3 | .9 | ESE |
| SE | 7 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | 1.0 | SE |
| SSE | 8 | 4.7 | .5 | .0 | .0 | .0 | .0 | 5.2 | 1.3 | SSE |
| S | 9 | 6.2 | .0 | .0 | .0 | .0 | .0 | 6.2 | 1.0 | S |
| SSW | 10 | 6.2 | .0 | .0 | .0 | .0 | .0 | 6.2 | 1.0 | SSW |
| SW | 11 | 17.1 | .5 | .0 | .0 | .0 | .0 | 17.5 | 1.1 | SW |
| WSW | 12 | 9.0 | .0 | .0 | .0 | .0 | .0 | 9.0 | 1.0 | WSW |
| W | 13 | 5.7 | .0 | .0 | .0 | .0 | .0 | 5.7 | .9 | W |
| WNW | 14 | 2.4 | .0 | .0 | .0 | .0 | .0 | 2.4 | 1.2 | WNW |
| NW | 15 | 7.6 | .9 | .0 | .0 | .0 | .0 | 8.5 | 1.1 | NW |
| NNW | 16 | 4.7 | .9 | .0 | .0 | .0 | .0 | 5.7 | 1.1 | NNW |
| 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)

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 5.5 | .0 | .0 | .0 | .0 | .0 | 5.5 | 1.0 | NNE |
| NE | 3 | 3.7 | .0 | .0 | .0 | .0 | .0 | 3.7 | .8 | NE |
| ENE | 4 | 6.4 | .0 | .0 | .0 | .0 | .0 | 6.4 | 1.0 | ENE |
| E | 5 | 4.6 | 1.8 | .0 | .0 | .0 | .0 | 6.4 | 1.1 | E |
| ESE | 6 | 7.3 | .9 | .0 | .0 | .0 | .0 | 8.3 | 1.0 | ESE |
| SE | 7 | 11.0 | .0 | .0 | .0 | .0 | .0 | 11.0 | .9 | SE |
| SSE | 8 | 8.3 | .9 | .0 | .0 | .0 | .0 | 9.2 | .9 | SSE |
| S | 9 | 3.7 | .9 | .0 | .0 | .0 | .0 | 4.6 | 1.4 | S |
| SSW | 10 | 1.8 | .9 | .0 | .0 | .0 | .0 | 2.8 | 1.3 | SSW |
| SW | 11 | .9 | .9 | .0 | .0 | .0 | .0 | 1.8 | 1.5 | SW |
| WSW | 12 | .9 | .0 | .0 | .0 | .0 | .0 | .9 | 1.0 | WSW |
| W | 13 | 2.8 | .0 | .0 | .0 | .0 | .0 | 2.8 | 1.3 | W |
| WNW | 14 | 4.6 | .0 | .0 | .0 | .0 | .0 | 4.6 | .8 | WNW |
| NW | 15 | .9 | .0 | .0 | .0 | .0 | .0 | .9 | .5 | NW |
| NNW | 16 | .9 | .9 | .0 | .0 | .0 | .0 | 1.8 | 1.3 | NNW |
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| 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 | | |
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| 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 | 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

WIND SPEED CLASS

| 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

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 | 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

WIND SPEED CLASS

| 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

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 | 3.1 | N |
| NNE | 2 | .0 | 8.6 | .0 | .0 | .0 | .0 | 8.6 | 3.1 | NNE |
| NE | 3 | 5.7 | 5.7 | 8.6 | .0 | .0 | .0 | 20.0 | 2.6 | NE |
| ENE | 4 | 5.7 | 2.9 | .0 | .0 | .0 | .0 | 8.6 | 1.2 | ENE |
| E | 5 | 2.9 | .0 | .0 | .0 | .0 | .0 | 2.9 | .8 | E |
| ESE | 6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | ESE |
| SE | 7 | 2.9 | .0 | .0 | .0 | .0 | .0 | 2.9 | 1.2 | 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 | 20.0 | 2.9 | .0 | .0 | .0 | 22.9 | 2.9 | SSW |
| SW | 11 | .0 | 14.3 | 2.9 | .0 | .0 | .0 | 17.1 | 3.2 | SW |
| WSW | 12 | .0 | 5.7 | .0 | .0 | .0 | .0 | 5.7 | 2.7 | WSW |
| W | 13 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | W |
| WNW | 14 | .0 | 2.9 | .0 | .0 | .0 | .0 | 2.9 | 3.1 | WNW |
| NW | 15 | .0 | 2.9 | .0 | .0 | .0 | .0 | 2.9 | 3.3 | NW |
| NNW | 16 | .0 | 2.9 | .0 | .0 | .0 | .0 | 2.9 | 3.2 | NNW |
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| N | 1 | 3.8 | .0 | .0 | .0 | .0 | .0 | 3.8 | 1.2 | 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)

SPILL 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 | N |
| NNE | 2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | NNE |
| NE | 3 | 4.0 | 4.0 | .0 | .0 | .0 | .0 | 8.0 | 2.3 | NE |
| ENE | 4 | 4.0 | 4.0 | .0 | .0 | .0 | .0 | 8.0 | 1.7 | ENE |
| E | 5 | 24.0 | 4.0 | .0 | .0 | .0 | .0 | 28.0 | 1.2 | E |
| ESE | 6 | 4.0 | .0 | .0 | .0 | .0 | .0 | 4.0 | .8 | ESE |
| SE | 7 | 4.0 | .0 | .0 | .0 | .0 | .0 | 4.0 | .8 | SE |
| SSE | 8 | .0 | 4.0 | .0 | .0 | .0 | .0 | 4.0 | 3.2 | SSE |
| S | 9 | 4.0 | 4.0 | .0 | .0 | .0 | .0 | 8.0 | 1.9 | S |
| SSW | 10 | 4.0 | 4.0 | .0 | .0 | .0 | .0 | 8.0 | 2.0 | SSW |
| SW | 11 | .0 | 8.0 | 4.0 | .0 | .0 | .0 | 12.0 | 3.2 | SW |
| WSW | 12 | .0 | 4.0 | .0 | .0 | .0 | .0 | 4.0 | 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 | 4.0 | .0 | .0 | .0 | .0 | .0 | 4.0 | .8 | NW |
| NNW | 16 | 4.0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 1.1 | NNW |
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 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

| | | 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 | 1.6 | 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)

SPILL 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

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 | 3.4 | 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

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 3.1 | .0 | 6.3 | .0 | .0 | .0 | 9.4 | 2.8 | NNE |
| NE | 3 | .0 | .0 | 3.1 | .0 | .0 | .0 | 3.1 | 4.3 | NE |
| ENE | 4 | 6.3 | .0 | .0 | .0 | .0 | .0 | 6.3 | .9 | ENE |
| E | 5 | 3.1 | .0 | .0 | .0 | .0 | .0 | 3.1 | 1.0 | E |
| ESE | 6 | 3.1 | .0 | .0 | .0 | .0 | .0 | 3.1 | 1.0 | ESE |
| SE | 7 | 3.1 | 6.3 | .0 | .0 | .0 | .0 | 9.4 | 2.1 | SE |
| SSE | 8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | SSE |
| S | 9 | 3.1 | .0 | .0 | .0 | .0 | .0 | 3.1 | 1.2 | S |
| SSW | 10 | 6.3 | .0 | 3.1 | .0 | .0 | .0 | 9.4 | 2.5 | SSW |
| SW | 11 | 3.1 | .0 | 6.3 | .0 | .0 | .0 | 9.4 | 2.9 | SW |
| WSW | 12 | .0 | 6.3 | 6.3 | .0 | .0 | .0 | 12.5 | 3.2 | WSW |
| W | 13 | .0 | 3.1 | .0 | .0 | .0 | .0 | 3.1 | 1.8 | 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 | 3.9 | NNW |
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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

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 | 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

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 | .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

| | | 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 | 3.2 | .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

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 | 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)

SPILL 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | .0 | 1.7 | 4.3 | 1.7 | .0 | .0 | 7.8 | 4.1 | NNE |
| NE | 3 | .9 | .0 | 1.7 | .0 | .0 | .0 | 2.6 | 3.3 | NE |
| ENE | 4 | 1.7 | .0 | .9 | .0 | .0 | .0 | 2.6 | 2.0 | ENE |
| E | 5 | .9 | 1.7 | 2.6 | .0 | .0 | .0 | 5.2 | 3.5 | E |
| ESE | 6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | ESE |
| SE | 7 | 2.6 | .9 | .0 | .0 | .0 | .0 | 3.4 | 1.5 | SE |
| SSE | 8 | .9 | .0 | .0 | .0 | .0 | .0 | .9 | 1.0 | SSE |
| S | 9 | 2.6 | .0 | .9 | .0 | .0 | .0 | 3.4 | 1.7 | S |
| SSW | 10 | 1.7 | 2.6 | .9 | 2.6 | 9.5 | 7.8 | 25.0 | 8.8 | SSW |
| SW | 11 | 6.0 | 1.7 | 6.0 | 11.2 | .9 | .9 | 26.7 | 4.8 | SW |
| WSW | 12 | 1.7 | .9 | 5.2 | 3.4 | .0 | .0 | 11.2 | 4.4 | WSW |
| W | 13 | .9 | 2.6 | .0 | .0 | .0 | .0 | 3.4 | 1.9 | W |
| WNW | 14 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | WNW |
| NW | 15 | .0 | .9 | .9 | .0 | .0 | .0 | 1.7 | 3.2 | NW |
| NNW | 16 | .0 | 1.7 | .9 | .0 | .0 | .0 | 2.6 | 3.4 | NNW |
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 1.6 | .8 | .0 | .0 | .0 | .0 | 2.4 | 1.6 | NNE |
| NE | 3 | 2.4 | .4 | .0 | .0 | .0 | .0 | 2.8 | 1.6 | NE |
| ENE | 4 | .4 | .0 | .0 | .0 | .0 | .0 | .4 | 1.8 | ENE |
| E | 5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | E |
| ESE | 6 | .0 | .4 | .0 | .0 | .0 | .0 | .4 | 2.2 | ESE |
| SE | 7 | .0 | .4 | .4 | .0 | .0 | .0 | .8 | 2.9 | SE |
| SSE | 8 | .0 | .0 | .8 | .4 | .0 | .0 | 1.2 | 4.8 | SSE |
| S | 9 | .8 | 1.2 | .0 | 2.0 | .0 | .0 | 3.9 | 4.7 | S |
| SSW | 10 | 1.2 | 1.2 | 2.8 | 24.8 | 5.5 | .0 | 35.4 | 6.8 | SSW |
| SW | 11 | 3.1 | 4.3 | 6.3 | 28.3 | 4.7 | 1.6 | 48.4 | 6.1 | SW |
| WSW | 12 | .8 | .8 | .8 | .0 | .0 | .0 | 2.4 | 2.7 | 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 | .4 | .0 | .0 | .0 | .0 | .4 | 2.4 | NNW |
| 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

WIND SPEED CLASS

| 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

WIND SPEED CLASSES
(MPS)

| | |
|---|---|
| CALM | WS <= .5 |
| 1 | .5< WS <= 1.8 |
| 2 | 1.8< WS <= 3.3 |
| 3 | 3.3< WS <= 5.4 |
| 4 | 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | .0 | .0 | 8.5 | 17.0 | 2.8 | .0 | 28.4 | 6.6 | NNE |
| NE | 3 | 1.4 | 2.8 | 1.4 | .0 | .0 | .0 | 5.7 | 2.9 | NE |
| ENE | 4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | ENE |
| E | 5 | 1.4 | .0 | .0 | .0 | .0 | .0 | 1.4 | 1.2 | E |
| ESE | 6 | .7 | .0 | .0 | .0 | .0 | .0 | .7 | 1.6 | ESE |
| SE | 7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | SE |
| SSE | 8 | .7 | .0 | .0 | .0 | .0 | .0 | .7 | 1.2 | SSE |
| S | 9 | .7 | 2.1 | .0 | .0 | .0 | .0 | 2.8 | 2.2 | S |
| SSW | 10 | 2.8 | 2.1 | .7 | 4.3 | 1.4 | .0 | 11.3 | 4.4 | SSW |
| SW | 11 | 1.4 | 5.7 | 10.6 | 9.2 | .0 | .0 | 27.0 | 4.6 | SW |
| WSW | 12 | 2.1 | 2.1 | .7 | .0 | .0 | .0 | 5.0 | 2.3 | WSW |
| W | 13 | .7 | .7 | .0 | .0 | .0 | .0 | 1.4 | 1.9 | W |
| WNW | 14 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | WNW |
| NW | 15 | .7 | .0 | .0 | .7 | .0 | .0 | 1.4 | 4.9 | NW |
| NNW | 16 | .7 | .7 | 2.1 | .0 | .7 | .0 | 4.3 | 4.4 | NNW |
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | .8 | 3.3 | 5.7 | 13.1 | .8 | .0 | 23.8 | 5.5 | NNE |
| NE | 3 | .0 | 2.5 | 1.6 | .8 | .0 | .0 | 4.9 | 3.6 | NE |
| ENE | 4 | 2.5 | 1.6 | .0 | .0 | .0 | .0 | 4.1 | 1.4 | ENE |
| E | 5 | 5.7 | .8 | .0 | .0 | .0 | .0 | 6.6 | 1.4 | E |
| ESE | 6 | .8 | .0 | .0 | .0 | .0 | .0 | .8 | .7 | ESE |
| SE | 7 | .8 | .0 | .0 | .0 | .0 | .0 | .8 | 1.6 | SE |
| SSE | 8 | .8 | .0 | .0 | .0 | .0 | .0 | .8 | 1.2 | SSE |
| S | 9 | .0 | .8 | .0 | .0 | .0 | .0 | .8 | 2.4 | S |
| SSW | 10 | .8 | .0 | 1.6 | 7.4 | 5.7 | 4.1 | 19.7 | 8.6 | SSW |
| SW | 11 | 1.6 | 1.6 | 4.9 | 4.1 | .0 | .0 | 12.3 | 4.6 | SW |
| WSW | 12 | .8 | 1.6 | 1.6 | .0 | .0 | .0 | 4.1 | 3.4 | WSW |
| W | 13 | .8 | 2.5 | .8 | .0 | .0 | .0 | 4.1 | 2.4 | W |
| WNW | 14 | .0 | .0 | .0 | 2.5 | .0 | .0 | 2.5 | 7.3 | WNW |
| NW | 15 | .0 | .0 | .0 | .0 | 1.6 | .0 | 1.6 | 9.1 | NW |
| NNW | 16 | .8 | .8 | .8 | .8 | .0 | .0 | 3.3 | 3.8 | NNW |
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| N | 1 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | 1.5 | 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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

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 | 2.0 | 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | .0 | 2.1 | .0 | .0 | .0 | .0 | 2.1 | 2.1 | NNE |
| NE | 3 | 6.4 | .0 | .0 | .0 | .0 | .0 | 6.4 | 1.3 | NE |
| ENE | 4 | 6.4 | .0 | .0 | .0 | .0 | .0 | 6.4 | 1.6 | ENE |
| E | 5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | E |
| ESE | 6 | 2.1 | 2.1 | .0 | .0 | .0 | .0 | 4.3 | 1.8 | ESE |
| SE | 7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | SE |
| SSE | 8 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.1 | SSE |
| S | 9 | 10.6 | 4.3 | 2.1 | .0 | .0 | .0 | 17.0 | 1.9 | S |
| SSW | 10 | 6.4 | 4.3 | 2.1 | .0 | .0 | .0 | 12.8 | 2.2 | SSW |
| SW | 11 | 10.6 | 8.5 | .0 | .0 | .0 | .0 | 19.1 | 1.8 | SW |
| WSW | 12 | 4.3 | 6.4 | .0 | .0 | .0 | .0 | 10.6 | 2.2 | WSW |
| W | 13 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.3 | W |
| WNW | 14 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | WNW |
| NW | 15 | 6.4 | 2.1 | .0 | .0 | .0 | .0 | 8.5 | 1.3 | NW |
| NNW | 16 | 6.4 | .0 | .0 | .0 | .0 | .0 | 6.4 | .9 | NNW |
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 6.3 | .3 | .0 | .0 | .0 | .0 | 6.5 | 1.1 | NNE |
| NE | 3 | 3.9 | .0 | .0 | .0 | .0 | .0 | 3.9 | 1.0 | NE |
| ENE | 4 | 4.5 | .3 | .0 | .0 | .0 | .0 | 4.8 | 1.1 | ENE |
| E | 5 | 3.9 | .0 | .0 | .0 | .0 | .0 | 3.9 | .9 | E |
| ESE | 6 | 3.3 | .0 | .0 | .0 | .0 | .0 | 3.3 | .9 | ESE |
| SE | 7 | 3.3 | .0 | .0 | .0 | .0 | .0 | 3.3 | 1.0 | SE |
| SSE | 8 | 3.3 | .0 | .0 | .0 | .0 | .0 | 3.3 | .9 | SSE |
| S | 9 | 3.6 | .3 | .0 | .0 | .0 | .0 | 3.9 | 1.0 | S |
| SSW | 10 | 8.0 | .6 | .0 | .0 | .0 | .0 | 8.6 | 1.0 | SSW |
| SW | 11 | 13.7 | .3 | .0 | .0 | .0 | .0 | 14.0 | 1.0 | SW |
| WSW | 12 | 8.6 | .9 | .0 | .0 | .0 | .0 | 9.5 | 1.0 | WSW |
| W | 13 | 10.4 | .0 | .0 | .0 | .0 | .0 | 10.4 | .9 | W |
| WNW | 14 | 4.5 | .0 | .0 | .0 | .0 | .0 | 4.5 | 1.0 | WNW |
| NW | 15 | 5.1 | .6 | .0 | .0 | .0 | .0 | 5.7 | 1.2 | NW |
| NNW | 16 | 7.1 | .6 | .0 | .0 | .0 | .0 | 7.7 | 1.0 | NNW |
| 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)

SPILL 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 | N |
| NNE | 2 | 3.4 | .8 | .0 | .0 | .0 | .0 | 4.1 | 1.1 | NNE |
| NE | 3 | 3.0 | .4 | .0 | .0 | .0 | .0 | 3.4 | 1.3 | NE |
| ENE | 4 | 2.3 | .4 | .0 | .0 | .0 | .0 | 2.6 | 1.5 | ENE |
| E | 5 | 4.1 | .0 | .0 | .0 | .0 | .0 | 4.1 | 1.1 | E |
| ESE | 6 | 1.9 | .8 | .0 | .0 | .0 | .0 | 2.6 | 1.5 | ESE |
| SE | 7 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | 1.1 | SE |
| SSE | 8 | 4.5 | .4 | .0 | .0 | .0 | .0 | 4.9 | 1.2 | SSE |
| S | 9 | 4.5 | .8 | .0 | .0 | .0 | .0 | 5.3 | 1.2 | S |
| SSW | 10 | 8.6 | .8 | .0 | .0 | .0 | .0 | 9.4 | 1.1 | SSW |
| SW | 11 | 11.7 | .0 | .0 | .0 | .0 | .0 | 11.7 | 1.1 | SW |
| WSW | 12 | 9.4 | .8 | .0 | .0 | .0 | .0 | 10.2 | 1.3 | WSW |
| W | 13 | 7.5 | 1.1 | .0 | .0 | .0 | .0 | 8.6 | 1.2 | W |
| WNW | 14 | 9.0 | .0 | .0 | .0 | .0 | .0 | 9.0 | 1.2 | WNW |
| NW | 15 | 8.3 | .4 | .0 | .0 | .0 | .0 | 8.6 | 1.2 | NW |
| NNW | 16 | 6.0 | .0 | .0 | .0 | .0 | .0 | 6.0 | 1.1 | NNW |
| 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

| | | 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 | 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

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 | 9.3 | 1.0 | .0 | .0 | .0 | .0 | 10.3 | 1.2 | NNE |
| NE | 3 | 3.6 | .0 | .0 | .0 | .0 | .0 | 3.6 | 1.2 | NE |
| ENE | 4 | 2.6 | .5 | .0 | .0 | .0 | .0 | 3.1 | 1.2 | ENE |
| E | 5 | 3.1 | .0 | .0 | .0 | .0 | .0 | 3.1 | 1.2 | E |
| ESE | 6 | .5 | .0 | .0 | .0 | .0 | .0 | .5 | 1.4 | ESE |
| SE | 7 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.0 | SE |
| SSE | 8 | 1.5 | .0 | .0 | .0 | .0 | .0 | 1.5 | .9 | SSE |
| S | 9 | 4.6 | .0 | .0 | .0 | .0 | .0 | 4.6 | .9 | S |
| SSW | 10 | 13.9 | .0 | .0 | .0 | .0 | .0 | 13.9 | 1.1 | SSW |
| SW | 11 | 11.3 | 1.0 | .0 | .0 | .0 | .0 | 12.4 | 1.1 | SW |
| WSW | 12 | 9.3 | .5 | .0 | .0 | .0 | .0 | 9.8 | 1.0 | WSW |
| W | 13 | 7.7 | .0 | .0 | .0 | .0 | .0 | 7.7 | 1.1 | W |
| WNW | 14 | 6.2 | .0 | .0 | .0 | .0 | .0 | 6.2 | .9 | WNW |
| NW | 15 | 4.6 | .0 | .0 | .0 | .0 | .0 | 4.6 | 1.0 | NW |
| NNW | 16 | 6.2 | 1.0 | .0 | .0 | .0 | .0 | 7.2 | 1.2 | NNW |
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 1.5 | 1.1 | .8 | .3 | .0 | .0 | 3.6 | 2.7 | NNE |
| NE | 3 | 1.2 | .9 | .3 | .4 | .0 | .0 | 2.8 | 2.8 | NE |
| ENE | 4 | 2.4 | 1.5 | .4 | .1 | .0 | .0 | 4.4 | 1.9 | ENE |
| E | 5 | 2.4 | .7 | .0 | .0 | .0 | .0 | 3.1 | 1.5 | E |
| ESE | 6 | 2.2 | .1 | .1 | .0 | .0 | .0 | 2.4 | 1.4 | ESE |
| SE | 7 | 2.0 | .7 | .0 | .0 | .0 | .0 | 2.7 | 1.3 | SE |
| SSE | 8 | 1.7 | .3 | .0 | .0 | .0 | .0 | 2.0 | 1.2 | SSE |
| S | 9 | 3.4 | 1.1 | .0 | .0 | .0 | .0 | 4.4 | 1.5 | S |
| SSW | 10 | 3.8 | 2.8 | 1.6 | .9 | .5 | 1.1 | 10.8 | 4.0 | SSW |
| SW | 11 | 5.2 | 4.6 | 7.3 | 5.8 | 1.3 | 1.3 | 25.5 | 4.5 | SW |
| WSW | 12 | 4.6 | 1.9 | 3.6 | 2.4 | .3 | .0 | 12.8 | 3.5 | WSW |
| W | 13 | 2.2 | 1.2 | 1.7 | .5 | .0 | .0 | 5.6 | 2.9 | W |
| WNW | 14 | 1.7 | .9 | .7 | .1 | .0 | .0 | 3.5 | 2.3 | WNW |
| NW | 15 | 2.7 | .8 | 1.1 | .5 | .0 | .0 | 5.1 | 2.7 | NW |
| NNW | 16 | 1.7 | 1.3 | .9 | .7 | .0 | .0 | 4.7 | 3.0 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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 | N |
| NNE | 2 | 2.5 | 1.2 | .4 | .1 | .0 | .0 | 4.3 | 1.9 | NNE |
| NE | 3 | 2.2 | 1.2 | .3 | .0 | .0 | .0 | 3.7 | 1.8 | NE |
| ENE | 4 | 2.4 | 1.0 | .0 | .0 | .0 | .0 | 3.3 | 1.5 | ENE |
| E | 5 | 2.2 | .7 | .0 | .1 | .0 | .0 | 3.1 | 1.6 | E |
| ESE | 6 | 1.9 | .3 | .0 | .1 | .0 | .0 | 2.4 | 1.5 | ESE |
| SE | 7 | 2.1 | .3 | .1 | .0 | .0 | .0 | 2.5 | 1.3 | SE |
| SSE | 8 | 1.5 | .4 | .3 | .0 | .0 | .0 | 2.2 | 1.7 | SSE |
| S | 9 | 3.1 | .6 | .6 | .3 | .0 | .0 | 4.4 | 2.0 | S |
| SSW | 10 | 2.2 | 1.5 | 2.1 | 2.4 | 3.6 | .1 | 11.9 | 5.7 | SSW |
| SW | 11 | 5.4 | 4.4 | 5.8 | 11.8 | 2.6 | .0 | 30.1 | 4.9 | SW |
| WSW | 12 | 5.4 | 2.9 | 1.4 | 1.0 | .0 | .0 | 10.7 | 2.4 | WSW |
| W | 13 | 2.5 | .6 | .0 | .0 | .0 | .0 | 3.1 | 1.4 | W |
| WNW | 14 | 1.2 | .6 | .1 | .1 | .0 | .0 | 2.1 | 2.0 | WNW |
| NW | 15 | 1.8 | .4 | .3 | .8 | .0 | .0 | 3.3 | 3.1 | NW |
| NNW | 16 | 3.3 | .6 | .0 | .4 | .0 | .0 | 4.3 | 1.9 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 5.8 | 1.2 | 1.8 | 2.8 | 1.6 | .0 | 13.1 | 4.0 | NNE |
| NE | 3 | 4.0 | .8 | 1.2 | .2 | .0 | .0 | 6.2 | 2.0 | NE |
| ENE | 4 | 4.4 | 1.8 | .4 | .0 | .0 | .0 | 6.5 | 1.4 | ENE |
| E | 5 | 5.4 | .6 | .0 | .0 | .0 | .0 | 6.0 | 1.3 | E |
| ESE | 6 | 3.4 | .6 | .0 | .0 | .0 | .0 | 4.0 | 1.2 | ESE |
| SE | 7 | 2.0 | .4 | .0 | .0 | .0 | .0 | 2.4 | 1.4 | SE |
| SSE | 8 | 2.8 | .4 | .0 | .0 | .0 | .0 | 3.2 | 1.3 | SSE |
| S | 9 | 3.8 | .4 | .0 | .0 | .0 | .0 | 4.2 | 1.2 | S |
| SSW | 10 | 3.2 | 1.0 | .6 | .8 | 1.4 | 1.4 | 8.3 | 5.5 | SSW |
| SW | 11 | 3.4 | 2.8 | 1.0 | 1.4 | .4 | .4 | 9.3 | 3.7 | SW |
| WSW | 12 | 4.2 | 1.8 | .6 | .4 | .0 | .0 | 6.9 | 2.0 | WSW |
| W | 13 | 3.8 | .6 | .4 | .0 | .0 | .0 | 4.8 | 1.6 | W |
| WNW | 14 | 3.0 | 1.6 | .0 | .4 | .2 | .0 | 5.2 | 2.3 | WNW |
| NW | 15 | 3.2 | 1.8 | .2 | .0 | .4 | .0 | 5.6 | 2.4 | NW |
| NNW | 16 | 3.4 | .4 | .2 | .4 | .0 | .0 | 4.4 | 1.8 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 3.2 | 1.3 | 1.3 | .0 | .0 | .0 | 5.8 | 2.1 | NNE |
| NE | 3 | 3.2 | 1.3 | 1.3 | .0 | .0 | .0 | 5.8 | 2.2 | NE |
| ENE | 4 | 5.2 | 1.3 | .0 | .0 | .0 | .0 | 6.5 | 1.4 | ENE |
| E | 5 | 4.5 | 1.3 | .0 | .0 | .0 | .0 | 5.8 | 1.5 | E |
| ESE | 6 | 1.9 | .6 | .6 | .0 | .0 | .0 | 3.2 | 1.9 | ESE |
| SE | 7 | 1.9 | .0 | .6 | 1.9 | .0 | .0 | 4.5 | 3.5 | SE |
| SSE | 8 | 5.2 | .6 | .0 | .0 | .0 | .0 | 5.8 | 1.1 | SSE |
| S | 9 | 4.5 | 1.3 | .0 | .0 | .0 | .0 | 5.8 | 1.4 | S |
| SSW | 10 | 4.5 | .6 | .0 | .0 | .0 | .0 | 5.2 | 1.2 | SSW |
| SW | 11 | 5.8 | 1.3 | .6 | 3.2 | .0 | .0 | 11.0 | 3.1 | SW |
| WSW | 12 | 7.1 | 1.9 | .0 | 1.3 | .0 | .0 | 10.3 | 1.9 | WSW |
| W | 13 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | 1.2 | W |
| WNW | 14 | 3.2 | .6 | .0 | .0 | .0 | .0 | 3.9 | 1.2 | WNW |
| NW | 15 | 2.6 | 5.2 | .0 | .0 | .0 | .0 | 7.7 | 2.0 | NW |
| NNW | 16 | 1.3 | 2.6 | .0 | .0 | .0 | .0 | 3.9 | 1.9 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.0 | NNE |
| NE | 3 | 5.7 | .0 | .0 | .0 | .0 | .0 | 5.7 | .8 | NE |
| ENE | 4 | 7.1 | .0 | .0 | .0 | .0 | .0 | 7.1 | .9 | ENE |
| E | 5 | 3.6 | .0 | .0 | .0 | .0 | .0 | 3.6 | 1.0 | E |
| ESE | 6 | 2.1 | .7 | .0 | .0 | .0 | .0 | 2.9 | 1.3 | ESE |
| SE | 7 | 5.7 | .0 | .0 | .0 | .0 | .0 | 5.7 | .7 | SE |
| SSE | 8 | 4.3 | .0 | .0 | .0 | .0 | .0 | 4.3 | 1.1 | SSE |
| S | 9 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.0 | S |
| SSW | 10 | 10.0 | .0 | .0 | .0 | .0 | 2.1 | 12.1 | 3.1 | SSW |
| SW | 11 | 10.0 | 1.4 | .0 | .0 | .0 | 1.4 | 12.9 | 2.3 | SW |
| WSW | 12 | 5.0 | .7 | .0 | 3.6 | .0 | .0 | 9.3 | 3.3 | WSW |
| W | 13 | 2.9 | .0 | .0 | .0 | .0 | .0 | 2.9 | .7 | W |
| WNW | 14 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.0 | WNW |
| NW | 15 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.0 | NW |
| NNW | 16 | 1.4 | .7 | .0 | .0 | .0 | .0 | 2.1 | 1.6 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 2.7 | 1.3 | 4.0 | 2.7 | .7 | .0 | 11.3 | 4.3 | NNE |
| NE | 3 | 3.3 | 2.7 | 4.7 | 1.3 | .0 | .0 | 12.0 | 3.2 | NE |
| ENE | 4 | 2.7 | 2.0 | 1.3 | .0 | .0 | .0 | 6.0 | 2.2 | ENE |
| E | 5 | 4.0 | .0 | .0 | .0 | .0 | .0 | 4.0 | .8 | E |
| ESE | 6 | 2.0 | .7 | .0 | .0 | .0 | .0 | 2.7 | 1.2 | ESE |
| SE | 7 | 5.3 | .7 | .0 | .0 | .0 | .0 | 6.0 | 1.4 | SE |
| SSE | 8 | 2.7 | .7 | .0 | .0 | .0 | .0 | 3.3 | 1.4 | SSE |
| S | 9 | 4.0 | 1.3 | .0 | .0 | .0 | .0 | 5.3 | 1.4 | S |
| SSW | 10 | 3.3 | 2.0 | .7 | .0 | .7 | 1.3 | 8.0 | 4.6 | SSW |
| SW | 11 | .0 | .7 | 3.3 | 2.0 | 2.0 | .7 | 8.7 | 6.3 | SW |
| WSW | 12 | 2.7 | .0 | 4.7 | 2.0 | .0 | .0 | 9.3 | 3.9 | WSW |
| W | 13 | 2.7 | .0 | .7 | .0 | .0 | .0 | 3.3 | 1.4 | W |
| WNW | 14 | 1.3 | .0 | .0 | .0 | .0 | .0 | 1.3 | .7 | WNW |
| NW | 15 | .7 | .7 | .0 | .0 | .0 | .0 | 1.3 | 1.3 | NW |
| NNW | 16 | 1.3 | 1.3 | .0 | .7 | 2.0 | .0 | 5.3 | 5.5 | NNW |
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 1.3 | .0 | .0 | .0 | .0 | .0 | 1.3 | 1.4 | NNE |
| NE | 3 | 1.3 | .6 | .0 | .0 | .0 | .0 | 1.9 | 1.5 | NE |
| ENE | 4 | 5.8 | .6 | .0 | .0 | .0 | .0 | 6.5 | 1.2 | ENE |
| E | 5 | 7.7 | .0 | .0 | .0 | .0 | .0 | 7.7 | 1.0 | E |
| ESE | 6 | 7.7 | .0 | .0 | .0 | .0 | .0 | 7.7 | 1.0 | ESE |
| SE | 7 | 4.5 | .0 | .0 | .0 | .0 | .0 | 4.5 | 1.0 | SE |
| SSE | 8 | 7.1 | .0 | .0 | .0 | .0 | .0 | 7.1 | 1.0 | SSE |
| S | 9 | 8.4 | 1.3 | .0 | .0 | .0 | .0 | 9.7 | 1.3 | S |
| SSW | 10 | 5.8 | 1.3 | 3.2 | .6 | .0 | .0 | 11.0 | 2.7 | SSW |
| SW | 11 | 3.2 | 3.2 | 4.5 | 3.2 | 1.3 | .0 | 15.5 | 4.1 | SW |
| WSW | 12 | 1.3 | .0 | 1.9 | 1.9 | .6 | .0 | 5.8 | 5.1 | WSW |
| W | 13 | .6 | .0 | 1.3 | .0 | .0 | .0 | 1.9 | 3.1 | W |
| WNW | 14 | .6 | .0 | .0 | .0 | .0 | .0 | .6 | 1.6 | WNW |
| NW | 15 | 1.9 | 1.3 | .6 | .0 | .0 | .0 | 3.9 | 2.3 | NW |
| NNW | 16 | .0 | .6 | 1.3 | .6 | .0 | .0 | 2.6 | 4.5 | NNW |
| 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)

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 | 2.7 | .7 | 1.3 | .0 | .0 | .0 | 4.7 | 2.3 | NNE |
| NE | 3 | 3.3 | .7 | .0 | .0 | .0 | .0 | 4.0 | 1.1 | NE |
| ENE | 4 | 4.7 | 4.0 | 1.3 | .0 | .0 | .0 | 10.0 | 1.9 | ENE |
| E | 5 | 6.0 | 2.7 | .7 | .0 | .0 | .0 | 9.3 | 1.6 | E |
| ESE | 6 | 2.7 | .7 | .0 | .0 | .0 | .0 | 3.3 | 1.4 | ESE |
| SE | 7 | 8.0 | .7 | .0 | .0 | .0 | .0 | 8.7 | 1.1 | SE |
| SSE | 8 | 2.0 | .7 | .7 | .7 | .0 | .0 | 4.0 | 2.5 | SSE |
| S | 9 | 8.7 | .7 | .0 | .0 | .0 | .0 | 9.3 | 1.1 | S |
| SSW | 10 | 6.0 | 3.3 | .0 | .7 | 2.7 | .7 | 13.3 | 3.9 | SSW |
| SW | 11 | 3.3 | .0 | 3.3 | 2.0 | 2.0 | 1.3 | 12.0 | 5.5 | SW |
| WSW | 12 | 2.0 | .7 | .0 | .0 | .7 | .0 | 3.3 | 2.7 | WSW |
| W | 13 | 2.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 1.0 | W |
| WNW | 14 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | WNW |
| NW | 15 | .7 | .7 | .0 | .0 | .0 | .0 | 1.3 | 1.9 | NW |
| NNW | 16 | 1.3 | 1.3 | .7 | .0 | .0 | .0 | 3.3 | 2.2 | NNW |
| 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)

| | | 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 | 2.0 | .7 | .7 | .7 | .0 | .0 | 4.0 | 2.6 | NNE |
| NE | 3 | 4.0 | .0 | .0 | .0 | .0 | .0 | 4.0 | .9 | NE |
| ENE | 4 | 6.7 | 1.3 | .0 | .0 | .0 | .0 | 8.0 | 1.3 | ENE |
| E | 5 | 5.3 | 1.3 | .0 | .0 | .0 | .0 | 6.7 | 1.3 | E |
| ESE | 6 | 6.0 | .0 | .0 | .0 | .0 | .0 | 6.0 | 1.0 | ESE |
| SE | 7 | 8.0 | .0 | .7 | .0 | .0 | .0 | 8.7 | 1.2 | SE |
| SSE | 8 | 1.3 | 1.3 | .0 | .0 | .0 | .0 | 2.7 | 1.7 | SSE |
| S | 9 | 6.0 | .0 | .7 | .0 | .0 | .0 | 6.7 | 1.5 | S |
| SSW | 10 | 4.7 | 2.7 | 1.3 | 2.0 | 4.7 | .0 | 15.3 | 4.8 | SSW |
| SW | 11 | 4.7 | 1.3 | 1.3 | 2.7 | .7 | .0 | 10.7 | 3.6 | SW |
| WSW | 12 | 5.3 | .7 | .0 | .0 | .0 | .0 | 6.0 | 1.2 | WSW |
| W | 13 | .0 | .7 | .0 | .0 | .0 | .0 | .7 | 2.0 | W |
| WNW | 14 | .0 | .7 | .0 | .0 | .0 | .0 | .7 | 2.0 | WNW |
| NW | 15 | .7 | .0 | .7 | .0 | .0 | .0 | 1.3 | 2.8 | NW |
| NNW | 16 | .7 | .7 | .0 | .0 | .0 | .0 | 1.3 | 1.3 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 4.5 | .0 | .0 | .0 | .0 | .0 | 4.5 | 1.0 | NNE |
| NE | 3 | 5.2 | .0 | .0 | .0 | .0 | .0 | 5.2 | 1.1 | NE |
| ENE | 4 | 4.5 | 1.3 | .0 | .0 | .0 | .0 | 5.8 | 1.3 | ENE |
| E | 5 | 9.1 | 1.3 | .0 | .0 | .0 | .0 | 10.4 | 1.3 | E |
| ESE | 6 | 3.9 | .0 | .0 | .0 | .0 | .0 | 3.9 | 1.1 | ESE |
| SE | 7 | 1.9 | 1.9 | .0 | .0 | .0 | .0 | 3.9 | 1.8 | SE |
| SSE | 8 | 1.3 | .6 | .0 | .0 | .0 | .0 | 1.9 | 1.1 | SSE |
| S | 9 | 4.5 | .6 | .0 | .0 | .0 | .0 | 5.2 | 1.2 | S |
| SSW | 10 | 6.5 | .0 | 1.9 | 4.5 | 4.5 | .0 | 17.5 | 5.2 | SSW |
| SW | 11 | 1.3 | .6 | .6 | 4.5 | 2.6 | .6 | 10.4 | 7.1 | SW |
| WSW | 12 | 2.6 | 1.3 | .6 | .0 | .0 | .0 | 4.5 | 1.5 | WSW |
| W | 13 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | 1.2 | W |
| WNW | 14 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | 1.0 | WNW |
| NW | 15 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | .8 | NW |
| NNW | 16 | 1.3 | .0 | .0 | .0 | .0 | .0 | 1.3 | 1.0 | NNW |
| 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)

WIND SPEED CLASS

| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 6.0 | .0 | .7 | 6.0 | 4.0 | .7 | 17.3 | 5.5 | NNE |
| NE | 3 | 8.0 | .0 | 1.3 | .0 | .0 | .0 | 9.3 | 1.4 | NE |
| ENE | 4 | 6.0 | .0 | .7 | .0 | .0 | .0 | 6.7 | 1.2 | ENE |
| E | 5 | 7.3 | 1.3 | .0 | .0 | .0 | .0 | 8.7 | 1.1 | E |
| ESE | 6 | 4.0 | .0 | .0 | .0 | .0 | .0 | 4.0 | .9 | ESE |
| SE | 7 | 2.7 | .0 | .0 | .0 | .0 | .0 | 2.7 | 1.0 | SE |
| SSE | 8 | 3.3 | .7 | .0 | .0 | .0 | .0 | 4.0 | 1.1 | SSE |
| S | 9 | 6.0 | .0 | .0 | .0 | .0 | .0 | 6.0 | .9 | S |
| SSW | 10 | 2.7 | 1.3 | .0 | .0 | .0 | .0 | 4.0 | 1.5 | SSW |
| SW | 11 | 6.7 | .0 | .0 | .0 | .0 | .0 | 6.7 | .9 | SW |
| WSW | 12 | 2.7 | .7 | .0 | .0 | .0 | .0 | 3.3 | 1.3 | WSW |
| W | 13 | 4.7 | .7 | .7 | .0 | .0 | .0 | 6.0 | 1.2 | W |
| WNW | 14 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | WNW |
| NW | 15 | 1.3 | .0 | .0 | .0 | .0 | .0 | 1.3 | .8 | NW |
| NNW | 16 | .7 | .0 | .0 | .0 | .0 | .0 | .7 | 1.2 | NNW |
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 5.3 | .0 | 1.1 | 3.2 | .0 | .0 | 9.5 | 3.5 | NNE |
| NE | 3 | 5.3 | .0 | .0 | .0 | .0 | .0 | 5.3 | .8 | NE |
| ENE | 4 | 7.4 | 2.1 | .0 | .0 | .0 | .0 | 9.5 | 1.2 | ENE |
| E | 5 | 6.3 | .0 | .0 | .0 | .0 | .0 | 6.3 | .7 | E |
| ESE | 6 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | .9 | ESE |
| SE | 7 | 5.3 | .0 | .0 | .0 | .0 | .0 | 5.3 | .9 | SE |
| SSE | 8 | 4.2 | .0 | .0 | .0 | .0 | .0 | 4.2 | .8 | SSE |
| S | 9 | 5.3 | .0 | .0 | .0 | .0 | .0 | 5.3 | 1.2 | S |
| SSW | 10 | 5.3 | .0 | .0 | .0 | .0 | .0 | 5.3 | 1.0 | SSW |
| SW | 11 | 4.2 | 1.1 | 1.1 | .0 | .0 | .0 | 6.3 | 1.7 | SW |
| WSW | 12 | 8.4 | .0 | .0 | .0 | .0 | .0 | 8.4 | 1.0 | WSW |
| W | 13 | 2.1 | 1.1 | .0 | .0 | .0 | .0 | 3.2 | 1.2 | W |
| WNW | 14 | 2.1 | 1.1 | .0 | .0 | .0 | .0 | 3.2 | 1.4 | WNW |
| NW | 15 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.1 | NW |
| NNW | 16 | 2.1 | 1.1 | 2.1 | 1.1 | .0 | 1.1 | 7.4 | 4.6 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 7.6 | 1.0 | .0 | 3.8 | 2.9 | .0 | 15.2 | 4.3 | NNE |
| NE | 3 | 4.8 | 1.0 | 1.0 | .0 | .0 | .0 | 6.7 | 1.7 | NE |
| ENE | 4 | 6.7 | .0 | .0 | .0 | .0 | .0 | 6.7 | 1.1 | ENE |
| E | 5 | 8.6 | 1.0 | .0 | .0 | .0 | .0 | 9.5 | 1.4 | E |
| ESE | 6 | 5.7 | .0 | .0 | .0 | .0 | .0 | 5.7 | 1.1 | ESE |
| SE | 7 | 2.9 | .0 | .0 | .0 | .0 | .0 | 2.9 | 1.5 | SE |
| SSE | 8 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | 1.5 | SSE |
| S | 9 | 3.8 | .0 | .0 | .0 | .0 | .0 | 3.8 | 1.0 | S |
| SSW | 10 | 4.8 | 1.0 | .0 | .0 | 2.9 | 1.0 | 9.5 | 4.9 | SSW |
| SW | 11 | 2.9 | 1.0 | .0 | 1.9 | 1.0 | .0 | 6.7 | 4.2 | SW |
| WSW | 12 | 2.9 | 1.9 | .0 | .0 | .0 | .0 | 4.8 | 1.6 | WSW |
| W | 13 | 1.9 | .0 | .0 | .0 | .0 | .0 | 1.9 | .8 | W |
| WNW | 14 | 3.8 | 1.0 | .0 | 1.0 | 1.0 | .0 | 6.7 | 3.3 | WNW |
| NW | 15 | 4.8 | .0 | .0 | .0 | .0 | .0 | 4.8 | 1.1 | NW |
| NNW | 16 | 3.8 | 1.0 | .0 | .0 | .0 | .0 | 4.8 | 1.4 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 3.2 | .5 | 1.4 | .0 | .0 | .0 | 5.1 | 2.2 | NNE |
| NE | 3 | 2.8 | 1.8 | .5 | .0 | .0 | .0 | 5.1 | 1.9 | NE |
| ENE | 4 | 1.8 | .9 | .0 | .0 | .0 | .0 | 2.8 | 1.4 | ENE |
| E | 5 | 5.5 | 2.8 | .5 | .0 | .0 | .0 | 8.8 | 1.7 | E |
| ESE | 6 | 3.7 | 1.8 | 1.8 | .0 | .0 | .0 | 7.4 | 2.0 | ESE |
| SE | 7 | 5.1 | .9 | 3.2 | .9 | .0 | .0 | 10.1 | 2.6 | SE |
| SSE | 8 | 5.5 | 1.8 | .5 | .0 | .0 | .0 | 7.8 | 1.5 | SSE |
| S | 9 | 3.2 | .5 | .5 | .0 | .0 | .0 | 4.1 | 1.6 | S |
| SSW | 10 | 2.3 | .5 | .0 | .0 | .0 | .0 | 2.8 | 1.2 | SSW |
| SW | 11 | 3.7 | .9 | .5 | 6.5 | .0 | .0 | 11.5 | 4.8 | SW |
| WSW | 12 | 1.4 | .0 | 1.4 | .5 | .0 | .0 | 3.2 | 3.4 | WSW |
| W | 13 | 2.3 | .0 | .9 | .5 | .0 | .0 | 3.7 | 2.6 | W |
| WNW | 14 | 1.4 | .5 | .0 | .0 | .0 | .0 | 1.8 | 1.8 | WNW |
| NW | 15 | 1.4 | 1.4 | 1.8 | .0 | .0 | .0 | 4.6 | 2.8 | NW |
| NNW | 16 | .5 | 1.8 | .5 | .5 | .0 | .0 | 3.2 | 3.3 | NNW |
| CALM | | 14.3 | | | | | | 14.3 | | |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

SPILL TEST FACILITY 24 METER TOWER

8 METER HEIGHT - Late Mid-Day

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

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 1.9 | 1.9 | 4.3 | 5.7 | 1.0 | 1.0 | 15.7 | 5.5 | NNE |
| NE | 3 | 1.4 | 1.4 | 2.4 | 1.0 | .0 | .0 | 6.2 | 3.6 | NE |
| ENE | 4 | .0 | 1.0 | 1.4 | .0 | .0 | .0 | 2.4 | 3.3 | ENE |
| E | 5 | 1.4 | .0 | .0 | .0 | .0 | .0 | 1.4 | 1.2 | E |
| ESE | 6 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.4 | ESE |
| SE | 7 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | SE |
| SSE | 8 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.9 | 1.7 | SSE |
| S | 9 | 2.4 | 1.4 | .0 | .0 | .0 | .0 | 3.8 | 1.5 | S |
| SSW | 10 | .5 | 3.8 | 3.3 | 2.4 | 1.4 | 2.9 | 14.3 | 6.6 | SSW |
| SW | 11 | 1.0 | 1.4 | 10.5 | 15.7 | 4.8 | 1.9 | 35.2 | 6.5 | SW |
| WSW | 12 | .0 | 1.0 | 1.0 | 1.4 | .0 | .0 | 3.3 | 4.5 | WSW |
| W | 13 | .5 | .0 | .5 | .0 | .0 | .0 | 1.0 | 2.5 | W |
| WNW | 14 | 1.0 | .5 | .5 | .0 | .0 | .0 | 1.9 | 2.0 | WNW |
| NW | 15 | .5 | 1.0 | .5 | .0 | .0 | .0 | 1.9 | 2.4 | NW |
| NNW | 16 | .5 | .0 | .5 | .0 | .5 | .0 | 1.4 | 4.5 | NNW |
| 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)

WIND SPEED CLASS

| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 1.0 | 2.4 | 1.4 | .5 | .0 | .5 | 5.7 | 3.9 | NNE |
| NE | 3 | 1.0 | 1.9 | 2.4 | .0 | .5 | .0 | 5.7 | 3.7 | NE |
| ENE | 4 | .0 | 3.3 | .5 | .0 | .0 | .0 | 3.8 | 2.6 | ENE |
| E | 5 | .0 | 1.4 | .0 | .0 | .0 | .0 | 1.4 | 2.5 | E |
| ESE | 6 | .5 | 1.0 | .0 | .0 | .0 | .0 | 1.4 | 1.9 | ESE |
| SE | 7 | 1.0 | 1.4 | .5 | 1.4 | .0 | .0 | 4.3 | 3.6 | SE |
| SSE | 8 | 1.4 | 1.9 | .5 | .0 | .0 | .0 | 3.8 | 2.4 | SSE |
| S | 9 | .5 | 2.4 | 1.0 | .0 | .0 | .0 | 3.8 | 2.6 | S |
| SSW | 10 | 1.0 | 2.4 | 1.0 | 3.3 | 3.8 | 6.2 | 17.6 | 8.2 | SSW |
| SW | 11 | .5 | 1.4 | 10.5 | 12.9 | 6.2 | 2.4 | 33.8 | 6.5 | SW |
| WSW | 12 | .5 | 2.4 | .0 | 5.2 | .0 | .0 | 8.1 | 5.2 | WSW |
| W | 13 | 1.0 | .5 | 1.9 | .0 | .0 | .0 | 3.3 | 3.0 | W |
| WNW | 14 | .5 | 1.0 | .5 | .5 | .0 | .0 | 2.4 | 3.6 | WNW |
| NW | 15 | .0 | 1.0 | .5 | .5 | .0 | .0 | 1.9 | 3.9 | NW |
| NNW | 16 | .0 | 1.4 | .5 | .0 | .0 | .0 | 1.9 | 2.7 | NNW |
| 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)

| | | 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 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.9 | 1.9 | NNE |
| NE | 3 | 1.0 | .0 | .5 | .0 | .0 | .0 | 1.4 | 2.3 | NE |
| ENE | 4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | ENE |
| E | 5 | 1.0 | .5 | .0 | .5 | .0 | .0 | 1.9 | 2.9 | E |
| ESE | 6 | .0 | 1.0 | .0 | .5 | .0 | .0 | 1.4 | 3.5 | ESE |
| SE | 7 | .5 | .5 | .0 | .0 | .0 | .0 | 1.0 | 1.8 | SE |
| SSE | 8 | 1.0 | 1.4 | 1.0 | .0 | .0 | .0 | 3.3 | 2.6 | SSE |
| S | 9 | 2.9 | .5 | .5 | .5 | .0 | .0 | 4.3 | 2.5 | S |
| SSW | 10 | .5 | 1.4 | 4.3 | 4.3 | 10.0 | .5 | 21.0 | 7.5 | SSW |
| SW | 11 | 1.4 | 2.4 | 11.4 | 26.2 | 8.1 | .0 | 49.5 | 6.3 | SW |
| WSW | 12 | 1.0 | 1.9 | 2.9 | 2.9 | .0 | .0 | 8.6 | 4.3 | WSW |
| W | 13 | .5 | 1.4 | .0 | .0 | .0 | .0 | 1.9 | 2.1 | W |
| WNW | 14 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | WNW |
| NW | 15 | .0 | .0 | .5 | 2.9 | .0 | .0 | 3.3 | 6.8 | NW |
| NNW | 16 | .5 | .0 | .0 | .0 | .0 | .0 | .5 | 1.2 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | .0 | .6 | .6 | 1.1 | .0 | .0 | 2.3 | 5.2 | NNE |
| NE | 3 | 2.3 | .6 | .6 | .0 | .0 | .0 | 3.4 | 2.2 | NE |
| ENE | 4 | 2.3 | .6 | .0 | .0 | .0 | .0 | 2.9 | 1.6 | ENE |
| E | 5 | 2.9 | 1.7 | 1.7 | .0 | .0 | .0 | 6.3 | 2.3 | E |
| ESE | 6 | 1.7 | 1.1 | .0 | .0 | .0 | .0 | 2.9 | 1.7 | ESE |
| SE | 7 | .0 | .0 | 1.7 | .6 | .0 | .0 | 2.3 | 5.0 | SE |
| SSE | 8 | 1.1 | .6 | .0 | .0 | .0 | .0 | 1.7 | 1.7 | SSE |
| S | 9 | 1.1 | 1.1 | 2.3 | .0 | .0 | .0 | 4.6 | 3.1 | S |
| SSW | 10 | .6 | 2.9 | 1.7 | .6 | 1.1 | .0 | 6.9 | 4.4 | SSW |
| SW | 11 | 4.6 | 1.7 | 10.3 | 26.3 | 6.9 | 1.1 | 50.9 | 6.2 | SW |
| WSW | 12 | 1.1 | 1.1 | 1.7 | 2.3 | .0 | .0 | 6.3 | 4.2 | WSW |
| W | 13 | .6 | .6 | .0 | .0 | .0 | .0 | 1.1 | 1.8 | W |
| WNW | 14 | .6 | 1.7 | .0 | .0 | .0 | .0 | 2.3 | 2.0 | WNW |
| NW | 15 | .6 | .0 | .0 | .0 | .0 | .0 | .6 | 1.6 | NW |
| NNW | 16 | 1.1 | .6 | .0 | .0 | .0 | .0 | 1.7 | 1.4 | NNW |
| 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)

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 4.1 | .7 | 2.7 | 2.0 | 2.0 | .0 | 11.6 | 4.4 | NNE |
| NE | 3 | 5.4 | .7 | .7 | .0 | .0 | .0 | 6.8 | 1.2 | NE |
| ENE | 4 | 10.2 | 2.0 | 1.4 | .0 | .0 | .0 | 13.6 | 1.3 | ENE |
| E | 5 | 11.6 | 1.4 | .0 | .0 | .0 | .0 | 12.9 | 1.3 | E |
| ESE | 6 | 4.8 | 1.4 | .0 | .0 | .0 | .0 | 6.1 | 1.4 | ESE |
| SE | 7 | 2.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 1.3 | SE |
| SSE | 8 | 2.0 | 1.4 | .0 | .0 | .0 | .0 | 3.4 | 1.6 | SSE |
| S | 9 | 3.4 | .7 | .0 | .0 | .0 | .0 | 4.1 | 1.3 | S |
| SSW | 10 | .0 | .0 | 1.4 | 2.0 | 1.4 | 2.7 | 7.5 | 9.8 | SSW |
| SW | 11 | .7 | .0 | 1.4 | 2.0 | .7 | 1.4 | 6.1 | 7.7 | SW |
| WSW | 12 | .7 | .7 | .0 | .0 | .0 | .0 | 1.4 | 1.6 | WSW |
| W | 13 | .7 | .0 | .0 | .0 | .0 | .0 | .7 | .7 | W |
| WNW | 14 | .7 | .0 | .0 | .7 | .7 | .0 | 2.0 | 5.9 | WNW |
| NW | 15 | .7 | .0 | .0 | .0 | 1.4 | .0 | 2.0 | 7.4 | NW |
| NNW | 16 | 1.4 | .0 | .7 | 1.4 | .0 | .0 | 3.4 | 3.9 | NNW |
| 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)

WIND SPEED CLASS

| 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)

WIND SPEED CLASS

| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 1.9 | 2.6 | 3.2 | 1.3 | .0 | .0 | 9.0 | 3.7 | NNE |
| NE | 3 | .6 | 1.3 | 1.3 | .0 | .0 | .0 | 3.2 | 2.7 | NE |
| ENE | 4 | .6 | .6 | .0 | .0 | .0 | .0 | 1.3 | 1.9 | ENE |
| E | 5 | 1.3 | .0 | .0 | .0 | .0 | .0 | 1.3 | 1.6 | E |
| ESE | 6 | 1.3 | .6 | .0 | .0 | .0 | .0 | 1.9 | 1.4 | ESE |
| SE | 7 | 1.9 | .6 | .6 | .0 | .0 | .0 | 3.2 | 1.9 | SE |
| SSE | 8 | 1.3 | 1.3 | .0 | .6 | .0 | .0 | 3.2 | 2.9 | SSE |
| S | 9 | 1.9 | .0 | 1.3 | 1.9 | .0 | .0 | 5.2 | 4.0 | S |
| SSW | 10 | 3.9 | 1.3 | 1.9 | 3.9 | 3.9 | 4.5 | 19.4 | 7.2 | SSW |
| SW | 11 | 2.6 | 9.0 | 6.5 | 1.9 | 2.6 | .6 | 23.2 | 4.3 | SW |
| WSW | 12 | .6 | 5.2 | 1.9 | .0 | .0 | .0 | 7.7 | 2.8 | WSW |
| W | 13 | 1.9 | .6 | .0 | .0 | .6 | .0 | 3.2 | 3.0 | W |
| WNW | 14 | 1.3 | .6 | .0 | .6 | .0 | .0 | 2.6 | 2.7 | WNW |
| NW | 15 | 2.6 | 5.2 | .0 | 1.3 | .0 | .0 | 9.0 | 2.8 | NW |
| NNW | 16 | .6 | 1.3 | .6 | .6 | .0 | .0 | 3.2 | 3.4 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | .0 | 2.6 | 1.3 | .6 | .0 | .0 | 4.5 | 3.7 | NNE |
| NE | 3 | .6 | 1.3 | 1.3 | 1.9 | .0 | .0 | 5.2 | 4.3 | NE |
| ENE | 4 | 2.6 | 1.9 | 1.3 | .0 | .0 | .0 | 5.8 | 2.5 | ENE |
| E | 5 | .6 | 1.3 | .0 | .0 | .0 | .0 | 1.9 | 2.7 | E |
| ESE | 6 | .6 | .0 | .0 | .0 | .0 | .0 | .6 | 1.6 | ESE |
| SE | 7 | .6 | .0 | .0 | .0 | .0 | .0 | .6 | .6 | SE |
| SSE | 8 | 1.3 | .0 | .0 | .0 | .0 | .0 | 1.3 | 1.3 | SSE |
| S | 9 | .6 | .0 | .0 | .0 | .0 | .0 | .6 | 1.3 | S |
| SSW | 10 | .6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 10.3 | 6.8 | SSW |
| SW | 11 | 1.3 | 7.1 | 11.6 | 9.7 | 2.6 | 1.3 | 33.5 | 5.1 | SW |
| WSW | 12 | .6 | 3.2 | 7.1 | 1.3 | .0 | .0 | 12.3 | 3.8 | WSW |
| W | 13 | 1.3 | 2.6 | 2.6 | .0 | .0 | .0 | 6.5 | 3.0 | W |
| WNW | 14 | .6 | 1.3 | .6 | .0 | .0 | .0 | 2.6 | 2.5 | WNW |
| NW | 15 | 3.2 | .6 | 1.9 | 1.3 | .0 | .0 | 7.1 | 3.5 | NW |
| NNW | 16 | .6 | 1.3 | 1.3 | 1.9 | .0 | .0 | 5.2 | 4.3 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

WIND SPEED CLASS

| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | .8 | 2.4 | 1.6 | .8 | .0 | .0 | 5.6 | 3.5 | NNE |
| NE | 3 | .0 | 2.4 | .0 | .0 | .0 | .0 | 2.4 | 2.3 | NE |
| ENE | 4 | 3.2 | 2.4 | .0 | .0 | .0 | .0 | 5.6 | 1.8 | ENE |
| E | 5 | .8 | .0 | 1.6 | .0 | .0 | .0 | 2.4 | 2.9 | E |
| ESE | 6 | .8 | .0 | .0 | .0 | .0 | .0 | .8 | 1.1 | ESE |
| SE | 7 | .0 | 2.4 | 1.6 | .8 | .0 | .0 | 4.8 | 3.5 | SE |
| SSE | 8 | .0 | .8 | .0 | .0 | .0 | .0 | .8 | 2.1 | SSE |
| S | 9 | .0 | .0 | .8 | .0 | .0 | .0 | .8 | 4.1 | S |
| SSW | 10 | 1.6 | 4.0 | 2.4 | 1.6 | .0 | .0 | 9.6 | 3.3 | SSW |
| SW | 11 | 3.2 | 11.2 | 11.2 | 12.8 | 1.6 | .0 | 40.0 | 4.8 | SW |
| WSW | 12 | 3.2 | 1.6 | 5.6 | .8 | .0 | .0 | 11.2 | 3.4 | WSW |
| W | 13 | .8 | .8 | .8 | .0 | .0 | .0 | 2.4 | 2.6 | W |
| WNW | 14 | .8 | .0 | .0 | .0 | .0 | .0 | .8 | 1.7 | WNW |
| NW | 15 | 2.4 | 2.4 | .0 | .0 | .0 | .0 | 4.8 | 1.7 | NW |
| NNW | 16 | .0 | 2.4 | .0 | .0 | .0 | .0 | 2.4 | 2.3 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 4.7 | 1.3 | 1.3 | 1.3 | .0 | .0 | 8.7 | 2.9 | NNE |
| NE | 3 | .7 | 1.3 | 1.3 | .0 | .0 | .0 | 3.3 | 3.1 | NE |
| ENE | 4 | 2.0 | 1.3 | .0 | .0 | .0 | .0 | 3.3 | 1.9 | ENE |
| E | 5 | .7 | 2.0 | .0 | .0 | .0 | .0 | 2.7 | 2.1 | E |
| ESE | 6 | 2.7 | .7 | .0 | .0 | .0 | .0 | 3.3 | 1.3 | ESE |
| SE | 7 | .0 | .7 | .0 | .0 | .0 | .0 | .7 | 2.8 | SE |
| SSE | 8 | 3.3 | .7 | .0 | .0 | .0 | .0 | 4.0 | 1.5 | SSE |
| S | 9 | .0 | 2.7 | .0 | .0 | .0 | .0 | 2.7 | 2.3 | S |
| SSW | 10 | 2.0 | 3.3 | 1.3 | .0 | .0 | .0 | 6.7 | 2.5 | SSW |
| SW | 11 | 4.0 | 9.3 | 6.7 | 2.7 | .0 | .0 | 22.7 | 3.3 | SW |
| WSW | 12 | 1.3 | 4.7 | 2.7 | .0 | .0 | .0 | 8.7 | 2.8 | WSW |
| W | 13 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | 4.0 | 2.0 | W |
| WNW | 14 | 7.3 | 1.3 | .0 | .0 | .0 | .0 | 8.7 | 1.4 | WNW |
| NW | 15 | 5.3 | 1.3 | .0 | .0 | .0 | .0 | 6.7 | 1.5 | NW |
| NNW | 16 | 2.7 | 2.7 | .0 | .0 | .0 | .0 | 5.3 | 1.8 | NNW |
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 5.3 | 5.3 | 2.1 | .0 | .0 | .0 | 12.6 | 2.1 | NNE |
| NE | 3 | .0 | 3.2 | 1.1 | .0 | .0 | .0 | 4.2 | 2.8 | NE |
| ENE | 4 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.0 | ENE |
| E | 5 | 2.1 | 2.1 | .0 | .0 | .0 | .0 | 4.2 | 1.8 | E |
| ESE | 6 | 1.1 | 1.1 | .0 | .0 | .0 | .0 | 2.1 | 1.6 | ESE |
| SE | 7 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | 1.4 | SE |
| SSE | 8 | 1.1 | .0 | .0 | .0 | .0 | .0 | 1.1 | .9 | SSE |
| S | 9 | 1.1 | 1.1 | .0 | .0 | .0 | .0 | 2.1 | 1.8 | S |
| SSW | 10 | 3.2 | 6.3 | 2.1 | .0 | .0 | .0 | 11.6 | 2.6 | SSW |
| SW | 11 | 3.2 | 5.3 | 3.2 | 1.1 | .0 | .0 | 12.6 | 2.9 | SW |
| WSW | 12 | 6.3 | 2.1 | 3.2 | .0 | .0 | .0 | 11.6 | 2.2 | WSW |
| W | 13 | 7.4 | 2.1 | .0 | .0 | .0 | .0 | 9.5 | 1.4 | W |
| WNW | 14 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | 1.4 | WNW |
| NW | 15 | 2.1 | 1.1 | .0 | .0 | .0 | .0 | 3.2 | 1.2 | NW |
| NNW | 16 | 3.2 | 4.2 | .0 | 1.1 | .0 | .0 | 8.4 | 2.5 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 3.2 | .6 | .6 | .0 | .0 | .0 | 4.5 | 1.7 | NNE |
| NE | 3 | 4.5 | 1.0 | .0 | .0 | .0 | .0 | 5.5 | 1.3 | NE |
| ENE | 4 | 2.3 | .6 | .0 | .0 | .0 | .0 | 2.9 | 1.2 | ENE |
| E | 5 | 2.3 | .3 | .0 | .0 | .0 | .0 | 2.6 | 1.2 | E |
| ESE | 6 | .3 | .0 | .0 | .0 | .0 | .0 | .3 | 1.3 | ESE |
| SE | 7 | 3.9 | .0 | .0 | .0 | .0 | .0 | 3.9 | 1.1 | SE |
| SSE | 8 | 2.6 | 1.0 | .0 | .0 | .0 | .0 | 3.6 | 1.4 | SSE |
| S | 9 | 1.3 | .0 | .3 | .0 | .0 | .0 | 1.6 | 1.7 | S |
| SSW | 10 | 5.2 | .3 | .0 | .3 | .0 | 3.6 | 9.4 | 5.6 | SSW |
| SW | 11 | 11.4 | 2.9 | .0 | .0 | .0 | .0 | 14.3 | 1.3 | SW |
| WSW | 12 | 10.7 | 1.0 | .3 | .6 | .0 | .0 | 12.7 | 1.5 | WSW |
| W | 13 | 7.1 | 1.6 | .0 | .0 | .0 | .0 | 8.8 | 1.2 | W |
| WNW | 14 | 4.2 | .6 | .0 | .0 | .0 | .0 | 4.9 | 1.2 | WNW |
| NW | 15 | 5.5 | 2.3 | .3 | .0 | .0 | .0 | 8.1 | 1.6 | NW |
| NNW | 16 | 3.2 | 1.3 | .6 | .0 | .0 | .0 | 5.2 | 2.0 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 2.9 | .6 | 2.1 | .0 | .0 | .0 | 5.6 | 2.4 | NNE |
| NE | 3 | 2.9 | .3 | .0 | 1.5 | .0 | .0 | 4.7 | 3.1 | NE |
| ENE | 4 | .6 | 1.8 | .0 | .0 | .0 | .0 | 2.3 | 2.0 | ENE |
| E | 5 | 1.5 | .3 | .0 | .0 | .0 | .0 | 1.8 | 1.5 | E |
| ESE | 6 | 1.8 | .6 | .0 | .0 | .0 | .0 | 2.3 | 1.5 | ESE |
| SE | 7 | 1.2 | .3 | .0 | .3 | .0 | .0 | 1.8 | 2.1 | SE |
| SSE | 8 | 1.8 | .6 | .0 | .9 | .0 | .0 | 3.2 | 2.8 | SSE |
| S | 9 | 2.1 | .6 | .0 | .3 | .0 | .0 | 2.9 | 2.0 | S |
| SSW | 10 | 7.9 | 2.3 | .3 | 1.2 | .0 | 2.9 | 14.7 | 4.2 | SSW |
| SW | 11 | 7.9 | 2.3 | 1.5 | .9 | .6 | .3 | 13.5 | 2.7 | SW |
| WSW | 12 | 9.4 | 2.6 | 1.2 | .3 | .0 | .0 | 13.5 | 1.7 | WSW |
| W | 13 | 5.6 | 2.9 | .0 | .0 | .0 | .0 | 8.5 | 1.6 | W |
| WNW | 14 | 4.4 | 1.8 | .0 | .0 | .0 | .0 | 6.2 | 1.4 | WNW |
| NW | 15 | 4.7 | 3.2 | .0 | .0 | .0 | .0 | 7.9 | 1.7 | NW |
| NNW | 16 | 2.9 | .9 | .0 | .0 | .0 | .0 | 3.8 | 1.3 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 2.1 | 3.0 | 1.8 | .9 | .3 | .0 | 8.2 | 3.4 | NNE |
| NE | 3 | 2.4 | 1.8 | .9 | .6 | .0 | .0 | 5.8 | 2.6 | NE |
| ENE | 4 | 2.1 | 1.2 | .6 | .0 | .0 | .0 | 3.9 | 2.0 | ENE |
| E | 5 | 2.4 | .6 | .0 | .0 | .0 | .0 | 3.0 | 1.2 | E |
| ESE | 6 | 1.2 | .3 | .0 | .0 | .0 | .0 | 1.5 | 1.2 | ESE |
| SE | 7 | .6 | .0 | .0 | .0 | .0 | .0 | .6 | 1.1 | SE |
| SSE | 8 | 1.2 | .0 | .0 | .0 | .0 | .0 | 1.2 | 1.1 | SSE |
| S | 9 | 3.3 | .6 | .0 | .0 | .0 | .0 | 3.9 | 1.3 | S |
| SSW | 10 | 7.3 | 3.6 | .9 | 1.2 | .3 | .0 | 13.3 | 2.5 | SSW |
| SW | 11 | 7.3 | 3.9 | 1.5 | .6 | .3 | .0 | 13.6 | 2.4 | SW |
| WSW | 12 | 8.5 | 2.1 | .6 | .0 | .3 | .0 | 11.5 | 1.7 | WSW |
| W | 13 | 3.0 | .6 | .0 | .0 | .0 | .0 | 3.6 | 1.2 | W |
| WNW | 14 | 3.6 | .9 | .3 | .0 | .0 | .0 | 4.8 | 1.7 | WNW |
| NW | 15 | 2.7 | .9 | .0 | .0 | .0 | .0 | 3.6 | 1.4 | NW |
| NNW | 16 | 3.3 | 2.1 | .9 | .3 | .0 | .0 | 6.7 | 2.2 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 3.9 | 2.1 | .9 | .0 | .0 | .0 | 6.9 | 1.9 | NNE |
| NE | 3 | 3.0 | 2.4 | .3 | .0 | .0 | .0 | 5.7 | 1.9 | NE |
| ENE | 4 | 3.0 | 1.2 | .0 | .0 | .0 | .0 | 4.2 | 1.5 | ENE |
| E | 5 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.0 | E |
| ESE | 6 | 1.8 | .0 | .0 | .0 | .0 | .0 | 1.8 | 1.0 | ESE |
| SE | 7 | 1.2 | .3 | .0 | .0 | .0 | .0 | 1.5 | 1.2 | SE |
| SSE | 8 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.0 | SSE |
| S | 9 | 3.9 | .3 | .3 | .0 | .0 | .0 | 4.5 | 1.2 | S |
| SSW | 10 | 2.7 | 1.8 | 1.2 | .3 | .0 | .0 | 6.0 | 2.4 | SSW |
| SW | 11 | 9.7 | 5.1 | .9 | 1.2 | .0 | .0 | 16.9 | 2.2 | SW |
| WSW | 12 | 10.3 | 2.4 | .3 | .0 | .0 | .0 | 13.0 | 1.4 | WSW |
| W | 13 | 5.1 | .3 | .0 | .0 | .0 | .0 | 5.4 | 1.3 | W |
| WNW | 14 | 2.7 | .9 | .0 | .0 | .0 | .0 | 3.6 | 1.4 | WNW |
| NW | 15 | 3.6 | .9 | .3 | .0 | .0 | .0 | 4.8 | 1.5 | NW |
| NNW | 16 | 6.6 | .9 | .0 | .3 | .0 | .0 | 7.9 | 1.6 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 7.6 | 2.3 | .0 | .0 | .0 | .0 | 10.0 | 1.5 | NNE |
| NE | 3 | 3.2 | 4.7 | .3 | .0 | .0 | .0 | 8.2 | 1.9 | NE |
| ENE | 4 | 4.4 | 1.8 | .0 | .0 | .0 | .0 | 6.2 | 1.5 | ENE |
| E | 5 | 2.3 | .9 | .0 | .0 | .0 | .0 | 3.2 | 1.3 | E |
| ESE | 6 | 2.1 | .0 | .3 | .0 | .0 | .0 | 2.3 | 1.4 | ESE |
| SE | 7 | .6 | .3 | .0 | .0 | .0 | .0 | .9 | 1.8 | SE |
| SSE | 8 | 1.2 | .3 | .0 | .0 | .0 | .0 | 1.5 | 1.5 | SSE |
| S | 9 | 3.2 | 1.8 | .3 | .0 | .0 | .0 | 5.3 | 1.8 | S |
| SSW | 10 | 4.7 | 1.2 | .3 | .3 | .0 | .0 | 6.5 | 1.8 | SSW |
| SW | 11 | 7.3 | 2.6 | .6 | .6 | .0 | .0 | 11.1 | 1.9 | SW |
| WSW | 12 | 6.7 | 1.2 | .9 | .0 | .0 | .0 | 8.8 | 1.6 | WSW |
| W | 13 | 5.9 | 1.2 | .3 | .0 | .0 | .0 | 7.3 | 1.3 | W |
| WNW | 14 | 4.1 | .9 | .0 | .0 | .0 | .0 | 5.0 | 1.2 | WNW |
| NW | 15 | 5.3 | .9 | .0 | .0 | .0 | .0 | 6.2 | 1.4 | NW |
| NNW | 16 | 4.4 | 1.5 | .0 | .0 | .0 | .0 | 5.9 | 1.4 | NNW |
| 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)

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 5.8 | 2.9 | .0 | 2.2 | .0 | .0 | 10.9 | 2.9 | NNE |
| NE | 3 | 4.0 | 1.8 | .4 | .0 | .0 | .0 | 6.2 | 1.5 | NE |
| ENE | 4 | 5.1 | 1.4 | .0 | .0 | .0 | .0 | 6.5 | 1.3 | ENE |
| E | 5 | 3.3 | .0 | .0 | .0 | .0 | .0 | 3.3 | 1.1 | E |
| ESE | 6 | 1.4 | .0 | .4 | .0 | .0 | .0 | 1.8 | 1.5 | ESE |
| SE | 7 | 2.2 | .0 | .0 | 1.1 | .0 | .0 | 3.3 | 2.9 | SE |
| SSE | 8 | 1.8 | .0 | .0 | .0 | .0 | .0 | 1.8 | 1.0 | SSE |
| S | 9 | 4.0 | .4 | .4 | .0 | .0 | .0 | 4.7 | 1.3 | S |
| SSW | 10 | 4.3 | 1.1 | .0 | .0 | .0 | .0 | 5.4 | 1.4 | SSW |
| SW | 11 | 9.1 | 2.2 | .4 | .4 | .0 | .0 | 12.0 | 1.7 | SW |
| WSW | 12 | 9.4 | 1.1 | .0 | .0 | .0 | .0 | 10.5 | 1.2 | WSW |
| W | 13 | 6.9 | .4 | .0 | .0 | .0 | .0 | 7.2 | 1.1 | W |
| WNW | 14 | 2.2 | .0 | .0 | .0 | .0 | .0 | 2.2 | 1.2 | WNW |
| NW | 15 | 3.6 | 3.3 | .7 | .0 | .0 | .0 | 7.6 | 1.9 | NW |
| NNW | 16 | 3.3 | 1.4 | .0 | .0 | .0 | .0 | 4.7 | 1.4 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 5.8 | .6 | .9 | 3.6 | .9 | .3 | 12.1 | 4.0 | NNE |
| NE | 3 | 5.5 | .3 | .6 | .9 | .0 | .0 | 7.3 | 2.0 | NE |
| ENE | 4 | 2.4 | .9 | .0 | .0 | .0 | .0 | 3.3 | 1.5 | ENE |
| E | 5 | 2.7 | .9 | .0 | .0 | .0 | .0 | 3.6 | 1.1 | E |
| ESE | 6 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.0 | ESE |
| SE | 7 | 1.8 | .3 | .0 | .0 | .0 | .0 | 2.1 | 1.1 | SE |
| SSE | 8 | 4.2 | .0 | .0 | .0 | .0 | .0 | 4.2 | 1.0 | SSE |
| S | 9 | 3.3 | .6 | .0 | .0 | .0 | .0 | 3.9 | 1.1 | S |
| SSW | 10 | 5.2 | 1.2 | .0 | .0 | .0 | .0 | 6.4 | 1.4 | SSW |
| SW | 11 | 9.7 | 3.0 | .0 | .0 | .0 | .0 | 12.7 | 1.4 | SW |
| WSW | 12 | 7.0 | 1.2 | .0 | .0 | .0 | .0 | 8.2 | 1.2 | WSW |
| W | 13 | 7.6 | .9 | .0 | .0 | .0 | .0 | 8.5 | 1.2 | W |
| WNW | 14 | 4.2 | .9 | .3 | .0 | .0 | .0 | 5.5 | 1.4 | WNW |
| NW | 15 | 3.9 | .3 | .0 | .0 | .3 | .0 | 4.5 | 1.7 | NW |
| NNW | 16 | 2.7 | .9 | .0 | .6 | .3 | .0 | 4.5 | 2.7 | NNW |
| 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 | N |
| NNE | 2 | 3.8 | 1.9 | .5 | .0 | .0 | .0 | 6.2 | 1.7 | NNE |
| NE | 3 | 5.2 | .5 | .0 | .0 | .0 | .0 | 5.7 | 1.4 | NE |
| ENE | 4 | 5.2 | 1.4 | .0 | .0 | .0 | .0 | 6.6 | 1.5 | ENE |
| E | 5 | 2.8 | .0 | .0 | .0 | .0 | .0 | 2.8 | 1.1 | E |
| ESE | 6 | 1.9 | .5 | .0 | .0 | .0 | .0 | 2.4 | 1.2 | ESE |
| SE | 7 | 3.8 | .5 | .0 | .0 | .0 | .0 | 4.3 | 1.3 | SE |
| SSE | 8 | 1.9 | .9 | .0 | .0 | .0 | .0 | 2.8 | 1.4 | SSE |
| S | 9 | 5.2 | 1.4 | .0 | .0 | .0 | .0 | 6.6 | 1.4 | S |
| SSW | 10 | 5.2 | .5 | .0 | .0 | .0 | .0 | 5.7 | 1.3 | SSW |
| SW | 11 | 12.3 | 5.7 | .0 | .0 | .0 | .0 | 18.0 | 1.5 | SW |
| WSW | 12 | 9.0 | 1.4 | .0 | .0 | .0 | .0 | 10.4 | 1.4 | WSW |
| W | 13 | 5.2 | 1.4 | .0 | .0 | .0 | .0 | 6.6 | 1.3 | W |
| WNW | 14 | 3.8 | .5 | .0 | .0 | .0 | .0 | 4.3 | 1.2 | WNW |
| NW | 15 | 3.8 | .9 | .0 | .0 | .0 | .0 | 4.7 | 1.2 | NW |
| NNW | 16 | 4.3 | 2.4 | .0 | .0 | .0 | .0 | 6.6 | 1.6 | NNW |
| 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)

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

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 | 1.6 | 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| 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)

SPILL 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

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 | 4.3 | 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)

SPILL 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

WIND SPEED CLASS

| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 4.3 | .7 | .0 | .0 | .0 | .0 | 5.0 | 1.1 | NNE |
| NE | 3 | 5.7 | 1.4 | .0 | .0 | .0 | .0 | 7.1 | 1.2 | NE |
| ENE | 4 | 9.2 | .7 | .0 | .0 | .0 | .0 | 9.9 | 1.2 | ENE |
| E | 5 | 5.7 | 4.3 | .0 | .0 | .0 | .0 | 9.9 | 1.5 | E |
| ESE | 6 | 5.7 | 1.4 | .0 | .0 | .0 | .0 | 7.1 | 1.2 | ESE |
| SE | 7 | 3.5 | .0 | .0 | .0 | .0 | .0 | 3.5 | 1.2 | SE |
| SSE | 8 | 7.1 | .7 | .0 | .0 | .0 | .0 | 7.8 | 1.1 | SSE |
| S | 9 | 6.4 | .0 | .0 | .0 | .0 | .0 | 6.4 | 1.0 | S |
| SSW | 10 | 4.3 | 2.1 | .0 | .0 | .0 | .0 | 6.4 | 1.5 | SSW |
| SW | 11 | 4.3 | 2.8 | .0 | .0 | .0 | .0 | 7.1 | 1.4 | SW |
| WSW | 12 | 1.4 | .7 | .0 | .0 | .0 | .0 | 2.1 | 1.3 | WSW |
| W | 13 | 2.8 | 1.4 | .0 | .0 | .0 | .0 | 4.3 | 1.2 | W |
| WNW | 14 | .7 | .0 | .0 | .0 | .0 | .0 | .7 | .9 | WNW |
| NW | 15 | 1.4 | .0 | .0 | .0 | .0 | .0 | 1.4 | .6 | NW |
| NNW | 16 | 2.1 | .0 | .0 | .0 | .0 | .0 | 2.1 | 1.0 | NNW |
| 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

WIND SPEED CLASS

| 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

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 10.3 | 1.7 | .0 | .0 | .0 | .0 | 12.1 | 1.0 | NNE |
| NE | 3 | 6.9 | .0 | .0 | .0 | .0 | .0 | 6.9 | .9 | NE |
| ENE | 4 | 15.5 | .0 | .0 | .0 | .0 | .0 | 15.5 | .9 | ENE |
| E | 5 | 6.9 | .0 | .0 | .0 | .0 | .0 | 6.9 | 1.0 | E |
| ESE | 6 | 6.9 | 3.4 | .0 | .0 | .0 | .0 | 10.3 | 1.3 | ESE |
| SE | 7 | 3.4 | .0 | .0 | .0 | .0 | .0 | 3.4 | 1.3 | SE |
| SSE | 8 | 1.7 | 3.4 | .0 | .0 | .0 | .0 | 5.2 | 1.8 | SSE |
| S | 9 | 1.7 | 1.7 | .0 | .0 | .0 | .0 | 3.4 | 1.7 | S |
| SSW | 10 | 1.7 | .0 | .0 | .0 | .0 | .0 | 1.7 | .7 | SSW |
| SW | 11 | 1.7 | .0 | .0 | .0 | .0 | .0 | 1.7 | .9 | SW |
| WSW | 12 | .0 | 1.7 | .0 | .0 | .0 | .0 | 1.7 | 2.2 | WSW |
| W | 13 | 1.7 | .0 | .0 | .0 | .0 | .0 | 1.7 | .7 | W |
| WNW | 14 | 1.7 | .0 | .0 | .0 | .0 | .0 | 1.7 | .7 | WNW |
| NW | 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | NW |
| NNW | 16 | 1.7 | .0 | .0 | .0 | .0 | .0 | 1.7 | .9 | NNW |
| 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

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 | 2.9 | .0 | .0 | .0 | .0 | .0 | 2.9 | 1.5 | NE |
| ENE | 4 | 5.9 | .0 | 2.9 | .0 | .0 | .0 | 8.8 | 1.8 | ENE |
| E | 5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | E |
| ESE | 6 | 5.9 | 2.9 | 2.9 | .0 | .0 | .0 | 11.8 | 1.9 | ESE |
| SE | 7 | 5.9 | .0 | .0 | .0 | .0 | .0 | 5.9 | .9 | SE |
| SSE | 8 | 2.9 | 5.9 | .0 | .0 | .0 | .0 | 8.8 | 1.8 | SSE |
| S | 9 | 5.9 | 2.9 | .0 | .0 | .0 | .0 | 8.8 | 1.3 | S |
| SSW | 10 | 23.5 | 2.9 | 2.9 | .0 | .0 | .0 | 29.4 | 1.5 | SSW |
| SW | 11 | 2.9 | 2.9 | .0 | .0 | .0 | .0 | 5.9 | 2.0 | SW |
| WSW | 12 | 8.8 | .0 | .0 | .0 | .0 | .0 | 8.8 | 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 | | 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

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | .0 | .0 | 1.8 | .0 | .0 | .0 | 1.8 | 3.8 | NNE |
| NE | 3 | 1.8 | 5.4 | .0 | .0 | .0 | .0 | 7.1 | 2.7 | NE |
| ENE | 4 | .0 | 1.8 | 1.8 | .0 | .0 | .0 | 3.6 | 2.8 | ENE |
| E | 5 | 3.6 | 1.8 | .0 | .0 | .0 | .0 | 5.4 | 1.8 | E |
| ESE | 6 | 3.6 | .0 | .0 | .0 | .0 | .0 | 3.6 | 1.6 | ESE |
| SE | 7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | SE |
| SSE | 8 | 1.8 | .0 | .0 | .0 | .0 | .0 | 1.8 | .8 | SSE |
| S | 9 | 1.8 | 3.6 | .0 | .0 | .0 | .0 | 5.4 | 2.5 | S |
| SSW | 10 | 3.6 | 3.6 | 1.8 | .0 | .0 | .0 | 8.9 | 2.5 | SSW |
| SW | 11 | 1.8 | 3.6 | 30.4 | .0 | .0 | .0 | 35.7 | 3.4 | SW |
| WSW | 12 | .0 | .0 | 3.6 | .0 | .0 | .0 | 3.6 | 3.5 | WSW |
| W | 13 | .0 | 3.6 | 5.4 | .0 | .0 | .0 | 8.9 | 3.2 | W |
| WNW | 14 | .0 | .0 | 3.6 | .0 | .0 | .0 | 3.6 | 3.5 | WNW |
| NW | 15 | .0 | 3.6 | 3.6 | .0 | .0 | .0 | 7.1 | 3.4 | NW |
| NNW | 16 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | NNW |
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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

WIND SPEED CLASS

| 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

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | .0 | 4.2 | .0 | .0 | .0 | .0 | 4.2 | 3.0 | NNE |
| NE | 3 | 12.5 | .0 | .0 | .0 | .0 | .0 | 12.5 | 1.0 | NE |
| ENE | 4 | 8.3 | .0 | .0 | .0 | .0 | .0 | 8.3 | 1.0 | ENE |
| E | 5 | .0 | .0 | 8.3 | .0 | .0 | .0 | 8.3 | 3.7 | E |
| ESE | 6 | .0 | 4.2 | .0 | .0 | .0 | .0 | 4.2 | 3.2 | 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 | .0 | .0 | 4.2 | .0 | .0 | .0 | 4.2 | 3.4 | S |
| SSW | 10 | 8.3 | .0 | 4.2 | .0 | .0 | .0 | 12.5 | 1.8 | SSW |
| SW | 11 | 4.2 | 4.2 | 12.5 | .0 | .0 | .0 | 20.8 | 3.1 | SW |
| WSW | 12 | .0 | 4.2 | 8.3 | .0 | .0 | .0 | 12.5 | 3.3 | 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 | | 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | |
| 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

| | | 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 | 3.4 | 3.4 | .0 | .0 | .0 | .0 | 6.9 | 2.0 | NE |
| ENE | 4 | .0 | .0 | 3.4 | .0 | .0 | .0 | 3.4 | 4.5 | ENE |
| E | 5 | 3.4 | .0 | .0 | .0 | .0 | .0 | 3.4 | 1.3 | E |
| ESE | 6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | ESE |
| SE | 7 | 6.9 | .0 | .0 | .0 | .0 | .0 | 6.9 | .7 | SE |
| SSE | 8 | 6.9 | .0 | .0 | .0 | .0 | .0 | 6.9 | 1.0 | SSE |
| S | 9 | 13.8 | 6.9 | .0 | .0 | .0 | .0 | 20.7 | 1.3 | S |
| SSW | 10 | 6.9 | 10.3 | 6.9 | .0 | .0 | .0 | 24.1 | 2.4 | SSW |
| SW | 11 | 6.9 | .0 | 10.3 | .0 | .0 | .0 | 17.2 | 2.6 | SW |
| WSW | 12 | 3.4 | .0 | 3.4 | .0 | .0 | .0 | 6.9 | 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 | .0 | .0 | .0 | .0 | .0 | .0 | NNW |
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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

WIND SPEED CLASS

| 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

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 | 1.3 | .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

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 | 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

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 | .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

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 | 3.2 | .0 | .0 | .0 | .0 | .0 | 3.2 | 1.2 | NE |
| ENE | 4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | ENE |
| E | 5 | .0 | 3.2 | .0 | .0 | .0 | .0 | 3.2 | 2.4 | E |
| ESE | 6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | ESE |
| SE | 7 | .0 | .0 | 3.2 | .0 | .0 | .0 | 3.2 | 3.9 | SE |
| SSE | 8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | SSE |
| S | 9 | 3.2 | .0 | 3.2 | 3.2 | .0 | .0 | 9.7 | 4.1 | S |
| SSW | 10 | .0 | .0 | 16.1 | .0 | .0 | .0 | 16.1 | 4.4 | SSW |
| SW | 11 | .0 | .0 | 25.8 | 19.4 | .0 | .0 | 45.2 | 5.4 | SW |
| WSW | 12 | .0 | 3.2 | 6.5 | .0 | .0 | .0 | 9.7 | 4.2 | WSW |
| W | 13 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | W |
| WNW | 14 | .0 | 3.2 | .0 | .0 | .0 | .0 | 3.2 | 2.2 | WNW |
| NW | 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | NW |
| NNW | 16 | .0 | 3.2 | .0 | .0 | .0 | .0 | 3.2 | 1.9 | NNW |
| 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 | |
| 1 | WS <= .5 |
| 2 | .5< WS <= 1.8 |
| 3 | 1.8< WS <= 3.3 |
| 4 | 3.3< WS <= 5.4 |
| 5 | 5.4< WS <= 8.5 |
| 6 | 8.5< WS <=10.8 |
| | 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)

SPILL 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

| | | 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 | 4.6 | 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

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 | 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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)

SPILL 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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

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 | 2.0 | 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

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 | 3.7 | 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

WIND SPEED CLASS

| 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

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 2.9 | 11.4 | 2.9 | .0 | .0 | .0 | 17.1 | 2.4 | NNE |
| NE | 3 | .0 | 5.7 | .0 | .0 | .0 | .0 | 5.7 | 2.3 | NE |
| ENE | 4 | .0 | 2.9 | .0 | .0 | .0 | .0 | 2.9 | 2.0 | ENE |
| E | 5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | E |
| ESE | 6 | 2.9 | .0 | .0 | .0 | .0 | .0 | 2.9 | 1.0 | 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 | 2.9 | 2.9 | .0 | .0 | .0 | 5.7 | 2.9 | S |
| SSW | 10 | .0 | 5.7 | 2.9 | .0 | .0 | .0 | 8.6 | 3.1 | SSW |
| SW | 11 | 2.9 | 5.7 | 11.4 | .0 | .0 | .0 | 20.0 | 3.4 | SW |
| WSW | 12 | 11.4 | 2.9 | 2.9 | .0 | .0 | .0 | 17.1 | 2.2 | 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 | 11.4 | 2.9 | .0 | .0 | .0 | 14.3 | 2.8 | NW |
| NNW | 16 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | NNW |
| 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

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 | 3.8 | 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | |
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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

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 | 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

WIND SPEED CLASS

| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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

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 | 7.3 | .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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| WIND DIR | SECTOR | 1 | 2 | 3 | 4 | 5 | 6 | TOTAL | AVG WS (MPS) | |
| 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

WIND SPEED CLASS

| 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 | N |
| NNE | 2 | 5.7 | 1.2 | .0 | .0 | .0 | .0 | 7.0 | 1.4 | NNE |
| NE | 3 | 4.5 | .4 | .0 | .0 | .0 | .0 | 4.9 | 1.1 | NE |
| ENE | 4 | 6.1 | 1.6 | .0 | .0 | .0 | .0 | 7.8 | 1.3 | ENE |
| E | 5 | 3.7 | .0 | .0 | .0 | .0 | .0 | 3.7 | 1.1 | E |
| ESE | 6 | 1.6 | .0 | .0 | .0 | .0 | .0 | 1.6 | .9 | ESE |
| SE | 7 | 2.5 | .0 | .0 | .0 | .0 | .0 | 2.5 | 1.1 | SE |
| SSE | 8 | 2.0 | .4 | .0 | .0 | .0 | .0 | 2.5 | 1.2 | SSE |
| S | 9 | 4.5 | .0 | .0 | .0 | .0 | .0 | 4.5 | 1.0 | S |
| SSW | 10 | 5.3 | .8 | .0 | .0 | .0 | .0 | 6.1 | 1.2 | SSW |
| SW | 11 | 11.1 | 2.9 | .0 | .0 | .0 | .0 | 13.9 | 1.5 | SW |
| WSW | 12 | 9.8 | 1.6 | .0 | .0 | .0 | .0 | 11.5 | 1.2 | WSW |
| W | 13 | 7.8 | .4 | .0 | .0 | .0 | .0 | 8.2 | 1.1 | W |
| WNW | 14 | 2.5 | .0 | .0 | .0 | .0 | .0 | 2.5 | 1.2 | WNW |
| NW | 15 | 4.5 | 1.2 | .0 | .0 | .0 | .0 | 5.7 | 1.2 | NW |
| NNW | 16 | 3.7 | 1.6 | .0 | .0 | .0 | .0 | 5.3 | 1.4 | NNW |
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 6.8 | .9 | .0 | .0 | .0 | .0 | 7.7 | 1.3 | NNE |
| NE | 3 | 5.0 | .0 | .0 | .0 | .0 | .0 | 5.0 | 1.0 | NE |
| ENE | 4 | 3.0 | .3 | .0 | .0 | .0 | .0 | 3.3 | 1.2 | ENE |
| E | 5 | 3.0 | .9 | .0 | .0 | .0 | .0 | 3.9 | 1.1 | E |
| ESE | 6 | 3.3 | .0 | .0 | .0 | .0 | .0 | 3.3 | 1.0 | ESE |
| SE | 7 | 1.8 | .6 | .0 | .0 | .0 | .0 | 2.4 | 1.4 | SE |
| SSE | 8 | 5.3 | .3 | .0 | .0 | .0 | .0 | 5.6 | 1.1 | SSE |
| S | 9 | 3.9 | 1.5 | .0 | .0 | .0 | .0 | 5.3 | 1.3 | S |
| SSW | 10 | 5.9 | .9 | .0 | .0 | .0 | .0 | 6.8 | 1.2 | SSW |
| SW | 11 | 10.4 | 2.7 | .0 | .0 | .0 | .0 | 13.1 | 1.3 | SW |
| WSW | 12 | 7.4 | 1.2 | .0 | .0 | .0 | .0 | 8.6 | 1.2 | WSW |
| W | 13 | 7.4 | .9 | .0 | .0 | .0 | .0 | 8.3 | 1.2 | W |
| WNW | 14 | 5.3 | 1.5 | .0 | .0 | .0 | .0 | 6.8 | 1.3 | WNW |
| NW | 15 | 5.0 | .6 | .0 | .0 | .0 | .0 | 5.6 | 1.3 | NW |
| NNW | 16 | 3.3 | .6 | .0 | .0 | .0 | .0 | 3.9 | 1.3 | NNW |
| 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

| | | WIND SPEED CLASS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | N |
| NNE | 2 | 7.9 | .8 | .0 | .0 | .0 | .0 | 8.7 | 1.4 | NNE |
| NE | 3 | 4.8 | .4 | .0 | .0 | .0 | .0 | 5.2 | 1.2 | NE |
| ENE | 4 | 2.0 | 1.2 | .0 | .0 | .0 | .0 | 3.2 | 1.3 | ENE |
| E | 5 | 4.4 | .4 | .0 | .0 | .0 | .0 | 4.8 | 1.2 | E |
| ESE | 6 | 2.4 | .0 | .0 | .0 | .0 | .0 | 2.4 | 1.1 | ESE |
| SE | 7 | 2.4 | .8 | .0 | .0 | .0 | .0 | 3.2 | 1.4 | SE |
| SSE | 8 | 4.0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 1.1 | SSE |
| S | 9 | 6.0 | .4 | .0 | .0 | .0 | .0 | 6.3 | 1.1 | S |
| SSW | 10 | 5.6 | .4 | .0 | .0 | .0 | .0 | 6.0 | 1.3 | SSW |
| SW | 11 | 6.0 | 3.6 | .0 | .0 | .0 | .0 | 9.5 | 1.6 | SW |
| WSW | 12 | 7.5 | 2.4 | .0 | .0 | .0 | .0 | 9.9 | 1.4 | WSW |
| W | 13 | 6.7 | .4 | .0 | .0 | .0 | .0 | 7.1 | 1.2 | W |
| WNW | 14 | 5.6 | 1.6 | .0 | .0 | .0 | .0 | 7.1 | 1.4 | WNW |
| NW | 15 | 6.0 | 2.8 | .0 | .0 | .0 | .0 | 8.7 | 1.6 | NW |
| NNW | 16 | 5.6 | .4 | .0 | .0 | .0 | .0 | 6.0 | 1.2 | NNW |
| 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

| 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 | 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 — FEB, 1995

RICHARDSON NUMBER 1 TIMES 100 — RINUM1

| 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 | 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 — MAR, 1995

RICHARDSON NUMBER 1 TIMES 100 — RINUM1

| 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 | 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 | 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 | 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 — APR, 1995

RICHARDSON NUMBER 1 TIMES 100 — RINUM1

| 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 | 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

| 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 | 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 — JUNE, 1995

RICHARDSON NUMBER 1 TIMES 100 — RINUM1

| 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 | 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 — JULY, 1995

RICHARDSON NUMBER 1 TIMES 100 — RINUM1

| 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 | 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)

SPILL TEST FACILITY RICHARDSON NUMBER 1, 0.25-2.0 M LEVELS — AUG, 1995

RICHARDSON NUMBER 1 TIMES 100 — RINUM1

| 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 | 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 — SEPT, 1995

RICHARDSON NUMBER 1 TIMES 100 — RINUM1

| 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 | 57 | 141 | 55 | 45 | 38 | 90 | 176 | 213 | 181 | 239 | 32 | 1 | 1 | -3 | -6 | -1 | 0 | 11 | 31 | 18 | 71 | 15 | 31 | 52 |
| 2 | 38 | 83 | 28 | 266 | 92 | 147 | 72 | 247 | 509 | 1855 | 223 | -17 | -3 | 1 | -10 | -1 | 2 | 5 | 8 | 12 | 40 | 94 | 35 | 80 |
| 3 | 55 | 66 | 82 | 49 | 39 | 248 | 174 | -4 | -25 | -12 | -3 | -68 | -31 | -15 | -13 | -2 | -3 | 1 | 7 | 26 | 70 | 44 | 19 | 29 |
| 4 | 11 | 31 | 68 | 62 | 46 | 37 | 121 | 88 | 148 | -3 | -2 | -2 | -3 | -2 | -1 | -1 | 0 | 2 | 8 | 48 | 35 | 57 | 343 | 157 |
| 5 | 159 | 128 | 44 | 93 | 111 | 52 | 93 | 142 | 707 | -7 | -5 | -4 | -4 | -3 | -4 | -2 | 1 | 7 | 22 | 42 | 45 | 70 | 85 | 217 |
| 6 | 93 | 56 | 30 | 64 | 60 | 74 | 177 | 719 | 434 | 2668 | 75 | -25 | -7 | -5 | -4 | -2 | 1 | 4 | 13 | 26 | 62 | 16 | 33 | 27 |
| 7 | 13 | 14 | 21 | 17 | 23 | 22 | 17 | 100 | 123 | -13 | -3 | -2 | -3 | -2 | -2 | -1 | 1 | 3 | 8 | 137 | 39 | 22 | 26 | 29 |
| 8 | 41 | 52 | 748 | 28 | 53 | 57 | -55 | 7052 | 284 | -13 | -13 | -10 | -6 | -5 | -4 | -2 | 1 | 6 | 25 | 58 | 26 | 43 | 80 | 56 |
| 9 | 33 | 47 | 40 | 195 | 72 | 92 | 352 | 242 | ++++ | 201 | 16 | -29 | -23 | -9 | -3 | -1 | 1 | 2 | 41 | 286 | 28 | 71 | 99 | 127 |
| 10 | 127 | 30 | 82 | 47 | 69 | 170 | 582 | 355 | 1557 | 1110 | 4122 | -80 | -11 | -6 | -3 | -1 | 1 | 7 | 33 | 34 | 26 | 43 | 42 | 128 |
| 11 | 47 | 81 | 280 | 229 | 152 | 108 | 188 | 676 | 1512 | 399 | 3522 | -49 | -49 | -14 | -10 | -3 | 6 | 14 | 18 | 27 | 154 | 140 | 113 | 44 |
| 12 | 96 | 93 | 101 | 116 | 222 | 52 | 207 | 356 | 4455 | 340 | 3769 | ++++ | -66 | -87 | -24 | -2 | 80 | 81 | 17 | 37 | 139 | 50 | 40 | 104 |
| 13 | 119 | 230 | 30 | 74 | 48 | 43 | 87 | 89 | 528 | 1065 | 260 | 375 | -143 | -43 | -30 | -12 | 49 | 83 | 82 | 24 | 90 | 34 | 29 | 53 |
| 14 | 44 | 106 | 74 | 128 | 97 | 158 | 1110 | 1368 | 276 | 846 | 454 | 114 | -57 | -18 | -8 | 16 | 69 | 57 | 22 | 24 | 32 | 44 | 68 | 48 |
| 15 | 60 | 103 | 47 | 71 | 162 | 61 | 378 | 458 | 496 | 1095 | 142 | -169 | -16 | -25 | -31 | -5 | 16 | 15 | 32 | 28 | 76 | 1815 | 129 | 44 |
| 16 | 207 | 50 | 34 | 80 | 118 | 89 | 208 | 177 | 203 | 88 | 13 | -5 | -3 | -2 | -2 | 0 | 1 | 3 | 9 | 5 | 5 | 9 | 29 | 56 |
| 17 | 100 | 42 | 33 | 147 | 28 | 136 | 114 | 609 | 0 | -1 | -3 | -6 | -9 | -11 | -5 | -2 | 2 | 7 | 23 | 67 | 51 | 49 | 30 | 70 |
| 18 | 42 | 22 | 57 | 140 | 196 | 67 | 241 | 1304 | 63 | -19 | -27 | -34 | -24 | -16 | -6 | -2 | 2 | 7 | 15 | 36 | 57 | 26 | 27 | 102 |
| 19 | 43 | 56 | 126 | 154 | 130 | 131 | 180 | 4590 | 931 | 636 | 30 | -101 | -14 | -22 | -12 | -4 | 4 | -21 | 23 | 71 | 142 | 66 | 78 | 42 |
| 20 | 71 | 219 | 85 | 148 | 217 | 223 | 47 | 279 | 597 | 159 | -13 | -6 | -5 | -2 | -1 | 0 | 2 | 8 | 17 | 157 | 61 | 60 | 99 | 60 |
| 21 | 37 | 4 | 4 | 3 | 4 | 3 | 3 | 1 | -1 | -2 | -3 | -8 | -9 | -9 | -9 | -1 | 4 | 11 | 20 | 18 | 17 | 35 | 119 | 19 |
| 22 | 20 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 23 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 24 | **** | 30 | 136 | 136 | 23 | 30 | -82 | -286 | ---- | ---- | -848 | ---- | ---- | -449 | -200 | -15 | -9 | -1 | 5 | 13 | 22 | 30 | 8 | 4 |
| 25 | 3 | 11 | -108 | -75 | -12 | -9 | -190 | ---- | -549 | ---- | -609 | -36 | -5 | -3 | -3 | -3 | -3 | -3 | 15 | -6 | 9 | 1 | 2 | 63 |
| 26 | 34 | 32 | -3 | 51 | 20 | 10 | ---- | ---- | ---- | -583 | -74 | -33 | -38 | -21 | -13 | -7 | -4 | -3 | 20 | 9 | 6 | 7 | 12 | 17 |
| 27 | 39 | -2 | -16 | 1 | -34 | -29 | -135 | ---- | ---- | -699 | -505 | -529 | -9 | -6 | -5 | -4 | -3 | -4 | -3 | 6 | 18 | -3 | 3 | 9 |
| 28 | 71 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 29 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 30 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

PERCENT VALID HOURS FOR SEPT, 1995 601*100/ 720= 83.5%

THREE HIGHEST VALUES FOR SEPT, 1995 XXXX(DD,HH) = ++++(12,11) ++++( 9, 8) 7052( 8, 7) (FIRST OCCURRENCE IN MONTH)

SPILL TEST FACILITY RICHARDSON NUMBER 1, 0.25-2.0 M LEVELS — OCT, 1995

RICHARDSON NUMBER 1 TIMES 100 — RINUM1

| 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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 — NOV, 1995

RICHARDSON NUMBER 1 TIMES 100 — RINUM1

| 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 | 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 1, 0.25-2.0 M LEVELS — DEC, 1995

RICHARDSON NUMBER 1 TIMES 100 — 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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 2, 0.50-4.0 M LEVELS — JAN, 1995

RICHARDSON NUMBER 2 TIMES 100 — RINUM2

| 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 | 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 — FEB, 1995

RICHARDSON NUMBER 2 TIMES 100 — RINUM2

| 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 | 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

| 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 | 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 — APR, 1995

RICHARDSON NUMBER 2 TIMES 100 — RINUM2

| 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 | 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

| 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 | 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 — JUNE, 1995

RICHARDSON NUMBER 2 TIMES 100 — RINUM2

| 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 | 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 — JULY, 1995

RICHARDSON NUMBER 2 TIMES 100 — RINUM2

| 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 | 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 — AUG, 1995

RICHARDSON NUMBER 2 TIMES 100 — RINUM2

| 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 | 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 — SEPT, 1995

RICHARDSON NUMBER 2 TIMES 100 — RINUM2

| 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 | 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 — OCT, 1995

RICHARDSON NUMBER 2 TIMES 100 — RINUM2

| 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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 — NOV, 1995

RICHARDSON NUMBER 2 TIMES 100 — RINUM2

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 | 65 | 46 | 76 | 66 | 56 | 77 | 224 | 138 | -48 | -9 | -10 | -7 | -14 | -4 | -3 | 0 | 4 | 16 | 22 | 223 | 79 | 56 | 92 | 116 |
| 2 | 312 | 41 | 51 | 32 | 126 | 19 | 81 | 80 | 118 | 12 | -34 | ++++ | -149 | 218 | 1781 | 550 | 3731 | 32 | 39 | 55 | 36 | 47 | 128 | 91 |
| 3 | 45 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 4 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 5 | **** | 72 | 90 | 625 | 200 | 195 | 163 | 137 | ---- | ++++ | 5690 | 140 | 1 | -4 | 0 | 3 | 10 | 24 | 896 | 172 | 83 | 350 | 143 | 39 |
| 6 | 41 | 145 | 163 | 50 | 65 | 39 | 55 | 446 | 123 | 188 | 435 | 95 | -11 | -2 | -1 | 4 | 12 | 30 | 47 | 92 | 116 | 355 | 1255 | 51 |
| 7 | 90 | 113 | 138 | 203 | 470 | 116 | 611 | 221 | ++++ | 300 | ---- | 414 | 3147 | ---- | -24 | 15 | 18 | 20 | 24 | 106 | 91 | 139 | 151 | 252 |
| 8 | 168 | 61 | 123 | 78 | 711 | 149 | 228 | 330 | 150 | 1214 | ++++ | 416 | 194 | -7 | -2 | 4 | 11 | 44 | 67 | 170 | 113 | 201 | 269 | 1361 |
| 9 | 136 | 175 | 44 | 95 | 55 | 28 | 694 | 145 | 323 | 791 | 122 | 4981 | -10 | -3 | -1 | 2 | 11 | 67 | 48 | 51 | 57 | 34 | 46 | 151 |
| 10 | 186 | 133 | 67 | 68 | 116 | 106 | 176 | 55 | 48 | 8 | -6 | -8 | -10 | -6 | 0 | 24 | 398 | 6368 | 82 | 139 | 54 | 88 | 244 | 104 |
| 11 | 57 | 351 | 127 | 524 | 269 | 202 | 104 | 3317 | 2867 | 1946 | 236 | 721 | -117 | -121 | -2 | 13 | 17 | 100 | 96 | 117 | 103 | 34 | 223 | 83 |
| 12 | 75 | 160 | 60 | 23 | 98 | 28 | 141 | 59 | 58 | ++++ | 1321 | 592 | 243 | -891 | 155 | 17 | 19 | 45 | 51 | 116 | 264 | 190 | 243 | 136 |
| 13 | 117 | 147 | 318 | 8610 | 104 | 142 | 427 | 256 | 3312 | 1198 | 579 | ++++ | -639 | -118 | 9 | 19 | 35 | 47 | 21 | 37 | 92 | 50 | 76 | 416 |
| 14 | 279 | 38 | 379 | 187 | 78 | 27 | 959 | 243 | 89 | 33 | -46 | -3 | 74 | -87 | -1 | 9 | 38 | 87 | 172 | 86 | 46 | 54 | 2050 | 215 |
| 15 | 41 | 81 | 55 | 747 | 324 | 1574 | 688 | 170 | 88 | 263 | 301 | 28 | 6991 | 1150 | 73 | 1399 | 333 | 252 | 246 | 477 | 91 | 363 | 58 | 81 |
| 16 | 312 | 146 | 90 | 333 | 32 | 65 | 53 | 1470 | 285 | ++++ | ++++ | 137 | 8 | -6 | 2 | 9 | 24 | 30 | 108 | 406 | 125 | 147 | 1473 | 97 |
| 17 | 346 | 158 | 1106 | 207 | 92 | 128 | 461 | 189 | 6511 | 751 | ++++ | 6065 | 645 | 6414 | 245 | 62 | 62 | 90 | 111 | 151 | 175 | 51 | 182 | 366 |
| 18 | 169 | 90 | 70 | 116 | 130 | 64 | 660 | 319 | 96 | 101 | 17 | 125 | 61 | 47 | 15 | 152 | 277 | 136 | 183 | 67 | 40 | 133 | 215 | 5285 |
| 19 | 1179 | 1315 | 132 | 410 | 79 | 1259 | 152 | 480 | 1276 | 2259 | 1399 | ++++ | 449 | 723 | 378 | 26 | 89 | 319 | 91 | 163 | 285 | 258 | 133 | 514 |
| 20 | 4435 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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 — DEC, 1995

RICHARDSON NUMBER 2 TIMES 100 — RINUM2

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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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 — JAN, 1995

RICHARDSON NUMBER 3 TIMES 100 — RINUM3

| 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 | 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 — FEB, 1995

RICHARDSON NUMBER 3 TIMES 100 — RINUM3

| 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 | 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 — MAR, 1995

RICHARDSON NUMBER 3 TIMES 100 — RINUM3

| 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 | -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 | 17 |
| 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 — APR, 1995

RICHARDSON NUMBER 3 TIMES 100 — RINUM3

| 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 | 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 — MAY, 1995

RICHARDSON NUMBER 3 TIMES 100 — RINUM3

| 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 | 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 | -11 | -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 | ---- | -665 | ---- | ---- | ---- | -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

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 | 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

| 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 | 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 — AUG, 1995

RICHARDSON NUMBER 3 TIMES 100 — RINUM3

| 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 | 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

| 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 | ++++ | 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

| 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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

| 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 | 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)

SPILL TEST FACILITY RICHARDSON NUMBER 3, 2.0-16.0 M LEVELS — DEC, 1995

RICHARDSON NUMBER 3 TIMES 100 — RINUM3

| 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 2 | **** | 3516 | 1337 | 2813 | 2080 | 572 | ++++ | 456 | -453 | -125 | -713 | ---- | -280 | -447 | 35 | 109 | 374 | 3920 | 3790 | 687 | 2062 | 1338 | 137 | ++++ |
| 3 | 2492 | ++++ | ++++ | ++++ | 4945 | 1634 | 425 | 205 | 16 | ---- | -303 | -66 | -12 | ---- | 81 | 5581 | ++++ | 182 | ++++ | 687 | ++++ | 4811 | ++++ | 261 |
| 4 | ++++ | 111 | 409 | 265 | 76 | 345 | 2718 | 986 | 619 | -800 | -52 | ---- | -912 | ---- | 91 | 402 | 1600 | ++++ | 684 | 141 | 1203 | 798 | 568 | ++++ |
| 5 | 2793 | 2683 | 230 | ++++ | 4696 | 1793 | ++++ | 942 | -62 | -243 | ---- | -517 | -481 | -637 | -26 | 7 | 32 | 639 | 6267 | ++++ | 9568 | 4624 | 521 | 1710 |
| 6 | 440 | 1232 | 1053 | 583 | 3202 | 758 | 158 | 300 | 320 | -263 | ---- | ---- | -208 | -119 | -500 | 548 | ++++ | 139 | 5768 | 359 | ++++ | 7214 | 536 | ++++ |
| 7 | 6503 | 342 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 8 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 9 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 10 | **** | ++++ | 657 | 1018 | 2909 | 1668 | 1164 | ++++ | 795 | -123 | -381 | -143 | ---- | 603 | -962 | 56 | 894 | 5213 | 118 | 118 | 215 | 1410 | 277 | 5279 |
| 11 | 65 | 158 | 170 | 279 | 1278 | 84 | 242 | 712 | 926 | -330 | -365 | -321 | ---- | -59 | 122 | 777 | 479 | 1953 | 483 | 46 | 439 | ++++ | 1713 | 1211 |
| 12 | 788 | 412 | 112 | 34 | 1100 | 9 | 6 | 8 | 3 | 1 | 0 | 0 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| 13 | 5 | 8 | 10 | 13 | 14 | 15 | 77 | 27 | ++++ | -13 | -15 | -23 | -30 | -9 | -1 | 3 | 6 | 12 | 13 | 8 | 2 | 1 | 26 | 4 |
| 14 | 3 | 2 | 9 | 10 | 90 | 32 | 555 | 324 | 96 | -264 | -515 | -355 | -694 | ---- | ---- | -234 | 60 | 97 | 129 | 175 | 66 | 7826 | 340 | ++++ |
| 15 | ++++ | 4784 | 3772 | ++++ | 4552 | ++++ | 184 | 1602 | 447 | -387 | ---- | ---- | ---- | ---- | ---- | 6337 | 209 | 283 | 1024 | 566 | 131 | 127 | 85 | 623 |
| 16 | 86 | 596 | 234 | 36 | 19 | 16 | 13 | -5 | -1 | -4 | 1 | -11 | -24 | -18 | -7 | -7 | 1 | 4 | 5 | 4 | 4 | 27 | 16 | 12 |
| 17 | 8 | 12 | 18 | 8 | 6 | 5 | 6 | 23 | -1 | -11 | -29 | -54 | -56 | -74 | -49 | -4 | 19 | 23 | 20 | ++++ | 979 | 244 | 122 | 875 |
| 18 | 532 | 1232 | 4148 | 396 | 3258 | 1412 | 676 | 82 | 75 | -996 | ---- | ---- | -100 | -99 | -966 | ---- | 62 | 809 | 80 | 167 | 1289 | 499 | 242 | 842 |
| 19 | 250 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 20 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 21 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 22 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 23 | **** | 465 | 415 | 66 | 64 | 744 | 1354 | 1747 | 18 | -13 | -169 | -263 | -123 | -38 | -31 | -23 | -7 | -2 | 0 | 42 | 39 | 2029 | 2077 | ++++ |
| 24 | 626 | 1940 | 271 | 356 | 1663 | 1923 | 2282 | 587 | 2469 | ---- | ---- | -37 | -276 | -841 | -80 | -2 | 9 | 65 | 2577 | 461 | ++++ | 1449 | 349 | 422 |
| 25 | 4874 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 26 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 27 | **** | 4265 | 3584 | 603 | 212 | 309 | ++++ | 329 | 49 | -39 | ---- | ---- | -236 | -71 | ---- | 1571 | 3970 | 93 | 258 | 327 | 2692 | ++++ | 1241 | ++++ |
| 28 | 804 | 445 | 369 | 3812 | 187 | 1014 | 1234 | 583 | 524 | -847 | -479 | ---- | ---- | ---- | -22 | -1 | 24 | 39 | 255 | 30 | 319 | 234 | ++++ | 371 |
| 29 | 757 | 306 | 229 | 2977 | 240 | 6661 | 1162 | ++++ | 69 | -163 | ---- | -645 | -991 | -619 | -953 | 16 | 56 | 284 | 967 | 3915 | 1584 | ++++ | 1489 | 415 |
| 30 | ++++ | 4913 | 195 | 2129 | 8790 | 128 | 286 | 265 | 39 | ---- | ---- | ---- | -728 | -194 | -16 | 4 | 9 | 25 | 56 | 261 | 400 | 608 | 133 | 268 |
| 31 | 929 | 4900 | 4240 | 3535 | ++++ | 312 | 388 | 825 | 460 | 7 | -5 | -9 | -6 | -6 | -2 | 1 | 4 | 9 | 15 | 22 | 15 | 12 | 17 | 33 |

PERCENT VALID HOURS FOR DEC, 1995 504*100/ 744= 67.7%

THREE HIGHEST VALUES FOR DEC, 1995 XXXX(DD,HH) = ++++(31, 4) ++++( 4,23) ++++(10, 7) (FIRST OCCURRENCE IN MONTH)

SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1 JAN, 1995

MONIN-OBUKHOV LENGTH 1 TIMES 10 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 | 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 FEB, 1995

MONIN-OBUKHOV LENGTH 1 TIMES 10 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 |
| 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 | ---- | 1665 | 108 | 23 | <10 | <10 | 13 | <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 |
| 12 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 70 | -108 | -419 | ---- | 906 | 553 | 216 | 16 | <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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

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 — MAR, 1995

MONIN-OBUKHOV LENGTH 1 TIMES 10 — 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 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | ---- | ---- | ---- | 1115 | 270 | 60 | 39 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2 | <10 | 19 | <10 | <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 | <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 | <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 | <10 |
| 6 | <10 | 20 | 127 | 134 | 190 | 130 | 102 | 130 | 398 | 674 | -577 | ---- | -81 | -11 | -34 | -84 | <10 | <10 | <10 | 32 | 15 | <10 | <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 | <10 |
| 8 | 46 | <10 | <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 | <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 | <10 |
| 11 | 56 | 55 | <10 | <10 | <10 | <10 | <10 | 23 | 21 | 159 | 403 | 1685 | 2038 | 1217 | 1703 | 915 | 589 | 265 | 112 | 171 | 47 | 17 | <10 | <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 | <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 | <10 |
| 14 | <10 | <10 | <10 | 10 | 35 | <10 | <10 | <10 | -3 | <10 | <10 | <10 | -28 | -107 | <10 | <10 | <10 | 46 | 10 | <10 | <10 | <10 | <10 | 12 |
| 15 | <10 | <10 | <10 | 17 | <10 | <10 | <10 | -11 | 500 | -32 | **** | <10 | <10 | <10 | <10 | <10 | 40 | 28 | 24 | 25 | <10 | <10 | <10 | <10 |
| 16 | <10 | <10 | <10 | <10 | <10 | 26 | <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 | <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 | <10 |
| 19 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 37 | <10 | <10 | -34 | <10 | 45 | 75 | 71 | 21 | <10 | <10 | <10 | <10 | <10 |
| 20 | <10 | <10 | <10 | <10 | <10 | 12 | <10 | 14 | -8 | <10 | <10 | 11 | 618 | 1023 | 825 | 860 | 885 | 631 | 518 | 524 | 526 | 540 | 628 | 969 |
| 21 | 1235 | 1032 | 667 | 625 | 852 | 813 | 835 | 1718 | 4102 | ---- | 1285 | 7692 | ---- | 751 | 4541 | 1954 | 1029 | 903 | 631 | 553 | 369 | 383 | 164 | 13 |
| 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 | 12 | <10 | 1344 | 641 | 2345 | 5866 | 130 | 75 | 2763 | 441 | 229 | 115 | 50 | <10 | <10 | 35 | 17 |
| 24 | <10 | <10 | <10 | <10 | <10 | <10 | 15 | <10 | <10 | 146 | -55 | 559 | -21 | -89 | -952 | 827 | 300 | 216 | 18 | <10 | 58 | 23 | <10 | <10 |
| 25 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 42 | 1516 | ---- | -458 | -177 | -156 | -330 | 457 | 129 | 30 | 25 | <10 | <10 | <10 | 32 | <10 |
| 26 | <10 | <10 | <10 | 15 | <10 | <10 | <10 | <10 | <10 | <10 | -37 | -84 | -33 | -22 | -19 | -45 | 12 | <10 | <10 | 26 | <10 | <10 | <10 | <10 |
| 27 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 377 | 2127 | ---- | -542 | -331 | -797 | ---- | 1785 | 642 | 172 | 51 | 39 | 82 | <10 | <10 | <10 |
| 28 | <10 | <10 | <10 | 11 | 70 | <10 | <10 | <10 | 665 | ---- | -663 | -220 | -137 | -109 | -155 | -432 | 341 | 274 | 100 | 22 | <10 | <10 | 54 | 41 |
| 29 | 54 | <10 | <10 | <10 | 53 | <10 | <10 | <10 | <10 | -4 | 25 | -27 | -16 | -26 | -41 | -94 | 3236 | 54 | 21 | 16 | 59 | 55 | 44 | 54 |
| 30 | <10 | <10 | <10 | <10 | <10 | <10 | 41 | 156 | 765 | ---- | -359 | -146 | -116 | -77 | -94 | -335 | 49 | <10 | <10 | 25 | <10 | <10 | 14 | <10 |
| 31 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -9 | -25 | -60 | <10 | <10 | <10 | 34 | 19 | <10 | <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)

SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1 APR, 1995

MONIN-OBUKHOV LENGTH 1 TIMES 10 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 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 441 | -505 | ---- | 3362 | 767 | 265 | 210 | 21 | <10 | 12 | 57 | 133 | 21 |
| 2 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 121 | 487 | 1723 | -428 | -208 | -302 | -447 | -459 | 2914 | 469 | 217 | 31 | 21 | <10 | 33 | 10 | 29 |
| 3 | <10 | <10 | <10 | 42 | 110 | 48 | <10 | <10 | 38 | -170 | -385 | -29 | -57 | -17 | -18 | -55 | 140 | <10 | <10 | 17 | <10 | <10 | <10 | <10 |
| 4 | <10 | <10 | <10 | <10 | 36 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -41 | -98 | -213 | -486 | 366 | 56 | 14 | <10 | <10 | <10 | <10 | <10 |
| 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -33 | -65 | -105 | -174 | -605 | ---- | 416 | 68 | <10 | <10 | <10 | <10 | <10 | <10 |
| 6 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 21 | -715 | -801 | -916 | -710 | ---- | 1042 | 510 | 184 | <10 | <10 | <10 | <10 | <10 | <10 |
| 7 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -766 | -79 | -65 | -449 | ---- | ++++ | 970 | 229 | <10 | <10 | 115 | 222 | 132 | 31 |
| 8 | 80 | 131 | 81 | 18 | <10 | <10 | <10 | 91 | -305 | -39 | -28 | -35 | -122 | -241 | -672 | -559 | 1050 | 102 | 39 | 43 | 37 | 427 | 371 | 372 |
| 9 | 414 | 260 | 105 | 332 | 159 | 513 | 465 | ++++ | -591 | -347 | -279 | -184 | -162 | -223 | -367 | ---- | ---- | 735 | 363 | 349 | 201 | 218 | 285 | 42 |
| 10 | 101 | 61 | 96 | 35 | 86 | 99 | 133 | 1381 | -440 | -112 | -79 | -42 | -93 | -73 | -87 | -171 | 411 | 62 | 21 | <10 | 20 | <10 | <10 | 10 |
| 11 | <10 | 11 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -28 | -34 | -7 | -29 | -17 | <10 | 45 | 33 | 30 | <10 | <10 | <10 | <10 |
| 12 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -35 | -53 | -241 | -704 | ---- | 1018 | 245 | 91 | 27 | <10 | <10 | <10 | <10 |
| 13 | <10 | <10 | <10 | <10 | <10 | 10 | 23 | 105 | 2408 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 2842 | 1721 | 2089 | 1049 | 1006 | 41 | 26 | 137 |
| 14 | 64 | <10 | 28 | <10 | <10 | <10 | <10 | 45 | 42 | -343 | -149 | -16 | -8 | -13 | -40 | -77 | <10 | 39 | 16 | <10 | <10 | <10 | <10 | <10 |
| 15 | <10 | <10 | <10 | <10 | <10 | <10 | 23 | 115 | ---- | -7 | -5 | -52 | -93 | -126 | -75 | -286 | ++++ | 426 | 259 | 131 | 220 | 447 | 316 | 436 |
| 16 | 345 | 175 | 52 | 20 | 96 | 59 | 112 | 68 | 183 | 3057 | -771 | -221 | -592 | 626 | 1273 | 421 | 421 | 101 | 112 | 136 | 62 | 14 | 20 | <10 |
| 17 | 10 | <10 | <10 | <10 | <10 | 16 | 23 | <10 | -831 | -262 | -106 | -86 | -81 | -211 | -442 | ---- | 1312 | 583 | 312 | 458 | 416 | 532 | 499 | 120 |
| 18 | <10 | **** | 23 | 17 | 30 | 33 | 149 | 282 | 652 | 479 | 302 | 200 | 230 | <10 | 15 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 19 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 14 | -37 | -89 | -103 | -259 | 225 | 73 | 156 | 112 | 35 | 38 | 31 | <10 | <10 | <10 | <10 |
| 20 | <10 | <10 | <10 | <10 | <10 | <10 | 88 | 308 | 1877 | 2333 | -667 | -578 | -189 | -198 | 2753 | 2431 | 1550 | 222 | 70 | 48 | 177 | 58 | 16 | <10 |
| 21 | <10 | <10 | <10 | 19 | <10 | <10 | <10 | 28 | 831 | ---- | -564 | -763 | -411 | -253 | -448 | 967 | 505 | 331 | 118 | 94 | 126 | 131 | 13 | <10 |
| 22 | <10 | <10 | <10 | <10 | <10 | <10 | 54 | 172 | 228 | -278 | -107 | -77 | -123 | -85 | -144 | -323 | 435 | 164 | 14 | <10 | <10 | <10 | <10 | <10 |
| 23 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 34 | 55 | -293 | -128 | -96 | -70 | -62 | -61 | -209 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 24 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -66 | -15 | -34 | -74 | -245 | 1473 | 97 | 17 | 16 | <10 | <10 | <10 | <10 |
| 25 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -75 | -81 | -208 | -347 | -591 | ---- | 1006 | 243 | 52 | <10 | <10 | <10 | <10 | <10 |
| 26 | <10 | **** | 20 | <10 | <10 | 29 | 19 | 135 | <10 | <10 | <10 | -103 | -44 | -49 | -44 | -327 | 357 | 26 | <10 | <10 | <10 | 43 | 21 | <10 |
| 27 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 386 | ---- | ---- | -795 | -684 | -776 | ---- | ---- | 2873 | 1062 | 545 | 416 | 159 | 165 | 57 | 87 |
| 28 | 16 | 15 | <10 | <10 | <10 | <10 | <10 | -372 | -23 | -87 | -59 | -70 | -96 | -163 | -312 | -355 | ---- | 278 | 65 | <10 | <10 | <10 | 25 | 12 |
| 29 | 19 | <10 | <10 | <10 | 14 | 52 | <10 | -203 | -235 | -229 | -213 | -216 | -405 | -500 | -508 | ---- | 1702 | 876 | 544 | 230 | 76 | 90 | 66 | 96 |
| 30 | 53 | 17 | <10 | <10 | <10 | <10 | <10 | -820 | -4 | -18 | -43 | -73 | -32 | -52 | -42 | -114 | <10 | 253 | 60 | 32 | <10 | <10 | <10 | 14 |

PERCENT VALID HOURS FOR APR, 1995 718*100/ 720= 99.7%

THREE HIGHEST VALUES FOR APR, 1995 XXXX(DD,HH) = ++++( 9, 7) ++++(15,16) ++++( 7,15) (FIRST OCCURRENCE IN MONTH)

SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1 — MAY, 1995

MONIN-OBUKHOV LENGTH 1 TIMES 10 — 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 | <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 | 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 | <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 — JULY, 1995

MONIN-OBUKHOV LENGTH 1 TIMES 10 — 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 | 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 AUG, 1995

MONIN-OBUKHOV LENGTH 1 TIMES 10 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 | <10 | <10 | <10 | -18 | -2 | -1 | -2 | -73 | -21 | -7 | -21 | -48 | -239 | 123 | 20 | 20 | <10 | <10 | <10 | <10 |
| 2 | <10 | **** | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -2 | -1 | -266 | -32 | -80 | -143 | -186 | -564 | 274 | 46 | 22 | <10 | <10 | <10 | <10 |
| 3 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -11 | -6 | -40 | -141 | -140 | -204 | -248 | -271 | -771 | 438 | 68 | <10 | <10 | <10 | <10 | 43 |
| 4 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -2 | -15 | -72 | -161 | -172 | -290 | -329 | -464 | ---- | 484 | 102 | 36 | <10 | <10 | <10 | <10 |
| 5 | <10 | <10 | 11 | <10 | <10 | <10 | <10 | <10 | <10 | -16 | -18 | -44 | -185 | -335 | -506 | -736 | ---- | 558 | 114 | 15 | <10 | <10 | <10 | <10 |
| 6 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -71 | -205 | -224 | -212 | -175 | -168 | -434 | ---- | 426 | 79 | 45 | 26 | 40 | 37 | <10 |
| 7 | <10 | <10 | <10 | 17 | <10 | <10 | <10 | <10 | -19 | -184 | -193 | -319 | -479 | -557 | -745 | -942 | ---- | 1329 | 488 | 283 | 141 | 145 | 64 | <10 |
| 8 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 102 | -116 | -41 | -16 | 0 | -25 | -81 | -151 | -202 | -506 | 402 | 64 | <10 | <10 | <10 | <10 | 11 |
| 9 | 15 | <10 | <10 | <10 | 11 | <10 | <10 | <10 | <10 | -112 | **** | **** | **** | **** | 19 | ---- | ---- | 529 | 188 | 42 | 21 | <10 | <10 | 15 |
| 10 | <10 | <10 | <10 | <10 | <10 | **** | 157 | 515 | 1026 | 1551 | 2952 | -661 | ---- | ---- | ---- | ---- | 6771 | 966 | 269 | 59 | 72 | 14 | <10 | <10 |
| 11 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 198 | ---- | -833 | -570 | -394 | -514 | -517 | -641 | -780 | ---- | 870 | 172 | 12 | <10 | <10 | <10 | <10 |
| 12 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 94 | 575 | 2711 | ---- | -259 | -189 | -239 | -352 | -425 | -857 | 822 | 212 | 159 | 71 | 45 | 41 | 10 |
| 13 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -50 | -24 | -31 | -73 | -154 | -163 | -200 | -836 | 181 | 30 | 20 | <10 | <10 | <10 | <10 |
| 14 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -37 | -20 | -67 | -153 | -248 | -284 | -500 | ---- | 210 | 29 | <10 | <10 | <10 | <10 | <10 |
| 15 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 16 | -149 | -443 | -339 | -371 | -396 | -524 | -838 | ---- | 607 | 148 | <10 | <10 | <10 | <10 | <10 |
| 16 | 24 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | ---- | -507 | ---- | -867 | -853 | -774 | -828 | ---- | ++++ | 497 | 191 | <10 | <10 | <10 | <10 | <10 |
| 17 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | ---- | -389 | -429 | -306 | -464 | -500 | -389 | -609 | ---- | 788 | 273 | 144 | 81 | 14 | <10 | <10 |
| 18 | <10 | <10 | <10 | <10 | <10 | 34 | <10 | 169 | -48 | -5 | -33 | -57 | -10 | -10 | -26 | -23 | -102 | <10 | 78 | 33 | 14 | <10 | <10 | <10 |
| 19 | <10 | <10 | <10 | <10 | <10 | <10 | -3 | <10 | <10 | <10 | -6 | -21 | -17 | -48 | -19 | -88 | 605 | 92 | 33 | <10 | 18 | <10 | <10 | <10 |
| 20 | <10 | <10 | <10 | <10 | 50 | <10 | <10 | <10 | <10 | 27 | 48 | <10 | <10 | <10 | <10 | 75 | <10 | <10 | <10 | <10 | <10 | 34 | <10 | <10 |
| 21 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 21 | 17 | <10 | -78 | -28 | -62 | 411 | 115 | 530 | 61 | 10 | 12 | <10 | <10 | <10 | <10 |
| 22 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -15 | -27 | -19 | -27 | -39 | -83 | -374 | 93 | 267 | 39 | <10 | <10 | 20 | 11 |
| 23 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -32 | -58 | -43 | -224 | -268 | -317 | ---- | 267 | 117 | 96 | 33 | <10 | 22 | 13 | <10 |
| 24 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 179 | -898 | -742 | -401 | -429 | -344 | -582 | ---- | 4442 | 380 | 71 | <10 | <10 | <10 | <10 | <10 |
| 25 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 28 | -512 | -721 | -413 | -440 | -510 | -576 | ---- | 970 | 223 | 31 | <10 | <10 | <10 | 10 | <10 |
| 26 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -191 | -262 | -421 | -849 | ---- | 1268 | 270 | 23 | <10 | <10 | <10 | <10 | <10 |
| 27 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | ---- | ---- | -672 | -469 | -499 | -474 | -624 | ---- | 2031 | 300 | 79 | <10 | <10 | <10 | <10 | 14 |
| 28 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -465 | -486 | -310 | -312 | -475 | -665 | ---- | 2078 | 567 | 226 | 50 | <10 | <10 | <10 | <10 |
| 29 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -392 | -204 | -226 | -270 | -295 | -401 | ---- | 1557 | 271 | 28 | 23 | <10 | <10 | <10 | <10 |
| 30 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 0 | <10 | <10 | -88 | -166 | -235 | -200 | -257 | -363 | 769 | 118 | 28 | 10 | <10 | <10 | <10 | 12 |
| 31 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | -61 | -86 | -340 | -336 | -454 | 3784 | 275 | 66 | <10 | <10 | <10 | <10 | <10 |

PERCENT VALID HOURS FOR AUG, 1995 738*100/ 744= 99.2%

THREE HIGHEST VALUES FOR AUG, 1995 XXXX(DD,HH) = ++++(16,16) 6771(10,16) 4442(24,16) (FIRST OCCURRENCE IN MONTH)

SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1 — SEPT, 1995

MONIN-OBUKHOV LENGTH 1 TIMES 10 — 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 | <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 | 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 | -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 — OCT, 1995

MONIN-OBUKHOV LENGTH 1 TIMES 10 — 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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 NOV, 1995

MONIN-OBUKHOV LENGTH 1 TIMES 10 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 | 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)

SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 1 DEC, 1995

MONIN-OBUKHOV LENGTH 1 TIMES 10 MONIN1

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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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 MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 2 JAN, 1995

MONIN-OBUKHOV LENGTH 2 TIMES 10 MONIN2

| 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 | <20 | 123 | <20 | 171 | 216 | 167 | 161 | 70 | 151 | 152 | 57 | 26 | <20 | 275 | 253 | 191 | 57 | 28 | <20 | <20 | <20 | <20 | <20 | <20 |
| 2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 3 | <20 | <20 | <20 | 23 | 50 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 20 | <20 | 23 | <20 | <20 | <20 | <20 | <20 | <20 |
| 4 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 411 | 24 | 61 | 42 | 62 | <20 | 69 | 52 | 59 | 65 | 99 | <20 |
| 5 | 35 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 208 | 2553 | 674 | 292 | 20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 6 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 7 | <20 | <20 | <20 | <20 | 21 | 122 | <20 | 240 | 74 | 180 | 73 | 26 | 242 | 114 | 66 | 28 | <20 | <20 | <20 | 60 | <20 | <20 | 42 | 34 |
| 8 | <20 | <20 | <20 | <20 | <20 | 38 | <20 | 68 | <20 | <20 | <20 | <20 | 34 | 53 | <20 | <20 | 67 | 107 | <20 | <20 | 64 | 56 | 60 | 78 |
| 9 | 57 | <20 | <20 | 90 | <20 | <20 | <20 | 24 | <20 | 67 | <20 | <20 | <20 | 381 | 520 | 268 | <20 | <20 | 24 | 52 | <20 | <20 | <20 | <20 |
| 10 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 163 | <20 | 52 | <20 | 98 | 63 | 95 | 46 | 195 |
| 11 | 541 | 680 | 383 | 114 | <20 | <20 | <20 | 31 | 25 | <20 | 40 | 541 | 846 | 939 | 591 | 498 | 203 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 12 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 32 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 13 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 34 | <20 | <20 |
| 14 | <20 | <20 | <20 | <20 | 31 | 32 | 50 | <20 | <20 | <20 | <20 | 187 | -806 | <20 | <20 | 567 | 68 | 63 | 32 | <20 | 362 | 632 | 564 | 593 |
| 15 | 444 | 406 | 453 | 546 | 412 | 277 | 232 | 185 | 275 | 887 | 2792 | ---- | ---- | 6442 | 260 | 370 | 674 | 295 | <20 | 55 | <20 | <20 | <20 | <20 |
| 16 | <20 | <20 | <20 | 35 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | ---- | -42 | -44 | -586 | 608 | 308 | 171 | 128 | 102 | <20 | <20 | <20 | <20 |
| 17 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -20 | -5 | -9 | -10 | -451 | <20 | 20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 18 | <20 | <20 | <20 | <20 | <20 | 61 | <20 | <20 | <20 | <20 | -1 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 19 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -41 | <20 | <20 | 39 | 30 | <20 | <20 | <20 | <20 | <20 | <20 |
| 20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 121 | 53 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 21 | <20 | <20 | 20 | <20 | <20 | 89 | 114 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -162 | ---- | <20 | 31 | 37 | <20 | <20 | <20 | <20 | <20 |
| 22 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 22 | <20 | -63 | -66 | 97 | 325 | <20 | <20 | <20 | <20 | <20 | 52 | <20 |
| 23 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 93 | 51 | 172 | 99 | 127 | 223 | <20 | 22 | <20 | 46 | 62 | <20 |
| 24 | 79 | 101 | 81 | <20 | 24 | 323 | 41 | 76 | <20 | <20 | <20 | <20 | 78 | ---- | ---- | 393 | 139 | 49 | 73 | <20 | <20 | 125 | 47 | 70 |
| 25 | 71 | 72 | 34 | 85 | 40 | 152 | <20 | <20 | 41 | <20 | <20 | <20 | 196 | 247 | 434 | 80 | 97 | <20 | <20 | 129 | 55 | <20 | 41 | <20 |
| 26 | <20 | 25 | 27 | 119 | 246 | 249 | 160 | 40 | <20 | 93 | 807 | ---- | ---- | ---- | 3281 | 1099 | 84 | 32 | <20 | <20 | <20 | <20 | <20 | <20 |
| 27 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 99 | -32 | -334 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 28 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 47 | -23 | <20 | -10 | -3 | -8 | -32 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 29 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -14 | <20 | <20 | -64 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 30 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 37 | <20 | -1 | ---- | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 31 | <20 | <20 | <20 | <20 | <20 | 74 | <20 | <20 | <20 | <20 | 356 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |

PERCENT VALID HOURS FOR JAN, 1995 744*100/ 744=100.0%

THREE HIGHEST VALUES FOR JAN, 1995 XXXX(DD,HH) = 6442(15,13) 3281(26,14) 2792(15,10) (FIRST OCCURRENCE IN MONTH)

SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 2 FEB, 1995

MONIN-OBUKHOV LENGTH 2 TIMES 10 MONIN2

| 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 | <20 | <20 | <20 | 26 | <20 | <20 | <20 | <20 | <20 | <20 | 56 | <20 | <20 | -19 | -36 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 82 | -11 | -8 | 120 | 100 | 41 | 71 | 51 | <20 | <20 | <20 | <20 | <20 |
| 3 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 4 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -5 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 5 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -6 | -253 | <20 | <20 | 21 | <20 | <20 | <20 | <20 | <20 | <20 |
| 6 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -9 | <20 | <20 | <20 | 57 | <20 | <20 | <20 | <20 | <20 | <20 |
| 7 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 303 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 8 | <20 | <20 | 82 | 118 | 137 | 241 | 151 | 166 | 357 | 716 | 5879 | ---- | -886 | -304 | -490 | 1009 | 231 | 86 | 28 | <20 | <20 | <20 | <20 | <20 |
| 9 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -18 | -17 | -2 | -18 | -31 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 10 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 103 | -50 | -139 | -462 | 1188 | 92 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 11 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 23 | ---- | ++++ | 1340 | 344 | 172 | <20 | <20 | <20 | <20 | 32 | <20 | <20 |
| 12 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -79 | -93 | -275 | ---- | 4379 | 1052 | 336 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 13 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 45 | 2898 | 3885 | 2254 | 1494 | 1166 | 632 | 313 | 702 | 484 | 706 | 853 | 821 | 909 |
| 14 | 902 | 905 | 1254 | 1052 | 555 | 390 | 278 | 541 | 964 | 1898 | 1439 | 724 | 702 | 6480 | 133 | <20 | 58 | 47 | 189 | 83 | 29 | 136 | 81 | <20 |
| 15 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -3 | -17 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 16 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -4 | -10 | <20 | -186 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 17 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -1 | -5 | -45 | -37 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 18 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -18 | -92 | -207 | <20 | <20 | <20 | <20 | 103 | 65 | <20 | <20 | <20 |
| 19 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -4 | <20 | 184 | 1958 | 995 | 374 | 175 | 112 | <20 | <20 | <20 | <20 | <20 | <20 |
| 20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 21 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | ---- | <20 | <20 | <20 | <20 | 1154 | 590 | 413 | 295 | 73 | <20 | <20 | <20 | <20 | <20 | <20 |
| 22 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 89 | -145 | 52 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 23 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 236 | ++++ | -45 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 24 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -30 | <20 | <20 | <20 | <20 | <20 | <20 | 29 | <20 | <20 |
| 25 | 23 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 777 | -357 | -407 | ---- | 1068 | 256 | 314 | 277 | 21 | <20 | <20 | <20 | <20 |
| 26 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -125 | ---- | 367 | 136 | 37 | <20 | <20 | 33 | <20 | <20 | <20 |
| 27 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -1 | <20 | <20 | 1017 | ---- | 1171 | 305 | 120 | 60 | 352 | 141 | 116 | <20 | <20 | <20 |
| 28 | <20 | <20 | <20 | <20 | 23 | <20 | <20 | 846 | <20 | 37 | <20 | <20 | 29 | <20 | -133 | -5 | <20 | <20 | <20 | <20 | 39 | 163 | <20 | 97 |

PERCENT VALID HOURS FOR FEB, 1995 672*100/ 672=100.0%

THREE HIGHEST VALUES FOR FEB, 1995 XXXX(DD,HH) = ++++(23,13) ++++(11,13) 6480(14,13) (FIRST OCCURRENCE IN MONTH)

SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 2 MAR, 1995

MONIN-OBUKHOV LENGTH 2 TIMES 10 MONIN2

| 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 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -426 | -284 | -969 | ---- | ---- | 995 | 189 | 83 | <20 | <20 | <20 | <20 | <20 | <20 |
| 2 | <20 | 27 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 20 | <20 | -3 | -106 | ---- | 1447 | 1103 | 648 | 138 | <20 | <20 | <20 | <20 | <20 | <20 |
| 3 | <20 | <20 | <20 | 25 | <20 | <20 | <20 | 166 | 348 | 758 | 1677 | 3050 | 1910 | 5138 | 2869 | 1814 | 884 | 504 | 337 | 53 | 107 | 107 | <20 | 100 |
| 4 | 131 | 71 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -106 | 339 | -72 | -162 | ---- | ++++ | 394 | 159 | <20 | <20 | <20 | <20 | <20 | <20 |
| 5 | <20 | 336 | 337 | 340 | 238 | 92 | <20 | 74 | 563 | 713 | 1680 | ---- | ---- | 1224 | 544 | 763 | 812 | 833 | 892 | 981 | 60 | 226 | <20 | <20 |
| 6 | <20 | <20 | 343 | 479 | 381 | 532 | 327 | 357 | 723 | ---- | -420 | -223 | -68 | -11 | -22 | -51 | -356 | <20 | <20 | 59 | <20 | <20 | <20 | <20 |
| 7 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 0 | -17 | -14 | -33 | -83 | 485 | 140 | 44 | <20 | <20 | 23 | <20 | <20 | <20 |
| 8 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | ---- | 1497 | 487 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 9 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 37 | <20 | <20 | <20 | ---- | -90 | 2044 | 766 | 372 | 258 | 201 | 167 | 147 | 307 | 273 | 117 |
| 10 | 41 | <20 | <20 | 155 | 108 | <20 | 78 | 184 | <20 | <20 | <20 | <20 | 21 | <20 | 32 | <20 | <20 | 26 | 58 | 162 | 116 | 84 | 21 | <20 |
| 11 | 122 | 117 | 31 | <20 | <20 | <20 | <20 | 131 | 41 | 308 | 968 | ---- | ---- | 8469 | ---- | 2773 | 1033 | 360 | 169 | 240 | 74 | 31 | <20 | <20 |
| 12 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -12 | -271 | -35 | -152 | -318 | -649 | 337 | 77 | 35 | <20 | <20 | <20 | <20 | <20 |
| 13 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -23 | <20 | <20 | -9 | <20 | <20 | <20 | <20 | <20 | <20 | 50 | <20 | <20 | <20 |
| 14 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -4 | <20 | <20 | <20 | -8 | -10 | -10 | -98 | 76 | 87 | 31 | <20 | <20 | <20 | <20 | <20 |
| 15 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -11 | -45 | -9 | **** | <20 | <20 | -12 | <20 | -198 | 94 | 46 | 27 | <20 | <20 | <20 | <20 | <20 |
| 16 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 17 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -13 | <20 | <20 | -6 | -61 | -169 | 2351 | 112 | 50 | 58 | <20 | <20 | <20 | <20 | <20 |
| 18 | <20 | <20 | <20 | <20 | 21 | <20 | <20 | 76 | <20 | -47 | <20 | <20 | 120 | -354 | 3277 | 1094 | 343 | 160 | 47 | <20 | <20 | <20 | <20 | 22 |
| 19 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 162 | 325 | -182 | -41 | -6 | -18 | -715 | 214 | 137 | 47 | 22 | <20 | <20 | <20 | <20 |
| 20 | <20 | <20 | <20 | <20 | <20 | 34 | <20 | 22 | 0 | <20 | 50 | 97 | 1857 | 3314 | 2218 | 1733 | 1383 | 1047 | 827 | 784 | 775 | 837 | 1018 | 1517 |
| 21 | 2011 | 1721 | 1220 | 1087 | 1323 | 1224 | 1388 | 4949 | ---- | ---- | 1458 | 2526 | ---- | 1800 | ---- | 4914 | 2073 | 1440 | 956 | 748 | 564 | 591 | 251 | <20 |
| 22 | <20 | <20 | 69 | 67 | <20 | <20 | <20 | <20 | 35 | <20 | 266 | -112 | -386 | -899 | ---- | ---- | 5772 | 813 | 576 | 33 | <20 | <20 | <20 | <20 |
| 23 | <20 | <20 | <20 | <20 | <20 | 52 | 51 | 22 | <20 | 5786 | 1456 | 1604 | 2571 | 118 | 49 | ---- | 967 | 380 | 67 | <20 | <20 | <20 | <20 | <20 |
| 24 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | ---- | -158 | -449 | -24 | -115 | -722 | ---- | 806 | 420 | <20 | 31 | 101 | 37 | <20 | <20 |
| 25 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 77 | ---- | -660 | -369 | -156 | -159 | -225 | -652 | 400 | 54 | 56 | <20 | <20 | <20 | 24 | <20 |
| 26 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -796 | -8 | -28 | -31 | -8 | -4 | -27 | -101 | <20 | <20 | 46 | <20 | <20 | <20 | <20 |
| 27 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 829 | ---- | -800 | -525 | -393 | -533 | -754 | ---- | 3426 | 282 | 98 | 105 | 144 | <20 | <20 | <20 |
| 28 | <20 | <20 | <20 | <20 | 127 | <20 | <20 | <20 | 3472 | -329 | -399 | -208 | -143 | -122 | -165 | -316 | 1565 | 530 | 179 | 42 | <20 | <20 | 94 | 85 |
| 29 | 112 | <20 | <20 | <20 | 87 | <20 | <20 | <20 | -1 | -1 | -26 | -31 | -23 | -25 | -43 | -87 | -331 | 113 | 59 | 54 | 116 | 98 | 89 | 97 |
| 30 | <20 | <20 | <20 | <20 | <20 | <20 | 74 | 317 | 4706 | ---- | -329 | -145 | -118 | -85 | -106 | -116 | 480 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 31 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -4 | -2 | -7 | -78 | -39 | 28 | <20 | 37 | <20 | <20 | <20 | <20 | <20 |

PERCENT VALID HOURS FOR MAR, 1995 743*100/ 744= 99.9%

THREE HIGHEST VALUES FOR MAR, 1995 XXXX(DD,HH) = ++++( 4,15) 8469(11,13) 5786(23, 9) (FIRST OCCURRENCE IN MONTH)

SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 2 APR, 1995

MONIN-OBUKHOV LENGTH 2 TIMES 10 MONIN2

| 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 | <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 | -16 | -39 | -85 | -144 | -450 | -766 | 2499 | 130 | <20 | <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 MAY, 1995

MONIN-OBUKHOV LENGTH 2 TIMES 10 MONIN2

| 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 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -4 | -74 | -207 | -284 | -361 | -319 | -489 | ---- | ---- | 5090 | 2502 | 2465 | 1591 | 811 | 464 | 262 |
| 2 | 628 | 40 | 87 | 39 | <20 | <20 | <20 | -6 | -5 | -41 | -99 | -58 | -39 | -64 | -76 | -131 | -240 | 820 | 62 | <20 | <20 | <20 | <20 | <20 |
| 3 | <20 | <20 | <20 | <20 | <20 | <20 | 171 | -55 | -1 | -9 | -5 | -15 | -16 | -76 | -85 | -113 | -182 | 968 | 29 | <20 | 61 | <20 | <20 | <20 |
| 4 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -10 | -40 | -36 | -265 | -781 | -799 | -971 | ---- | ---- | ---- | 1493 | 158 | 41 | 240 | 104 | 206 | <20 |
| 5 | <20 | 76 | 771 | 714 | 868 | 796 | 7181 | ---- | ---- | -635 | ---- | ---- | ---- | ---- | 1508 | ---- | ---- | 1198 | 620 | 474 | 435 | 232 | 326 | 753 |
| 6 | 717 | 814 | 445 | 564 | 48 | 47 | 1030 | -266 | -211 | -116 | -78 | -18 | -25 | -24 | -103 | -72 | -207 | -281 | 1054 | 207 | <20 | <20 | <20 | 23 |
| 7 | 63 | <20 | <20 | <20 | <20 | <20 | 166 | -300 | -194 | -167 | -201 | -147 | -214 | -99 | 859 | ---- | 1012 | 952 | 133 | <20 | <20 | <20 | 66 | 54 |
| 8 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -8 | -7 | -69 | -34 | -46 | -89 | -49 | -27 | -171 | 2149 | 89 | <20 | 26 | <20 | <20 | <20 |
| 9 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 0 | -11 | -8 | -58 | -78 | -105 | -141 | -308 | -759 | 1554 | 77 | <20 | <20 | 20 | <20 | 74 |
| 10 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -11 | -2 | 0 | -44 | -8 | -39 | -65 | -59 | -105 | -194 | 1070 | 50 | 56 | <20 | <20 | <20 | <20 |
| 11 | <20 | <20 | <20 | <20 | <20 | <20 | 82 | -167 | -29 | -81 | -109 | -116 | -147 | -278 | -362 | -459 | -773 | 3641 | 218 | 187 | 298 | 309 | 81 | <20 |
| 12 | 48 | <20 | <20 | <20 | <20 | 39 | 894 | -492 | -112 | -90 | -39 | -21 | -135 | -195 | -163 | -202 | -475 | ---- | 455 | 106 | 153 | 331 | 525 | 213 |
| 13 | 178 | 147 | 72 | 133 | 103 | <20 | <20 | -28 | -17 | -224 | -700 | -562 | -590 | -489 | -686 | -918 | ---- | ---- | 1227 | 485 | 413 | 278 | 73 | 205 |
| 14 | <20 | <20 | <20 | <20 | <20 | <20 | -2 | -405 | -1 | -13 | -36 | -24 | -60 | -114 | -198 | -218 | -561 | -446 | 82 | <20 | 48 | <20 | <20 | 277 |
| 15 | 1374 | 3159 | 409 | <20 | 42 | 119 | 73 | -127 | -10 | -7 | -1 | -17 | -46 | -24 | -29 | -55 | -102 | ---- | 96 | 61 | <20 | <20 | <20 | <20 |
| 16 | <20 | <20 | <20 | <20 | <20 | <20 | 70 | <20 | -3 | -1 | -8 | -23 | -173 | -194 | -567 | -534 | -778 | ---- | 332 | 41 | <20 | <20 | <20 | <20 |
| 17 | <20 | <20 | <20 | <20 | <20 | <20 | -797 | <20 | -3 | -3 | -13 | -23 | -43 | -88 | -115 | -140 | -125 | ---- | 195 | 57 | <20 | <20 | <20 | <20 |
| 18 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 0 | <20 | -23 | -81 | -80 | -95 | -86 | -88 | -70 | -178 | ---- | 69 | 30 | <20 | <20 | <20 | <20 |
| 19 | <20 | <20 | 32 | <20 | <20 | <20 | <20 | <20 | -1 | -2 | -9 | -16 | -45 | -25 | -56 | -80 | -139 | 641 | 127 | <20 | <20 | <20 | <20 | <20 |
| 20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 0 | -18 | -55 | -52 | -44 | -133 | -247 | -599 | 2150 | 90 | <20 | <20 | 34 | <20 | 25 |
| 21 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -3 | -9 | -12 | -143 | -228 | -677 | ---- | ---- | ---- | 1415 | 224 | 25 | <20 | <20 | <20 | <20 |
| 22 | <20 | <20 | <20 | <20 | <20 | 51 | 420 | -521 | -196 | -46 | -82 | -173 | -150 | -270 | 215 | 96 | 365 | 346 | 473 | 275 | 192 | <20 | <20 | <20 |
| 23 | <20 | <20 | <20 | <20 | <20 | <20 | -256 | -31 | -14 | -30 | -304 | ---- | 170 | <20 | 1101 | -557 | ++++ | 366 | 84 | 96 | 23 | 23 | <20 | <20 |
| 24 | <20 | <20 | <20 | <20 | <20 | <20 | 131 | -364 | -257 | -211 | -339 | -221 | -702 | **** | 471 | 315 | 165 | 72 | 319 | 216 | <20 | <20 | <20 | <20 |
| 25 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -30 | -19 | ---- | -149 | -97 | -826 | -431 | ---- | 232 | 150 | 413 | 258 | 58 | 171 | 26 | <20 |
| 26 | <20 | <20 | <20 | <20 | <20 | 31 | 24 | -37 | -18 | -112 | -98 | -53 | -86 | -55 | -161 | -279 | -652 | 1771 | 112 | <20 | <20 | <20 | <20 | <20 |
| 27 | <20 | <20 | 34 | 23 | <20 | <20 | <20 | -66 | <20 | -100 | 576 | 3097 | -431 | -352 | -92 | -347 | -829 | 59 | <20 | 96 | 130 | <20 | <20 | <20 |
| 28 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -7 | -4 | -21 | -89 | -76 | -51 | -80 | -78 | -305 | -364 | ---- | 491 | 34 | <20 | <20 | <20 | <20 |
| 29 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -5 | -2 | -30 | -32 | -72 | -18 | -144 | -82 | -76 | -383 | ---- | 429 | <20 | <20 | <20 | <20 | 25 |
| 30 | <20 | <20 | <20 | <20 | <20 | <20 | -52 | -6 | -4 | -4 | -10 | -15 | -14 | -35 | -75 | -142 | -412 | ---- | 136 | 45 | <20 | <20 | <20 | <20 |
| 31 | <20 | <20 | <20 | <20 | <20 | <20 | -1 | <20 | -27 | -57 | -6 | -34 | -76 | -27 | -83 | -289 | -898 | 1886 | 161 | 57 | <20 | <20 | <20 | <20 |

PERCENT VALID HOURS FOR MAY, 1995 743*100/ 744= 99.9%

THREE HIGHEST VALUES FOR MAY, 1995 XXXX(DD,HH) = ++++(23,16) 7181( 5, 6) 5090( 1,17) (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

| 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 | <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 | <20 | 0 | -5 | -5 | -27 | -19 | -26 | -24 | -22 | -21 | -48 | 28 | 26 | 28 | <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 | <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 | -95 | -4 | -4 | -26 | -68 | -42 | -31 | -105 | -20 | -69 | -142 | -496 | 125 | 63 | 40 | <20 | <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 | -5 | -196 | 444 | -26 | -46 | -43 | -30 | -47 | -102 | -839 | -852 | 336 | 507 | 134 | 53 | 51 | 35 | 53 |
| 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 JULY, 1995

MONIN-OBUKHOV LENGTH 2 TIMES 10 MONIN2

| 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 | <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 AUG, 1995

MONIN-OBUKHOV LENGTH 2 TIMES 10 MONIN2

| 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 | <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 SEPT, 1995

MONIN-OBUKHOV LENGTH 2 TIMES 10 MONIN2

| 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 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -23 | -182 | <20 | -40 | -909 | -677 | -193 | -137 | -227 | -260 | ---- | 149 | 166 | <20 | 87 | 51 | <20 |
| 2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -12 | -11 | 0 | -6 | -42 | -232 | -286 | -119 | -480 | ---- | 621 | 179 | 107 | <20 | <20 | <20 | <20 |
| 3 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -7 | -60 | -39 | -2 | -9 | -29 | -37 | -61 | -209 | -140 | ---- | 250 | 40 | <20 | <20 | 105 | 34 |
| 4 | 290 | <20 | <20 | <20 | <20 | 23 | -203 | -10 | -15 | -241 | -368 | -335 | -338 | -417 | -580 | -600 | ---- | 1330 | 176 | <20 | <20 | <20 | <20 | <20 |
| 5 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -6 | -16 | -41 | -128 | -202 | -232 | -270 | -225 | -304 | -850 | 245 | 27 | <20 | <20 | <20 | <20 | <20 |
| 6 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -262 | -13 | -4 | -31 | -149 | -177 | -215 | -314 | -553 | 571 | 78 | <20 | <20 | 312 | 69 | 67 |
| 7 | 129 | 127 | 37 | 73 | <20 | 40 | 95 | 140 | -47 | -83 | -323 | -362 | -263 | -331 | -394 | -568 | ---- | 588 | 152 | <20 | <20 | <20 | 27 | <20 |
| 8 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 24 | -30 | -69 | -102 | -157 | -187 | -212 | -343 | ---- | 301 | 31 | <20 | 49 | <20 | <20 | <20 |
| 9 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -76 | -6 | -29 | -42 | -115 | -278 | -858 | ---- | 845 | <20 | <20 | 24 | <20 | <20 | <20 |
| 10 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 0 | -8 | -91 | -159 | -352 | -602 | ---- | 216 | <20 | <20 | 24 | <20 | <20 | <20 |
| 11 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -2 | -3 | -13 | -69 | -79 | -178 | ---- | 71 | 22 | <20 | <20 | <20 | <20 | <20 |
| 12 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 0 | -3 | -8 | -7 | -15 | 22 | <20 | 32 | <20 | <20 | <20 | <20 | <20 |
| 13 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -1 | -4 | -5 | -14 | -20 | -21 | -102 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 14 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -4 | <20 | <20 | -13 | 0 | -13 | -46 | -79 | -62 | 51 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 15 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 23 | <20 | <20 | -25 | 0 | -38 | -29 | -13 | -73 | -434 | 60 | <20 | <20 | <20 | <20 | <20 | <20 |
| 16 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -65 | 31 | -53 | -46 | -178 | -262 | -348 | -457 | -775 | ---- | 575 | 145 | 279 | 256 | 132 | <20 | <20 |
| 17 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | ---- | -590 | -303 | -161 | -101 | -92 | -155 | -333 | ---- | 200 | 26 | <20 | <20 | <20 | <20 | <20 |
| 18 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -15 | -9 | -20 | -21 | -33 | -53 | -138 | -191 | 4767 | 258 | 97 | <20 | <20 | <20 | <20 | <20 |
| 19 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -2 | -2 | -3 | -70 | -37 | -52 | -104 | ---- | 120 | 21 | <20 | <20 | <20 | <20 | <20 |
| 20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -3 | -16 | -267 | -42 | -128 | -182 | -332 | -486 | -942 | 3206 | 179 | 62 | <20 | <20 | <20 | <20 | <20 |
| 21 | <20 | 368 | 454 | 564 | 470 | 587 | 887 | ---- | ---- | -493 | -285 | -151 | -171 | -141 | -107 | -245 | ++++ | 198 | 79 | 42 | 47 | <20 | <20 | 22 |
| 22 | <20 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 23 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 24 | **** | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -11 | <20 | -8 | -5 | -7 | -11 | -34 | -272 | 6185 | 135 | 41 | <20 | <20 | <20 | <20 | <20 |
| 25 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -17 | -72 | -12 | -97 | -509 | -801 | -927 | ---- | 2178 | 271 | <20 | 33 | <20 | <20 | <20 | <20 |
| 26 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -2 | <20 | -30 | -54 | -89 | -73 | -138 | -259 | -651 | 4090 | 322 | <20 | <20 | <20 | <20 | <20 | <20 |
| 27 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 23 | <20 | -28 | -17 | -328 | -501 | -721 | ---- | 1901 | 214 | 148 | <20 | <20 | <20 | <20 | <20 |
| 28 | <20 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 29 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 30 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

PERCENT VALID HOURS FOR SEPT, 1995 601*100/ 720= 83.5%

THREE HIGHEST VALUES FOR SEPT, 1995 XXXX(DD,HH) = ++++(21,16) 6185(24,16) 4767(18,16) (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 \ 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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 | 160 |
| 4 | 451 | 384 | 140 | 220 | 613 | 367 | 582 | 2227 | ---- | -836 | -530 | -466 | -313 | -358 | -543 | ---- | 1051 | 253 | 103 | 97 | 130 | <20 | 98 | 40 |
| 5 | <20 | <20 | 123 | 317 | 290 | 341 | 533 | 2075 | ---- | -320 | -436 | -171 | -91 | -88 | -172 | 804 | 258 | 33 | <20 | <20 | <20 | <20 | <20 | <20 |
| 6 | <20 | <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 | <20 |
| 8 | <20 | <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 | <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 | <20 |
| 11 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -161 | -343 | -644 | -770 | ---- | 2251 | 430 | 143 | <20 | <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 | 261 |
| 13 | 178 | 120 | 165 | 180 | 33 | <20 | 187 | 1137 | ---- | ---- | -487 | -175 | -140 | -291 | -424 | 3526 | 69 | 75 | <20 | <20 | <20 | 24 | <20 | <20 |
| 14 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -59 | <20 | -1 | -1 | -8 | 0 | -10 | 267 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 15 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -94 | -653 | 3582 | 489 | 35 | <20 | <20 | <20 | <20 | <20 | <20 |
| 16 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -2 | -6 | -21 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 17 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -10 | -8 | -4 | -2 | -7 | -42 | -22 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 18 | <20 | <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 | <20 | -9 | <20 | -1 | -2 | -63 | -296 | 1310 | 106 | <20 | <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 | 891 |
| 22 | 1038 | 534 | 300 | 243 | 209 | 355 | 110 | 1414 | ++++ | ---- | -291 | -200 | -440 | -408 | -926 | 1964 | 276 | 98 | 61 | <20 | <20 | <20 | 281 | <20 |
| 23 | 59 | <20 | <20 | <20 | <20 | 51 | 62 | 45 | 77 | ---- | -236 | -139 | -123 | -45 | -190 | <20 | <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 | <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 | <20 |
| 26 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -32 | -395 | 380 | 689 | 120 | 51 | <20 | <20 | <20 | <20 | <20 |
| 27 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -8 | -20 | -89 | -14 | -70 | 25 | <20 | 20 | <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 | <20 |
| 29 | <20 | <20 | <20 | 52 | 27 | <20 | <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 | <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 | <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

MONIN-OBUKHOV LENGTH 2 TIMES 10 MONIN2

| 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 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -42 | -214 | -192 | -303 | -141 | -532 | -595 | 5369 | 419 | 58 | 31 | <20 | <20 | <20 | <20 | <20 |
| 2 | <20 | <20 | <20 | <20 | <20 | 43 | <20 | <20 | <20 | 96 | -58 | <20 | -13 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 3 | <20 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 4 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 5 | **** | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -1 | <20 | <20 | <20 | 1241 | -508 | 7667 | 442 | 134 | 24 | <20 | <20 | <20 | <20 | <20 | <20 |
| 6 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -189 | ---- | ---- | 427 | 100 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 7 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -1 | <20 | <20 | 0 | -84 | 65 | 49 | 37 | 22 | <20 | <20 | <20 | <20 | <20 |
| 8 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -279 | -883 | 374 | 114 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 9 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -207 | -621 | ---- | 701 | 108 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 10 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 164 | -315 | -241 | -198 | -340 | ---- | 23 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 11 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -17 | -17 | -899 | 85 | 51 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 12 | <20 | <20 | <20 | 26 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -2 | <20 | 51 | 41 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 13 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -3 | -17 | 136 | 42 | <20 | <20 | 33 | <20 | <20 | <20 | <20 | <20 |
| 14 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | -44 | -590 | <20 | -23 | ---- | 149 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 15 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 16 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 173 | -330 | 775 | 149 | 23 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 17 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 18 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 53 | <20 | <20 | <20 | 68 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 19 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 20 | <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) = 7667( 5,14) 5369( 1,15) 1241( 5,12) (FIRST OCCURRENCE IN MONTH)

SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 2 DEC, 1995

MONIN-OBUKHOV LENGTH 2 TIMES 10 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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 MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3 — JAN, 1995

MONIN-OBUKHOV LENGTH 3 TIMES 10 — MONIN3

| 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 | <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 |
| 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 FEB, 1995

MONIN-OBUKHOV LENGTH 3 TIMES 10 MONIN3

| 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 | <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 | -614 | ---- | -295 | 0 | 0 | -3 | -4 | -14 | -6 | -172 | <80 | <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 MAR, 1995

MONIN-OBUKHOV LENGTH 3 TIMES 10 MONIN3

| 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 | -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 | 137 | <80 | -16 | -2 | **** | -5 | -1 | -1 | -2 | -11 | -505 | 80 | <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 APR, 1995

MONIN-OBUKHOV LENGTH 3 TIMES 10 MONIN3

| 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 | <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 | -5 | -2 | -27 | -4 | -65 | 528 | <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 MAY, 1995

MONIN-OBUKHOV LENGTH 3 TIMES 10 MONIN3

| 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 | <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 | 1115 | 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

| 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 | <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 | -20 | -3 | -2 | -6 | -1 | -3 | -6 | -1 | -2 | -16 | -1 | 0 | 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)

SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3 — JULY, 1995

MONIN-OBUKHOV LENGTH 3 TIMES 10 — MONIN3

| 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 | 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 AUG, 1995

MONIN-OBUKHOV LENGTH 3 TIMES 10 MONIN3

| 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 | <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 | -2 | 0 | 0 | -1 | -31 | -121 | -140 | -244 | -208 | -292 | -394 | -761 | 425 | <80 | <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 | 206 | 125 | <80 |
| 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 | -2 | -35 | 0 | <80 | **** | **** | **** | **** | ---- | 102 | 259 | -368 | -217 | -165 | -111 | -68 | -186 | -341 |
| 10 | -9 | -3 | -7 | -5 | -23 | **** | ---- | ---- | ---- | ---- | -840 | -346 | -511 | -611 | -784 | -496 | -679 | ---- | 1382 | 343 | 448 | 303 | 232 | 219 |
| 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 | -1 | -1 | -2 | -6 | 0 | -33 | -123 | -153 | -197 | -208 | -309 | ---- | 88 | <80 | <80 | <80 | <80 | <80 |
| 15 | <80 | <80 | <80 | <80 | <80 | <80 | -103 | -88 | -17 | -43 | -256 | -205 | -270 | -259 | -332 | -408 | -624 | ---- | 728 | <80 | <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 | -197 | -9 | -30 | -9 | -1 | -14 | -15 | -30 | -71 | -178 | -135 | -159 | 192 | 554 | <80 | <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)

SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3 SEPT, 1995

MONIN-OBUKHOV LENGTH 3 TIMES 10 MONIN3

| 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 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -90 | 0 | -1 | -8 | -380 | -289 | -172 | -162 | -493 | -617 | ---- | 3014 | 1240 | <80 | <80 | <80 | <80 |
| 2 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -5 | -4 | -2 | 0 | -38 | -251 | -547 | -142 | -284 | -954 | ---- | 357 | 347 | <80 | <80 | <80 | <80 |
| 3 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -9 | -16 | -5 | -1 | -3 | -10 | -15 | -58 | -139 | -105 | -627 | 672 | 173 | <80 | <80 | 113 | <80 |
| 4 | 388 | <80 | <80 | <80 | <80 | <80 | -130 | -1 | -2 | -131 | -247 | -242 | -270 | -300 | -451 | -391 | -614 | ---- | 334 | <80 | <80 | <80 | <80 | <80 |
| 5 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | 0 | -1 | -4 | -52 | -125 | -166 | -168 | -154 | -192 | -316 | 835 | <80 | <80 | <80 | <80 | <80 | <80 |
| 6 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -3 | -113 | -6 | -6 | -16 | -103 | -120 | -123 | -181 | -256 | ++++ | 213 | 116 | 5107 | ---- | ---- | 2317 |
| 7 | <80 | 288 | <80 | 105 | <80 | 94 | <80 | 0 | -13 | -18 | -208 | -239 | -179 | -231 | -240 | -320 | ---- | 2467 | 306 | <80 | <80 | <80 | <80 | <80 |
| 8 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -65 | -9 | -20 | -31 | -70 | -102 | -127 | -133 | -193 | -462 | 835 | 124 | <80 | <80 | <80 | <80 | <80 |
| 9 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | ---- | -2 | -5 | -5 | -11 | -22 | -85 | -190 | -552 | ---- | 4329 | <80 | <80 | <80 | <80 | <80 | <80 |
| 10 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | 0 | -89 | -3 | -4 | -3 | -56 | -100 | -257 | -333 | -953 | 465 | <80 | <80 | <80 | <80 | <80 | <80 |
| 11 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -3 | -4 | -1 | -8 | -6 | -10 | -38 | -50 | -68 | -138 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 12 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -37 | -305 | 0 | -3 | -5 | -3 | 0 | -1 | -2 | -21 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 13 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -1 | -63 | -88 | -5 | 0 | -3 | -1 | -6 | -15 | -12 | 100 | <80 | <80 | <80 | <80 | <80 | <80 |
| 14 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | ---- | -2 | -6 | -1 | -2 | 0 | -20 | -28 | -7 | -6 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 15 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | 229 | -1 | 0 | -1 | -1 | -3 | -11 | -6 | -52 | -43 | 89 | <80 | <80 | <80 | <80 | <80 | <80 |
| 16 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -1 | -1 | 0 | -2 | -115 | -188 | -234 | -306 | -427 | -785 | 1667 | 316 | 682 | 651 | 446 | <80 | <80 |
| 17 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -677 | -325 | -187 | -101 | -66 | -72 | -75 | -188 | -444 | 515 | <80 | <80 | <80 | <80 | <80 | <80 |
| 18 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -19 | -10 | -4 | -15 | -37 | -62 | -116 | -166 | ---- | 439 | 141 | <80 | <80 | <80 | <80 | <80 |
| 19 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -55 | -48 | -1 | 0 | -2 | -19 | -4 | -34 | -51 | -245 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 20 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | 0 | 0 | 0 | -24 | -78 | -115 | -237 | -313 | -524 | ---- | 326 | 128 | <80 | <80 | <80 | <80 | <80 |
| 21 | <80 | 585 | 782 | 964 | 893 | 1016 | 3551 | ---- | -514 | -306 | -195 | -87 | -96 | -57 | -33 | -89 | -578 | 511 | 176 | <80 | <80 | <80 | <80 | <80 |
| 22 | <80 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 23 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 24 | **** | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 25 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | 377 | 565 | 466 | 232 | 127 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 26 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 27 | <80 | <80 | <80 | <80 | <80 | 229 | <80 | <80 | <80 | <80 | <80 | <80 | 85 | 114 | 129 | 100 | <80 | <80 | 98 | <80 | <80 | <80 | <80 | <80 |
| 28 | <80 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 29 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 30 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

PERCENT VALID HOURS FOR SEPT, 1995 601*100/ 720= 83.5%

THREE HIGHEST VALUES FOR SEPT, 1995 XXXX(DD,HH) = ++++( 6,17) 5107( 6,20) 4329( 9,17) (FIRST OCCURRENCE IN MONTH)

SPILL TEST FACILITY MONIN-OBUKHOV LENGTH (m) BASED ON RICHARDSON NUMBER 3 — OCT, 1995

MONIN-OBUKHOV LENGTH 3 TIMES 10 — MONIN3

| 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 2 | **** | <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 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 4 | <80 | <80 | <80 | <80 | 103 | <80 | <80 | <80 | 233 | 191 | 323 | 288 | 95 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | 95 | <80 | <80 | <80 |
| 5 | <80 | <80 | <80 | <80 | <80 | 88 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 6 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <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 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 10 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 11 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | 166 | 162 | <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 | 137 |
| 13 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | 88 | <80 | 104 | <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 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 19 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 20 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 21 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | 322 |
| 22 | 298 | 127 | <80 | <80 | <80 | 79 | <80 | 481 | 577 | 599 | 175 | 342 | 572 | 248 | 112 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | 97 | <80 |
| 23 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 24 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 25 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -165 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 26 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | 101 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 27 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 28 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 29 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 30 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 31 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | 294 | 481 | 108 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |

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

| 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 | <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 | 537 | 204 | 192 | <80 | <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 | 1666 | <80 | <80 | -57 | <80 | 85 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 17 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | 1190 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |
| 18 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | -10 | -4 | -54 | -11 | -33 | -851 | <80 | <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 DEC, 1995

MONIN-OBUKHOV LENGTH 3 TIMES 10 MONIN3

| 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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

| 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 | 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

| 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 | 71 | 27 | 46 | 113 | 121 | 96 | 147 | 31 | -13 | 2 | -30 | -30 | -43 | -44 | -37 | -8 | 64 | 64 | 217 | 160 | 162 | 249 | 118 | 61 |
| 2 | 93 | 97 | 24 | 103 | 108 | 187 | 86 | 119 | 149 | 31 | -25 | -28 | -38 | -40 | -38 | 24 | 155 | 222 | 71 | 149 | 336 | 347 | 386 | 252 |
| 3 | 175 | 91 | 117 | 192 | 454 | 445 | 447 | 421 | 87 | -28 | -51 | -56 | -42 | -34 | -30 | -20 | 62 | 115 | 314 | 173 | 230 | 93 | 42 | 105 |
| 4 | 93 | 117 | 229 | 72 | 149 | 33 | 70 | 62 | -4 | -40 | -33 | -42 | -49 | -55 | -44 | -31 | 21 | 148 | 258 | 141 | 112 | 307 | 139 | 51 |
| 5 | 125 | 121 | 69 | 97 | 42 | 68 | 106 | 37 | 14 | -25 | -37 | -35 | -50 | -36 | -34 | -29 | 20 | 113 | 188 | 159 | 179 | 198 | 71 | 123 |
| 6 | 69 | 89 | 36 | 21 | 57 | 87 | 48 | 22 | -37 | -35 | -47 | -47 | -51 | -42 | -44 | -29 | 5 | 210 | 244 | 150 | 141 | 156 | 81 | 43 |
| 7 | 40 | 87 | 65 | 106 | 38 | 62 | 17 | 12 | 14 | -31 | -40 | -41 | -46 | -44 | -52 | -35 | -2 | 25 | 50 | 100 | 155 | 258 | 284 | 334 |
| 8 | 129 | 121 | 83 | 95 | 95 | 62 | 56 | 39 | 0 | -26 | -46 | -58 | -62 | -55 | -51 | -42 | -9 | 49 | 37 | 77 | 193 | 163 | 196 | 125 |
| 9 | 69 | 187 | 34 | 154 | 35 | 24 | 27 | 3 | -9 | -21 | -39 | -50 | -45 | -48 | -48 | -40 | -23 | 91 | 161 | 101 | 107 | 114 | 210 | 138 |
| 10 | 57 | 149 | 79 | 74 | 102 | 95 | 71 | 11 | -26 | -33 | -40 | -47 | -48 | -52 | -43 | -35 | 6 | 103 | 163 | 254 | 215 | 333 | 153 | 140 |
| 11 | 185 | 230 | 152 | 177 | 145 | 125 | 107 | -3 | -11 | -34 | -49 | -51 | -48 | -43 | -30 | -11 | 29 | 65 | 139 | 99 | 215 | 253 | 118 | 320 |
| 12 | 126 | 164 | 188 | 168 | 131 | 115 | 59 | 55 | 9 | 9 | -43 | -50 | -57 | -56 | -41 | -15 | 23 | 93 | 148 | 137 | 89 | 124 | 177 | 259 |
| 13 | 136 | 118 | 129 | 211 | 162 | 178 | 199 | 98 | 19 | 5 | -42 | -38 | -45 | -37 | -26 | -17 | -2 | 15 | 17 | 8 | 12 | 17 | 10 | 6 |
| 14 | 3 | 5 | 11 | 10 | 16 | 81 | 32 | 6 | 2 | -13 | -9 | -11 | -18 | -45 | 53 | 8 | -16 | 5 | 48 | 42 | 54 | 45 | 57 | 28 |
| 15 | 53 | 32 | 29 | 2 | 17 | 15 | 14 | 10 | 8 | -36 | -48 | -43 | -47 | -53 | -42 | -46 | -35 | 78 | 115 | 100 | 136 | 131 | 173 | 175 |
| 16 | 55 | 159 | 115 | 167 | 32 | 59 | 63 | -11 | -14 | -31 | -41 | -45 | -44 | -44 | -44 | -35 | 22 | 68 | 88 | 98 | 87 | 179 | 203 | 39 |
| 17 | 98 | 173 | 100 | 148 | 74 | 71 | 14 | -12 | -15 | -37 | -50 | -49 | -43 | -47 | -43 | -41 | -21 | 91 | 163 | 146 | 161 | 223 | 215 | 180 |
| 18 | 197 | 183 | 185 | 189 | 77 | 162 | 49 | 30 | -21 | -44 | -46 | -42 | -46 | -42 | -41 | -26 | 7 | 138 | 263 | 195 | 161 | 107 | 168 | 382 |
| 19 | 299 | 315 | 190 | 210 | 221 | 225 | 137 | 127 | 30 | 2 | -39 | -31 | -39 | -52 | -32 | 18 | 134 | 316 | 201 | 317 | 352 | 341 | 227 | 305 |
| 20 | 144 | 255 | 270 | 215 | 389 | 195 | 224 | 189 | 17 | 94 | -32 | -33 | -24 | -38 | -35 | -31 | 34 | 193 | 322 | 285 | 253 | 246 | 101 | 135 |
| 21 | 169 | 237 | 150 | 174 | 83 | 108 | 86 | 13 | -38 | -31 | -39 | -34 | -40 | -41 | -30 | -11 | 15 | 102 | 102 | 219 | 160 | 286 | 161 | 303 |
| 22 | 228 | 77 | 203 | 159 | 165 | 140 | 176 | 105 | -31 | -36 | -33 | -35 | -40 | -36 | -32 | -24 | -7 | 131 | 133 | 144 | 159 | 163 | 133 | 203 |
| 23 | 183 | 168 | 237 | 203 | 246 | 206 | 173 | 109 | -2 | 97 | -34 | -40 | -52 | -58 | -42 | -41 | -11 | 92 | 293 | 271 | 400 | 163 | 270 | 144 |
| 24 | 218 | 131 | 178 | 186 | 199 | 148 | 123 | 50 | -3 | -12 | -22 | -29 | -40 | -39 | -40 | -36 | -7 | 130 | 169 | 167 | 253 | 164 | 142 | 153 |
| 25 | 55 | 130 | 82 | 174 | 150 | 197 | 171 | 62 | -15 | -26 | -45 | -46 | -52 | -56 | -49 | -40 | 4 | 9 | 42 | 73 | 126 | 52 | 73 | 130 |
| 26 | 73 | 96 | 93 | 75 | 156 | 181 | 73 | 1 | -40 | -31 | -42 | -49 | -51 | -52 | -46 | -34 | 0 | 129 | 140 | 79 | 270 | 199 | 121 | 162 |
| 27 | 201 | 96 | 86 | 58 | 69 | 98 | 40 | 21 | -22 | -45 | -46 | -55 | -54 | -53 | -43 | -29 | 0 | 66 | 16 | 13 | 30 | 52 | 30 | 10 |
| 28 | 58 | 42 | 44 | 58 | 58 | 36 | 62 | -6 | -18 | -30 | -40 | -38 | -40 | -41 | -49 | -45 | -38 | -20 | -2 | -4 | -9 | -25 | -34 | -34 |

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

| 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 | -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

| 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 | 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) MAY, 1995

TEMPERATURE DIFFERENCE TIMES 100 DELT3

| 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 | 114 | 193 | 201 | 265 | 154 | 129 | 15 | -39 | -47 | -79 | -105 | -123 | -122 | -103 | -108 | -92 | -65 | -31 | -20 | -17 | -12 | -5 | -1 | 1 |
| 2 | 6 | 20 | 134 | 95 | 110 | 64 | -32 | -45 | -54 | -73 | -91 | -93 | -85 | -97 | -90 | -84 | -63 | -36 | 123 | 80 | 74 | 195 | 327 | 344 |
| 3 | 314 | 319 | 270 | 342 | 292 | 295 | 4 | -46 | -54 | -62 | -69 | -80 | -83 | -102 | -88 | -77 | -60 | -39 | 128 | 149 | 293 | 178 | 199 | 160 |
| 4 | 87 | 112 | 79 | 46 | 54 | 32 | -34 | -46 | -61 | -69 | -92 | -106 | -107 | -93 | -76 | -81 | -66 | -34 | 7 | 21 | 1 | 4 | -5 | 1 |
| 5 | 24 | 7 | -18 | -25 | -25 | -28 | -45 | -50 | -59 | -91 | -85 | -44 | -52 | -60 | -41 | -64 | -49 | -25 | -4 | 2 | 5 | 3 | 6 | -22 |
| 6 | -24 | -27 | -28 | -27 | -29 | -32 | -43 | -60 | -67 | -84 | -95 | -76 | -72 | -76 | -70 | -76 | -70 | -56 | -43 | -36 | -28 | -28 | -29 | -23 |
| 7 | -24 | -17 | -16 | -20 | -20 | -15 | -36 | -50 | -63 | -66 | -81 | -83 | -83 | -50 | -36 | -50 | -41 | -42 | 4 | -2 | 22 | 8 | 63 | 52 |
| 8 | 44 | 43 | 57 | 91 | 112 | 39 | -21 | -38 | -47 | -45 | -62 | -75 | -85 | -83 | -65 | -49 | -61 | -41 | 69 | 157 | 111 | 157 | 174 | 178 |
| 9 | 139 | 67 | 123 | 126 | 69 | 47 | -31 | -49 | -45 | -56 | -70 | -83 | -82 | -80 | -91 | -85 | -66 | -32 | 62 | 183 | 315 | 226 | 39 | 4 |
| 10 | 34 | 108 | 262 | 142 | 165 | 100 | -24 | -47 | -39 | -58 | -62 | -70 | -89 | -97 | -89 | -73 | -62 | -36 | 88 | 178 | 156 | 150 | 235 | 143 |
| 11 | 166 | 68 | 82 | 152 | 47 | 9 | -35 | -51 | -55 | -81 | -96 | -104 | -116 | -118 | -111 | -94 | -69 | -38 | 8 | 41 | 40 | 44 | 61 | 69 |
| 12 | 185 | 175 | 261 | 351 | 244 | 167 | -33 | -60 | -75 | -83 | -79 | -77 | -116 | -108 | -102 | -88 | -69 | -50 | -8 | 47 | 79 | 15 | 9 | 14 |
| 13 | 20 | 10 | -6 | 1 | 35 | 40 | -12 | -55 | -62 | -85 | -111 | -149 | -144 | -125 | -112 | -107 | -85 | -58 | -26 | -12 | -11 | -16 | -13 | 7 |
| 14 | 54 | 82 | 97 | 71 | 127 | 49 | -38 | -55 | -55 | -69 | -67 | -76 | -90 | -80 | -76 | -77 | -63 | -56 | -33 | 3 | 29 | -3 | 28 | -28 |
| 15 | -38 | -44 | -36 | -23 | -19 | -33 | -47 | -56 | -57 | -65 | -69 | -83 | -76 | -87 | -83 | -79 | -68 | -48 | -4 | 89 | 160 | 120 | 125 | 186 |
| 16 | 212 | 175 | 184 | 121 | 96 | 36 | -43 | -50 | -35 | -56 | -64 | -85 | -77 | -93 | -131 | -88 | -57 | -53 | -27 | 17 | 21 | 133 | 55 | 202 |
| 17 | 172 | 64 | 89 | 87 | 230 | 22 | -42 | -48 | -54 | -64 | -72 | -85 | -67 | -83 | -66 | -57 | -50 | -44 | 40 | 135 | 69 | 304 | 213 | 288 |
| 18 | 364 | 123 | 217 | 113 | 151 | 75 | -51 | -40 | -50 | -60 | -85 | -97 | -109 | -104 | -89 | -75 | -65 | -44 | 80 | 260 | 163 | 255 | 247 | 220 |
| 19 | 173 | 328 | 314 | 178 | 140 | 145 | -36 | -49 | -53 | -57 | -56 | -73 | -95 | -84 | -78 | -73 | -53 | -33 | 41 | 93 | 155 | 204 | 122 | 239 |
| 20 | 288 | 228 | 101 | 223 | 91 | 4 | -41 | -37 | -47 | -55 | -82 | -92 | -95 | -89 | -91 | -84 | -67 | -35 | 44 | 68 | 345 | 243 | 305 | 286 |
| 21 | 265 | 271 | 126 | 114 | 148 | 159 | -41 | -52 | -52 | -64 | -70 | -101 | -123 | -123 | -93 | -76 | -60 | -28 | 8 | 85 | 133 | 138 | 120 | 185 |
| 22 | 192 | 109 | 146 | 167 | 72 | 86 | -21 | -55 | -66 | -67 | -88 | -96 | -100 | -104 | -14 | 7 | -35 | -36 | -28 | -22 | -7 | 58 | 81 | 29 |
| 23 | 15 | 36 | 65 | 19 | -19 | -13 | -38 | -51 | -60 | -83 | -103 | -63 | 22 | -38 | -44 | -49 | -44 | -41 | -37 | -20 | -4 | 4 | -2 | -16 |
| 24 | -23 | -14 | 2 | 14 | 23 | 6 | -27 | -46 | -52 | -61 | -86 | -107 | -81 | **** | -5 | -39 | -60 | -45 | -11 | 1 | 1 | 2 | 4 | 14 |
| 25 | 9 | 7 | 32 | 63 | 32 | -23 | -39 | -48 | -52 | -54 | -44 | -42 | -55 | -44 | -48 | -41 | -23 | -2 | 2 | 9 | 11 | 6 | 51 | 53 |
| 26 | 46 | 33 | 90 | 235 | 201 | 125 | -22 | -40 | -47 | -58 | -68 | -68 | -74 | -73 | -89 | -84 | -64 | -35 | 23 | 137 | 234 | 227 | 150 | 187 |
| 27 | 220 | 199 | 168 | 188 | 60 | 34 | -29 | -35 | -44 | -44 | -34 | -59 | -68 | -65 | -54 | -52 | -52 | -39 | 15 | 74 | 112 | 130 | 154 | 73 |
| 28 | 137 | 90 | 44 | 118 | 67 | -7 | -29 | -47 | -48 | -60 | -82 | -82 | -78 | -99 | -91 | -85 | -86 | -53 | 6 | 34 | 69 | 158 | 201 | 131 |
| 29 | 167 | 221 | 165 | 84 | 271 | 150 | -17 | -41 | -54 | -70 | -79 | -92 | -78 | -98 | -87 | -64 | -58 | -52 | -15 | 43 | 159 | 100 | 49 | 58 |
| 30 | 70 | 66 | 78 | 102 | 87 | 13 | -41 | -46 | -48 | -52 | -74 | -85 | -77 | -78 | -77 | -79 | -67 | -47 | 45 | 185 | 208 | 259 | 170 | 165 |
| 31 | 27 | 149 | 178 | 67 | 44 | -1 | -37 | -49 | -52 | -65 | -65 | -88 | -99 | -82 | -91 | -85 | -64 | -33 | 36 | 132 | 109 | 160 | 89 | 238 |

PERCENT VALID HOURS FOR MAY, 1995 743*100/ 744= 99.9%

THREE HIGHEST VALUES FOR MAY, 1995 XXXX(DD,HH) = 364(18, 0) 351(12, 3) 345(20,20) (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 | 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 | 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) JULY, 1995

TEMPERATURE DIFFERENCE TIMES 100 DELT3

| 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 | 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

| 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 | 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)

SPILL TEST FACILITY TEMPERATURE DIFFERENCE, 2.0 M TO 16.0 M (DEG C) SEPT, 1995

TEMPERATURE DIFFERENCE TIMES 100 DELT3

| 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 | 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 | 233 | 289 | 168 | 219 | 171 | 95 | -35 | -54 | -58 | -84 | -112 | -109 | -116 | -100 | -72 | -32 | 64 | 188 | 83 | 152 | 224 | 377 | 350 |
| 21 | 218 | 69 | 41 | 37 | 33 | 24 | -4 | -44 | -76 | -97 | -114 | -105 | -111 | -98 | -84 | -73 | -54 | 82 | 214 | 238 | 363 | 262 | 241 | 316 |
| 22 | 215 | 93 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 23 | 101 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 24 | **** | 389 | 265 | 226 | 299 | 219 | 164 | 58 | 24 | 35 | 36 | 46 | 54 | 55 | 66 | 74 | 105 | 213 | 332 | 372 | 386 | 403 | 460 | 470 |
| 25 | 349 | 407 | 291 | 188 | 207 | 244 | 190 | 96 | 65 | 67 | 71 | 72 | 42 | 48 | 58 | 86 | 124 | 175 | 328 | 461 | 387 | 318 | 367 | 418 |
| 26 | 370 | 398 | 375 | 258 | 327 | 308 | 203 | 84 | 65 | 74 | 68 | 57 | 63 | 66 | 72 | 95 | 133 | 203 | 288 | 471 | 375 | 424 | 466 | 307 |
| 27 | 305 | 366 | 355 | 274 | 345 | 326 | 194 | 75 | 71 | 82 | 79 | 95 | 67 | 73 | 91 | 118 | 159 | 233 | 324 | 197 | 580 | 313 | 420 | 415 |
| 28 | 265 | 160 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 29 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 30 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

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 \ 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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) NOV, 1995

TEMPERATURE DIFFERENCE TIMES 100 DELT3

| 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 | 370 | 294 | 268 | 291 | 253 | 201 | 249 | 219 | 37 | 25 | 7 | 0 | 10 | 3 | 20 | 43 | 84 | 151 | 154 | 167 | 339 | 455 | 335 | 234 |
| 2 | 237 | 452 | 422 | 520 | 295 | 615 | 313 | 198 | 58 | 10 | 22 | 30 | 18 | 29 | 40 | 53 | 98 | 162 | 388 | 452 | 294 | 195 | 310 | 318 |
| 3 | 305 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 4 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 5 | **** | 298 | 355 | 336 | 302 | 235 | 215 | 131 | -11 | 1 | 10 | 4 | -1 | 22 | 31 | 70 | 176 | 244 | 331 | 703 | 391 | 332 | 415 | 339 |
| 6 | 408 | 211 | 363 | 330 | 343 | 378 | 237 | 110 | 22 | -1 | 10 | 8 | 1 | -3 | 18 | 45 | 149 | 174 | 330 | 495 | 324 | 301 | 230 | 492 |
| 7 | 343 | 300 | 248 | 297 | 246 | 275 | 271 | 83 | 17 | 9 | 4 | 26 | 25 | 33 | 31 | 71 | 235 | 313 | 289 | 391 | 406 | 383 | 421 | 386 |
| 8 | 279 | 403 | 320 | 387 | 248 | 257 | 171 | 171 | 15 | 3 | 14 | 9 | 19 | 13 | 30 | 63 | 206 | 454 | 403 | 348 | 433 | 334 | 260 | 283 |
| 9 | 267 | 301 | 209 | 192 | 287 | 301 | 237 | 178 | 45 | 16 | 9 | 14 | 4 | 3 | 20 | 54 | 117 | 164 | 195 | 361 | 285 | 311 | 365 | 395 |
| 10 | 289 | 332 | 355 | 302 | 265 | 316 | 279 | 148 | 62 | 22 | 10 | 4 | 7 | 9 | 24 | 63 | 114 | 181 | 236 | 409 | 433 | 387 | 344 | 372 |
| 11 | 291 | 203 | 338 | 287 | 268 | 244 | 343 | 97 | 25 | 3 | -4 | 8 | 11 | 14 | 20 | 57 | 199 | 336 | 393 | 310 | 257 | 442 | 342 | 268 |
| 12 | 391 | 283 | 363 | 361 | 217 | 285 | 223 | 65 | -10 | 0 | 4 | 9 | 1 | 4 | 27 | 72 | 210 | 278 | 553 | 434 | 277 | 290 | 311 | 277 |
| 13 | 375 | 389 | 259 | 223 | 300 | 292 | 264 | 124 | 12 | -5 | 10 | 8 | 9 | 15 | 40 | 118 | 216 | 258 | 114 | 106 | 334 | 448 | 395 | 405 |
| 14 | 345 | 545 | 340 | 265 | 529 | 488 | 288 | 360 | 182 | 4 | 0 | -3 | -1 | 6 | 15 | 38 | 233 | 339 | 230 | 447 | 443 | 427 | 204 | 389 |
| 15 | 452 | 365 | 539 | 391 | 317 | 348 | 274 | 268 | 146 | 23 | -6 | 0 | 9 | 9 | 17 | 72 | 163 | 445 | 325 | 269 | 367 | 289 | 317 | 388 |
| 16 | 244 | 248 | 225 | 199 | 420 | 189 | 212 | 54 | -11 | -4 | -7 | -12 | -24 | -3 | 13 | 65 | 225 | 407 | 246 | 378 | 433 | 387 | 247 | 375 |
| 17 | 263 | 330 | 271 | 257 | 395 | 263 | 349 | 117 | -4 | 1 | -4 | -8 | -7 | 1 | 9 | 55 | 206 | 314 | 197 | 171 | 308 | 434 | 299 | 289 |
| 18 | 282 | 319 | 324 | 330 | 288 | 378 | 189 | 121 | 31 | -22 | -28 | -23 | -31 | -21 | -15 | 65 | 140 | 265 | 258 | 400 | 421 | 263 | 347 | 249 |
| 19 | 200 | 242 | 365 | 232 | 322 | 259 | 299 | 132 | -13 | -15 | -21 | -14 | -5 | -7 | -6 | 87 | 234 | 371 | 196 | 282 | 273 | 385 | 286 | 277 |
| 20 | 326 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 21 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 22 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 23 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 24 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 25 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 26 | **** | 308 | 490 | 640 | 448 | 270 | 484 | 167 | 17 | -31 | -47 | -56 | -48 | -49 | -31 | -15 | 24 | 64 | 37 | 41 | 132 | 28 | 100 | 113 |
| 27 | 112 | 276 | 170 | 138 | 192 | 102 | 66 | 173 | 2 | -39 | -58 | -52 | -55 | -52 | -38 | -2 | 119 | 231 | 92 | 393 | 357 | 163 | 325 | 392 |
| 28 | 236 | 334 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 29 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 30 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

PERCENT VALID HOURS FOR NOV, 1995 458*100/ 720= 63.6%

THREE HIGHEST VALUES FOR NOV, 1995 XXXX(DD,HH) = 703( 5,19) 640(26, 3) 615( 2, 5) (FIRST OCCURRENCE IN MONTH)

SPILL TEST FACILITY TEMPERATURE DIFFERENCE, 2.0 M TO 16.0 M (DEG C) DEC, 1995

TEMPERATURE DIFFERENCE TIMES 100 DELT3

| 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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

| 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 | 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 | 5 | 4 |
| 25 | 4 | 4 | 5 | 4 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 2 | 2 | 4 | 6 | 4 | 4 | 4 | 6 | 5 | 6 |
| 26 | 6 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 4 | 6 | 6 |
| 27 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 4 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 5 | 6 | 4 | 5 | 6 | 5 | 6 |
| 28 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 6 | 5 | 6 | 5 | 6 |
| 29 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 3 | 4 | 6 | 6 | 4 | 6 | 6 | 5 | 6 |
| 30 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 4 | 6 | 4 | 2 | 3 | 2 | 3 | 1 | 1 | 2 | 6 | 4 | 5 | 6 | 6 | 6 | 6 |
| 31 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 5 | 6 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

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

| 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 | 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 YAHARTINO SIGMA THETA 8 M STABILITY CLASS MAR, 1995

LEAST SIGNIFICANT DIGIT = 1.000 STBSIG8

| 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 | 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

| 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 | 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

| 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 | 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 | 6 | 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 | 4 | 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

| 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 | 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 — JULY, 1995

LEAST SIGNIFICANT DIGIT = 1.000 — STBSIG8

| 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 | 5 | 6 | 6 | 6 | 6 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 6 | 6 |
| 2 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |
| 3 | 6 | 6 | 6 | 6 | 5 | 5 | 6 | 1 | 1 | 1 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 4 |
| 4 | 6 | 5 | 4 | 5 | 6 | 5 | 6 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 4 | 4 | 6 | 6 | 6 |
| 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 1 | 1 | 1 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 |
| 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 |
| 7 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 6 |
| 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 4 | 2 | 2 | 4 | 4 | 3 | 1 | 6 | 6 | 6 | 6 | 6 |
| 9 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 1 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 6 |
| 10 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 2 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 |
| 11 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 |
| 12 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 5 | 6 | 5 |
| 13 | 6 | 6 | 6 | 6 | 4 | 6 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 6 | 6 |
| 14 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 4 | 5 | 6 | 6 | 6 | 6 |
| 15 | 6 | 6 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 16 | **** | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 |
| 17 | 4 | 6 | 6 | 5 | 6 | 4 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 2 | 2 | 4 | 4 | 6 | 6 | 6 |
| 18 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 1 | 1 | 1 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 6 | 6 | 6 |
| 19 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |
| 20 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 6 | 6 |
| 21 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 1 | 3 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 6 | 6 | 4 | 6 | 4 |
| 22 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 5 | 5 | 6 | 6 | 4 |
| 23 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 4 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 2 | 3 | 4 | 5 | 6 | 6 | 6 | 4 |
| 24 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 | 6 |
| 25 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 | 6 |
| 26 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 | 6 |
| 27 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 2 | 1 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 |
| 28 | 5 | 6 | 6 | 6 | 5 | 6 | 6 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 6 | 6 | 6 | 6 |
| 29 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 1 | 1 | 1 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 6 | 6 |
| 30 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 6 | 6 | 6 | 4 | 4 |
| 31 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 4 | 4 | 6 | 6 | 6 | 6 |

PERCENT VALID HOURS FOR JULY, 1995 721*100/ 744= 96.9%

THREE HIGHEST VALUES FOR JULY, 1995 XXXX(DD,HH) = 6( 1, 1) 6( 1, 2) 6( 1, 3) (FIRST OCCURRENCE IN MONTH)

SPILL TEST FACILITY YAMARTINO SIGMA THETA 8 M STABILITY CLASS AUG, 1995

LEAST SIGNIFICANT DIGIT = 1.000 STBSIG8

| 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 | 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 YAHARTINO SIGMA THETA 8 M STABILITY CLASS — SEPT, 1995

LEAST SIGNIFICANT DIGIT = 1.000 — STBSIG8

| 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 | 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 OCT, 1995

LEAST SIGNIFICANT DIGIT = . 1.000 STBSIG8

| 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 2 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 6 | 6 | 5 | 5 | 6 | 6 | 6 |
| 3 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 2 | 1 | 1 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 5 | 4 | 4 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 5 | 4 | 5 |
| 5 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 4 | 4 | 6 | 4 | 6 | 6 | 6 |
| 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 4 | 5 | 6 | 4 | 6 | 6 | 6 | 6 |
| 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 6 | 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

| 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 | 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 DEC, 1995

LEAST SIGNIFICANT DIGIT = 1.000 STBSIG8

| 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 | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| 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 | 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 | 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 | 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 | 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 | 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 | 4 |
| 13 | 4 | 4 | 5 | 5 | 4 | 5 | 6 | 4 | 6 | 4 | 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 | 1 | 3 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 15 | 6 | 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 | 4 | 5 | 4 | 5 |
| 17 | 4 | 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 | 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 | 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 | 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 | 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 | 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 | 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)