2.3 METEOROLOGY

This section of the U.S. EPR FSAR is incorporated by reference with the following departures and supplements.

The U.S. EPR FSAR includes the following COL Item in Section 2.3.1:

> If a COL applicant that references the U.S. EPR design certification identifies site-specific meteorology values outside the range of the design parameters in Table 2.1-1, then the COL applicant will demonstrate the acceptability of the site-specific values in the appropriate sections of the Combined License application.

This COL Item is addressed as follows:

{The Nine Mile Point 3 Nuclear Power Plant (NMP3NPP) site-specific meteorology values have been reviewed and compared to determine if they are within the bounds of the assumed meteorology values for a U.S. EPR. This comparison is provided in Table 2.0-1. The NMP3NPP site-specific meteorology parameters are within the bounds of the conservative limiting meteorology values presented in Table 2.0-1.}

2.3.1 REGIONAL CLIMATOLOGY

No departures or supplements.

2.3.1.1 Basis for Meteorological Parameters

The U.S. EPR FSAR includes the following COL Item in Section 2.3.1.1:

> A COL applicant that references the U.S. EPR design certification will provide site-specific characteristics for regional climatology.

This COL Item is addressed as follows:

{The NMP3NPP site is located in north-central New York state on the southeastern shoreline of Lake Ontario. The site is in Oswego County, 32.8 mi (53 km) northwest of Syracuse and 6.2 mi (10 km) northeast of Oswego. For a considerable distance to the west, east and south of the site, the topography is characterized by gently rolling terrain. The terrain rises gradually from the shoreline of Lake Ontario until it meets the Tug Hill Plateau, over 25 mi (40 km) east of the site, and the Onondaga Hills, approximately 40 mi (65 km) south of the site. These major terrain features and, more importantly, Lake Ontario, have pronounced effects on the climate of the north-central New York region (NMP2, 1998).

The prevailing humid continental climate is representative of the northeastern United States region. The planetary atmospheric circulation results in frequent changes of air masses in the region during all seasons. Masses of cold dry air arriving from the northern interior of the continent alternate with warm moist air masses arriving from the south and southwest. These two air masses provide the dominant continental characteristics of the climate. The cold dry air masses dominate in the winter months, while the warm moist air masses prevail from late spring through early autumn.

A majority of the storm systems and their associated fronts moving eastward across the continent pass through or near the north-central New York state region. The region lies close to the normal storm track through the Saint Lawerence Valley and therefore is subject to frequent frontal passages and changes in weather, especially during the winter. Occasionally, storms

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moving northward along the Atlantic coast directly affect the region. These storm tracks and the influence of the Great Lakes produce the characteristically cloudy climate of the region from late autumn through spring.

The Nine Mile Point Nuclear Station (NMPNS) site is located in climate division NY-09 (Great Lakes), as designated by the U.S. National Climatic Data Center (NOAA, 2002), as are the stations at Oswego East, and Rochester, New York. A climate division represents a region within a state that is as climatically homogeneous as possible. The long term (1931-2000) annual average precipitation in the NY-09 climate division is 37 in (940 mm) per year (NOAA, 2002). The long term (1931-2000) annual average temperature in the NY-09 climate division is 47.0°F (8.3°C). The long term (1931-2000) average monthly temperatures for January and July in the NY-09 climate division are 23.4°F (-4.7°C) and 70.2°F (21.2°C), respectively (NOAA, 2002).

Local Climatic Effects

The influence of Lake Ontario on the weather is most apparent during two periods of the year. The first period is during the spring through late summer, when lake breezes occur in the immediate vicinity of the lake shore. The second period is during the late autumn and winter, when the presence of Lake Ontario frequenty induces locally heavy snowfalls. Throughout the entire year, the influence of Lake Ontario suppresses the temperature extremes near the lake shore compared to strictly continental locations (NMP2, 1998).

Areas bordering Lake Ontario tend to have higher minimum daily temperatures in the autumn and winter months and lower spring and summer maximum daily temperatures. The overall diurnal temperature ranges is suppressed during the year. These temperature modifications arise because Lake Ontario warms the air flowing inland during the colder months and cools the air during the warmer months.

Lake Ontario may either enhance or suppress precipitation in the region, depending on the season of the year. During the summer, especially during the daytime hours when the lake is cooler than the land, the lake cools the air flowing over it. This cooling of the lowest layer of the atmosphere has a stabilizing effect that suppresses convection. Since most summertime precipitation at these latitudes is associated with convective activity, regions in the immediate vicinity of Lake Ontario tend to receive less precipitation than inland areas.

During the colder months of the year, the opposite effect operates. The relatively warm lake surface releases latent heat and moisture, increasing the humidity of the colder air as it flows over the lake. The cold air heated from below by the lake becomes unstable and rises, condensing the moisture into clouds and snow. This process often creates heavy lake-effect snow squalls.

The shoreline areas of Lake Ontario expericence higher wind speeds than inland locations due to the fetch over the lake as well as the reduced surface roughness of the lake. This condition is especially noticeable in winter when winds generally blow off the lake.

During the spring through late summer, areas within several miles of Lake Ontario, under certain conditions, can experience lake breezes. A lake breeze occurs during the daytime hours when the sun heats the ground, which in turn warms the adjacent air until it is considerably warmer than the air over the relatively cool lake. This temperature difference results in the cooler air over the lake having higher atmospheric pressure, which causes it to move inland, displacing the less dense warm air. The number of hours in which a lake breeze occurs is highest near the shoreline and becomes less frequent as one progresses inland.}

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2.3.1.2 Meteorological Data for Evaluating the Ultimate Heat Sink

The U.S. EPR FSAR includes the following COL Item in Section 2.3.1.2:

> A COL applicant that references the U.S. EPR design certification will describe the means for providing UHS makeup sufficient to meet the maximum evaporative and drift water loss after 72 hours through the remainder of the 30 day period consistent with RG 1.27.

This COL Item is addressed as follows:

{This COL item is addressed in Section 2.3.1.2.2.13.

Sections 2.3.1.2.1 and 2.3.1.2.2 are added as a supplement to the U.S. EPR FSAR.

2.3.1.2.1 Regional Air Quality

Background

The Clean Air Act (PL, 1977) which was last amended in 1990, requires the U.S. Environmental Protection Agency (EPA) to set National Ambient Air Quality Standards (CFR , 2007a) for pollutants considered harmful to public health and the environment. The Clean Air Act established two types of national air quality standards. Primary standards set limits to protect public health, including the health of "sensitive" populations such as asthmatics, children, and the elderly. Secondary standards set limits to protect public welfare, including protection against decreased visibility, damage to animals, crops, vegetation, and buildings.

The EPA Office of Air Quality Planning and Standards (OAQPS) has set National Ambient Air Quality Standards for six principal pollutants, which are called "criteria" pollutants. Units of measure for the standards are parts per million (ppm) by volume, milligrams per cubic meter of air (mg/m^3), and micrograms per cubic meter of air ($\mu g/m^3$). Areas are either in attainment of the air quality standards or in nonattainment. Attainment means that the air quality is better than the standard.

Oswego County

Based on EPA data (EPA, 2008), Oswego County, New York, is in attainment for all the National Ambient Air Quality Standards (NAAQS). The NAAQS are presented in Table 2.3-1. Based on New York State Department of Environmental Conservation data, Region 7, in which the site is located, was in attainment in 2006 for sulfur dioxide, particulate matter (2.5 microns), carbon monoxide, and ozone (NYSDECAQD, 2008).

Oswego County is part of the Central New York Intrastate Air Quality Control Region (AQCR), as designated in (CFR, 2008a). The attainment status of the Central New York Intrastate AQCR with regard to national ambient air quality standards is listed as being better than national standards for sulphur dioxide and nitrogen dioxide, unclassifiable/attainment for carbon monoxide, ozone (1-hr), and particulate matter (2.5 microns), attainment for ozone (8-hr), and not designated for lead (CFR, 2008b).

Class 1 Federal Lands

Class 1 federal lands include areas such as national parks, national wilderness areas, and national monuments. These areas are granted special air quality protections under Section 162(a) of the federal Clean Air Act. 40 CFR Section 51.307 requires the operator of any new major stationary source or major modification located within 62 mi (100 km) of a Class I area to contact the Federal Land Managers for that area.

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The closest Class 1 Federal Land to NMPNS site is Lye Brook Wilderness, Green Mountain National Forest, Vermont. The distance from NMPNS site to Lye Brook is approximately 322 km (200 mi); therefore, no action is required.

2.3.1.2.2 Severe Weather Phenomena

2.3.1.2.2.1 Tornadoes and Waterspouts

Tornadoes occur infrequently in New York compared with areas such as the Great Plains, as can be seen in Figure 2.3-1 and Figure 2.3-2. New York averaged six tornadoes a year during the period from 1950-1995. New York averaged one strong tornado a year during the period from 1950-1995. Figure 2.3-1 and Figure 2.3-2 show the annual average number of tornadoes and strong-violent tornadoes respectively. No waterspouts were reported in Oswego County between January 1, 1950, and February 28, 2008.

In the period from January 1, 1950, through March 31, 2007, eight tornadoes were reported in Oswego County, New York (NOAA, 2008a). This corresponds to an annual average of about 0.15 tornadoes per year. The magnitude of the tornados ranged from F0 to F3, as designated by the National Weather Service. An F0 tornado has estimated wind speeds less than 73 mph (33 m/sec). An F1 tornado has estimated wind speeds between 73 and 112 mph (33 and 50 m/sec). An F2 tornado has estimated wind speeds between 113 and 157 mph (50 and 70 m/sec). An F3 tornado has estimated wind speeds between 158 and 206 mph (71 to 92 m/sec). The width of the paths of the 8 tornados in Oswego County were estimated to range from 20 to 250 yards (18 to 229 m).

Table 5-1 of NUREG/CR-4461, Revision 2, (NRC, 2007a) presents tornado strike probabilities for the contiguous United States and for the West, Central, and East regions of the country. The listed tornado strike probability for the East region, in which the NMPNS site is located, is 2.58×10^{-5}. This value takes into account finite building dimensions and the variation of tornado intensity along and across the tornado path.

2.3.1.2.2.2 Hurricanes and Tropical Storms

National Hurricane Center statistics (NOAA, 2008b) list 16 tropical storms and hurricanes that have passed within 100 miles (161 km) of Oswego, New York. Note that the Saffir-Simpson Hurricane Scale ranks hurricanes on a scale of 1-5 based on the intensity of the storm (NOAA, 2008c). In the eastern United States, hurricane season begins June 1st and ends November 30th.

Table 2.3-3 presents the year, month, day of occurrence of these 16 storms as well as information, if available, on wind speed and atmospheric pressure. Of these storms there was one category 1 hurricane that occurred in the month of October. In addition to the one hurricane and four tropical storms, there were two tropical depressions, and nine extratropical storms that passed within 100 miles (161 km) of Oswego, New York. The tropical storms occurred in August and September.

Table 2.3-4 shows the total and average number of tropical storms and hurricanes, by month, in the United States, for the period 1851-2004 (NOAA, 2005). Note that most tropical storms and hurricanes occur in September.

2.3.1.2.2.3 Thunderstorms

According to information provided by the Oklahoma Climatological Survey (OK, 1999) and presented in Figure 2.3-3, there are approximately 10 to 30 days per year during which

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thunderstorms occur in the vicinity of the NMP3NPP site. They occur in all months of the year, but the majority (75 to 80 percent) occurs in May through August. They occur less than once per month from November to February. Thunderstorms are most likely to occur during the afternoon and evening hours.

Table 2.3-5 presents the monthly mean number of days on which thunderstorms occurred at Rochester and Syracuse, New York, during the period from 1946-2006 (Syracuse) and 1948 through 2006 (Rochester) (NOAA, 2006a and NOAA, 2006b). The information is from certified data from the National Climatic Data Center for Rochester and Syracuse, which are the two National Weather Service primary stations closest to the NMPNS site.

2.3.1.2.2.4 Lightning

J. L. Marshall (Marshall, 1973) presented a methodology for estimating lightning strike frequencies which includes consideration of the attractive area of structures. The method consists of determining the number of lightning flashes to earth per year per square kilometer and then defining an area over which the structure can be expected to attract a lightning strike. There are four flashes to earth per year per square kilometer in the vicinity of the proposed NMP3NPP (NOAA, 2008d). Marshall defines the total attractive area, A, of a structure with length L, width W, and height H, for lightning flashes with a current magnitude of 50 percent of all lightning flashes as:

$$A = LW + 4H (L + W) + 12.57 H^2$$

The following building dimensions were used to estimate conservatively the attractive area of NMP3NPP (these values are much larger than the dimensions for the tallest building which measure approximately 58m X 58m X 60m; they are also larger than the approximate dimensions of the combined containment, the four safeguards buildings, the access building, the fuel building, and the nuclear auxilliary building):

$$L = 215 \text{ m}, W = 140\text{m}, H = 40\text{m}$$

The total attractive area is therefore equal to 0.11 square kilometers.

Consequently, the lightning strike frequency computed using Marshall's methodology for NMP3NPP is 0.44 flashes per year.

2.3.1.2.2.5 Droughts

No droughts are listed in the National Climatic Data Center's Storm Events database (NOAA, 2008e) for Oswego County, New York. One drought was listed for the adjacent counties of Cayuga and Onondaga, from September 1 through September 30, 1999. The following description of the drought event is from (NOAA, 2008e):

> A very dry spring and summer caused major crop failures and some wells to run dry. Many streams and rivers were also brought to their lowest recorded levels. The crops most affected were corn and hay, which dealt a major blow to dairy farmers. According to preliminary figures from the New York State Department of Agriculture and Markets, the worst drought damage was reported in Cayuga ($17.7 million), Steuben ($15.3 million) and Madison ($5.9 million) counties. September rains from the remnants of Hurricanes Dennis and Floyd helped to ease the summertime drought conditions although they came too late to help the vegetable and grain crops.

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2.3.1.2.2.6 High Winds

Table 2.3-6 presents occurrences of winds greater than 50 knots (58 mph or 26 m/sec) by storm type for Oswego County. These data were retrieved from the National Climatic Data Center's Storm Events database (NOAA, 2008f). There were 68 events that occurred during the period from July 24, 1975, through March 31, 2007. Wind speeds ranged from 50 to 70 knots (58 to 81 mph; 26 to 36 m/sec). The highest value occurred on February 27, 1997, and February 17, 2006.

There were five storm events listed in NOAA, 2008f where the wind speed was at least 75 mph (34 mps) and less than 124 mph (55 mps). These events occurred during the period from January 1, 1997 and August 31, 2007 and are listed in Table 2.3-7.

2.3.1.2.2.7 Hail

Table 2.3-8 presents occurrences of hail events reported in Oswego County. These data were retrieved from the National Climatic Data Center's Storm Events database (NOAA, 2008g). There were 22 events that occurred between July 1975 and March 2007. Hail stone diameters ranged from 0.75 to 1.75 inches (19.1 to 44.5 mm). The largest values occurred on September 11, 1978, June 16, 1983, August 6, 1984, June 24, 1992, August 24, 1993, July 25, 1996, and August 29, 2004.

2.3.1.2.2.8 Dust/Sand Storms

No dust or sand storms are listed in the National Climatic Data Center's Storm Events database (NOAA, 2008h) for Oswego County, New York

2.3.1.2.2.9 Ice Storms

Table 2.3-9 presents ice storm events which occurred in Oswego County, New York. These data were retrieved from the National Climatic Data Center's Storm Events database (NOAA, 2008i). There were 6 events that occurred between March 1997 and March 2007. Up to 1 inch (25.4 mm) of ice accumulated during the April 2003 event.

2.3.1.2.2.10 Snow Storms

Table 2.3-10 presents snow storm events which occurred in Oswego County, New York. These data were retrieved from the National Climatic Data Center's Storm Events database (NOAA, 2008j). There were 135 events that occurred between February 1993 and March 2007; of these 135 events, only one (on 01/03/1993) did not include snow fall. Snow amounts up to 36 in (914 mm) occurred along the Jefferson-Oswego county line during the December 22, 1999 event. Oswego County was declared a State Disaster Area during the March 4, 1999 event, which saw snow drifts up to 5 ft (1.5 m) in height in parts of Monroe and Wayne counties.

2.3.1.2.2.11 High Air Pollution Potential

It has been observed that major air pollution episodes are usually related to the presence of stagnating anticyclones. Such anticyclones may linger over an area four days or more. During such a period, surface wind speeds can fall to very low values. The near surface circulation is therefore insufficient to disperse accumulated pollutants. It was determined that less than 10 air stagnation days occur per year, on average for 1948-1998, in the vicinity of NMPNS site (NOAA, 1999). The maximum number of air stagnation days (averaged over the same period), around 80 per year, occurs near the border of California, Arizona, and Mexico. Most air stagnation events happen in an extended summer season from May to October as a result of weaker pressure and temperature gradients and the concommitant weaker wind circulations.

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Information presented by Holzworth (EPA, 1972) from a study which derived climatological statistics on morning and afternoon mixing heights and associated vertically averaged wind speeds, indicates that the mean annual morning mixing height depth over NMPNS site is approximately 650 m (2133 ft) and that the mean afternoon mixing height depth over NMP3NPP site is approximately 1300 m (4265 ft). The mean annual wind speed through the morning mixing layer was found to be approximately 6.0 m/sec (13.4 mph) and the mean annual wind speed through the afternoon mixing layer was found to be approximately 8.0 m/sec (17.9 mph).

2.3.1.2.2.12 Snow/Ice Load on Roofs of Safety Related Structures

The NRC Branch Position for Winter Precipitation Loads establishes an acceptable method to develop a winter precipitation load for the design of nuclear power plants. The prescribed loads to be included in the combination of normal live loads are based on the weight of the 100-year snow pack or snowfall, whichever is greater, recorded at ground level. Winter precipitation loads to be included in the combination of extreme live loads is based on the addition of the weight of the 100-year snow pack at ground level plus the weight of the 48-hour Probable Maximum Winter Precipitation (PMWP) at ground level for the month corresponding to the selected snow pack. Snow pack and snowfall are adjusted for density differences and ground level values are adjusted to represent appropriate weights on roofs. Values are expressed in the units used in the methodology.

As indicated in the 1975 NRC Branch Position for Winter Precipitation Loads, it is acceptable to determine the 100-year snow pack and snowfall utilizing information in American National Standards Institute (ANSI) A58.1 (1972) with an adjustment of 30 years or more of regional data and maximization of water content for snow depth. Based on more recent ANSI information issued 33 years since ANSI A58.1 (NOAA, 2006a), the 50-year mean recurrence ground snow load in the NMPNS region is 40 pounds per square foot (psf). The ANSI importance factor can be used to adjust the 50-year recurrence ground snow load to a 100-year recurrence. Using an importance factor of 1.2, the 100-year mean recurrence ground snow load is 48 psf.

The 48-hour PMWP can be determined from Hydrometeoroligical Report (HMR) Number 53 by plotting (using a smooth curve) the probable maximum 6-hour, 24-hour, and 72-hour precipitation during the winter months of December through February. The probable maximum 6-hour, 24-hour, and 72-hour precipitation values are summarized in Table 2.3-11. The 10-square mile (mi^2), 48-hour PMWP is selected for the site from the plot using the December data since it is more conservative. Using Figure 2.3-104, the 48-hour PMWP value is approximately 11.8 inches.

Average total percipitation for December is 2.90 inches (73.66 mm) (Reference 5.1-2) at NMP3NPP. Considering that Reference 5.1-2 indicates that hourly temperature values measured at NMP3NPP during the five-year period from 2001-2005 were below 32°F about 21% of the time, most of this PMWP would occur as rain. In order to define the overall ground snow load, it was assumed conservatively that 75% of the PMWP combines with the 100-year mean recurrence ground snow load of 48 psf. Therefore, the PMWP component is (where 62.4 is the density of water):

PMWP Load = $[(11.8 \text{ inches})(62.4 \text{ lb/ft}^3)/(12 \text{ inches})](0.75) = 46$ psf

Combining with the 100-year mean recurrence ground snow load yields an overall design ground snow load of 94 psf for use in the design of roofs. This site-specific overall design ground snow load is bounded by the U.S. EPR design value.

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2.3.1.2.2.13 Conditions for Maximum Evaporation and Potential Water Freezing in the Ultimate Heat Sink

In accordance with Regulatory Guide 1.27 (NRC, 1976), the meteorological conditions resulting in maximum evaporation and drift loss should be the worst 30-day average combination of controlling parameters (wet bulb and dry bulb temperatures). Monthly design wet bulb and mean coincident dry bulb temperature values were determined by the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE) using 30 years (1972-2001) of meteorological data from Rochester, New York (ASHRAE, 2005). The highest monthly design wet bulb and mean coincident dry bulb temperature values reported were for the month of July. The 0.4% design values (the values that would be exceeded 0.4% of the time in the month of July or roughly 3 hours out of 744) are 78.4°F (25.8°C) and 87.8°F (31.0°C) for the wet and coincident dry bulb temperature values, respectively. The 1.0% design values are 71.3°F (21.8°C) and 85.6°F(29°8) for the wet and coincident dry bulb temperatures, respectively.

The National Climatic Data Center identifies both the NMPNS site and Rochester as being within the same climatic division. A climate division represents a region within a state that is as climatically homogeneous as possible. As such, it is deemed acceptable to use Rochester high temperature statistics to characterize the NMP3NPP site.

Since a closed loop hybrid mechanical draft cooling tower will act as the heat sink for NMP3NPP, another meteorological condition to consider is the maximum one-hour dry bulb temperature. The maximum one-hour dry bulb temperature determined for Rochester is 100°F (37.8°C) (NOAA, 2006b). This value was determined over a 66-year period of record.

The meteorological conditions resulting in minimum cooling due to evaporation of water should be periods of high wet bulb temperature values. Using 30 years (1972-2001) of meteorological data from Rochester, New York, the annual average wet bulb temperature that is exceeded only 0.4% of the time per year is 75.7°F (24.3°C) (ASHRAE, 2005).

The meteorological conditions resulting in the potential for water freezing in the ultimate heat sink water storage facility should be low dry bulb temperature values and associated wind speeds. Using 30 years (1972-2001) of meteorological data from Rochester, New York, the coldest month wind speed and coincident dry bulb temperature that are exceeded only 0.4% of the time per year are 31.6 mph (14.1 mps) and 21.6°F (-5.8°C) (ASHRAE, 2005). The coldest month wind speed and coincident dry bulb temperature that are exceeded only 1% of the time per year are 28.1 mi/hr (12.6m/sec) and 22.3°F (-5.4°C).

According to information from ASHRAE (ASME, 2007), the 100-year return period values of maximum and minimum dry bulb temperature are 101.9°F (38.8°C) and -25.5°F (-31.9°C), respectively. Since ASHRAE did not provide a wet bulb temperature value coincident with the extreme annual dry bulb temperature value, the wet bulb temperature value coincident with the maximum dry bulb temperature value was used with the standard deviation value provided with the extreme annual dry bulb temperature value and an equation provided by ASHRAE to compute the 100-year return period coincident wet bulb temperature value. The 100-year return period value of maximum wet bulb temperature coincident with the 100-year return period value of maximum dry bulb temperature is 82.6°F (28.1°C).

Similarly, ASHRAE did not provide a 100-year return period wet bulb temperature value (non-coincident). Therefore, the extreme maximum wet bulb temperature was used with the standard deviation value provided with the extreme annual dry bulb temperature value and an equation provided by ASHRAE to compute the value. The 100-year return period value of maximum wet bulb temperature (non-coincident) is 91.5°F (33.1°C).

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The UHS makeup water system consists of four independent safety-related trains which provide makeup water from Lake Ontario to the ESW System to meet the maximum evaporative and drift water losses for the period from 72 hours post-accident up to 30 days post-accident. The maximum drift loss (percent of water flow) for a single cooling tower will not exceed 0.005% as described in U.S. EPR FSAR Table 9.2.5-2. Figure 9.2-3 provides the interface between the ESW and the UHS makeup water system. U.S. EPR FSAR Section 9.2 provides a detailed discussion of the ESW system, including a simplified flow arrangement for the ESW system.

Section 9.2.5.1 provides the design bases for the UHS Makeup Water System; Sections 9.2.5.2 and 9.2.5.3 provide a general description of the system and its components; and Section 9.2.5.1 provides the safety evaluation for the system.

The U.S. EPR UHS cooling tower design contains a minimum 72 hour supply of ESW water such that no makeup to the cooling tower basin is required to ensure acceptable operation (e.g., ESW pump net positive suction head (NPSH) requirements) under DBA heat load for that period. As Regulatory Guide 1.27 requires analyses of cooling water supply, an evaluation of the U.S. EPR UHS cooling tower design under the worst case meteorological conditions was performed to ensure that, under conditions of maximum evaporation and drift losses, the U.S. EPR UHS design maintained acceptable operation.

The U.S. EPR design worst case meteorological conditions for maximum evaporation and drift losses are listed in U.S. EPR FSAR Table 2.1-3. The critical parameter for determining the maximum evaporation from the cooling tower is a combination of the dry and wet bulb temperatures. Specifically, the higher difference between the dry and wet bulb temperatures indicate lower relative humidity and the capacity of the ambient air to absorb moisture. In addition, the maximum dry bulb temperature affects the overall evaporation. To ensure that the U.S. EPR design is acceptable for siting at the NMP3NPP location, the worst case site meteorological conditions for maximum evaporation and drift loss are compared with the design values presented in U.S. EPR FSAR Table 2.1-3. For the comparison, four time periods over the 30 year evaluation timeframe were selected based on the maximum dry bulb temperature and lowest relative humidity (dry bulb/wet bulb temperature difference).

As shown in Figure 2.3-105, all the NMP3NPP site worst case (maximum) dry bulb temperatures are below the U.S. EPR design dry bulb temperature. In addition, with the exception of a few of the temperature difference peaks, all four of the NMP3NPP worst case site temperature difference profiles are below the U.S. EPR design values over the 72 hour evaluation window. While some of the 72 hour temperature difference profiles slightly exceed the peak design values, the overall integrated wet bulb/dry dry bulb temperature difference is bounded by the U.S. EPR design profile. Therefore, accounting for the clear bounding nature of the maximum design dry bulb temperature profile and the bounding nature of the differential temperature profile of the four worst case NMP3NPP site conditions, the NMP3NPP site conditions are bounded by the U.S. EPR design with respect to the ambient conditions for maximum evaporation and drift losses.

With the design basis accident (DBA) heat loading and a specific cooling tower design, the ability to maintain the basin temperature (and thus the ESW supply temperature) below the U.S. EPR design requirement of 95°F following a postulated DBA is primarily dependant upon the ambient temperature wet bulb conditions. As stated above, the U.S. EPR UHS design has been demonstrated acceptable under the worst case ambient wet bulb temperature conditions defined in Table 2.1-4 of the U.S. EPR FSAR. These wet bulb temperature conditions over a 24 hour period were evaluated against a U.S. EPR specific, time-dependent worst case

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DBA heat load and demonstrated acceptable. The NMPNS site temperature data over a 30 year period were evaluated to determine the highest wet bulb temperature value that can occur for consecutive hours (two or more) and can only be exceeded one hour at a time (i. e., no consecutive hourly temperature values can exceed it). This is defined as the 0% exceedance temperature and is a bounding wet bulb temperature condition. Two specific days over the 30 year evaluation period yield the maximum hourly wet bulb temperatures. Twenty hour periods around the maximum wet bulb temperature conditions were compared against the design values listed in the U.S. EPR FSAR. As shown in Figure 2.3-106, this comparison demonstrates that although the 0% non-coincident wet bulb temperature exceeds the value in the U.S. EPR (See Table 2.0-1), the worst case NMP3NPP site wet bulb conditions over the 30 year evaluation period are bounded by the U.S. EPR design conditions.

Observed Lake Ontario water temperatures at NMPNS from 1988 to 2007 show a maximum monthly average temperature of 79ºF (26.1ºC) at NMP Unit 1 Intake and 80ºF (26.7ºC) at NMP Unit 2 Intake in August 2005. The minimum monthly average water temperature was 31ºF (-0.6ºC) recorded in January 1989. This review indicates the maximum expected temperature of the water in Lake Ontario to be less than the maximum allowable ESW inlet temperature of 95° F as described in U.S. EPR FSAR Section 9.2.1. Therefore, UHS makeup water flow to the cooling tower will not increase the cooling tower basin water temperature beyond 95° F, and therefore, will not adversely impact ESW system safety function.

2.3.1.2.2.14 Tornado Parameters

Using the methodology and values in Table 1 from Regulatory Guide 1.76 (NRC, 2007b), the design-basis tornado characteristics for NMP3NPP are presented in Table 2.3-12. The maximum tornado wind speed is 230 mph (103 mps), the pressure drop is 1.2 psi (83 mb), and the rate of pressure drop is 0.5 psi/s (37 mb/s).

2.3.1.2.2.15 100 Year Return Period 3 Second Wind Gust

In accordance with ASCE 7-05 (ASCE, 2006), the basic wind speed to be used in determination of design wind loads on buildings and other structures is given in Figure 6-1 of that document. This value for the NMP3NPP site is 90 mph (40 mps). Note that this value is the three-second wind gust for a 50-year return period. Using the appropriate conversion factor from Table C6-7 of ASCE 7-05, the 100-year return period three-second wind gust value is 90 mph X 1.07 = 96.3 mph (43.0 mps).

2.3.1.2.2.16 Temperature and Humidity for Heating, Ventilation and Air Conditioning

Table 2.3-13 through Table 2.3-18 present data for Rochester, New York. The National Climatic Data Center identifies both the NMPNS site and Rochester as being within the same climatic division. A climate division represents a region within a state that is a climatically homogeneous as possible. As such, it is deemed acceptable to use Rochester temperature and humidity statistics to characterize the NMPNS site. Values are expressed in the units provided by ASHRAE. The following abbreviations are used in the tables:

DB	Dry bulb temperature, °F
WS	Wind speed, mph
MCDB	Mean coincident dry bulb temperature, °F
MCWS	Mean coincident wind speed, mph
StdP	Standard pressure at station elevation, psi
DP	Dew point temperature, °F
Enth	Enthalpy, Btu/lb
MCDP	Mean coincident dew point temperature, °F

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PCWD	Prevailing coincident wind direction, °, 0 = North, 90 = East
WB	Wet bulb temperature, °F
HR	Humidity ratio, grains of moisture per lb of dry air
MCWB	Mean coincident wet bulb temperature, °F

The 1% exceedance dry bulb temperature value and coincident wet bulb temperature value, 85.6°F (29.8°C) and 71.3°F (21.8°C), and the 1% exceedance non-coincident wet bulb temperature value, 73.8°F (23.2°C), are presented in Table 2.3-14. The 1% temperature value in Table 2.3-13 for the coldest month WS/MCDB is the minimum 1% exceedance dry-bulb temperature value. This value is 22.3°F (-5.4°C).

The 0% exceedance dry bulb temperature value and the coincident wet bulb temperature value, 97.6°F (36.4°C) and 74.9°F (23.8°C), and the zero percent exceedance non-coincident wet bulb temperature value, 82.3°F (27.9°C), are presented in Table 2.3-19. The minimum 0% exceedance dry bulb temperature value, -18.0°F (-27.8°C), is presented in Table 2.3-20. These values were determined using 30 years of hourly meteorological data recorded by the National Weather Service at Rochester, New York.

The site-specific 1% exceedance dry bulb and wet bulb temperature values presented in Table 2.3-13 and Table 2.3-14 are bounded by the values presented in Table 2.2-1 of the U.S. EPR Final Safety Analysis Report. The site-specific 0% exceedance dry bulb and wet bulb temperature values presented in Table 2.3-19 and Table 2.3-20 are bounded by the values presented in Table 2.1-1 of the U.S. EPR Final Safety Analysis Report except for the 0% exceedance non-coincident wet bulb temperature value.

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2.3.2 LOCAL METEOROLOGY

The U.S. EPR FSAR includes the following COL Item in Section 2.3.2:

> A COL applicant that references the U.S. EPR design certification will provide site-specific characteristics for local meteorology.

This COL Item is addressed as follows:

{Section 2.3.2.1 through Section 2.3.2.4 are added as a supplement to the U.S. EPR FSAR.

Subsections 2.3.2.1 through 2.3.2.3 present local summaries of meteorological data based on on-site measurements made in accordance with Regulatory Guide 1.23 and National Weather Service station summaries from appropriate nearby locations.

On-site meteorological data compiled for Nine Mile Point (NMP) Unit 1 and Unit 2 were used in this analysis. These data are from the existing NMP Unit 1 and Unit 2 on-site meteorological monitoring program which was designed, and has been operated, according to Regulatory Guide 1.23, Revision 0 (NRC, 1972.). The data recovery goal of 90% was met for each of the five years of data (2001 - 2005) used for meteorological statistics other than the joint frequency distribution tables used to determine atmospheric dispersion and deposition factors. The data recovery goal of 90% was met for each of the seven years of data (2001 - 2007) used for joint frequency distribution tables used to determine atmospheric dispersion and deposition factors.

A review of the differences between Regulatory Guide 1.23, Revision 0, and Regulatory Guide 1.23, Revision 1 (NRC, 2007), concluded that the guidance provided in the two versions of the document are sufficiently similar, and that there is no adverse impact from using the on-site meteorological data monitored for NMP Unit 1 and Unit 2 in analyses for NMP3NPP. The on-site meteorological monitoring program is described in Section 2.3.3.

Local meteorological values used for design and operating bases are bounded by those in the U.S. EPR design certification.

2.3.2.1 Normal and Extreme Values of Meteorological Parameters

Monthly and annual summaries of meteorological data are provided in subsections 2.3.2.1.1 through 2.3.2.1.6.

2.3.2.1.1 Wind Speed and Direction

Table 2.3-21 through Table 2.3-23 present annual joint frequency distributions (JFD's) of wind speed and direction as a function of atmospheric stability derived from the 2001-2007 data from the NMPNS on-site meteorological monitoring program. The hourly data used to calculate these tables were used to determine the atmospheric dispersion and deposition factors presented in Section 2.3.4 and Section 2.3.5.

Table 2.3-24 through Table 2.3-26 present annual JFD's of wind speed and direction as a function of atmospheric stability. Table 2.3-27 through Table 2.3-38 present seasonal JFD's of wind speed and direction as a function of atmospheric stability. Table 2.3-39 through Table 2.3-74 present monthly JFD's of wind speed and direction as a function of atmospheric stability. These tables were developed using five years of on-site meteorological data (2001-2005) following the guidance in Regulatory Guide 1.23 (NRC, 2007).

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Assumptions used to determine these JFD's are:

- Maximum wind speed allowable as good data was assumed to be 90 MPH.
- Maximum allowable delta temperature value was assumed to be 18°F.
- Maximum allowable wind direction value was assumed to be 540 degrees.

Input (other than the hourly meteorological data) used to determine these JFD's is provided in Table 2.3-75.

Figure 2.3-5 through Figure 2.3-7 present annual wind rose plots of the NMP3NPP 2001-2005 meteorological data for the 30 ft (9 m), 100 ft (30 m), and 200 ft (61 m) elevations using the wind speed classes utilized for the JFD tables. Figure 2.3-8 through Figure 2.3-19 present seasonal wind rose plots of the NMP3NPP 2001-2005 meteorological data for the 30 ft (9 m), 100 ft (30 m), and 200 ft (61 m) elevations using the wind speed classes utilized for the JFD tables. Figure 2.3-20 through Figure 2.3-55 present monthly wind rose plots of the NMP3NPP 2001-2005 meteorological data for the 30 ft (9 m), 100 ft (30 m), and 200 ft (61 m) elevations using the wind speed classes utilized for the JFD tables.

Figure 2.3-56 and Figure 2.3-57 present multi-year average annual wind rose plots for National Weather Service (NWS) stations around the NMP3NPP site (Rochester and Syracuse, New York). Meteorological data used to create the plots were received from the U.S. Environmental Protection Agency Support Center for Regulatory Air Models and were measured at approximately 33 ft (10 m) above ground level. For Rochester and Syracuse, New York, the meteorological data is for the years 1984 through 1992.

The annual prevailing wind direction (the direction from which the wind blows most often) at the NMP3NPP site at the 30 ft (9 m) level is from the southeast, approximately 11% of the time (Table 2.3-24). Winds from the east-southeast through south-southeast sectors occur approximately 28% of the time. Conversely, winds from the west-southwest through west-northwest sectors occur approximately 26% of the time. The annual prevailing wind direction at the NMPNS site at the 100 ft (30 m) level is from the west-southwest, approximately 12% of the time (Table 2.3-25). Winds from the southwest through west sectors occur approximately 26% of the time. Conversely, winds from the northeast through east sectors occur approximately 9% of the time. The annual prevailing wind direction at the NMP3NPP site at the 200 ft (61 m) level is from the west-southwest, approximately 12% of the time (Table 2.3-26). Winds from the southwest through west sectors occur approximately 28% of the time. Conversely, winds from the northeast through east sectors occur approximately 8% of the time. As is normally the case, there are more observations of calm winds at the lower level than at the highest level (0.02% versus 0.01%); however, this is not as pronounced at the NMP3NPP site. At all three levels, winds occur most infrequently from the east-northeast (approximately 2% of the time).

The annual prevailing wind direction at Rochester, New York, is from the west-southwest, approximately 14% of the time (Figure 2.3-56). At Syracuse, New York, the annual prevailing wind direction is from the west, approximately 11% of the time (Figure 2.3-57).

During the winter months (December through February), the prevailing wind direction at all levels at the NMP3NPP site is from the southeast, approximately 11% (Table 2.3-27, Table 2.3-31, Table 2.3-35). Winds from the west-northwest are the next most dominant, occurring approximately 10% of the time. During the spring months (March through May), the

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prevailing wind direction at all levels is from the west-southwest, approximately 15% of the time (Table 2.3-28, Table 2.3-32, Table 2.3-36).

During the summer months (June through August) at the NMP3NPP site, the prevailing wind direction at all levels is from the west-southwest, approximately 17% of the time (Table 2.3-29, Table 2.3-33, Table 2.3-37). During the autumn months (September through November), the prevailing wind direction at the 30 ft (9 m) and 100 ft (30 m) levels is from the southeast, approximately 12% of the time (Table 2.3-30, Table 2.3-34). At the 200 ft (61 m) level, the prevailing wind directions are from the south-southeast and from the southeast, approximately 11% of the time for both individually (Table 2.3-38).

The most prevalent wind speed class at the NMP3NPP site on an annual basis for the 30 ft (9 m) level is the 2.1-3.0 mps (4.7-6.7 mph) class, which occurs approximately 25% of the time (Table 2.3-24). The most prevalent wind speed class on an annual basis for the 100 ft (30 m) level is the 4.1-5.0 mps (9.2-11.2 mph) class, which occurs approximately 18% of the time (Table 2.3-25). The most prevalent wind speed class on an annual basis for the 200 ft (61 m) level is the 6.1-8.0 mps (13.6-17.9 mph) class, which occurs approximately 24% of the time (Table 2.3-26). Note that there are more observations of calm winds at the two NWS sites than at the NMP3NPP site. This may be due to:

- NMP3NPP site is located directly on the shoreline of Lake Ontario. Of the two NWS stations, Greater Rochester International Airport is 7.4 miles inland and Syracuse Hancock International Airport is approximately 37 miles from Lake Ontario. The sea/land breeze phenomenon is stronger at the coast line than further inland.

- The use of different wind measurement instruments due to the different needs at the sites. The NWS sites are at airports, where high wind speeds are more important than low wind speeds since they have a greater impact on aviation. At the NMP3NPP site, wind measurements are made to determine atmospheric dispersion to aid in dose assessment; therefore, low wind speeds are more important since they will lead to less dispersion and higher dose.

The average wind speed at Rochester, New York, is 3.96 mps (8.9 mph) and there have been observations of wind speeds greater than 11 mps (25 MPH) (Figure 2.3-56). At Syracuse, New York, the average wind speed is 3.78 (8.5 mph) and there have been observations of wind speeds greater than 11 mps (25 MPH) (Figure 2.3-57).

On a seasonal basis, the most prevalent wind speed class for the 30 ft (9 m) level is the 2.1-3.0 mps (4.7-6.7 mph) class, which occurs approximately 19% of the time during the winter months (December through February) (Table 2.3-27), 22% of the time during the spring months (March through May) (Table 2.3-28), 33% during the summer months (June through August) (Table 2.3-29), and 27% during the autumn months (September through November) (Table 2.3-30). At the 100 ft (30 m) level, the most prevalent wind speed class in winter, summer, and autumn is the 4.1-5.0 mps (9.2-11.2 mph) class, which occurs approximately 15% during the winter months (December through February) (Table 2.3-31), 21% during the summer months (June through August) (Table 2.3-33), and 20% during the autumn months (September through November) (Table 2.3-34). During the spring months (March through May), the most prevalent wind speed class at the 100 ft (30 m) level is the 6.1-8.0 mps (13.6-17.9 mph) class which occurs approximately 16% of the time (Table 2.3-32). At the 200 ft (61 m) level, the most prevalent wind speed class is the 6.1-8.0 mps (13.6-17.9 mph) class, which occurs approximately 24% during the winter months (December through February) (Table 2.3-35), 22% during the spring months (March through May) (Table 2.3-36), 24% during

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the summer months (June through August) (Table 2.3-37), and 27% during the autumn months (September through November) (Table 2.3-38).

The maximum hourly wind speed measured at the 30 ft (9 m) level is 21.0 mps (46.9 mph). The maximum hourly wind speed measured at the 100 ft (30 m) level is 25.2 mps (56.4 mph). The maximum hourly wind speed measured at the 200 ft (61 m) level is 28.2 mps (63.0 mph).

Table 2.3-76 through Table 2.3-93 present annual and overall wind direction persistence summaries for the 30 ft (9 m), 100 ft (30 m), and 200 ft (61 m) measurement levels at the NMP3NPP site. These tables were developed using five years of on-site meteorological data (2001-2005). Table 2.3-81, Table 2.3-87, and Table 2.3-93 present an average of the five individual year summaries for the 30 ft (9 m), 100 ft (30 m), and 200 ft (61 m) measurement levels respectively.

The majority of the time, approximately 88%, wind direction persistence events last for less than four hours at all measurement levels (Table 2.3-81, Table 2.3-87, Table 2.3-93). Wind direction persistence events lasting 12 hours occur 12, 11, and 11 times per year on the average for the 30 ft (9 m), 100 ft (30 m), and 200 ft (61 m) levels, respectively. Wind direction persistence events lasting greater than 24 hours occur twice per year on the average for the 30 ft (9 m) level and thrice per year on the 100 ft (30 m) and 200 ft (61 m) levels.

2.3.2.1.2 Temperature and Humidity

Daily average and extreme temperature and dew point temperature summaries from the NMP3NPP on-site meteorological monitoring program are presented in Table 2.3-94 through Table 2.3-95 for the period from January 2001 through December 2005. Monthly and annual temperature summaries from the NMP3NPP on-site meteorological monitoring program are presented in Table 2.3-96 through Table 2.3-104 for the period from January 2001 through December 2005. Monthly mean relative humidity summary from the NMP3NPP on-site meteorological monitoring program is presented in Table 2.3-105 for the period from January 2001 through December 2005.

The monthly mean temperature at the NMP3NPP site ranges from 24.3°F (-4.3°C) in January to 70.6°F (21.4°C) in August (Table 2.3-96). The monthly mean extreme maximum temperature (defined as the highest of the maximum values for each month over the period 2001-2005) at the NMP3NPP site was 72.9°F (22.7°C) in July (Table 2.3-97) and the monthly mean extreme minimum temperature (defined as the lowest of the minimum values for each month over the period 2001-2005) was 17.4°F (-8.1°C) in January (Table 2.3-98). The monthly mean daily maximum temperature (defined as the highest of the daily maximum values for each month over the period 2001-2005) at the NMP3NPP site was 75.9°F (24.4°C) in August (Table 2.3-99) and the monthly mean daily minimum temperature (defined as the lowest of the daily minimum values for each month over the period 2001-2005) was 18.6°F (-7.4°C) in January (Table 2.3-100). The maximum hourly temperature at the NMP3NPP site was 92.4°F (33.6°C) in August (Table 2.3-101) and the minimum hourly temperature was -12.8°F (-24.9°C) in January (Table 2.3-102). The frequency of occurrence of hourly temperature values falling below the freezing point (32°F or 0°C) is approximately 21% (Table 2.3-104). The frequency of occurrence of hourly temperature values falling below 0°F (-17.8°C) is less than 0.5% (Table 2.3-104).

Temperature and humidity statistics from National Weather Service (NWS) sites around the NMP3NPP site are presented in Table 2.3-106 through Table 2.3-110. Dry bulb temperature values are from the 30 year period from 1971-2000. Wet bulb temperature values are from the 23 year period from 1978-2000.

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The monthly mean temperatures measured at the NMP3NPP site show the impact of Lake Ontario, i.e., the mean monthly temperatures measured at the NMP3NPP site are slightly lower than the values at the NWS stations in the summer months and are slightly higher than the values at the NWS stations in the autumn and winter months.

Table 2.3-111 through Table 2.3-116 present temperature and atmospheric moisture design conditions, including the monthly design dry bulb temperature and the mean coincident wet bulb temperature, and the monthly design wet bulb temperature and the mean coincident dry bulb temperature, for Rochester, New York. These wet bulb temperature values correspond to 0.4%, 1.0%, and 2.0% cumulative frequency of occurrence for the indicated month. The data were determined from the American Society of Heating, Refrigeration, and Air-Conditioning Engineers Weather Data Viewer (ASHRAE, 2005). Data for Rochester, New York, are from the period 1972-2001.

2.3.2.1.3 Precipitation and Fog

The monthly and annual precipitation summary from the NMP3NPP on-site meteorological monitoring program is presented in Table 2.3-117 through Table 2.3-120 for the period 2001-2005 . Precipitation statistics from NWS sites around the NMP3NPP site are presented in Table 2.3-121 through Table 2.3-123 for the period from 1971-2000. Monthly and annual summaries of heavy fog (visibility less than ¼ mi) are presented in Table 2.3-124 for sites around NMPNS for the period from 1964-2006 .

Monthly average precipitation at the NMP3NPP site ranges from 1.66 inches (42.16 mm) in February to 4.05 inches (102.87 mm) in May (Table 2.3-117). Monthly percent frequency of occurrence of precipitation at the NMP3NPP site ranges from 4.68% in August to 11.89% in November (Table 2.3-118). The rainfall rate distribution presented in Table 2.3-119 indicates that heavy rainfalls occur infrequently at the NMP3NPP site. The maximum monthly precipitation of 4.05 inches (102.87 mm) measured at the NMP3NPP site (Table 2.3-117) corresponds well with the values from the NWS sites around the plant ((4.47 inches (113.54 mm) at Oswego; 3.54 inches (89.92 mm) in Rochester; 4.15 inches (105.41 mm) in Syracuse) from Table 2.3-121). The minimum monthly precipitation measured at the NMP3NPP site, 1.66 inches (42.16 mm) however, does not correspond well with the values from the NWS sites around the plant (2.83 inches (71.88 mm) at Oswego; 2.04 inches (51.82 mm) in Rochester; 2.12 inches (53.85 mm) in Syracuse); this may be due to the difference in the period of records (5 years for the NMPNS site versus 30 for the NWS sites).

Figure 2.3-58 through Figure 2.3-60 present annual precipitation wind roses at the NMP3NPP site for the 30 ft (9 m), 100 ft (30 m), and 200 ft (61 m) elevations. These precipitation wind roses portray joint frequency distributions of wind speed and direction as a function of atmospheric stability for only the hours in which precipitation was recorded. These annual precipitation wind roses show that the most frequent wind direction is from the southeast.

Figure 2.3-61 through Figure 2.3-96 present monthly precipitation wind roses of wind speed and direction as a function of precipitation rate class (0.1-0.2 inches/hour or 2.5-5.1 mm/hour) at the NMP3NPP site for the 30 ft (9 m), 100 ft (30 m), and 200 ft (61 m) elevations. These precipitation wind roses portray joint frequency distributions of wind speed and direction as a function of precipitation rate class for only the hours in which precipitation was recorded.

Snowfall statistics for Oswego, New York, located on the shore of Lake Ontario approximately 6.2 miles (10 km) southwest from the NMP3NPP site, are presented in Table 2.3-122 for the period 1971-2000. Oswego averages approximately 136 inches (3457 mm) of snow per year.

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Fog observations are not made as part of the on-site meteorological monitoring program. Fog observations were made at the NWS stations at Rochester (65 miles (105 km) southwest) and Syracuse (32.8 miles (53 km) southeast), New York. The average number of days per year with heavy fog (visibility less than ¼ mile) are 11.2 and 8.9 for Rochester and Syracuse, respectively (Table 2.3-124). No information was found on the duration of heavy fog events.

2.3.2.1.4 Atmospheric Stability

Depending on the amount of incoming solar radiation and other factors, the atmosphere may be more or less turbulent at any given time. Meteorologists have defined atmospheric stability classes, each representing a different degree of turbulence in the atmosphere. When moderate to strong incoming solar radiation heats air near the ground, causing it to rise and generate large eddies, the atmosphere is considered unstable, or relatively turbulent. Unstable conditions are associated with atmospheric stability classes A and B. When solar radiation is relatively weak or absent, air near the surface has a reduced tendency to rise, and less turbulence develops. In this case, the atmosphere is considered stable, or less turbulent, and the stability class would be E or F. Stability classes D and C represent conditions of more neutral stability, or moderate turbulence. Neutral conditions are associated with relatively strong wind speeds and moderate solar radiation.

Atmospheric stability is determined by the delta temperature method as defined in Regulatory Guide 1.23 (NRC, 2007). This methodology classifies atmospheric stability based on the temperature change with height (°C per 100 m). At the NMP3NPP site, atmospheric stability is classified according to the difference between the temperature measurements at the 200 ft (61-meter) and 30 ft (9-meter) levels.

Table 2.3-125 through Table 2.3-142 present annual and overall atmospheric stability persistence summaries at the the NMP3NPP site site for the 30 ft (9 m), 100 ft (30 m), and 200 ft (61 m) elevations. The annual tables were developed using five years of on-site meteorological data (2001-2005). Note that there are slight differences between the three elevations even though they use the same delta-temperature measurements to determine atmospheric stability. This is because the computer code used to develop the tables checks the validity of the wind speed and direction values as well as the delta-temperature values.

The majority of the time (approximately 81%), stability persistence events last for less than four hours (Table 2.3-130, Table 2.3-136, Table 2.3-142). Stability persistence events lasting 12 hours occur 17 times per year on the average and events lasting for greater than 24 hours occur 15 times per year on the average.

Table 2.3-143 presents a monthly atmospheric stability summary at the NMPNS site. It was generated using five years of on-site meteorological data (2001-2005). The most prevalent atmospheric stability class is class D; the least prevalent atmospheric stability class is class B.

2.3.2.1.5 Monthly Mixing Height Data and Inversion Summary

Monthly average mixing height values for the period 1991-2007 were calculated from the daily average values for each month of each year (as data were available) based on twice daily mixing height data from the National Climatic Data Center (NCDC, 2008). These data were taken from the upper air and surface National Weather Service stations closest to the NMPNS (Buffalo and Fulton, New York, respectively). Daily average mixing height values were calculated for each day that had both a morning and afternoon mixing height value; days not having both morning and afternoon mixing height values were excluded.

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Overall monthly average mixing height values were calculated from the individual monthly average values; for example, the January overall monthly average mixing height value of 768 meters (2520 ft) is the average of all of the individual January mixing height values from 1991 through 2007. On average, the number of valid days of data per month ranged from 18 to 27 (that is, days that had both a morning and afternoon mixing height value).

Annual and monthly average mixing height values are presented in Table 2.3-144 and Table 2.3-145. The annual average mixing height was 844 m (2767 ft). The monthly average mixing heights ranged from 768 m (2520 ft) in January to 946 m (3103 ft) in July. A graphical portrayal of the monthly average mixing height values is to be found in Figure 2.3-97.

Frequency and persistence of temperature inversion conditions at the NMP3NPP site are presented in Table 2.3-146 through Table 2.3-150. These tables were developed using five years (2001-2005) of meteorological data from the on-site meteorological monitoring program at the NMP3NPP site. The maximum temperature inversion lasted 46 hours. Approximately 75% of the inversions lasted less than 10 hours.

2.3.2.1.6 Air Quality

Oswego County, New York, is in attainment for all the National Ambient Air Quality Standards (NAAQS). The NAAQS are presented in Table 2.3-151. Based on New York State Department of Environmental Conservation data, Region 7, in which the site is located, was in attainment in 2006 for sulfur dioxide, particulate matter (2.5 microns), carbon monoxide, and ozone.

Oswego County is part of the Central New York Intrastate Air Quality Control Region (AQCR), as designated in the U.S. Code of Federal Regulations, Title 40, Part 81, Subpart B, Section 81.127 (40CFR81.127). The attainment status of the Central New York Intrastate AQCR with regard to national ambient air quality standards is listed as being better than national standards for sulphur dioxide and nitrogen dioxide, unclassifiable/attainment for carbon monoxide, ozone (1-hr), and particulate matter (2.5 microns), attainment for ozone (8-hr), and not designated for lead (10CFR4081.333).

2.3.2.2 Potential Influence of the Plant and its Facilities on Local Meteorology

Figure 2.3-98 presents a map which shows the topography within a 1-mile (1.6-kilometer) radius of the site, the location of the meteorological towers, and NMP Unit 1 and Unit 2. Figure 2.3-99 presents a map which shows the topography within a 5-mile (8-kilometer) radius of the site. Figure 2.3-100 presents a map which shows the topography within a 50-mile (80-kilometer) radius of the site. Figure 2.3-101 presents a plot of maximum elevation versus distance from the center of the plant in each of the sixteen 22.5 degree compass point sectors (centered on true north, north-northeast, northeast, etc.) radiating from the plant to a distance of 50 miles (80 kilometers).

NMP3NPP will be southwest of the existing NMP Unit 1 and Unit 2. Some portions of the site will be cleared of existing vegetation and graded to accommodate NMP3NPP and its ancillary structures. These terrain modifications would be limited to the NMP3NPP site and the immediately surrounding area and, therefore, will not represent a significant alteration to the topographic character of the region around the NMP3NPP site.

Construction activity will meet all pertinent federal and state air quality regulations.

Waste heat produced by NMP3NPP will be dissipated by a closed cycle cooling system. The selected mechanical draft cooling tower has a lower profile than the NMP3NPP containment.

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An analysis was performed to determine any cooling tower impact on local meteorology. The results of the analysis are as follows:

- The sectors of maximum occurrence of visible plumes are E and N.
- The annual total number of hours of fogging and icing will be 305 and 39, respectively, due to the operation of the cooling tower.
- Maximum salt deposition rates in the vicinity of the NMP3NPP site and at the existing and proposed switchyards will be lower than the range of values provided in NUREG-1555, Section 5.3.3.2, to predict effects of drift deposition on plants (0.005 lbs/acre/month vs. 8.9 lb/acre/month (10 kg/hectare/month)).
- The maximum number of hours, annually, in which the plume will cause shadowing (partial blocking of the sunlight from reaching the ground) was determined to be 18 hours at a farm located 2.6 km (1.6 mi) south of the cooling tower, 98 hours at an apple orchard located 2.6 km (1.6 mi) east of the cooling tower, 98 hours at the intersection of Routes 1 and 29 located 2.4 km (1.5 mi) east of the cooling tower, and 55 hours at Lakeview Road located 0.82 km (0.51 mi) southwest of the cooling tower.

The effect of the cooling tower upon local cloud and precipitation patterns is expected to be negligible. As such, the plant is not expected to cause any significant influence on local meteorology.

It is not anticipated that plant construction and operation will cause changes in the normal and extreme meteorological values presented in this report.

2.3.2.3 Local Meteorological Conditions for Design and Operating Bases

Meteorological conditions for design and operating bases are discussed in Section 2.3.1.2.

2.3.2.4 References

ASHRAE, 2005. Weather Data Viewer, version 3.0, American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE), Inc., 2005.

NRC, 1972. On-site Meteorological Programs, Safety Guide 23 (Regulatory Guide 1.23 Revision 0), U.S. Nuclear Regulatory Commission, February 1972.

NRC, 2007. Meteorological Monitoring Programs for Nuclear Power Plants, Regulatory Guide 1.23, Revision 1, U.S. Nuclear Regulatory Commission, March 2007.

NCDC, 2008. National Climatic Data Center, U.S. Department of Commerce, Mixing Height Data in TD 9689 format Using Buffalo, NY, Upper Air Data, and Fulton, NY, Surface Data (1991-2007), January 2008.}

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2.3.3 ONSITE METEOROLOGICAL MEASUREMENT PROGRAM

The U.S. EPR FSAR includes the following COL Item in Section 2.3.3:

> A COL applicant that references the U.S. EPR design certification will provide the site-specific, on-site meteorological measurement program.

This COL Item is addressed as follows:

{Section 2.3.3.1 through Section 2.3.3.3 are added as a supplement to the U.S. EPR FSAR.

2.3.3.1 Pre-application Meteorological Measurement Program

The pre-operational meteorological monitoring program for NMP3NPP is the operational program for Nine Mile Point (NMP) Unit 1 and Unit 2. This program was designed in accordance with the guidance provided in Regulatory Guide 1.23 (Safety Guide 23) (NRC, 1972) and complies with the requirements of Regulatory Guide 1.23, Revision 1, March 2007 (NRC, 2007).

2.3.3.1.1 Tower Location

The exsisting primary meteorological tower at the NMPNS site is located approximately 1.0 km (0.6 mi) west-southwest of NMP Unit 2 near the shore of Lake Ontario. The site is a generally flat, featureless plain located on the south shore of the lake. The site area land elevation ranges from 79 m (260 ft) above mean sea level (AMSL) at the station area to 94 m (310 ft) AMSL at the southern boundary, about one mile from the tower. The terrain rises gradually from the site, reaching an elevation of 305 m (1,000 ft) AMSL approximately 30 km (19 mi) east of the site. A terrain elevation of 610 m (2,000 ft) is reached at a distance of approximately 80 km (50 mi) east of the site.

This tower is located in terrain characteristic of the area and based approximately the same elevation as finished plant grade of NMP Units 1 and 2 . The area around the tower is level, clear of underbrush, and covered with bluestone. Figure 2.3-98 shows the location of the existing on-site meteorological tower as well as the topography of the NMP site. The meteorological tower has been sited for NMP according to the guidance provided in Safety Guide 23 (NRC, 1972). Figure 2.3-99 shows the general topographic features within 5 miles (8 km) of the NMP site.

Supplemental inland measurements are obtained from instrumentation at the Oswego County Airport near Fulton New York. This inland 9 m (30 ft) meteorological tower is located with good exposure in all directions and is situated away from all runways and buildings at the Oswego County Airport. Backup wind direction and speed instrumentation is located east of the J. A. FitzPatrick plant on a 27-m (90-ft) utility pole.

2.3.3.1.2 Tower Design

The primary meteorological tower is steel open-lattice construction reaching a height of 61 m (200 ft) and is instrumented at three levels: 9 m (30 ft), 30 m (100 ft) and 61 m (200 ft).

Digital data processing is accomplished by a remote data acquisition system (RDAS) computer. The RDAS computer is located in an environmentally-controlled instrument cabinet at the meteorological tower. Processed data is then transmitted via modem to a central processing system (CPS) computer for access and storage. The CPS computer is housed in an environmentally-controlled meteorological computer building located at the north end of the NMP Unit 1 parking lot.

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Strip chart recorders display and record analog data. One set of strip chart recorders is located at the meteorological computer building. The control room at NMP Unit 1 and Unit 2 and the adjacent JAFNPP have strip chart recorders for certain key parameters (wind speed and direction, delta temperature). In addition, the Technical Support Center has strip chart recorders for the 61-m (200-ft) and either the 9 m (30 ft) or 30 m (100 ft) wind direction and speed.

Wind direction, speed and sigma theta data from the backup JAFNPP tower are displayed in both digital and analog in the NMP Unit 2 control room. This data will be used as backup to the primary 200 ft tower in the unlikely event that data are unavailable from the primary system.

2.3.3.1.3 Instrumentation

The primary tower is instrumented with wind direction and speed sensors at three levels: 9 m (30 ft), 30 m (100 ft) and 61m (200 ft). Sigma theta is derived for each of the three wind levels. In addition, ambient temperature is measured at the 9 m (30 ft) level and temperature differences are determined between the 61 m (200 ft) and 9 m (30 ft) levels. Dew point temperature is obtained at the 9 m (30 ft) level. Near the base of the tower, precipitation and barometric pressure are also measured.

Wind sensors consist of the Teledyne Geotech or Met One Instruments three-cup anemometer and vane. The ambient temperature and temperature difference systems consist of Teledyne Geotech or Met One Instruments platinum resistance temperature devices in aspirated housings. The dew point temperature is measured by a General Eastern chilled mirror system. Solid and liquid forms of precipitation are measured by a Belfort Instrument Company tipping bucket rain gauge with a heater for subfreezing operations. A Yellow Spring Instrument Company aneroid barometer measures Station atmospheric pressure.

Table 2.3-152 presents the existing primary meteorological tower instrument types and specifications and compares them with regulatory requirements from Regulatory Guide 1.23, Revision 1, March 2007 (NRC, 2007). Table 2.3-153 presents the same information for the backup meteorological tower.

The RDAS computer samples each sensor's analog processor at a rate of once per second and processes the data into 1, 15, and 60 minute averages. The averaged data is then transmitted via modem to the CPS computer for access and storage. As stated in Section 2.3.3.1.2, strip chart recorders record and display analog data and are located in the meteorological computer building, the control room at the NMP Unit 1 and Unit 2 and JAFNPP and at the Technical Support Center.

2.3.3.1.4 Instrument Maintenance and Surveillance Schedules

The exsisting calibration schedules are specified to comply with Regulatory Guide 1.23 recommendations. Equipment checks are performed at least weekly. Charts are changed as required. Component checks and adjustments are performed when required. All meters and other equipment used in calibration are, in turn, calibrated at scheduled intervals.

Inspection and maintenance of all equipment is accomplished in accordance with procedures in the instrument manufacturer's manuals. Inspection is implemented by qualified technicians that are capable of performing the maintenance, if required. The results of the inspections and maintenance performed are recorded in a log book.

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2.3.3.1.5 Data Reduction and Compilation

The exsisting RDAS computer samples each sensor's analog processor at a rate of once per second and processes the data into 1, 15, and 60 minute averages. The averaged data is then transmitted via modem to the CPS computer for access and storage. All data are subject to quality control checks by a meteorologist prior to tabulation of routine summaries of wind direction, speed and stability. Other analyses are performed as warranted for special projects, in addition to the routine submittal of data for scheduled reports.

The 15-minute averaged data are available for use in the determination of magnitude and continuous assessment of the impact of releases of radioactive materials to the environment during a radiological emergency (as required in 10 CFR 50.47) (CFR, 2008). The hourly averaged data are available for use in:

1. Determining radiological effluent release limits associated with normal operations can be met for any individual located off site.

2. Determining radiological dose consequences of postulated accidents meet prescribed dose limits at the Exclusion Area Boundary (EAB) and Low Population Zone (LPZ).

3. Evaluating personnel exposures in the control room during radiological and airborne hazardous material accident conditions.

4. Determining compliance with numerical guides for design objectives and limiting conditions for operation to meet the requirement that radioactive material in effluents released to unrestricted areas be kept as low as is reasonably achievable.

5. Determining compliance with dose limits for individual members of the public.

Annual summaries of meteorological data in the form of joint frequency distributions of wind speed and wind direction by atmospheric stability class are kept on-site and are available upon request. A summary of the on-site meteorological data is presented in Section 2.3.2. Wind roses (graphical depictions of joint frequency distribution tables) summarizing data are also presented in Section 2.3.2.

The site meteorological data represent long-term conditions at the site by comparing site meteorological statistics with similar statistics from surrounding National Weather Service (NWS) stations (Rochester, Oswego, and Syracuse, NY). The comparison noted:

- Rochester and Oswego, NY, are located in the same climatic division as the NMP3NPP site. (A climate division represents a region within a state that is as climatically homogeneous as possible, as determined by the U.S. National Climatic Data Center.)

- The annual average wind speed at the 30 ft (9 m) level at NMP3NPP site (8.7 mph) falls between the 33 ft (10 m) annual average wind speed measured at Syracuse (8.4 mph) and Rochester (9.1 mph).

- The annual precipitation measured at the NMP3NPP site is within the range of the NWS sites.

- The monthly mean temperatures measured at the NMP3NPP site tend to be slightly higher in the winter months and slightly lower in the summer months than the corresponding temperature values measured at Rochester, Syracuse, and Oswego due

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to the effect of Lake Ontario and the lack of an urban heat island effect at the NMP3NPP site.

- The annual average dew point temperature measured at the NMP3NPP site, 39.3°F (4.1°C), falls between the values measured at Rochester and Syracuse, 39.5°F (4.2°C) and 39.1°F (3.9°C), respectively.

2.3.3.1.6 Nearby Obstructions to Air Flow

Downwind distances from the meteorological tower to nearby (within 1/2 mile or 0.8 km) obstructions to air flow were determined using U.S. Geological Survey topographical maps. Within 0.5 miles (0.8 km) of the tower the land rises from 260 ft (~79 m) to 300 ft (~91 m). Lake Ontario lies in the west-northwest to northeast sectors. For a considerable distance to the west, east and south of the site, the topography is characterized by gently rolling terrain. The terrain rises gradually from the shoreline of Lake Ontario until it meets the Tug Hill Plateau, over 25 mi (40 km) east of the site, and the Onondaga Hills, approximately 40 mi (65 km) south of the site. Table 2.3-154 presents the distances to nearby obstructions to air flow in each downwind sector and the height of the obstruction. From the information provided, it can be seen that there are no significant nearby obstructions to airflow.

2.3.3.1.7 Deviations to Guidance from Regulatory Guide 1.23

The pre-application meteorological monitoring program for the NMPNS site does not deviate from the guidance provided in Safety Guide 23. Table 2.3-152 presents detailed information on hte meteorological tower instruments types and specifications and compares them with regulatory requirements from Regulatory Guide 1.23, Revision 1, March 2007 (NRC, 2007). Table 2.3-153 presents detailed information on the backup meteorlogical tower instruments types and specifications and compares them with regulatory requirements from Regulatory Guide 1.23, Revision 1, March 2007 (NRC, 2007).

2.3.3.2 Pre-Operational, and Operational Meteorological Measurement Program

The pre-operational and operational meteorological monitoring program will comply with the requirements of Regulatory Guide 1.23, Revision 1, March 2007 (NRC, 2007). A new primary meteorological tower will be located on the NMPNS site approximately 1.2 km (0.74 mi) south of the NMP3NPP containment building centerline. This will ensure the requirements of Regulatory Guide 1.23, Revision 1, March 2007 (NRC, 2007) will be satisfied. The pre-operational meteorological monitoring program and the operational monitoring program will be similar and will both require a new meteorological tower. The pre-operational meteorological monitoring program will begin prior to major plant construction of NMP3NPP and will ensure an operational meteorological tower is in place to support NMP Unit 1 and Unit 2 and JAFNPP. The pre-operational meteorological monitoring program will begin shortly after the new tower is built and all the equipment have been installed and tested. The pre-operational meteorological monitoring program will obtain data from the existing program for NMP Unit 1 and Unit 2 (descriped in Section 6.4.1) and the new meteorological program. Collection of data from the NMP Unit 1 and Unit 2 program described in Section 6.4.1 will be terminated after appropriate data has been obtained to establish baseline for data from the new tower. The pre-operational program will continue with the new tower in operation until plant startup.

2.3.3.2.1 Tower Location

The location of the new meteorological tower will be on the NMP site approximately 1.2 km (0.74 mi) south of the NMP3NPP containment building centerline. Figure 2.3-98 shows the location of the new meteorological tower, the existing meteorological tower, NMP Unit 1, NMP

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Unit 2, JAFNPP ,and the proposed NMP3NPP buildings as well as the topography of the NMP site. Figure 2.3-99 shows the general topographic features within 5 miles (8 km) of the NMP3NPP site.

The new meteorological tower is located on level, open terrain at a distance at least 10 times the height of any nearby obstruction that exceeds one-half the height of the wind measurement; i.e., the tower is located far enough away from NMP3NPP Unit 3 structures, other Unit structures, and topographical features to avoid airflow modifications. The terrain height difference between the meteorological tower and the NMP3NPP Unit 3 reactor area is approximately 35 ft (12 m). The distance between the meteorological tower and the NMP3NPP Unit 3 reactor is approximately 1,286 m (4,219 ft) while the height of the reactor building is approximately 62 m (203 ft). The distance between the meteorological tower and the NMP Unit 2 cooling tower is approximately 1711 m (6,513 ft) while the height of the NMP Unit 2 cooling tower is approximately 165 m (541 ft). Therefore the height of the NMP Unit 2 cooling tower is primarily driving the location of the cooling tower.

2.3.3.2.2 Tower Design

The new meteorlogical tower design complies with Regulation Guide 1.23 Revision 1 (NRC, 2007).

2.3.3.2.3 Instrumentation

The instrumentation for the new meteorological tower complies with Regulatory Guide 1.23, Revision 1 (NRC, 2007).

2.3.3.2.4 Instrument Maintenance and Surveillance Schedules

The instrument maintenance and surveillance schedules for the new meteorological tower will fully comply with Regulatory Guide 1.23, Revision 1 (NRC, 2007).

2.3.3.2.5 Data Reduction and Compilation

Data Reduction and Compilation for the new meteorological tower complies with Regulatory Guide 1.23, Revision 1 (NRC, 2007).

2.3.3.2.6 Nearby Obstructions to Air Flow

Downwind distances from the new primary meteorological tower to nearby (within 1/2 mile or 0.8 km) obstructions to air flow were determined using U.S. Geological Survey topographical maps. Lake Ontario lies in the west-northwest to northeast sectors. For a considerable distance to the west, east and south of the site, the topography is characterized by gently rolling terrain. The terrain rises gradually from the shoreline of Lake Ontario until it meets the Tug Hill Plateau, over 25 mi (40 km) east of the site, and the Onondaga Hills, approximately 40 mi (65 km) south of the site. Table 2.3-155 presents the distances to nearby obstructions to air flow in each downwind sector and the height of the obstruction. Figure 2.3-98 shows the location of the new meteorological tower, the exising meteorological tower, NMP Unit 1, NMP Unit 2, J.A. FitPatrick ,and the proposed NMP3NPP buildings as well as the topography of the NMP site. Figure 2.3-99 shows the general topographic features within 5 miles (8 km) of the NMP3NPP site.

Table 2.3-188 presents the building heights and distances from major structures to the new meteorological tower. The two tallest EPR structures are the Reactor Building and the Turbine Building. The Turbine Building is also the closest major EPR building to the new meteorology

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tower. The NMP3NPP cooling water tower and the NMP Unit 2 cooling tower are also identified in the table.

All EPR buildings are greater than a factor of ten times their respective heights away from the new meteorological tower. Both the NMP3NPP cooling tower and the NMP Unit 2 cooling tower are greater than a factor of ten times their respective heights away from the new meteorological tower. From the information provided, it can be seen that there are no significant obstructions to airflow.

2.3.3.2.7 Deviations to Guidance from Regulatory Guide 1.23

The meteorological tower is not sited at approximately the same elevation as finished plant grade. This was done in order to assure that the meteorological tower is located on level, open terrain at a distance at least 10 times the height of any nearby obstruction that exceeds one-half the height of the wind measurement; i.e., the tower is located far enough away from NMP3NPP, NMP Unit 1 and 2 structures and topographical features to avoid airflow modifications. Further discussion is provided in Section 2.3.3.2.1.

2.3.3.3 References

CFR, 2008. Emergency Planning and Preparedness for Production and Utilization Facilities, Title 10, Code of Federal Regulations, Part 50, Appendix E, 2008.

NRC, 1972. U.S. Nuclear Regulatory Commission, Regulatory Guide 1.23 (Safety Guide 23), "On-site Meteorological Programs," February 1972.

NRC, 2007. U.S. Nuclear Regulatory Commission, Regulatory Guide 1.23, Revision 1, "Meteorological Monitoring Programs for Nuclear Power plants," March 2007.}

2.3.4 SHORT TERM ATMOSPHERIC DISPERSION ESTIMATES FOR ACCIDENT RELEASES

The U.S. EPR FSAR includes the following COL Items in Section 2.3.4:

> A COL applicant that references the U.S. EPR design certification will confirm that site-specific χ/Q values, based on site-specific meteorological data, are bounded by those specified in Table 2.1-1 at the EAB and LPZ and by Table 2.3-1 at the control room.
>
> For site-specific χ/Q values that exceed the bounding χ/Q values, a COL applicant that references the U.S. EPR design certification will demonstrate that the radiological consequences associated with the controlling design basis accident continue to meet the dose reference values given in 10 CFR Part 50.34 and the control room operator dose limits given in GDC 19 using site-specific χ/Q values.
>
> A COL applicant that references the U.S. EPR design certification will provide a description of the atmospheric dispersion modeling used in evaluating potential design basis events to calculate concentrations of hazardous materials (e.g., flammable or toxic clouds) outside building structures resulting from the onsite and/or offsite airborne releases of such materials.
>
> A COL applicant that references the U.S. EPR design certification will provide χ/Q values for each cumulative frequency distribution which exceeds the median value (50 percent of the time) as part of the assessment of the postulated impact of an accident on the environment.

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These COL Items are addressed as follows:

{These COL Items are addressed in Section 2.3.4.2.1 through 2.3.4.3.

Section 2.3.4.1 through 2.3.4.4 are added as a supplement to the U.S. EPR FSAR.

2.3.4.1 Objective

This section provides, for appropriate time periods up to 30 days after an accident, conservative estimates of atmospheric dispersion factors (χ/Q) values at the exclusion area boundary (EAB), at the outer boundary of the low population zone (LPZ), and at the control room for postulated accidental radioactive airborne releases. This section also addresses atmospheric dispersion modeling used in Section 2.2.3 to evaluate potential design basis events resulting from the on-site and/or off-site airborne releases of hazardous materials (e.g., flammable vapor clouds, toxic chemicals, and smoke from fires).

2.3.4.2 Calculations

2.3.4.2.1 Conservative Short-Term (Accident Release) Atmospheric Dispersion Estimates for EAB and LPZ

Short-term atmospheric dispersion estimate (χ/Q) values at the Exclusion Area Boundary (EAB) and Low Population Zone (LPZ) are provided in Table 2.1-1 of the U.S. EPR FSAR. Conservative estimates of site-specific atmospheric dispersion for the NMP3NPP site boundary (exclusion area boundary) and the outer boundary of the site-specific LPZ were determined using computer code AEOLUS3 and seven years of meteorological data (2001-2007) from the on-site monitoring program at the existing NMP Unit 1 and Unit 2. Site-specific local meteorological data are described in Section 2.3.2, Local Meteorology.

AEOLUS3 was developed and validated by Entech Engineering. It implements the guidance in Regulatory Guide 1.145, "Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants," for accidental releases (NRC, 1982).

The following assumptions were made for the short-term atmospheric dispersion analysis:

- Short-term atmospheric dispersion factors determined using AEOLUS3 assumed a ground level release. Therefore, in accordance with Regulatory Guide 1.145, the release point and receptor elevations were assumed to be the same.

- For EAB/LPZ atmospheric dispersion factors for DBAs, all post-accident release points were based on the ground level release model with no dispersion credit for building wake effects. However, plume meander, which predominates building wake effects during short time intervals, is accounted for.

- An instrument height of 10 meters was input to AEOLUS3 rather than the actual height of 9 meters; this had no affect on the results since AEOLUS3 defaults to a height of 10 meters.

- There are two redundant outside air intakes for the Control Room (CR)/ Technical Support Center (TSC) envelope (see Figure 2.3-102), one on the roof of Safeguard Building Division #2 (Building 2UJK), and another on Safeguard Building #3 (Building 3UJK). The locations for these intakes are in the corners farthest away from the containment building (on the northwest corner of Division 2 and the northeast corner

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of Division 3). In addition, there could be multiple/alternative release points for any given accident, such as four Main Steam Relief Trains for a postulated Steam Generator Tube Rupture accident. In the present application, it was assumed that the outside air for the CR/TSC envelope will be from a single intake.

- For the canopy and depressurization shaft releases, intervening walls and roof in the line of sight between the release points and the Control Room air intakes were conservatively ignored.

Inputs to the AEOLUS3 computer code are provided in Table 2.3-156.

The determination of the site-specific atmospheric dispersion for the EAB and the outer boundary of the LPZ complies with the guidance provided in Regulatory Guide 1.145, Revision 1 (NRC, 1982).

Conservative estimates of atmospheric dispersion for the site boundary (exclusion area boundary or EAB) and the outer boundary of the low population zone (LPZ) for NMP3NPP are presented in Table 2.3-157 and Table 2.3-159. The values for the EAB and LPZ presented in Table 2.3-157 and Table 2.3-159 are bounded by those in Table 2.1-1 within the U.S. EPR Final Safety Analysis Report.

2.3.4.2.2 Realistic Short-Term (Accident Release) Atmospheric Dispersion Estimates for EAB and LPZ

Realistic estimates of the site-specific atmospheric dispersion for the NMP3NPP site boundary (exclusion area boundary) and the outer boundary of the site-specific LPZ were determined using computer code AEOLUS3 1.0 and seven years of meteorological data (2001-2007) from the on-site monitoring program at the existing NMP Unit 1 and Unit 2. Site-specific local meteorological data are described in Section 2.3.2.

The 50th percentile χ/Q values for the 2-8 hour, 8-24 hour, 1-4 days, and 4-30 days time periods for the LPZ were determined using the methodology in Sections 1.4 and 2.2 of Regulatory Guide 1.145 (NRC, 1982), the 0-2 hour 50th percentile value for the LPZ, and the five percentile values for all accident time periods determined using computer code AEOLUS3 and seven years of on-site meteorological data from the NMPNS site (2001-2007). The 0-2 hour 50th percentile value for the EAB was extracted directly from the computer output.

Regulatory Guide 1.145 requires the following steps to be performed for computation of the accident atmospheric dispersion factors (χ/Q) at the Low Population Zone (LPZ):

1. The 2-hour accident χ/Q and the annual average χ/Q are determined for each sector at the outer LPZ boundary distances.

2. The two values for any given sector (the 2-hour accident χ/Q and the annual average χ/Q) are plotted on a log-log graph, and values at other time intervals of interest are determined through logarithmic interpolation between these two points.

3. The time periods should be selected to represent appropriate meteorological time regimes (an 8-hour interval for releases during the first 8 hours of the postulated accident, a 16-hour interval for releases between 8 and 24 hours, a 3-day interval for releases between 1 and 4 days, and a 26-day interval for releases between 4 and 30 days).

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Since the annual average χ/Q is an integral part of the model for determination of accident χ/Q values, it is possible to use the Regulatory Guide 1.145 methodology in reverse order to determine the annual average χ/Q which was used in the computation of the accident χ/Q values. The accident χ/Q values and the annual average χ/Q value should be on a straight line when plotted on a log-log graph. The 50th percentile atmospheric dispersion factors were determined - these factors are presented in Table 2.3-158.

2.3.4.2.2.1 EAB Options

The EAB is asymmetric with a circular radius of 0.42 miles clockwise from WNW to the SSW sectors and follows the property fence line from the SW to W sectors. The EAB is shown in Figure 2.3-103 and is assigned a χ/Q value of 9.713E-04 s/m^3. The EAB excludes a parcel of private property. All EAB sectors have χ/Q values that are bounded by the 1.0E-03 s/m^3 dispersion factor in the U.S. EPR Final Safety Analysis Report.

2.3.4.2.3 Short-Term (Accident Release) Atmospheric Dispersion Estimates for the Control Room

Short-term atmospheric dispersion estimates (χ/Q) values estimated for the control room are provided in Table 2.3-1 of the U.S. EPR FSAR. Short-term atmospheric dispersion χ/Q estimates for unfiltered inleakage into the control room are provided in Table 2.3-2 of the U.S. EPR FSAR. Conservative estimates of the site-specific atmospheric dispersion for the control room were determined using computer code ARCON96 and seven years of meteorological data (2001-2007) from the on-site monitoring program at the existing NMP Unit1 and Unit 2. The version of the ARCON96 code which was used is the May 9, 1997 version which is endorsed in Regulatory Guide 1.194 (NRC, 2003). Site-specific local meteorological data are described in Section 2.3.2, Local Meteorology.

ARCON96 implements the guidance in Regulatory Guide 1.194, "Atmospheric Relative Concentrations for Control Room Radiological Habitability Assessments at Nuclear Power Plants," (NRC, 2003). ARCON96 was specifically developed for the Nuclear Regulatory Commission (NRC, 1997). The determination of the site-specific atmospheric dispersion for the control room complies with the guidance provided in Regulatory Guide 1.194, Revision 0 (NRC, 2003).

Inputs to the ARCON96 computer code are provided in Table 2.3-156.

Conservative site-specific estimates of atmospheric dispersion for the NMP3NPP control room are presented in Table 2.3-162 through Table 2.3-166. The values for the control room presented in Table 2.3-162 through Table 2.3-166 are bounded by those in U.S. EPR FSAR Table 2.3-1, except for the following (which is a departure):

- The 1 to 4 days value for the Canopy Pt. 2. Since the difference is negligible (4.19E-04 versus 4.20E-04 for the NMP3NPP site) and the values for the other four time periods are bounded, there should be no adverse effect on dose.

- The 1 to 4 days value for the Depressurization Shaft. Since the difference is negligible (1.11E-03 versus 1.12E-03 for the NMP3NPP site) and the values for the other four time periods are bounded, there should be no adverse effect on dose.

U.S. EPR FSAR Figure 2.3-1 indicates the locations of potential accident release pathways and their relationship to the control room. Figures 2.1-1 and Figure 2.3-102 provide the NMPNS site plant and control room air intake location.

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2.3.4.2.4 Atmospheric Dispersion Modeling for Hazardous Materials

The description of the atmospheric modeling used in the evaluation of potential design basis events to calculate concentration of hazardous material is provided in Section 2.2.3.1.

2.3.4.3 Input Details for Computer Codes AEOLUS3 (Version 1)

Assumptions made for AEOLUS3 modeling are described in Section 2.3.4.2.1. Specific input parameters and values are provided in Table 2.3-156.

2.3.4.4 References

NRC, 1982. U.S. Nuclear Regulatory Commission Regulatory Guide 1.145, Revision 1, Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants, dated November 1982.

NRC, 1997. U.S. Nuclear Regulatory Commission NUREG/CR-6331, Revision 1, Atmospheric Relative Concentrations in Building Wakes, May 1997

NRC, 2003. U.S. Nuclear Regulatory Commission Regulatory Guide 1.194, Revision 0, Atmospheric Relative Concentrations for Control Room Radiological Habitability Assessments at Nuclear Power Plants, dated June 2003.}

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2.3.5 LONG-TERM ATMOSPHERIC DISPERSION ESTIMATES FOR ROUTINE RELEASES

The U.S. EPR FSAR includes the following COL Items in Section 2.3.5:

> A COL applicant that references the U.S. EPR design certification will provide the site-specific, long-term diffusion estimates for routine releases. In developing this information, the COL applicant should consider the guidance provided in Regulatory Guides 1.23, 1.109, 1.111, and 1.112. The maximum annual average χ/Q value at the site boundary, provided in Table 2.1-1, is used to calculate radionuclide concentrations associated with routine gaseous effluent releases, addressed in Section 11.3, for comparison with environmental release limits and dose limits given in 10 CFR Part 20. If a reactor site has an annual average χ/Q value that exceeds the reference value, then a site-specific evaluation will be performed.
>
> A COL applicant that references the U.S. EPR design certification will also provide estimates of annual average atmospheric dispersion (χ/Q values) and deposition (D/Q values) for 16 radial sectors to a distance of 50 mi (80 km) from the plant as part of its environmental assessment.

These COL Items are addressed as follows:

{Section 2.3.5.1 through 2.3.5.4 are added as a supplement to U.S. EPR FSAR.

2.3.5.1 Objective

This section provides realistic estimates of annual average atmospheric dispersion (χ/Q values) and deposition (D/Q values) to a distance of 50 mi (80 km) for annual average release limit calculations and person-rem estimates.

2.3.5.2 Calculations

Realistic estimates of site-specific annual average atmospheric transport and diffusion characteristics were determined using computer code AEOLUS3 and seven years of meteorological data (2001-2007) from the on-site monitoring program at the existing NMP Unit 1 and Unit 2. Site-specific local meteorological data are described in Section 2.3.2, Local Meteorology.

AEOLUS3 was developed and validated by Entech Engineering. It implements the guidance in Regulatory Guide 1.111, "Methods for Estimating Atmospheric Transport and Dispersion of Gaseous Effluents in Routine Releases from Light-Water-Cooled Reactors," for routine releases (NRC, 1977a). The code has been used in past licensing submittals and its results have been found to be acceptable by the NRC (NRC, 2007).

AEOLUS3 operates in a batch-input mode with various options that are user selectable. The program is based on a straight-line trajectory Gaussian plume model. The plume can be depleted by wet deposition, dry deposition, and radioactive decay. The computed ground-level concentration can be modified to account for plume recirculation or stagnation. The program computes an effective plume height which accounts for physical release height, aerodynamic downwash, plume rise, and terrain heights. Other options include plume-meander effects and wind speed extrapolation.

AEOLUS3 produced the following dispersion parameters: the concentration χ/Q, which is used for the determination of airborne concentrations and inhalation doses at off-site receptors of interest as well as gamma air doses, the gamma χ/Q, which may be employed in the

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computation of external gamma radiation from the ensuing finite clouds of radioactive material, and the deposition factor D/Q, which is used as a measure of the relative deposition of released radioactivity. Doses calculated due to postulated normal effluents from NMP3NPP made use of the concentration χ/Q and deposition D/Q values. The gamma χ/Q values, while not used to determine normal effluent doses for NMP3NPP, represent an alternative methodology to determine gamma air doses.

AEOLUS3 computes plume standard deviations in the horizontal and vertical dimensions (sy and sz, respectively) using the analytical expressions from the Nuclear Regulatory Commission-sponsored computer program XOQDOQ. The on-site meteorological data used in the dispersion analysis has been shown to be representative of the region as discussed in Section 2.3.2. Thus, the atmospheric dispersion and deposition factors determined by AEOLUS3 from the site boundary to a radius of 50 mi (80 km) from the plant are appropriate for use in estimating the consequences of routine releases for NMP3NPP.

Meteorological data summaries used as input to AEOLUS3 are provided in Section 2.3.2. The regulatory guidance described in Regulatory Guide 1.23, Revision 1 (NRC, 2007), was followed in the determination of appropriate on-site meteorological data. The regulatory guidance described in Regulatory Guide 1.112 (NRC, 1977b) was followed in the determination of points of routine release of radioactive materials to the atmosphere and their characteristics. The regulatory guidance described in Regulatory Guide 1.109, Revision 1 (NRC, 1977c), was followed in the determination of potential receptors of interest.

The following assumptions were made for the long-term atmospheric dispersion analysis:

- Seven years of on-site meteorological data were used (2001 through 2007),
- A mixed mode release from the stack,
- Lower level (10 m or 33 ft) wind speed and direction data were used,
- Wind speed extrapolation was performed using the XOQDOQ coefficients,
- Vertical temperature difference (temperature difference between 60 m (197 ft) and 10 m (33 ft)) data were used,
- Building wake credit was taken using a Reactor Building height of 60 m (197 ft) and cross-sectional area of 2,940 m^2 (31,630 ft^2),
- Stack height was assumed to be 62 m (203 ft),
- Stack inner diameter was assumed to be 3.8 m (12.5 ft (a conservative assumption)),
- Stack flow rate was assumed to be 242,458 ft^3/min (6,865,646 l/min) (a conservative assumption),
- Midpoint energy and relative intensity of the gamma spectrum used to determine gamma χ/Q values were 0.3 MeV and 1.0 MeV/sec,
- Twelve wind speed groups were used per Regulatory Guide 1.23, Revision 1 (NRC, 2007) (with additional wind speed class breakdown at the lower wind speeds that are important for atmospheric dispersion),

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- Plume rise was considered for the elevated portion of the mixed mode release,
- Plume meander was considered,
- Default recirculation correction factors were used (Regulatory Guide 1.111, Revision 0),
- Dispersion coefficients were modeled as done in NRC code XOQDOQ,
- Regulatory Guide 1.111, (NRC, 1977a) depletion and deposition curves were used,
- Wet deposition effects were not evaluated,
- An annual average mixing height value of 900 m (2,953 ft) was used (conservative value),
- Grid receptor distances were chosen per Regulatory Guide 1.109, Appendix D, Section 2.6 (NRC, 1977c) with some additional distances,
- Special receptors were included (site boundary, nearest residents, gardens, and milk and meat animals) according to the guidance provided in Regulatory Guide 1.109 (NRC, 1977c),
- Terrain height of receptors was considered.

Inputs to the AEOLUS3 computer code are provided in Table 2.3-167.

The atmospheric transport and diffusion model used to determine the long-term atmospheric dispersion estimates for routine releases for NMP3NPP complies with the guidance provided in Regulatory Guide 1.111, Revision 1 (NRC, 1977a).

A mixed mode release from the NMP3NPP stack was modeled to determine routine release normal effluent atmospheric dispersion and deposition factors. Figure 2.3-1 of the U.S. EPR Final Safety Analysis Report indicates the location of the stack. As previously stated, seven years of meteorological data (2001-2007) from the on-site monitoring program at NMP Unit 1 and Unit 2 were used in the analysis. A summary of these data in the form of a joint frequency distribution of wind speed and direction as a function of atmospheric stability is provided in Section 2.3.2.

Credit for building wake effect was taken. The release point was 203 ft (62 m) above grade (6.6 ft (2 m) above the Reactor Building). Terrain height values for downwind receptor locations were determined using topographic maps from the U.S. Geological Survey. The annual average height of the inversion layer and the maximum allowable plume centerline height were set to 900 m (2953 ft). This value was determined using Figures 1 and 6 from AP-101, "Mixing Heights, Wind Speeds, and Potential for Urban Air Pollution Throughout the Contiguous United States" (EPA, 1972). A stack flow rate of 242,458 ft^3/min was used; this is a conservative value, since the actual flow rate for normal operations will be higher.

Table 2.3-168 through Table 2.3-187 present the site-specific normal effluent annual average atmospheric dispersion and deposition factors for a mixed mode release from the NMP3NPP stack. Locations of interest (i.e., site boundary, nearest resident, nearest garden, milk/meat animals) were derived from the NMP Unit 2 Annual Radiological Environmental Operating Report for 2006, and from regulatory guidance. The specific locations of the potential receptors

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of interest are provided in each table in terms of downwind sector and distance from the stack. At the time of the analysis, there were no meat animal receptors reported within 5 mi (8 km) of the plant.

2.3.5.3 Site-Specific Evaluation of Maximum Annual Average χ/Q

The maximum site-specific annual average χ/Q and D/Q values at or beyond the site boundary are 5.555E-06 sec/m^3 (site boundary, WNW downwind sector, 419.5 m) and 3.397E-08 1/m^2 (site boundary, WNW downwind sector, 419.5 m), respectively. Note that the N, NNE, NE, NW, and NNW sectors are bounded by water (Lake Ontario) and therefore not considered in the determination of the maximum off-site χ/Q and D/Q values since long-term occupancy by a member of the public is not possible. The maximum annual average χ/Q at or beyond the site boundary is not bounded by the value presented in Table 2.1-1 of the U.S. EPR Final Safety Analysis Report and is a departure.

Although the Maximum Annual Average χ/Q value for the NMP3NPP exceeds the χ/Q limiting value specified in Table 2.1-1 if the U.S. EPR FSAR, operation of NMP3NPP is justified since the dose of limits of 10 CFR 50 Appendix I and 40 CFR 190 for the maximally exposed member of the public are not exceeded. Also, the air concentration limits of 10 CFR 20, Appendix B, Table 2, Column 1 are not exceeded in unrestricted areas.

2.3.5.4 References

EPA, 1972. U.S. Environmental Protection Agency, Division of Meteorology, Report AP-101, Mixing Heights, Wind Speeds, and Potential for Urban Air Pollution Throughout the Contiguous United States, George C. Holztworth, 1972.

NRC, 1977a. U.S. Nuclear Regulatory Commission Regulatory Guide 1.111, Revision 1, Methods for Estimating Atmospheric Transport and Dispersion of Gaseous Effluents in Routine Releases from Light-Water-Cooled Reactors, dated July 1977.

NRC 1977b. U.S. Nuclear Regulatory Commission Regulatory Guide 1.112, Revision 0-R, Calculation of Releases of Radioactive Materials in Gaseous and Liquid Effluents from Light-Water-Cooled Power Reactors, May 1977.

NRC, 1977c. U.S. Nuclear Regulatory Commission Regulatory Guide 1.109, Revision 1, Calculation of Annual Dose to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR Part 50, Appendix I, October 1977.

NRC, 2007. U.S. Nuclear Regulatory Commission Regulatory Guide 1.23, Revision 1, Meteorological Monitoring Programs for Nuclear Power Plants, October 2007.}

2.3.6 REFERENCES

No departures or supplements.

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Table 2.3-1—{National Ambient Air Quality Standards}

Pollutant	Primary Standards		Secondary Standards	
	Level	Averaging Time	Level	Averaging Time
Carbon Monoxide	9 ppm (10 mg/m^3)	8-hour[1]	None	
	35 ppm (40 mg/m^3)	1-hour[1]		
Lead	1.5 µg/m^3	Quarterly Average	Same as Primary	
Nitrogen Dioxide	0.053 ppm (100 µg/m^3)	Annual (Arithmetic Mean)	Same as Primary	
Particulate Matter (PM_{10})	150 µg/m^3	24-hour[2]	Same as Primary	
Particulate Matter ($PM_{2.5}$)	15.0 µg/m^3	Annual[3] (Arithmetic Mean)	Same as Primary	
	35 µg/m^3	24-hour[4]		
Ozone	0.075 ppm (2008 std)	8-hour[5]	Same as Primary	
	0.08 ppm (1997 std)	8-hour[6]		
	0.12 ppm	1-hour[7] (Applies only in limited areas)		
Sulfur Dioxide	0.03 ppm	Annual (Arithmetic Mean)	0.5 ppm (1300 µg/m^3)	3-hour[1]
	0.14 ppm	24-hour[1]		

Notes:

[1] Not to be exceeded more than once per year.
[2] Not to be exceeded more than once per year on average over 3 years.
[3] To attain this standard, the 3-year average of the weighted annual mean $PM_{2.5}$ concentrations from single or multiple community-oriented monitors must not exceed 15.0 µg/m^3.
[4] To attain this standard, the 3-year average of the 98th percentile of 24-hour concentrations at each population-oriented monitor within an area must not exceed 35 µg/m^3 (effective December 17, 2006).
[5] To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.075 ppm. (effective May 27, 2008)
[6] (a) To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.08 ppm.
(b) The 1997 standard-and the implementation rules for that standard-will remain in place for implementation purposes as EPA undertakes rulemaking to address the transition from the 1997 ozone standard to the 2008 ozone standard.
[7] (a) The standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above 0.12 ppm is < 1.
(b) As of June 15, 2005 EPA revoked the 1-hour ozone standard in all areas except the 8-hour ozone nonattainment Early Action Compact (EAC) Areas.

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Table 2.3-2—{Tornados Reported in Oswego County, New York}

8 TORNADO(s) were reported in Oswego County, New York between 01/01/1950 and 04/30/2007.					
Location or County	**Date**	**Time**	**Type**	**Mag**	**Width**
Oswego	09/09/1960	1400	Tornado	F1	250 yards
Oswego	05/30/1972	1400	Tornado	F0	50 yards
Oswego	09/08/1981	1300	Tornado	F1	Not provided
Oswego	05/02/1983	1929	Tornado	F3	150 yards
Oswego	07/13/1986	1625	Tornado	F1	7 yards
Mexico	08/02/1993	1020	Tornado	F0	20 yards
Central Square	05/26/1994	1315	Tornado	F0	10 yards
Granby	07/15/1996	1400	Tornado	F0	8 yards

Notes:

F0 - Wind Speed less than 73 mph (33 m/sec)
F1 - Wind Speed between 73 and 112 mph (33 and 50 m/sec)
F2 - Wind Speeds between 113 and 157 mph (50 and 70 m/sec)
F3 - Wind Speeds between 158 and 206 mph (71to 92 m/sec)

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Table 2.3-3—{Tropical Storms and Hurricanes Passing Within 100 Miles (161 km) of Oswego, New York}

YEAR	MONTH	DAY	STORM NAME	WIND SPEED(KTS)	PRESSURE(MB)	CATEGORY
1876	9	18	NOTNAMED	50	0	TS
1893	10	14	NOTNAMED	65	0	H1
1900	9	12	NOTNAMED	60	0	E
1901	9	29	NOTNAMED	25	0	E
1903	9	17	NOTNAMED	45	0	TS
1915	8	22	NOTNAMED	25	0	E
1923	10	24	NOTNAMED	40	0	E
1933	8	24	NOTNAMED	45	0	TS
1957	6	29	AUDREY	40	0	E
1979	9	14	FREDERIC	35	997	TS
1989	9	23	HUGO	35	988	E
1995	10	6	OPAL	35	997	E
1996	9	8	FRAN	25	1001	TD
1999	9	7	DENNIS	20	1008	TD
2004	9	9	FRANCES	30	1001	E
2006	9	3	ERNESTO	25	1014	E

Notes:

E = Extra-tropical
TD = Tropical Depression
TS = Tropical Storm
H1 = Hurricane Category 1
1 knot = 1.15 mph
1 knot = 0.514 m/sec

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Table 2.3-4—{Total and Average Numbers of Tropical Storms and Hurricanes}

MONTH	TROPICAL STORMS[1]		HURRICANES		U.S. HURRICANES	
	Total	Average	Total	Average	Total	Average
JANUARY-APRIL	5	*	1	*	0	0.00
MAY	18	0.1	4	*	0	0.00
JUNE	76	0.5	28	0.2	19	0.12
JULY	94	0.6	47	0.3	23	0.15
AUGUST	336	2.2	214	1.4	74	0.48
SEPTEMBER	448	2.9	309	2.0	102	0.67
OCTOBER	273	1.8	154	1.0	50	0.33
NOVEMBER	58	0.4	38	0.2	5	0.03
DECEMBER	8	0.1	4	*	0	0.00
YEAR	1316	8.5	799	5.2	273	1.78

Notes:

[1]Includes subtropical storms after 1967.
*Less than 0.5

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Table 2.3-5—{Monthly Mean Number of Days with Thunderstorms}

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Rochester, NY	0.1	0.1	0.8	1.9	3.5	5.2	5.9	5.5	2.8	0.9	0.4	0.2	27.3
Syracuse, NY	0.2	0.2	0.8	1.7	3.4	5.0	6.3	5.2	2.6	0.9	0.5	0.1	26.9

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Table 2.3-6—{Fifty Knots or Greater High Wind Events in Oswego County, New York}
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Date	Time	Type	Wind Speed Knots (mps)
07/24/1975	01:15 PM	Thunderstorm	59 (30)
06/19/1976	03:20 PM	Thunderstorm	53 (27)
06/26/1976	04:30 PM	Thunderstorm	52 (27)
09/11/1978	11:00 AM	Thunderstorm	52 (27)
08/28/1990	05:30 PM	Thunderstorm	50 (26)
06/12/1991	07:05 AM	Thunderstorm	51 (26)
07/20/1992	1355 PM	Thunderstorm	55 (28)
02/22/1997	08:55 AM	High Wind	61 (31)
02/27/1997	10:30 AM	High Wind	70 (36)
03/28/1998	03:48 PM	High Wind	62 (32)
05/29/1998	12:23 PM	Thunderstorm	59 (30)
08/23/1998	09:00 PM	Thunderstorm	51 (26)
11/10/1998	05:15 PM	High Wind	54 (28)
12/12/2000	02:47 AM	High Wind	55 (28)
02/10/2001	12:14 AM	High Wind	66 (34)
05/27/2001	04:10 PM	Thunderstorm	50 (26)
05/27/2001	04:27 PM	Thunderstorm	58 (30)
07/24/2001	02:05 PM	Thunderstorm	50 (26)
08/09/2001	01:20 PM	Thunderstorm	52 (27)
08/19/2001	01:30 PM	Thunderstorm	52 (27)
08/19/2001	01:50 PM	Thunderstorm	52 (27)
08/31/2001	03:04 PM	Thunderstorm	55 (28)
10/16/2001	01:30 PM	High Wind	64 (33)
02/01/2002	11:30 AM	High Wind	63 (32)
03/09/2002	07:02 PM	High Wind	57 (29)
05/31/2002	01:30 PM	Thunderstorm	50 26)
06/26/2002	02:17 PM	Thunderstorm	60 (31)
06/26/2002	02:45 PM	Thunderstorm	55 (28)
06/26/2002	03:20 PM	Thunderstorm	50 (26)
06/27/2002	01:22 PM	Thunderstorm	50 (26)
06/27/2002	01:30 PM	Thunderstorm	51 (26)
06/27/2002	02:40 PM	Thunderstorm	54 (28)
06/27/2002	12:58 PM	Thunderstorm	50 (26)
07/22/2002	05:20 PM	Thunderstorm	50 (26)
07/29/2002	08:40 PM	Thunderstorm	50 (26)
07/29/2002	08:56 PM	Thunderstorm	50 (26)
08/16/2002	07:07 PM	Thunderstorm	68 (35)
09/03/2002	04:00 PM	Thunderstorm	50 (26)
10/04/2002	08:00 PM	High Wind	51 (26)
05/11/2003	03:45 PM	Thunderstorm	50 (26)
07/04/2003	10:52 PM	Thunderstorm	50 (26)
07/24/2003	09:40 AM	Thunderstorm	52 (27)
08/03/2003	04:07 PM	Thunderstorm	55 (28)
08/03/2003	04:15 PM	Thunderstorm	55 (28)
08/05/2003	03:35 PM	Thunderstorm	50 (26)
08/29/2003	03:41 PM	Thunderstorm	50 (26)
08/29/2003	03:58 PM	Thunderstorm	52 (27)
08/29/2003	04:05 PM	Thunderstorm	50 (26)

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Table 2.3-6—{Fifty Knots or Greater High Wind Events in Oswego County, New York}
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Date	Time	Type	Wind Speed Knots (mps)
10/15/2003	07:00 AM	High Wind	65 (33)
11/13/2003	02:36 AM	High Wind	57 (29)
05/24/2004	02:49 PM	Thunderstorm	50 (26)
08/10/2004	06:10 PM	Thunderstorm	50 (26)
06/28/2005	07:57 PM	Thunderstorm	50 (26)
07/13/2005	04:15 AM	Thunderstorm	50 (26)
07/26/2005	06:49 PM	Thunderstorm	50 (26)
08/01/2005	06:00 PM	Thunderstorm	50 (26)
09/29/2005	06:40 AM	Thunderstorm	50 (26)
09/29/2005	07:10 AM	Thunderstorm	50 (26)
11/06/2005	04:56 PM	Thunderstorm	50 (26)
02/17/2006	06:14 AM	High Wind	70 (36)
06/19/2006	11:40 AM	Thunderstorm	50 (26)
07/03/2006	03:05 PM	Thunderstorm	50 (26)
07/10/2006	03:52 PM	Thunderstorm	50 (26)
07/25/2006	06:30 PM	Thunderstorm	50 (26)
07/29/2006	02:10 PM	Thunderstorm	50 (26)
08/02/2006	02:25 PM	Thunderstorm	50 (26)
11/16/2006	04:57 PM	Thunderstorm	50 (26)
12/01/2006	07:10 PM	High Wind	50 (26)

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Table 2.3-7—{Winds Greater than 75 mph and Less than 124 mph in Oswego County, New York}

5 THUNDERSTORM & HIGH WINDS event(s) were reported in Oswego County, New York between 01/01/1997 and 08/31/2007.			
Date	**Time**	**Type**	**Wind Speed**
02/27/1997	10:30 AM	High Wind	70 kts.
02/10/2001	12:14 AM	High Wind	66 kts.
08/16/2002	07:07 PM	Tstm Wind	68 kts.
10/15/2003	07:00 AM	High Wind	65 kts.
02/17/2006	06:14 AM	High Wind	70 kts.

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Table 2.3-8—{Hail Events in Oswego County, New York}

Location or COUNTY	Date	Time	Type	Size
Oswego	07/24/1975	1315	Hail	0.75 in.
Oswego	06/16/1976	1245	Hail	0.75 in.
Oswego	09/11/1978	1100	Hail	1.75 in.
Oswego	06/16/1983	1300	Hail	1.75 in.
Oswego	08/06/1984	1730	Hail	1.75 in.
Oswego	08/07/1986	1215	Hail	1.00 in.
Oswego	06/24/1992	1220	Hail	1.75 in.
Redfield	05/15/1993	1635	Hail	1.00 in.
Oswego	08/24/1993	1420	Hail	1.75 in.
Pennelville	05/26/1994	1300	Hail	1.00 in.
Bernhards Bay	05/26/1994	1320	Hail	0.75 in.
Minetto	07/25/1994	1415	Hail	1.00 in.
Central Square	07/25/1996	05:40 PM	Hail	1.75 in.
Fulton	08/24/1998	05:45 PM	Hail	1.00 in.
Hannibal	08/24/1998	06:05 PM	Hail	1.50 in.
Oswego	03/09/2000	12:45 PM	Hail	0.75 in.
Volney	05/10/2000	08:23 AM	Hail	0.88 in.
Oswego	04/29/2004	05:00 AM	Hail	0.75 in.
Parish	04/29/2004	05:40 AM	Hail	1.00 in.
Altmar	07/01/2004	04:30 PM	Hail	1.00 in.
Cleveland	08/29/2004	12:15 PM	Hail	1.75 in.
Phoenix	07/25/2006	06:46 PM	Hail	0.88 in.
22 HAIL event(s) were reported in Oswego County, New York				

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Table 2.3-9—{Ice Storm Events in Oswego County, New York}

Location or County	Start Date/Time	End Date/Time	Ice Thickness
NYZ001>008 - 010>014 - 019>021	03/14/1997 03:00 AM	03/14/1997 10:00 AM	Not provided
NYZ006 - 019>021	12/22/1997 06:00 PM	12/22/1997 10:00 PM	0.5 inch
NYZ001>008 - 010>014 - 019>021	01/02/1999 07:25 PM	01/03/1999 08:00 AM	Not provided
NYZ001>008 - 010>014 - 019>021	01/15/1999 07:10 AM	01/15/1999 11:00 AM	Not provided
NYZ001>006 - 011 - 013>014	04/04/2003 08:17 AM	04/05/2003 02:00 AM	Up to an inch accumulation measured
NYZ006>008 - 012	01/14/2007 10:00 PM	01/15/2007 01:00 PM	0.5 inch

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Table 2.3-10—{Snow Storm Events in Oswego County, New York}

(Page 1 of 5)

Location or County	Date	Time	Snow Amount
NYZ006>013 - 018>020	02/12/1993	0700	5 to 18 inches (127 to 457 mm)
NYZ006 - 008>012 - 018>020	02/16/1993	0700	5 to 15 inches (127 to 381 mm)
NYZ006>009 - 018	04/22/1993	0730	12 to 24 inches (305 to 610 mm)
NYZ006 - 008 - 015 - 016	12/21/1993	2000	Not provided
NYZ006	12/22/1993	1900	6 to 12 inches (152 to 305 mm)
NYZ006 - 008 - 019 - 020	12/26/1993	1200	Not provided
NYZ006	12/29/1993	1800	Not provided
NYZ006 - 010 - 019	12/30/1993	0800	Not provided
NYZ004>007 - 013 - 015>019 - 021	01/04/1994	1800	Not provided
NYZ006	01/08/1994	2200	6 to 24 inches (152 to 610 mm)
NYZ006	01/19/1994	1200	Not provided
NYZ006	01/22/1994	1030	Over 6 inches (152 mm)
NYZ006	02/01/1994	2200	6 to 8 inches (152 to 203 mm)
NYZ006	02/24/1994	1200	6 to 10 inches (152 to 254 mm)
NYZ006	02/25/1994	0800	7 inches (178 mm)
Oswego	11/23/1994	1400	6 to 8 inches (512 to 203 mm)
NYZ006	01/04/1995	1600	Not provided
NYZ006	02/06/1995	2100	Not provided
NYZ006	02/25/1995	0500	12 to 14 inches (305 to 356 mm)
NYZ006 - 008	11/04/1995	1400	10 to 14 inches (254 to 356 mm)
NYZ006	11/08/1995	1945	Not provided
NYZ006	11/12/1995	1200	5 to 7 inches (127 to 178 mm)
NYZ006	11/16/1995	2000	Up to 24 inches (610 mm)
NYZ006	11/22/1995	1445	7 to 14 inches (178 to 356 mm)
NYZ006	01/04/1996	08:00 AM	16 to 24 inches (406 to 610 mm)
NYZ006	01/20/1996	01:20 AM	10 inches (254 mm)
NYZ006	01/28/1996	05:00 AM	7 inches (178 mm)
NYZ006	01/31/1996	07:20 AM	14 inches (356 mm)
NYZ005>006	02/06/1996	08:00 AM	6 to 15 inches (152 to 381 mm)
NYZ006 - 008	02/18/1996	07:40 AM	7 to 14 inches (178 to 356 mm)

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Table 2.3-10—{Snow Storm Events in Oswego County, New York}
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Location or County	Date	Time	Snow Amount
NYZ006>008	03/04/1996	09:00 AM	6 to 10 inches (152 to 254 mm)
NYZ006>008	11/01/1996	09:00 PM	6 to 9 inches (152 to 229 mm)
NYZ005>008	11/11/1996	05:25 AM	12 to 25 inches (305 to 635 mm)
NYZ006>008	12/19/1996	09:00 PM	12 to 24 inches (305 to 610 mm)
NYZ006>008	12/25/1996	10:30 PM	Up to 18 inches (457 mm)
NYZ005>008	01/06/1997	03:00 AM	7 to 30 inches (178 to 762 mm)
NYZ006>008	01/10/1997	08:00 PM	28 to 95 inches (711 to 2413 mm)
NYZ006>008	01/16/1997	07:00 PM	10 to 24 inches (254 to 610 mm)
NYZ006>008	01/24/1997	11:00 PM	7 to 11 inches (178 to 279 mm)
NYZ006	01/27/1997	08:00 PM	7 inches (178 mm)
NYZ006	02/24/1997	02:00 AM	8 to 12 inches (203 to 305 mm)
NYZ004>006	03/06/1997	02:05 AM	5 to 7 inches (127 to 178 mm)
NYZ001>008 - 010>014 - 019>021	03/14/1997	03:00 AM	Several inches (Tens of mm)
NYZ006 - 006	03/15/1997	07:20 PM	6 to 8 inches (152 to 203 mm)
NYZ001>008 - 010>014 - 019>021	11/14/1997	07:30 AM	6 to 12 inches (152 to 305 mm)
NYZ006 - 010 - 019>020	11/24/1997	09:00 AM	6 to 12 inches (152 to 305 mm)
NYZ006 - 006 - 008 - 008	12/06/1997	07:15 AM	Up to 20 inches (508 mm)
NYZ006 - 019>021	12/22/1997	06:00 PM	Several inches (Tens of mm)
NYZ003>008 - 012>014 - 020>021	12/30/1997	06:00 AM	Up to 18 inches (457 mm)
NYZ003>006 - 019	12/31/1997	07:15 AM	8 to 10 inches (203 to 254 mm)
NYZ006>008	02/24/1998	09:10 PM	8 to 16 inches (203 to 406 mm)
NYZ001>008 - 010>014 - 019>021	03/21/1998	09:50 AM	8 to 16 inches (203 to 406 mm)
NYZ006 - 008	11/21/1998	01:00 PM	8 to 10 inches (203 to 254 mm)
NYZ004>006 - 006 - 006 - 006>007 - 007 - 007>008 - 008 - 008 - 010>012 - 019>020	12/22/1998	12:00 PM	18 to 24 inches (457 to 610 mm)
NYZ006>008 - 010 - 012 - 019>020	01/01/1999	04:00 AM	9 to 24 inches (229 to 610 mm)
NYZ001>008 - 010>014 - 019>021	01/02/1999	07:25 PM	Several inches (Tens of mm)

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Table 2.3-10—{Snow Storm Events in Oswego County, New York}
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Location or County	Date	Time	Snow Amount
NYZ001>002 - 006>008 - 010 - 010 - 010 - 010>012 - 012 - 019>020	01/04/1999	05:15 AM	12 to 18 inches (305 to 457 mm)
NYZ001 - 005>007 - 007>008 - 008 - 019	01/06/1999	07:00 PM	7 to 11 inches (178 to 279 mm)
NYZ001>008 - 010>011	01/09/1999	09:00 AM	6 to 10 inches (152 to 254 mm)
NYZ006>007 - 010 - 019>020	01/11/1999	01:00 AM	10 inches (254 mm)
NYZ001>008 - 010>014 - 019>021	01/15/1999	07:10 AM	6 to 9 inches (152 to 229 mm)
NYZ006 - 008	01/15/1999	11:00 PM	8 to 11 inches (203 to 279 mm)
NYZ002>006 - 010>014 - 019>021	03/04/1999	06:40 AM	13 inches (330 mm)
NYZ001>008 - 010>014 - 019>021	03/06/1999	01:00 PM	10 inches (254 mm)
NYZ006>008 - 012 - 019>020	03/22/1999	04:40 PM	9 inches (229 mm)
NYZ006 - 006>007 - 010 - 019>020 - 020	12/22/1999	05:10 PM	10 inches (254 mm)
NYZ002>006 - 020	12/26/1999	10:48 PM	6 to 10 inches (152 to 254 mm)
NYZ003>006 - 019	01/20/2000	07:02 PM	7 to 9 inches (178 to 229 mm)
NYZ003 - 003>004 - 004>006 - 008 - 014	01/26/2000	06:30 AM	8 to 12 inches (203 to 305 mm)
NYZ003>004 - 006 - 008 - 010	02/01/2000	03:00 AM	6 to 10 inches (152 to 254 mm)
NYZ001>008 - 010>014 - 019>021	02/14/2000	06:05 PM	4 to 8 inches (102 to 203 mm)
NYZ006 - 008	02/20/2000	09:30 PM	6 to 17 inches (152 to 432 mm)
NYZ001>002 - 004>008 - 008 - 010>013 - 019>021	11/20/2000	10:00 AM	12 to 24 inches (305 to 610 mm)
NYZ006 - 010 - 012 - 019>020	12/18/2000	06:15 AM	7 to 14 inches (178 to 356 mm)
NYZ004 - 006>008 - 010 - 019>020	12/22/2000	12:45 PM	16 inches (406 mm)
NYZ004>006 - 008 - 008 - 019>020	12/24/2000	01:15 PM	15 to 36 inches (381 to 914 mm)
NYZ001>003 - 003>006 - 008 - 010 - 019>020	12/31/2000	07:00 AM	11 to 14 inches (279 to 356 mm)
NYZ004 - 006 - 008	01/09/2001	09:10 PM	6 to 10 inches (152 to 254 mm)
NYZ005>006	03/01/2001	06:00 AM	12 to 18 inches (305 to 457 mm)
NYZ003>006 - 008 - 010>012 - 014 - 019>021	03/04/2001	11:53 PM	15 to 19 inches (381 to 483 mm)
NYZ006 - 008	03/09/2001	12:00 PM	6 to 10 inches (152 to 254 mm)
NYZ006>008	12/27/2001	04:30 PM	12 to 38 inches (305 to 965 mm)

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Table 2.3-10—{Snow Storm Events in Oswego County, New York}
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Location or County	Date	Time	Snow Amount
NYZ006>008	01/18/2002	12:55 AM	8 to 10 inches (203 to 254 mm)
NYZ005>008	01/31/2002	12:45 PM	3 to 5 inches (76 to 127 mm)
NYZ003>004 - 006 - 010 - 019>020	02/04/2002	04:00 PM	7.5 to 10 inches (191 to 254 mm)
NYZ005>006 - 008 - 010 - 019>020	03/04/2002	06:40 AM	7 to 14 inches (178 to 356 mm)
NYZ006 - 010 - 012 - 019>020	03/10/2002	10:00 AM	6 to 10 inches (152 to 254 mm)
NYZ005>006 - 008 - 019>020	03/22/2002	11:30 AM	12 to 24 inches (305 to 610 mm)
NYZ006 - 008	11/01/2002	10:15 AM	7 inches (178 mm)
NYZ006>008 - 019>020	11/28/2002	06:05 PM	10 to 20 inches (254 to 508 mm)
NYZ001>002 - 006>008 - 010>012 - 019>020	12/01/2002	07:00 AM	9 to 12 inches (229 to 305 mm)
NYZ006>008	12/06/2002	12:30 PM	7 to 12 inches (178 to 305 mm)
NYZ006	01/03/2003	07:45 PM	4 to 6 inches (102 to 152 mm)
NYZ006>008 - 010 - 012 - 019>020	01/11/2003	03:00 AM	51 inches (1295 mm)
NYZ005>006 - 006 - 008 - 010 - 019	01/15/2003	02:00 AM	17 to 24 inches (432 to 610 mm)
NYZ006	01/25/2003	07:00 AM	8 to 10 inches (203 to 254 mm)
NYZ005>006 - 006 - 006 - 008	02/05/2003	04:40 AM	9 to 15 inches (229 to 381 mm)
NYZ003 - 005>006	02/12/2003	01:00 AM	36 to 48 inches (914 to 1219 mm)
NYZ006>008	03/10/2003	04:45 AM	8 to 14 inches (203 to 356 mm)
NYZ001>006 - 011 - 013>014	04/04/2003	08:17 AM	9 to 12 inches (229 to 305 mm)
NYZ006 - 008 - 019>020	11/29/2003	07:30 AM	8 to 12 inches (203 to 305 mm)
NYZ002>008 - 011>014 - 020>021	12/14/2003	12:40 PM	13 inches (330 mm)
NYZ006 - 010 - 012 - 019>020	12/18/2003	07:10 AM	7 to 10 inches (178 to 254 mm)
NYZ006	12/19/2003	01:40 PM	11 inches (279 mm)
NYZ002>003 - 003>008 - 010 - 012 - 019 - 019>020	01/06/2004	08:30 AM	12 to 24 inches (305 to 610 mm)
NYZ005>006 - 008 - 010 - 019	01/22/2004	08:00 AM	18 to 36 inches (457 to 914 mm)
NYZ004>005 - 005>008 - 010 - 012 - 019>020	01/28/2004	07:10 AM	48 to 60 inches (1219 to 1524 mm)
NYZ006 - 008	02/03/2004	09:00 PM	8 to 10 inches (203 to 254 mm)

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Table 2.3-10—{Snow Storm Events in Oswego County, New York}
(Page 5 of 5)

Location or County	Date	Time	Snow Amount
NYZ001>006 - 010>014 - 019>021 - 085	03/16/2004	02:30 PM	8 inches (203 mm)
NYZ004>006 - 012 - 019>020 - 085	12/13/2004	08:50 AM	8 to 12 inches (203 to 305 mm)
NYZ006 - 008 - 010 - 085	12/24/2004	07:00 AM	23 inches (584 mm)
NYZ006	01/15/2005	12:00 PM	5 to 19 inches (127 to 483 mm)
NYZ001>008 - 010>014 - 019>021 - 085	01/22/2005	02:00 PM	10 to 25 inches (254 to 635 mm)
NYZ006 - 008	02/12/2005	09:55 AM	9 to 14 inches (229 to 356 mm)
NYZ005>006 - 019>020	02/18/2005	12:15 AM	8 to 10 inches (203 to 254 mm)
NYZ006	03/04/2005	05:50 PM	9 to 10 inches (229 to 254 mm)
NYZ006	03/10/2005	05:30 AM	7 to 10 inches (178 to 254 mm)
NYZ006 - 008 - 010 - 012 - 019>020 - 085	11/24/2005	01:34 PM	14 to 24 inches (356 to 610 mm)
NYZ006 - 008 - 019>020	12/02/2005	10:25 AM	7 to 20 inches (178 to 508 mm)
NYZ006 - 008	12/04/2005	09:00 PM	12 to 16 inches (305 to 406 mm)
NYZ006 - 006 - 008 - 012 - 019>020 - 085	12/06/2005	10:30 AM	12 to 17 inches (305 to 432 mm)
NYZ006	12/12/2005	01:00 AM	6 to 9 inches (152 to 229 mm)
NYZ006 - 008	12/19/2005	08:21 AM	13 to 28 inches (330 to 711 mm)
NYZ006 - 008	12/20/2005	04:43 PM	12 to 14 inches (305 to 356 mm)
NYZ006 - 012 - 019>020 - 085	01/25/2006	10:10 AM	8 to 20 inches (203 to 508 mm)
NYZ005>008 - 010>012 - 019>020 - 085	02/05/2006	07:38 AM	6 to 33 inches (152 to 838 mm)
NYZ006>008	02/14/2006	06:00 AM	8 to 14 inches (203 to 356 mm)
NYZ006>008	02/19/2006	12:00 PM	6 to 35 inches (152 to 889 mm)
NYZ006	03/15/2006	02:30 PM	Up to 8 inches (203 mm)
NYZ004>006	03/19/2006	08:45 AM	6 to 8 inches (152 to 203 mm)
NYZ006>008	02/13/2007	20:30 PM	12 to 24 inches (305 to 610 mm)
NYZ001>008 - 011>012 - 019>020 - 085	03/16/2007	16:00 PM	8 to 10 inches (203 to 254 mm)
NYZ005>008 - 013	04/15/2007	11:00 AM	7 to 15 inches (178 to 381 mm)

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Table 2.3-11—{Probable Maximum Winter Precipitation (PMWP) Values}

Duration Hours	PMWP Depth Inches	
	Jan-Feb	Dec
6	5	6
24	9	10
72	12	13

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Table 2.3-12—{Design-Basis Tornado Characteristics for NMP3NPP}

Region	Maximum Wind Speed m/s (mi/h)	Translational Speed m/s (mi/h)	Maximum Rotational Speed m/s (mi/h)	Radius of Maximum Rotational Speed m (ft)	Pressure Drop mb (psi)	Rate of Pressure Drop mb/s (psi/s)
I	103 (230)	21 (46)	82 (184)	45.7 (150)	83 (1.2)	37 (0.5)

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Table 2.3-13—{Annual Heating and Humidification Design Conditions}

Heating DB		Humidification DP/MCDB and HR						Coldest month WS/MCDB				MCWS/PCWD to 99.6% DB	
		99.6%			99%			0.4%		1%			
99.6%	99%	DP	HR	MCDB	DP	HR	MCDB	WS	MCDB	WS	MCDB	MCWS	PCWD
1.6	5.6	-5.4	4.2	3.2	-1.5	5.2	7.0	31.6	21.6	28.1	22.3	9.9	240

Notes:

Values are expressed in the units provided by ASHRAE. The following abbreviations are used in the tables:

DB Dry bulb temperature, °F
WS Wind speed, mph
MCDB Mean coincident dry bulb temperature, °F
MCWS Mean coincident wind speed, mph
DP Dew point temperature, °F
PCWD Prevailing coincident wind direction, °, 0 = North, 90 = East
HR Humidity ratio, gains of moisture per lb of dry air

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Table 2.3-14—{Annual Cooling, Dehumidification, and Enthalpy Design Conditions}

Hottest month	Hottest month DB range	Cooling DB/MCWB						Evaporation WB/MCWB						MCWS/PCWD to 0.4 DB	
		0.4%		1%		2%		0.4%		1%		2%			
		DB	MCWB	DB	MCWB	DB	MCWD	WB	MCWB	WB	MCWB	WB	MCWB	MCWS	PCWD
7	19.7	88.5	73.1	85.6	71.3	82.9	69.8	75.7	84.5	73.8	81.7	72.1	79.7	11.8	240
Dehumidification DP/MCDB and HR								Enthalpy/MCBD							
0.4%			1%			2%		0.4%		1%		2%			
DP	HR	MCDB	DP	HR	MCDB	DP	HR	MCDB	Enth	MCDB	Enth	MCDB	Enth	MCDB	
72.9	124.8	80.9	71.2	117.4	78.6	69.5	110.9	76.6	31.8	84.6	30.0	81.7	28.4	79.6	

Notes:

Values are expressed in the units provided by ASHRAE. The following abbreviations are used in the tables:

DB Dry bulb temperature, °F
MCDB Mean coincident dry bulb temperature, °F
MCWS Mean coincident wind speed, mph
DP Dew point temperature, °F
Enth Enthalpy, Btu/lb
PCWD Prevailing coincident wind direction, °, 0 = North, 90 = East
WB Wet bulb temperature, °F
HR Humidity ratio, gains of moisture per lb of dry air
MCWB Mean coincident wet bulb temperature, °F

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Table 2.3-15—{Extreme Annual Design Conditions}

Extreme Annual WS			Extreme Max WB	Extreme Annual DB				n-Year Return Period Values of Extreme DB							
				Mean		Standard deviation		n=5 years		n=10 years		n=20 years		n=50 years	
1%	2.5%	5%		Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
25.4	22.0	19.4	82.4	92.8	-5.4	2.9	6.4	94.9	-10.0	96.6	-13.7	98.2	-17.3	100.3	-22.0

Notes:

Values are expressed in the units provided by ASHRAE. The following abbreviations are used in the tables:

DB Dry bulb temperature, °F
WS Wind speed, mph
WB Wet bulb temperature, °F

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Table 2.3-16—{Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures}

%	Jan		Feb		Mar		Apr		May		Jun	
	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB
0.4%	57.5	51.3	59.1	50.6	73.4	58.0	81.2	63.8	86.3	68.7	90.1	73.1
1%	53.2	48.0	54.6	47.6	68.6	55.1	77.6	62.1	83.8	67.3	87.9	72.0
2%	49.5	44.8	51.5	45.6	63.4	53.5	73.9	59.8	81.9	66.4	86.1	71.1
%	**Jul**		**Aug**		**Sep**		**Oct**		**Nov**		**Dec**	
	DB	**MCWB**	**DB**	**MCWB**	**DB**	**MCWB**	**DB**	**MCWB**	**DB**	**MCWB**	**DB**	**MCWB**
0.4%	93.1	75.0	90.9	74.3	86.6	72.5	77.9	63.9	69.0	59.3	62.7	57.1
1%	91.1	74.7	88.8	73.8	83.9	71.1	75.3	62.6	66.5	57.3	58.6	52.7
2%	89.2	74.1	86.6	72.5	81.5	70.1	72.7	61.3	64.1	56.6	54.8	50.1

Notes:

Values are expressed in the units provided by ASHRAE. The following abbreviations are used in the tables:

DB Dry bulb temperature, °F

MCWB Mean coincident wet bulb temperature, °F

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Table 2.3-17—{Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures}

%	Jan		Feb		Mar		Apr		May		Jun	
	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB
0.4%	52.9	56.9	51.8	56.4	60.7	71.6	65.4	76.4	71.7	81.7	76.8	86.4
1%	49.5	52.7	49.2	53.7	57.2	64.5	63.6	74.9	70.5	80.0	75.3	84.0
2%	44.8	48.6	46.3	50.8	54.7	62.1	61.8	71.9	69.1	78.2	73.7	82.0
%	**Jul**		**Aug**		**Sep**		**Oct**		**Nov**		**Dec**	
	WB	**MCDB**	**WB**	**MCDB**	**WB**	**MCDB**	**WB**	**MCDB**	**WB**	**MCDB**	**WB**	**MCDB**
0.4%	78.4	87.8	77.8	87.3	74.4	81.5	66.2	73.8	61.5	66.0	57.8	63.1
1%	77.3	87.1	76.1	84.4	73.2	80.3	64.4	71.8	59.6	64.5	53.6	57.2
2%	76.2	85.6	74.9	82.4	72.0	78.5	63.1	70.3	58.1	62.8	50.6	54.6

Notes:

Values are expressed in the units provided by ASHRAE. The following abbreviations are used in the tables:

MCDB Mean coincident dry bulb temperature, °F

WB Wet bulb temperature, °F

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Table 2.3-18—{Monthly Mean Daily Temperature Range °F}

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
13.4	14.6	16.0	18.2	20.0	19.9	19.7	18.7	18.3	17.3	13.7	12.4

Notes:

Values are expressed in the units provided by ASHRAE. The following abbreviations are used in the tables:

DB	Dry bulb temperature, °F
WS	Wind speed, mph
MCDB	Mean coincident dry bulb temperature, °F
MCWS	Mean coincident wind speed, mph
StdP	Standard pressure at station elevation, psi
DP	Dew point temperature, °F
Enth	Enthalpy, Btu/lb
MCDP	Mean coincident dew point temperature, °F
PCWD	Prevailing coincident wind direction, °, 0 = North, 90 = East
WB	Wet bulb temperature, °F
HR	Humidity ratio, gains of moisture per lb of dry air
MCWB	Mean coincident wet bulb temperature, °F

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Table 2.3-19—{Zero Percent Exceedance Temperature Values}

Dry Bulb Temperature (°F)	Coincident Wet Bulb Temperature (°F)	Non-Coincident Wet Bulb Temperature (°F)
97.6	74.9	N/A
N/A	N/A	82.3

Note:

The definition of the zero percent exceedance temperature values is the highest value that can occur for consecutive hours (two or more) and can only be exceeded one hour at a time (i.e., no consecutive hourly temperature values can exceed it.)

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Table 2.3-20—{Minimum Zero Percent Exceedance Temperature Value}

Dry Bulb Tempearture (°F)
-18. 0

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Table 2.3-21—{NMPNS 30 ft (9-m) 2001-2007 Annual JFD}

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NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 8.50

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	1	0	0	0	0	0	0	0	1	0	1	1	0	0	5
(1)	.02	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02	.00	.02	.02	.00	.00	.10
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.1- 1.5	6	3	0	0	1	0	0	0	0	0	0	2	3	10	30	21	0	76
(1)	.12	.06	.00	.00	.02	.00	.00	.00	.00	.00	.00	.04	.06	.19	.58	.41	.00	1.48
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.05	.03	.00	.13
1.6- 2.0	28	13	8	1	0	2	6	3	2	4	2	6	7	38	94	96	0	310
(1)	.55	.25	.16	.02	.00	.04	.12	.06	.04	.08	.04	.12	.14	.74	1.83	1.87	.00	6.04
(2)	.05	.02	.01	.00	.00	.00	.01	.00	.00	.01	.00	.01	.01	.06	.16	.16	.00	.51
2.1- 3.0	143	75	36	7	6	12	15	15	19	9	5	152	36	118	146	146	0	940
(1)	2.79	1.46	.70	.14	.12	.23	.29	.29	.37	.18	.10	2.96	.70	2.30	2.85	2.85	.00	18.32
(2)	.24	.12	.06	.01	.01	.02	.02	.02	.03	.01	.01	.25	.06	.20	.24	.24	.00	1.56
3.1- 4.0	126	110	14	1	5	24	37	24	17	5	10	201	75	80	70	43	0	842
(1)	2.46	2.14	.27	.02	.10	.47	.72	.47	.33	.10	.19	3.92	1.46	1.56	1.36	.84	.00	16.41
(2)	.21	.18	.02	.00	.01	.04	.06	.04	.03	.01	.02	.33	.12	.13	.12	.07	.00	1.40
4.1- 5.0	112	52	14	0	0	5	14	16	6	1	5	85	53	39	63	49	0	514
(1)	2.18	1.01	.27	.00	.00	.10	.27	.31	.12	.02	.10	1.66	1.03	.76	1.23	.96	.00	10.02
(2)	.19	.09	.02	.00	.00	.01	.02	.03	.01	.00	.01	.14	.09	.06	.10	.08	.00	.85
5.1- 6.0	82	31	4	0	0	3	8	4	2	0	1	25	26	41	55	57	0	339
(1)	1.60	.60	.08	.00	.00	.06	.16	.08	.04	.00	.02	.49	.51	.80	1.07	1.11	.00	6.61
(2)	.14	.05	.01	.00	.00	.00	.01	.01	.00	.00	.00	.04	.04	.07	.09	.09	.00	.56
6.1- 8.0	115	36	6	0	0	3	5	3	0	0	3	40	48	64	177	141	0	641
(1)	2.24	.70	.12	.00	.00	.06	.10	.06	.00	.00	.06	.78	.94	1.25	3.45	2.75	.00	12.50
(2)	.19	.06	.01	.00	.00	.00	.01	.00	.00	.00	.00	.07	.08	.11	.29	.23	.00	1.06
8.1-10.0	40	7	2	0	0	0	0	0	0	0	0	36	63	125	245	80	0	598
(1)	.78	.14	.04	.00	.00	.00	.00	.00	.00	.00	.00	.70	1.23	2.44	4.78	1.56	.00	11.66
(2)	.07	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.10	.21	.41	.13	.00	.99
10.1-40.3	13	0	0	0	0	0	0	0	0	0	0	60	181	402	198	11	0	865
(1)	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.17	3.53	7.84	3.86	.21	.00	16.86
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.30	.67	.33	.02	.00	1.43
ALL SPEEDS	666	327	84	10	12	49	85	65	46	19	26	608	492	918	1079	644	0	5130
(1)	12.98	6.37	1.64	.19	.23	.96	1.66	1.27	.90	.37	.51	11.85	9.59	17.89	21.03	12.55	.00	100.00
(2)	1.10	.54	.14	.02	.02	.08	.14	.11	.08	.03	.04	1.01	.82	1.52	1.79	1.07	.00	8.50

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Table 2.3-21—{NMPNS 30 ft (9-m) 2001-2007 Annual JFD}

(Page 2 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.46

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	5
(1)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.03	.00	.15
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.1- 1.5	4	2	2	0	2	0	0	0	1	0	0	0	1	3	13	6	0	34
(1)	.12	.06	.06	.00	.06	.00	.00	.00	.03	.00	.00	.00	.03	.09	.39	.18	.00	1.03
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.00	.06
1.6- 2.0	21	6	10	6	3	2	7	5	5	6	2	7	9	12	15	21	0	137
(1)	.64	.18	.30	.18	.09	.06	.21	.15	.15	.18	.06	.21	.27	.36	.46	.64	.00	4.16
(2)	.03	.01	.02	.01	.00	.00	.01	.01	.01	.01	.00	.01	.01	.02	.02	.03	.00	.23
2.1- 3.0	49	45	28	12	6	16	32	26	21	11	7	52	40	35	27	22	0	429
(1)	1.49	1.37	.85	.36	.18	.49	.97	.79	.64	.33	.21	1.58	1.21	1.06	.82	.67	.00	13.03
(2)	.08	.07	.05	.02	.01	.03	.05	.04	.03	.02	.01	.09	.07	.06	.04	.04	.00	.71
3.1- 4.0	51	46	17	0	2	20	43	35	32	18	4	78	74	32	43	43	0	538
(1)	1.55	1.40	.52	.00	.06	.61	1.31	1.06	.97	.55	.12	2.37	2.25	.97	1.31	1.31	.00	16.34
(2)	.08	.08	.03	.00	.00	.03	.07	.06	.05	.03	.01	.13	.12	.05	.07	.07	.00	.89
4.1- 5.0	66	61	9	0	1	9	19	26	15	8	9	65	55	24	80	49	0	496
(1)	2.00	1.85	.27	.00	.03	.27	.58	.79	.46	.24	.27	1.97	1.67	.73	2.43	1.49	.00	15.06
(2)	.11	.10	.01	.00	.00	.01	.03	.04	.02	.01	.01	.11	.09	.04	.13	.08	.00	.82
5.1- 6.0	64	22	9	0	0	2	11	8	5	1	10	16	38	45	83	62	0	376
(1)	1.94	.67	.27	.00	.00	.06	.33	.24	.15	.03	.30	.49	1.15	1.37	2.52	1.88	.00	11.42
(2)	.11	.04	.01	.00	.00	.00	.02	.01	.01	.00	.02	.03	.06	.07	.14	.10	.00	.62
6.1- 8.0	36	18	18	0	0	3	7	3	6	0	4	35	90	86	185	71	0	562
(1)	1.09	.55	.55	.00	.00	.09	.21	.09	.18	.00	.12	1.06	2.73	2.61	5.62	2.16	.00	17.07
(2)	.06	.03	.03	.00	.00	.00	.01	.00	.01	.00	.01	.06	.15	.14	.31	.12	.00	.93
8.1-10.0	6	3	0	0	0	0	0	1	0	0	0	39	108	98	105	15	0	375
(1)	.18	.09	.00	.00	.00	.00	.00	.03	.00	.00	.00	1.18	3.28	2.98	3.19	.46	.00	11.39
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.18	.16	.17	.02	.00	.62
10.1-40.3	4	0	0	0	0	0	0	0	0	0	0	24	127	141	45	0	0	341
(1)	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.73	3.86	4.28	1.37	.00	.00	10.36
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.21	.23	.07	.00	.00	.57
ALL SPEEDS	303	203	93	18	14	52	119	104	85	44	36	316	542	478	596	290	0	3293
(1)	9.20	6.16	2.82	.55	.43	1.58	3.61	3.16	2.58	1.34	1.09	9.60	16.46	14.52	18.10	8.81	.00	100.00
(2)	.50	.34	.15	.03	.02	.09	.20	.17	.14	.07	.06	.52	.90	.79	.99	.48	.00	5.46

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Table 2.3-21—{NMPNS 30 ft (9-m) 2001-2007 Annual JFD}

(Page 3 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.16

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	1	0	5
(1)	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.02	.00	.02	.00	.12
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.1- 1.5	8	8	3	3	3	5	1	1	1	1	0	4	6	6	8	9	0	67
(1)	.19	.19	.07	.07	.07	.12	.02	.02	.02	.02	.00	.09	.14	.14	.19	.21	.00	1.55
(2)	.01	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.11
1.6- 2.0	15	19	26	7	17	16	6	9	1	3	5	7	11	14	14	18	0	188
(1)	.35	.44	.60	.16	.39	.37	.14	.21	.02	.07	.12	.16	.25	.32	.32	.42	.00	4.35
(2)	.02	.03	.04	.01	.03	.03	.01	.01	.00	.00	.01	.01	.02	.02	.02	.03	.00	.31
2.1- 3.0	68	76	74	16	11	41	51	41	53	32	12	70	55	40	36	26	0	702
(1)	1.57	1.76	1.71	.37	.25	.95	1.18	.95	1.23	.74	.28	1.62	1.27	.93	.83	.60	.00	16.24
(2)	.11	.13	.12	.03	.02	.07	.08	.07	.09	.05	.02	.12	.09	.07	.06	.04	.00	1.16
3.1- 4.0	49	81	49	1	3	28	70	49	70	31	23	99	100	45	71	58	0	827
(1)	1.13	1.87	1.13	.02	.07	.65	1.62	1.13	1.62	.72	.53	2.29	2.31	1.04	1.64	1.34	.00	19.13
(2)	.08	.13	.08	.00	.00	.05	.12	.08	.12	.05	.04	.16	.17	.07	.12	.10	.00	1.37
4.1- 5.0	65	70	45	0	1	17	27	35	21	24	11	58	85	41	70	55	0	625
(1)	1.50	1.62	1.04	.00	.02	.39	.62	.81	.49	.56	.25	1.34	1.97	.95	1.62	1.27	.00	14.46
(2)	.11	.12	.07	.00	.00	.03	.04	.06	.03	.04	.02	.10	.14	.07	.12	.09	.00	1.04
5.1- 6.0	33	32	36	0	0	2	12	18	13	3	6	44	75	61	88	46	0	469
(1)	.76	.74	.83	.00	.00	.05	.28	.42	.30	.07	.14	1.02	1.73	1.41	2.04	1.06	.00	10.85
(2)	.05	.05	.06	.00	.00	.00	.02	.03	.02	.00	.01	.07	.12	.10	.15	.08	.00	.78
6.1- 8.0	34	21	17	0	0	3	7	3	8	1	9	49	150	145	131	74	0	652
(1)	.79	.49	.39	.00	.00	.07	.16	.07	.19	.02	.21	1.13	3.47	3.35	3.03	1.71	.00	15.08
(2)	.06	.03	.03	.00	.00	.00	.01	.00	.01	.00	.01	.08	.25	.24	.22	.12	.00	1.08
8.1-10.0	9	4	1	0	0	0	0	1	0	0	9	38	136	109	72	12	0	391
(1)	.21	.09	.02	.00	.00	.00	.00	.02	.00	.00	.21	.88	3.15	2.52	1.67	.28	.00	9.04
(2)	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.06	.23	.18	.12	.02	.00	.65
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	68	155	152	22	0	0	397
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.57	3.59	3.52	.51	.00	.00	9.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.26	.25	.04	.00	.00	.66
ALL SPEEDS	281	311	252	27	35	112	174	157	167	95	75	438	774	614	512	299	0	4323
(1)	6.50	7.19	5.83	.62	.81	2.59	4.02	3.63	3.86	2.20	1.73	10.13	17.90	14.20	11.84	6.92	.00	100.00
(2)	.47	.52	.42	.04	.06	.19	.29	.26	.28	.16	.12	.73	1.28	1.02	.85	.50	.00	7.16

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Table 2.3-21—{NMPNS 30 ft (9-m) 2001-2007 Annual JFD}

(Page 4 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 40.46

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	3	0	0	1	1	0	2	0	0	0	0	1	0	0	8
(1)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.5- 1.0	19	15	38	57	40	30	29	11	18	13	13	12	15	26	20	17	0	373
(1)	.08	.06	.16	.23	.16	.12	.12	.05	.07	.05	.05	.05	.06	.11	.08	.07	.00	1.53
(2)	.03	.02	.06	.09	.07	.05	.05	.02	.03	.02	.02	.02	.02	.04	.03	.03	.00	.62
1.1- 1.5	57	61	129	129	129	89	104	55	44	44	26	49	47	52	64	62	0	1141
(1)	.23	.25	.53	.53	.53	.36	.43	.23	.18	.18	.11	.20	.19	.21	.26	.25	.00	4.67
(2)	.09	.10	.21	.21	.21	.15	.17	.09	.07	.07	.04	.08	.08	.09	.11	.10	.00	1.89
1.6- 2.0	96	169	237	206	157	183	167	115	100	74	71	103	85	79	76	93	0	2011
(1)	.39	.69	.97	.84	.64	.75	.68	.47	.41	.30	.29	.42	.35	.32	.31	.38	.00	8.24
(2)	.16	.28	.39	.34	.26	.30	.28	.19	.17	.12	.12	.17	.14	.13	.13	.15	.00	3.33
2.1- 3.0	262	412	546	257	292	532	627	387	459	326	190	523	267	160	206	183	0	5629
(1)	1.07	1.69	2.24	1.05	1.20	2.18	2.57	1.58	1.88	1.34	.78	2.14	1.09	.66	.84	.75	.00	23.05
(2)	.43	.68	.90	.43	.48	.88	1.04	.64	.76	.54	.31	.87	.44	.27	.34	.30	.00	9.33
3.1- 4.0	161	356	412	27	82	512	676	454	655	499	293	545	283	169	184	132	0	5440
(1)	.66	1.46	1.69	.11	.34	2.10	2.77	1.86	2.68	2.04	1.20	2.23	1.16	.69	.75	.54	.00	22.28
(2)	.27	.59	.68	.04	.14	.85	1.12	.75	1.09	.83	.49	.90	.47	.28	.30	.22	.00	9.01
4.1- 5.0	109	202	175	1	22	267	451	300	365	323	333	352	269	207	176	103	0	3655
(1)	.45	.83	.72	.00	.09	1.09	1.85	1.23	1.49	1.32	1.36	1.44	1.10	.85	.72	.42	.00	14.97
(2)	.18	.33	.29	.00	.04	.44	.75	.50	.60	.54	.55	.58	.45	.34	.29	.17	.00	6.06
5.1- 6.0	79	68	33	0	0	87	268	138	158	64	201	208	269	209	136	63	0	1981
(1)	.32	.28	.14	.00	.00	.36	1.10	.57	.65	.26	.82	.85	1.10	.86	.56	.26	.00	8.11
(2)	.13	.11	.05	.00	.00	.14	.44	.23	.26	.11	.33	.34	.45	.35	.23	.10	.00	3.28
6.1- 8.0	45	11	1	0	0	36	82	95	46	18	100	314	583	371	175	53	0	1930
(1)	.18	.05	.00	.00	.00	.15	.34	.39	.19	.07	.41	1.29	2.39	1.52	.72	.22	.00	7.90
(2)	.07	.02	.00	.00	.00	.06	.14	.16	.08	.03	.17	.52	.97	.61	.29	.09	.00	3.20
8.1-10.0	14	0	0	0	0	3	4	6	0	0	22	216	474	287	103	7	0	1136
(1)	.06	.00	.00	.00	.00	.01	.02	.02	.00	.00	.09	.88	1.94	1.18	.42	.03	.00	4.65
(2)	.02	.00	.00	.00	.00	.00	.01	.01	.00	.00	.04	.36	.79	.48	.17	.01	.00	1.88
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	170	526	371	43	1	0	1112
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.70	2.15	1.52	.18	.00	.00	4.55
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.87	.61	.07	.00	.00	1.84
ALL SPEEDS	843	1294	1572	681	722	1739	2410	1562	1845	1363	1249	2492	2818	1931	1184	714	0	24419
(1)	3.45	5.30	6.44	2.79	2.96	7.12	9.87	6.40	7.56	5.58	5.11	10.21	11.54	7.91	4.85	2.92	.00	100.00
(2)	1.40	2.14	2.60	1.13	1.20	2.88	3.99	2.59	3.06	2.26	2.07	4.13	4.67	3.20	1.96	1.18	.00	40.46

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Table 2.3-21—{NMPNS 30 ft (9-m) 2001-2007 Annual JFD}

(Page 5 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 24.57

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	4
(1)	.01	.00	.00	.00	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	0	0	3	1	0	0	1	1	1	0	0	1	0	1	1	0	10
(1)	.00	.00	.00	.02	.01	.00	.00	.01	.01	.01	.00	.00	.01	.00	.01	.01	.00	.07
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.5- 1.0	13	17	49	81	86	75	45	54	53	53	46	32	27	25	20	19	0	695
(1)	.09	.11	.33	.55	.58	.51	.30	.36	.36	.36	.31	.22	.18	.17	.13	.13	.00	4.69
(2)	.02	.03	.08	.13	.14	.12	.07	.09	.09	.09	.08	.05	.04	.04	.03	.03	.00	1.15
1.1- 1.5	50	61	112	132	208	157	167	100	93	90	111	94	55	62	43	55	0	1590
(1)	.34	.41	.76	.89	1.40	1.06	1.13	.67	.63	.61	.75	.63	.37	.42	.29	.37	.00	10.72
(2)	.08	.10	.19	.22	.34	.26	.28	.17	.15	.15	.18	.16	.09	.10	.07	.09	.00	2.63
1.6- 2.0	56	97	117	137	184	230	191	194	113	101	143	127	72	51	25	40	0	1878
(1)	.38	.65	.79	.92	1.24	1.55	1.29	1.31	.76	.68	.96	.86	.49	.34	.17	.27	.00	12.67
(2)	.09	.16	.19	.23	.30	.38	.32	.32	.19	.17	.24	.21	.12	.08	.04	.07	.00	3.11
2.1- 3.0	93	133	130	88	92	460	733	624	677	327	323	531	189	62	30	37	0	4529
(1)	.63	.90	.88	.59	.62	3.10	4.94	4.21	4.57	2.21	2.18	3.58	1.27	.42	.20	.25	.00	30.55
(2)	.15	.22	.22	.15	.15	.76	1.21	1.03	1.12	.54	.54	.88	.31	.10	.05	.06	.00	7.50
3.1- 4.0	30	36	28	5	16	165	645	647	823	272	245	439	120	26	27	29	0	3553
(1)	.20	.24	.19	.03	.11	1.11	4.35	4.36	5.55	1.83	1.65	2.96	.81	.18	.18	.20	.00	23.96
(2)	.05	.06	.05	.01	.03	.27	1.07	1.07	1.36	.45	.41	.73	.20	.04	.04	.05	.00	5.89
4.1- 5.0	18	3	11	0	2	57	230	243	304	80	142	219	65	48	27	12	0	1461
(1)	.12	.02	.07	.00	.01	.38	1.55	1.64	2.05	.54	.96	1.48	.44	.32	.18	.08	.00	9.85
(2)	.03	.00	.02	.00	.00	.09	.38	.40	.50	.13	.24	.36	.11	.08	.04	.02	.00	2.42
5.1- 6.0	6	1	1	0	0	10	76	50	48	18	55	104	74	25	11	1	0	480
(1)	.04	.01	.01	.00	.00	.07	.51	.34	.32	.12	.37	.70	.50	.17	.07	.01	.00	3.24
(2)	.01	.00	.00	.00	.00	.02	.13	.08	.08	.03	.09	.17	.12	.04	.02	.00	.00	.80
6.1- 8.0	2	0	0	0	0	2	24	30	7	2	30	101	89	36	6	1	0	330
(1)	.01	.00	.00	.00	.00	.01	.16	.20	.05	.01	.20	.68	.60	.24	.04	.01	.00	2.23
(2)	.00	.00	.00	.00	.00	.00	.04	.05	.01	.00	.05	.17	.15	.06	.01	.00	.00	.55
8.1-10.0	0	0	0	0	0	0	1	0	0	0	1	33	90	38	2	1	0	166
(1)	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.22	.61	.26	.01	.01	.00	1.12
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.15	.06	.00	.00	.00	.28
10.1-40.3	0	0	0	0	0	0	0	0	0	1	0	24	78	27	1	0	0	131
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.16	.53	.18	.01	.00	.00	.88
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.13	.04	.00	.00	.00	.22
ALL SPEEDS	269	348	448	446	590	1157	2112	1944	2119	945	1096	1704	860	400	193	196	0	14827
(1)	1.81	2.35	3.02	3.01	3.98	7.80	14.24	13.11	14.29	6.37	7.39	11.49	5.80	2.70	1.30	1.32	.00	100.00
(2)	.45	.58	.74	.74	.98	1.92	3.50	3.22	3.51	1.57	1.82	2.82	1.42	.66	.32	.32	.00	24.57

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Table 2.3-21—{NMPNS 30 ft (9-m) 2001-2007 Annual JFD}

(Page 6 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 7.48

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	3
(1)	.00	.00	.02	.00	.00	.00	.02	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.07
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	2	0	0	1	1	0	0	0	0	1	0	0	0	5
(1)	.00	.00	.00	.00	.04	.00	.00	.02	.02	.00	.00	.00	.00	.02	.00	.00	.00	.11
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.5- 1.0	8	6	14	35	47	60	100	79	40	34	25	15	9	11	8	6	0	497
(1)	.18	.13	.31	.78	1.04	1.33	2.21	1.75	.89	.75	.55	.33	.20	.24	.18	.13	.00	11.01
(2)	.01	.01	.02	.06	.08	.10	.17	.13	.07	.06	.04	.02	.01	.02	.01	.01	.00	.82
1.1- 1.5	8	17	33	29	100	136	114	114	90	57	32	32	31	29	25	23	0	870
(1)	.18	.38	.73	.64	2.21	3.01	2.52	2.52	1.99	1.26	.71	.71	.69	.64	.55	.51	.00	19.27
(2)	.01	.03	.05	.05	.17	.23	.19	.19	.15	.09	.05	.05	.05	.05	.04	.04	.00	1.44
1.6- 2.0	31	25	49	24	90	155	158	144	106	46	30	38	41	19	13	18	0	987
(1)	.69	.55	1.09	.53	1.99	3.43	3.50	3.19	2.35	1.02	.66	.84	.91	.42	.29	.40	.00	21.86
(2)	.05	.04	.08	.04	.15	.26	.26	.24	.18	.08	.05	.06	.07	.03	.02	.03	.00	1.64
2.1- 3.0	37	40	33	5	17	94	224	304	333	152	34	149	64	13	4	13	0	1516
(1)	.82	.89	.73	.11	.38	2.08	4.96	6.73	7.38	3.37	.75	3.30	1.42	.29	.09	.29	.00	33.58
(2)	.06	.07	.05	.01	.03	.16	.37	.50	.55	.25	.06	.25	.11	.02	.01	.02	.00	2.51
3.1- 4.0	16	10	3	1	0	2	26	74	180	32	12	91	24	7	8	7	0	493
(1)	.35	.22	.07	.02	.00	.04	.58	1.64	3.99	.71	.27	2.02	.53	.16	.18	.16	.00	10.92
(2)	.03	.02	.00	.00	.00	.00	.04	.12	.30	.05	.02	.15	.04	.01	.01	.01	.00	.82
4.1- 5.0	8	1	0	0	0	0	2	3	7	1	1	30	14	5	4	4	0	80
(1)	.18	.02	.00	.00	.00	.00	.04	.07	.16	.02	.02	.66	.31	.11	.09	.09	.00	1.77
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.05	.02	.01	.01	.01	.00	.13
5.1- 6.0	3	0	0	0	0	0	0	0	0	0	5	18	4	3	1	0	0	34
(1)	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.40	.09	.07	.02	.00	.00	.75
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.01	.00	.00	.00	.00	.06
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	11	10	1	0	0	0	22
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.22	.02	.00	.00	.00	.49
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00	.04
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.11	.00	.00	.00	.00	.13
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00	.04
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	111	99	133	94	256	447	625	719	757	323	139	385	204	89	63	71	0	4515
(1)	2.46	2.19	2.95	2.08	5.67	9.90	13.84	15.92	16.77	7.15	3.08	8.53	4.52	1.97	1.40	1.57	.00	100.00
(2)	.18	.16	.22	.16	.42	.74	1.04	1.19	1.25	.54	.23	.64	.34	.15	.10	.12	.00	7.48

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Table 2.3-21—{NMPNS 30 ft (9-m) 2001-2007 Annual JFD}

(Page 7 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 6.37

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	10	5	9	32	72	173	119	51	19	10	7	6	6	4	5	0	531
(1)	.08	.26	.13	.23	.83	1.87	4.50	3.10	1.33	.49	.26	.18	.16	.16	.10	.13	.00	13.81
(2)	.00	.02	.01	.01	.05	.12	.29	.20	.08	.03	.02	.01	.01	.01	.01	.01	.00	.88
1.1- 1.5	7	5	17	11	40	148	451	209	63	13	7	13	13	15	13	6	0	1031
(1)	.18	.13	.44	.29	1.04	3.85	11.73	5.44	1.64	.34	.18	.34	.34	.39	.34	.16	.00	26.82
(2)	.01	.01	.03	.02	.07	.25	.75	.35	.10	.02	.01	.02	.02	.02	.02	.01	.00	1.71
1.6- 2.0	6	9	12	12	25	138	250	218	93	10	3	12	19	12	8	11	0	838
(1)	.16	.23	.31	.31	.65	3.59	6.50	5.67	2.42	.26	.08	.31	.49	.31	.21	.29	.00	21.80
(2)	.01	.01	.02	.02	.04	.23	.41	.36	.15	.02	.00	.02	.03	.02	.01	.02	.00	1.39
2.1- 3.0	24	19	17	2	2	37	184	519	314	40	0	38	28	5	6	10	0	1245
(1)	.62	.49	.44	.05	.05	.96	4.79	13.50	8.17	1.04	.00	.99	.73	.13	.16	.26	.00	32.39
(2)	.04	.03	.03	.00	.00	.06	.30	.86	.52	.07	.00	.06	.05	.01	.01	.02	.00	2.06
3.1- 4.0	7	5	1	0	0	0	1	15	48	5	0	19	9	3	7	3	0	123
(1)	.18	.13	.03	.00	.00	.00	.03	.39	1.25	.13	.00	.49	.23	.08	.18	.08	.00	3.20
(2)	.01	.01	.00	.00	.00	.00	.00	.02	.08	.01	.00	.03	.01	.00	.01	.00	.00	.20
4.1- 5.0	5	2	0	0	0	0	0	0	0	0	0	19	9	6	8	3	0	52
(1)	.13	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.49	.23	.16	.21	.08	.00	1.35
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.01	.01	.01	.00	.00	.09
5.1- 6.0	1	0	0	0	0	0	0	0	0	0	0	3	3	8	1	0	0	16
(1)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.08	.21	.03	.00	.00	.42
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.03
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.03	.03	.00	.00	.00	.10
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	53	50	52	35	100	396	1059	1080	569	87	20	113	89	56	47	38	0	3844
(1)	1.38	1.30	1.35	.91	2.60	10.30	27.55	28.10	14.80	2.26	.52	2.94	2.32	1.46	1.22	.99	.00	100.00
(2)	.09	.08	.09	.06	.17	.66	1.75	1.79	.94	.14	.03	.19	.15	.09	.08	.06	.00	6.37

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Table 2.3-21—{NMPNS 30 ft (9-m) 2001-2007 Annual JFD}

(Page 8 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	1	0	2	1	1	1	2	1	0	1	0	0	0	0	0	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.3- .4	0	0	0	7	4	1	1	3	2	3	0	0	1	1	2	1	0	26
(1)	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
(2)	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
.5- 1.0	46	48	107	183	205	237	347	263	162	119	94	68	58	72	53	49	0	2111
(1)	.08	.08	.18	.30	.34	.39	.57	.44	.27	.20	.16	.11	.10	.12	.09	.08	.00	3.50
(2)	.08	.08	.18	.30	.34	.39	.57	.44	.27	.20	.16	.11	.10	.12	.09	.08	.00	3.50
1.1- 1.5	140	157	296	304	483	535	837	479	292	205	176	194	156	177	196	182	0	4809
(1)	.23	.26	.49	.50	.80	.89	1.39	.79	.48	.34	.29	.32	.26	.29	.32	.30	.00	7.97
(2)	.23	.26	.49	.50	.80	.89	1.39	.79	.48	.34	.29	.32	.26	.29	.32	.30	.00	7.97
1.6- 2.0	253	338	459	393	476	726	785	688	420	244	256	300	244	225	245	297	0	6349
(1)	.42	.56	.76	.65	.79	1.20	1.30	1.14	.70	.40	.42	.50	.40	.37	.41	.49	.00	10.52
(2)	.42	.56	.76	.65	.79	1.20	1.30	1.14	.70	.40	.42	.50	.40	.37	.41	.49	.00	10.52
2.1- 3.0	676	800	864	387	426	1192	1866	1916	1876	897	571	1515	679	433	455	437	0	14990
(1)	1.12	1.33	1.43	.64	.71	1.98	3.09	3.17	3.11	1.49	.95	2.51	1.13	.72	.75	.72	.00	24.84
(2)	1.12	1.33	1.43	.64	.71	1.98	3.09	3.17	3.11	1.49	.95	2.51	1.13	.72	.75	.72	.00	24.84
3.1- 4.0	440	644	524	35	108	751	1498	1298	1825	862	587	1472	685	362	410	315	0	11816
(1)	.73	1.07	.87	.06	.18	1.24	2.48	2.15	3.02	1.43	.97	2.44	1.14	.60	.68	.52	.00	19.58
(2)	.73	1.07	.87	.06	.18	1.24	2.48	2.15	3.02	1.43	.97	2.44	1.14	.60	.68	.52	.00	19.58
4.1- 5.0	383	391	254	1	26	355	743	623	718	437	501	828	550	370	428	275	0	6883
(1)	.63	.65	.42	.00	.04	.59	1.23	1.03	1.19	.72	.83	1.37	.91	.61	.71	.46	.00	11.40
(2)	.63	.65	.42	.00	.04	.59	1.23	1.03	1.19	.72	.83	1.37	.91	.61	.71	.46	.00	11.40
5.1- 6.0	268	154	83	0	0	104	375	218	226	86	278	418	489	392	375	229	0	3695
(1)	.44	.26	.14	.00	.00	.17	.62	.36	.37	.14	.46	.69	.81	.65	.62	.38	.00	6.12
(2)	.44	.26	.14	.00	.00	.17	.62	.36	.37	.14	.46	.69	.81	.65	.62	.38	.00	6.12
6.1- 8.0	232	86	42	0	0	47	125	134	67	21	146	552	971	704	674	340	0	4141
(1)	.38	.14	.07	.00	.00	.08	.21	.22	.11	.03	.24	.91	1.61	1.17	1.12	.56	.00	6.86
(2)	.38	.14	.07	.00	.00	.08	.21	.22	.11	.03	.24	.91	1.61	1.17	1.12	.56	.00	6.86
8.1-10.0	69	14	3	0	0	3	5	8	0	0	32	363	877	657	527	115	0	2673
(1)	.11	.02	.00	.00	.00	.00	.01	.01	.00	.00	.05	.60	1.45	1.09	.87	.19	.00	4.43
(2)	.11	.02	.00	.00	.00	.00	.01	.01	.00	.00	.05	.60	1.45	1.09	.87	.19	.00	4.43
10.1-40.3	18	0	0	0	0	0	0	0	0	1	0	346	1069	1093	309	12	0	2848
(1)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	1.77	1.81	.51	.02	.00	4.72
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	1.77	1.81	.51	.02	.00	4.72
ALL SPEEDS	2526	2632	2634	1311	1729	3952	6584	5631	5588	2876	2641	6056	5779	4486	3674	2252	0	60351
(1)	4.19	4.36	4.36	2.17	2.86	6.55	10.91	9.33	9.26	4.77	4.38	10.03	9.58	7.43	6.09	3.73	.00	100.00
(2)	4.19	4.36	4.36	2.17	2.86	6.55	10.91	9.33	9.26	4.77	4.38	10.03	9.58	7.43	6.09	3.73	.00	100.00

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Table 2.3-22—{NMPNS 100 ft (30-m) 2001-2007 Annual JFD}

(Page 1 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 8.52

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	3
(1)	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.06
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.1- 1.5	0	1	0	0	1	0	0	0	0	0	0	1	0	0	7	2	0	12
(1)	.00	.02	.00	.00	.02	.00	.00	.00	.00	.00	.00	.02	.00	.00	.14	.04	.00	.24
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.02
1.6- 2.0	5	5	2	0	1	1	0	1	0	2	0	1	3	12	24	33	0	90
(1)	.10	.10	.04	.00	.02	.02	.00	.02	.00	.04	.00	.02	.06	.24	.47	.65	.00	1.77
(2)	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.04	.06	.00	.15
2.1- 3.0	61	29	26	2	1	3	13	7	5	7	2	7	20	53	80	117	0	433
(1)	1.20	.57	.51	.04	.02	.06	.26	.14	.10	.14	.04	.14	.39	1.04	1.57	2.30	.00	8.50
(2)	.10	.05	.04	.00	.00	.01	.02	.01	.01	.01	.00	.01	.03	.09	.13	.20	.00	.72
3.1- 4.0	73	70	14	2	4	10	15	11	15	8	3	36	28	64	75	80	0	508
(1)	1.43	1.37	.27	.04	.08	.20	.29	.22	.29	.16	.06	.71	.55	1.26	1.47	1.57	.00	9.97
(2)	.12	.12	.02	.00	.01	.02	.03	.02	.03	.01	.01	.06	.05	.11	.13	.13	.00	.85
4.1- 5.0	61	63	12	2	1	15	31	14	12	4	0	129	24	51	51	71	0	541
(1)	1.20	1.24	.24	.04	.02	.29	.61	.27	.24	.08	.00	2.53	.47	1.00	1.00	1.39	.00	10.62
(2)	.10	.11	.02	.00	.00	.03	.05	.02	.02	.01	.00	.22	.04	.09	.09	.12	.00	.90
5.1- 6.0	80	50	5	0	2	10	21	17	5	0	3	184	20	33	51	70	0	551
(1)	1.57	.98	.10	.00	.04	.20	.41	.33	.10	.00	.06	3.61	.39	.65	1.00	1.37	.00	10.82
(2)	.13	.08	.01	.00	.00	.02	.04	.03	.01	.00	.01	.31	.03	.06	.09	.12	.00	.92
6.1- 8.0	121	69	9	0	0	5	16	8	3	0	2	192	24	51	95	95	0	690
(1)	2.38	1.35	.18	.00	.00	.10	.31	.16	.06	.00	.04	3.77	.47	1.00	1.86	1.86	.00	13.55
(2)	.20	.12	.02	.00	.00	.01	.03	.01	.01	.00	.00	.32	.04	.09	.16	.16	.00	1.15
8.1-10.0	113	34	3	0	0	3	5	3	0	0	2	62	45	80	130	120	0	600
(1)	2.22	.67	.06	.00	.00	.06	.10	.06	.00	.00	.04	1.22	.88	1.57	2.55	2.36	.00	11.78
(2)	.19	.06	.01	.00	.00	.01	.01	.01	.00	.00	.00	.10	.08	.13	.22	.20	.00	1.00
10.1-40.3	132	48	6	0	0	0	2	0	0	0	0	129	189	476	509	175	0	1666
(1)	2.59	.94	.12	.00	.00	.00	.04	.00	.00	.00	.00	2.53	3.71	9.34	9.99	3.44	.00	32.71
(2)	.22	.08	.01	.00	.00	.00	.00	.00	.00	.00	.00	.22	.32	.80	.85	.29	.00	2.79
ALL SPEEDS	646	369	77	7	10	47	103	61	40	21	12	741	354	821	1022	763	0	5094
(1)	12.68	7.24	1.51	.14	.20	.92	2.02	1.20	.79	.41	.24	14.55	6.95	16.12	20.06	14.98	.00	100.00
(2)	1.08	.62	.13	.01	.02	.08	.17	.10	.07	.04	.02	1.24	.59	1.37	1.71	1.28	.00	8.52

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Table 2.3-22—{NMPNS 100 ft (30-m) 2001-2007 Annual JFD}

(Page 2 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.47

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	3
(1)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.09
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.03	.06	.00	.15
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.6- 2.0	8	3	6	3	2	0	0	2	4	2	1	0	3	4	3	14	0	55
(1)	.24	.09	.18	.09	.06	.00	.00	.06	.12	.06	.03	.00	.09	.12	.09	.43	.00	1.68
(2)	.01	.01	.01	.01	.00	.00	.00	.00	.01	.00	.00	.00	.01	.01	.01	.02	.00	.09
2.1- 3.0	23	34	22	8	7	8	15	17	10	9	6	10	28	27	24	18	0	266
(1)	.70	1.04	.67	.24	.21	.24	.46	.52	.31	.27	.18	.31	.86	.82	.73	.55	.00	8.13
(2)	.04	.06	.04	.01	.01	.01	.03	.03	.02	.02	.01	.02	.05	.05	.04	.03	.00	.44
3.1- 4.0	23	32	7	1	4	11	28	30	16	11	1	25	41	18	12	16	0	276
(1)	.70	.98	.21	.03	.12	.34	.86	.92	.49	.34	.03	.76	1.25	.55	.37	.49	.00	8.43
(2)	.04	.05	.01	.00	.01	.02	.05	.05	.03	.02	.00	.04	.07	.03	.02	.03	.00	.46
4.1- 5.0	30	24	9	0	1	12	29	26	18	12	2	54	53	29	20	12	0	331
(1)	.92	.73	.27	.00	.03	.37	.89	.79	.55	.37	.06	1.65	1.62	.89	.61	.37	.00	10.11
(2)	.05	.04	.02	.00	.00	.02	.05	.04	.03	.02	.00	.09	.09	.05	.03	.02	.00	.55
5.1- 6.0	37	28	9	0	1	9	22	27	16	5	6	63	35	23	47	36	0	364
(1)	1.13	.86	.27	.00	.03	.27	.67	.82	.49	.15	.18	1.92	1.07	.70	1.44	1.10	.00	11.12
(2)	.06	.05	.02	.00	.00	.02	.04	.05	.03	.01	.01	.11	.06	.04	.08	.06	.00	.61
6.1- 8.0	91	58	4	0	1	6	20	12	8	3	6	89	64	59	108	89	0	618
(1)	2.78	1.77	.12	.00	.03	.18	.61	.37	.24	.09	.18	2.72	1.96	1.80	3.30	2.72	.00	18.88
(2)	.15	.10	.01	.00	.00	.01	.03	.02	.01	.01	.01	.15	.11	.10	.18	.15	.00	1.03
8.1-10.0	52	29	7	0	0	2	8	3	3	0	4	43	102	73	141	75	0	542
(1)	1.59	.89	.21	.00	.00	.06	.24	.09	.09	.00	.12	1.31	3.12	2.23	4.31	2.29	.00	16.56
(2)	.09	.05	.01	.00	.00	.00	.01	.01	.01	.00	.01	.07	.17	.12	.24	.13	.00	.91
10.1-40.3	30	32	5	0	0	0	3	0	0	0	0	88	156	205	225	69	0	813
(1)	.92	.98	.15	.00	.00	.00	.09	.00	.00	.00	.00	2.69	4.77	6.26	6.87	2.11	.00	24.84
(2)	.05	.05	.01	.00	.00	.00	.01	.00	.00	.00	.00	.15	.26	.34	.38	.12	.00	1.36
ALL SPEEDS	295	240	69	12	16	48	125	117	75	42	26	372	483	440	582	331	0	3273
(1)	9.01	7.33	2.11	.37	.49	1.47	3.82	3.57	2.29	1.28	.79	11.37	14.76	13.44	17.78	10.11	.00	100.00
(2)	.49	.40	.12	.02	.03	.08	.21	.20	.13	.07	.04	.62	.81	.74	.97	.55	.00	5.47

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Table 2.3-22—{NMPNS 100 ft (30-m) 2001-2007 Annual JFD}

(Page 3 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.20

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.02
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	2	0	3	0	2	1	0	0	1	1	2	2	3	5	1	5	0	28
(1)	.05	.00	.07	.00	.05	.02	.00	.00	.02	.02	.05	.05	.07	.12	.02	.12	.00	.65
(2)	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.01	.00	.05
1.6- 2.0	9	9	8	3	5	6	1	3	3	1	2	4	6	6	3	9	0	78
(1)	.21	.21	.19	.07	.12	.14	.02	.07	.07	.02	.05	.09	.14	.14	.07	.21	.00	1.81
(2)	.02	.02	.01	.01	.01	.01	.00	.01	.01	.00	.00	.01	.01	.01	.01	.02	.00	.13
2.1- 3.0	30	45	55	12	14	23	20	22	30	11	8	17	30	23	19	16	0	375
(1)	.70	1.05	1.28	.28	.33	.53	.46	.51	.70	.26	.19	.39	.70	.53	.44	.37	.00	8.71
(2)	.05	.08	.09	.02	.02	.04	.03	.04	.05	.02	.01	.03	.05	.04	.03	.03	.00	.63
3.1- 4.0	27	39	41	2	6	24	40	34	43	29	6	42	60	34	28	13	0	468
(1)	.63	.91	.95	.05	.14	.56	.93	.79	1.00	.67	.14	.98	1.39	.79	.65	.30	.00	10.87
(2)	.05	.07	.07	.00	.01	.04	.07	.06	.07	.05	.01	.07	.10	.06	.05	.02	.00	.78
4.1- 5.0	33	51	25	0	2	26	53	43	51	19	9	69	61	39	36	31	0	548
(1)	.77	1.18	.58	.00	.05	.60	1.23	1.00	1.18	.44	.21	1.60	1.42	.91	.84	.72	.00	12.73
(2)	.06	.09	.04	.00	.00	.04	.09	.07	.09	.03	.02	.12	.10	.07	.06	.05	.00	.92
5.1- 6.0	46	46	21	0	0	15	29	37	17	17	16	82	81	44	38	38	0	527
(1)	1.07	1.07	.49	.00	.00	.35	.67	.86	.39	.39	.37	1.91	1.88	1.02	.88	.88	.00	12.24
(2)	.08	.08	.04	.00	.00	.03	.05	.06	.03	.03	.03	.14	.14	.07	.06	.06	.00	.88
6.1- 8.0	69	81	41	0	0	10	22	31	19	4	10	118	109	104	123	86	0	827
(1)	1.60	1.88	.95	.00	.00	.23	.51	.72	.44	.09	.23	2.74	2.53	2.42	2.86	2.00	.00	19.21
(2)	.12	.14	.07	.00	.00	.02	.04	.05	.03	.01	.02	.20	.18	.17	.21	.14	.00	1.38
8.1-10.0	37	47	19	0	0	3	11	4	2	1	9	54	130	116	112	75	0	620
(1)	.86	1.09	.44	.00	.00	.07	.26	.09	.05	.02	.21	1.25	3.02	2.70	2.60	1.74	.00	14.41
(2)	.06	.08	.03	.00	.00	.01	.02	.01	.00	.00	.02	.09	.22	.19	.19	.13	.00	1.04
10.1-40.3	42	29	4	0	0	0	0	2	0	0	4	140	207	209	138	57	0	832
(1)	.98	.67	.09	.00	.00	.00	.00	.05	.00	.00	.09	3.25	4.81	4.86	3.21	1.32	.00	19.33
(2)	.07	.05	.01	.00	.00	.00	.00	.00	.00	.00	.01	.23	.35	.35	.23	.10	.00	1.39
ALL SPEEDS	295	347	217	17	29	108	176	176	166	83	66	528	687	580	498	331	0	4304
(1)	6.85	8.06	5.04	.39	.67	2.51	4.09	4.09	3.86	1.93	1.53	12.27	15.96	13.48	11.57	7.69	.00	100.00
(2)	.49	.58	.36	.03	.05	.18	.29	.29	.28	.14	.11	.88	1.15	.97	.83	.55	.00	7.20

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Table 2.3-22—{NMPNS 100 ft (30-m) 2001-2007 Annual JFD}

(Page 4 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 40.29

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	10	7	17	25	13	9	5	5	7	10	8	4	11	13	13	6	0	163
(1)	.04	.03	.07	.10	.05	.04	.02	.02	.03	.04	.03	.02	.05	.05	.05	.02	.00	.68
(2)	.02	.01	.03	.04	.02	.02	.01	.01	.01	.02	.01	.01	.02	.02	.02	.01	.00	.27
1.1- 1.5	32	35	61	64	37	32	33	25	19	26	16	22	32	30	30	31	0	525
(1)	.13	.15	.25	.27	.15	.13	.14	.10	.08	.11	.07	.09	.13	.12	.12	.13	.00	2.18
(2)	.05	.06	.10	.11	.06	.05	.06	.04	.03	.04	.03	.04	.05	.05	.05	.05	.00	.88
1.6- 2.0	60	74	126	107	86	65	70	50	35	31	18	40	47	38	43	39	0	929
(1)	.25	.31	.52	.44	.36	.27	.29	.21	.15	.13	.07	.17	.20	.16	.18	.16	.00	3.86
(2)	.10	.12	.21	.18	.14	.11	.12	.08	.06	.05	.03	.07	.08	.06	.07	.07	.00	1.55
2.1- 3.0	112	230	335	220	168	209	267	194	209	146	84	142	181	102	86	102	0	2787
(1)	.46	.95	1.39	.91	.70	.87	1.11	.81	.87	.61	.35	.59	.75	.42	.36	.42	.00	11.57
(2)	.19	.38	.56	.37	.28	.35	.45	.32	.35	.24	.14	.24	.30	.17	.14	.17	.00	4.66
3.1- 4.0	106	206	330	108	148	312	400	325	375	302	114	255	225	117	106	88	0	3517
(1)	.44	.85	1.37	.45	.61	1.29	1.66	1.35	1.56	1.25	.47	1.06	.93	.49	.44	.37	.00	14.60
(2)	.18	.34	.55	.18	.25	.52	.67	.54	.63	.50	.19	.43	.38	.20	.18	.15	.00	5.88
4.1- 5.0	122	243	272	22	57	329	573	362	489	395	194	390	210	125	105	113	0	4001
(1)	.51	1.01	1.13	.09	.24	1.37	2.38	1.50	2.03	1.64	.81	1.62	.87	.52	.44	.47	.00	16.60
(2)	.20	.41	.45	.04	.10	.55	.96	.61	.82	.66	.32	.65	.35	.21	.18	.19	.00	6.69
5.1- 6.0	128	227	193	1	26	273	538	340	354	251	285	429	230	162	130	131	0	3698
(1)	.53	.94	.80	.00	.11	1.13	2.23	1.41	1.47	1.04	1.18	1.78	.95	.67	.54	.54	.00	15.35
(2)	.21	.38	.32	.00	.04	.46	.90	.57	.59	.42	.48	.72	.38	.27	.22	.22	.00	6.18
6.1- 8.0	174	303	132	1	7	194	527	324	255	90	320	586	467	342	273	164	0	4159
(1)	.72	1.26	.55	.00	.03	.81	2.19	1.34	1.06	.37	1.33	2.43	1.94	1.42	1.13	.68	.00	17.26
(2)	.29	.51	.22	.00	.01	.32	.88	.54	.43	.15	.53	.98	.78	.57	.46	.27	.00	6.95
8.1-10.0	115	98	13	0	0	37	172	101	32	10	109	379	431	322	208	93	0	2120
(1)	.48	.41	.05	.00	.00	.15	.71	.42	.13	.04	.45	1.57	1.79	1.34	.86	.39	.00	8.80
(2)	.19	.16	.02	.00	.00	.06	.29	.17	.05	.02	.18	.63	.72	.54	.35	.16	.00	3.54
10.1-40.3	60	23	0	0	0	7	21	19	1	0	26	565	701	538	182	53	0	2196
(1)	.25	.10	.00	.00	.00	.03	.09	.08	.00	.00	.11	2.34	2.91	2.23	.76	.22	.00	9.11
(2)	.10	.04	.00	.00	.00	.01	.04	.03	.00	.00	.04	.94	1.17	.90	.30	.09	.00	3.67
ALL SPEEDS	919	1446	1479	548	542	1467	2606	1745	1776	1261	1174	2813	2535	1790	1176	820	0	24097
(1)	3.81	6.00	6.14	2.27	2.25	6.09	10.81	7.24	7.37	5.23	4.87	11.67	10.52	7.43	4.88	3.40	.00	100.00
(2)	1.54	2.42	2.47	.92	.91	2.45	4.36	2.92	2.97	2.11	1.96	4.70	4.24	2.99	1.97	1.37	.00	40.29

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Table 2.3-22—{NMPNS 100 ft (30-m) 2001-2007 Annual JFD}

(Page 5 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 24.61

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	1	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	4
(1)	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.5- 1.0	14	18	24	20	15	10	6	2	10	13	14	16	12	9	6	11	0	200
(1)	.10	.12	.16	.14	.10	.07	.04	.01	.07	.09	.10	.11	.08	.06	.04	.07	.00	1.36
(2)	.02	.03	.04	.03	.03	.02	.01	.00	.02	.02	.02	.03	.02	.02	.01	.02	.00	.33
1.1- 1.5	29	38	54	79	48	26	22	23	31	18	32	33	39	23	30	27	0	552
(1)	.20	.26	.37	.54	.33	.18	.15	.16	.21	.12	.22	.22	.26	.16	.20	.18	.00	3.75
(2)	.05	.06	.09	.13	.08	.04	.04	.04	.05	.03	.05	.06	.07	.04	.05	.05	.00	.92
1.6- 2.0	23	40	86	134	80	43	42	42	36	33	49	62	53	35	25	39	0	822
(1)	.16	.27	.58	.91	.54	.29	.29	.29	.24	.22	.33	.42	.36	.24	.17	.26	.00	5.58
(2)	.04	.07	.14	.22	.13	.07	.07	.07	.06	.06	.08	.10	.09	.06	.04	.07	.00	1.37
2.1- 3.0	91	114	160	165	189	177	206	196	134	121	144	225	139	65	28	37	0	2191
(1)	.62	.77	1.09	1.12	1.28	1.20	1.40	1.33	.91	.82	.98	1.53	.94	.44	.19	.25	.00	14.88
(2)	.15	.19	.27	.28	.32	.30	.34	.33	.22	.20	.24	.38	.23	.11	.05	.06	.00	3.66
3.1- 4.0	55	90	70	51	69	229	383	350	346	237	204	313	110	45	20	27	0	2599
(1)	.37	.61	.48	.35	.47	1.56	2.60	2.38	2.35	1.61	1.39	2.13	.75	.31	.14	.18	.00	17.65
(2)	.09	.15	.12	.09	.12	.38	.64	.59	.58	.40	.34	.52	.18	.08	.03	.05	.00	4.35
4.1- 5.0	33	44	29	2	14	156	562	521	643	349	193	366	76	26	27	26	0	3067
(1)	.22	.30	.20	.01	.10	1.06	3.82	3.54	4.37	2.37	1.31	2.49	.52	.18	.18	.18	.00	20.83
(2)	.06	.07	.05	.00	.02	.26	.94	.87	1.07	.58	.32	.61	.13	.04	.05	.04	.00	5.13
5.1- 6.0	24	33	15	0	4	83	544	601	560	153	175	361	65	34	31	23	0	2706
(1)	.16	.22	.10	.00	.03	.56	3.69	4.08	3.80	1.04	1.19	2.45	.44	.23	.21	.16	.00	18.38
(2)	.04	.06	.03	.00	.01	.14	.91	1.00	.94	.26	.29	.60	.11	.06	.05	.04	.00	4.52
6.1- 8.0	50	37	7	0	2	34	309	303	205	30	139	399	112	55	30	30	0	1742
(1)	.34	.25	.05	.00	.01	.23	2.10	2.06	1.39	.20	.94	2.71	.76	.37	.20	.20	.00	11.83
(2)	.08	.06	.01	.00	.00	.06	.52	.51	.34	.05	.23	.67	.19	.09	.05	.05	.00	2.91
8.1-10.0	18	10	0	0	0	2	48	40	11	1	30	187	66	41	23	8	0	485
(1)	.12	.07	.00	.00	.00	.01	.33	.27	.07	.01	.20	1.27	.45	.28	.16	.05	.00	3.29
(2)	.03	.02	.00	.00	.00	.00	.08	.07	.02	.00	.05	.31	.11	.07	.04	.01	.00	.81
10.1-40.3	2	1	0	0	0	0	8	4	0	1	10	119	143	54	10	2	0	354
(1)	.01	.01	.00	.00	.00	.00	.05	.03	.00	.01	.07	.81	.97	.37	.07	.01	.00	2.40
(2)	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.02	.20	.24	.09	.02	.00	.00	.59
ALL SPEEDS	340	426	445	451	421	760	2130	2082	1976	956	990	2081	815	389	231	230	0	14723
(1)	2.31	2.89	3.02	3.06	2.86	5.16	14.47	14.14	13.42	6.49	6.72	14.13	5.54	2.64	1.57	1.56	.00	100.00
(2)	.57	.71	.74	.75	.70	1.27	3.56	3.48	3.30	1.60	1.66	3.48	1.36	.65	.39	.38	.00	24.61

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Table 2.3-22—{NMPNS 100 ft (30-m) 2001-2007 Annual JFD}

(Page 6 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 7.50

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	1	2	0	1	1	0	3	0	1	0	0	0	0	1	0	0	0	10
(1)	.02	.04	.00	.02	.02	.00	.07	.00	.02	.00	.00	.00	.00	.02	.00	.00	.00	.22
(2)	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.5- 1.0	8	12	17	10	11	5	5	10	7	9	13	6	6	4	6	9	0	138
(1)	.18	.27	.38	.22	.25	.11	.11	.22	.16	.20	.29	.13	.13	.09	.13	.20	.00	3.08
(2)	.01	.02	.03	.02	.02	.01	.01	.02	.01	.02	.02	.01	.01	.01	.01	.02	.00	.23
1.1- 1.5	12	10	29	29	28	15	16	12	16	23	23	14	12	9	9	3	0	260
(1)	.27	.22	.65	.65	.62	.33	.36	.27	.36	.51	.51	.31	.27	.20	.20	.07	.00	5.80
(2)	.02	.02	.05	.05	.05	.03	.03	.02	.03	.04	.04	.02	.02	.02	.02	.01	.00	.43
1.6- 2.0	16	12	30	30	32	20	24	21	25	33	42	27	29	20	18	10	0	389
(1)	.36	.27	.67	.67	.71	.45	.53	.47	.56	.74	.94	.60	.65	.45	.40	.22	.00	8.67
(2)	.03	.02	.05	.05	.05	.03	.04	.04	.04	.06	.07	.05	.05	.03	.03	.02	.00	.65
2.1- 3.0	29	29	41	41	122	100	76	81	78	85	87	91	68	20	17	14	0	979
(1)	.65	.65	.91	.91	2.72	2.23	1.69	1.81	1.74	1.89	1.94	2.03	1.52	.45	.38	.31	.00	21.82
(2)	.05	.05	.07	.07	.20	.17	.13	.14	.13	.14	.15	.15	.11	.03	.03	.02	.00	1.64
3.1- 4.0	27	26	25	3	48	109	136	147	122	115	81	90	44	9	6	13	0	1001
(1)	.60	.58	.56	.07	1.07	2.43	3.03	3.28	2.72	2.56	1.81	2.01	.98	.20	.13	.29	.00	22.31
(2)	.05	.04	.04	.01	.08	.18	.23	.25	.20	.19	.14	.15	.07	.02	.01	.02	.00	1.67
4.1- 5.0	10	22	6	1	4	40	136	229	170	185	61	89	33	6	4	10	0	1006
(1)	.22	.49	.13	.02	.09	.89	3.03	5.10	3.79	4.12	1.36	1.98	.74	.13	.09	.22	.00	22.43
(2)	.02	.04	.01	.00	.01	.07	.23	.38	.28	.31	.10	.15	.06	.01	.01	.02	.00	1.68
5.1- 6.0	21	8	1	0	0	9	48	96	125	58	14	61	15	11	3	9	0	479
(1)	.47	.18	.02	.00	.00	.20	1.07	2.14	2.79	1.29	.31	1.36	.33	.25	.07	.20	.00	10.68
(2)	.04	.01	.00	.00	.00	.02	.08	.16	.21	.10	.02	.10	.03	.02	.01	.02	.00	.80
6.1- 8.0	18	14	0	0	0	0	4	2	5	0	5	55	19	4	8	15	0	149
(1)	.40	.31	.00	.00	.00	.00	.09	.04	.11	.00	.11	1.23	.42	.09	.18	.33	.00	3.32
(2)	.03	.02	.00	.00	.00	.00	.01	.00	.01	.00	.01	.09	.03	.01	.01	.03	.00	.25
8.1-10.0	9	2	0	0	0	0	0	0	0	0	4	20	12	1	1	6	0	55
(1)	.20	.04	.00	.00	.00	.00	.00	.00	.00	.00	.09	.45	.27	.02	.02	.13	.00	1.23
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.02	.00	.00	.01	.00	.09
10.1-40.3	2	0	0	0	0	0	0	0	0	0	0	10	6	0	2	0	0	20
(1)	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.13	.00	.04	.00	.00	.45
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00	.03
ALL SPEEDS	153	137	149	115	246	298	448	598	549	508	330	463	244	85	74	89	0	4486
(1)	3.41	3.05	3.32	2.56	5.48	6.64	9.99	13.33	12.24	11.32	7.36	10.32	5.44	1.89	1.65	1.98	.00	100.00
(2)	.26	.23	.25	.19	.41	.50	.75	1.00	.92	.85	.55	.77	.41	.14	.12	.15	.00	7.50

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Table 2.3-22—{NMPNS 100 ft (30-m) 2001-2007 Annual JFD}

(Page 7 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 6.41

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	1	0	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	5
(1)	.03	.00	.00	.03	.00	.03	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.13
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	1	0	3	1	0	0	1	0	2	1	0	2	0	0	0	0	11
(1)	.00	.03	.00	.08	.03	.00	.00	.03	.00	.05	.03	.00	.05	.00	.00	.00	.00	.29
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.5- 1.0	7	10	14	30	23	19	9	19	12	13	23	11	9	10	7	4	0	220
(1)	.18	.26	.36	.78	.60	.50	.23	.50	.31	.34	.60	.29	.23	.26	.18	.10	.00	5.73
(2)	.01	.02	.02	.05	.04	.03	.02	.03	.02	.02	.04	.02	.02	.02	.01	.01	.00	.37
1.1- 1.5	10	11	18	35	31	25	17	17	20	33	29	24	17	10	9	7	0	313
(1)	.26	.29	.47	.91	.81	.65	.44	.44	.52	.86	.76	.63	.44	.26	.23	.18	.00	8.16
(2)	.02	.02	.03	.06	.05	.04	.03	.03	.03	.06	.05	.04	.03	.02	.02	.01	.00	.52
1.6- 2.0	7	9	7	36	41	31	34	36	36	39	31	32	15	12	5	5	0	376
(1)	.18	.23	.18	.94	1.07	.81	.89	.94	.94	1.02	.81	.83	.39	.31	.13	.13	.00	9.80
(2)	.01	.02	.01	.06	.07	.05	.06	.06	.06	.07	.05	.05	.03	.02	.01	.01	.00	.63
2.1- 3.0	11	11	6	12	87	96	78	106	120	133	72	46	29	9	10	7	0	833
(1)	.29	.29	.16	.31	2.27	2.50	2.03	2.76	3.13	3.47	1.88	1.20	.76	.23	.26	.18	.00	21.71
(2)	.02	.02	.01	.02	.15	.16	.13	.18	.20	.22	.12	.08	.05	.02	.02	.01	.00	1.39
3.1- 4.0	11	10	7	3	22	123	106	130	163	133	36	37	17	4	3	4	0	809
(1)	.29	.26	.18	.08	.57	3.21	2.76	3.39	4.25	3.47	.94	.96	.44	.10	.08	.10	.00	21.08
(2)	.02	.02	.01	.01	.04	.21	.18	.22	.27	.22	.06	.06	.03	.01	.01	.01	.00	1.35
4.1- 5.0	11	14	7	1	0	37	128	251	224	155	10	17	8	7	0	6	0	876
(1)	.29	.36	.18	.03	.00	.96	3.34	6.54	5.84	4.04	.26	.44	.21	.18	.00	.16	.00	22.83
(2)	.02	.02	.01	.00	.00	.06	.21	.42	.37	.26	.02	.03	.01	.01	.00	.01	.00	1.46
5.1- 6.0	13	12	2	0	0	1	12	58	87	45	1	22	5	3	6	4	0	271
(1)	.34	.31	.05	.00	.00	.03	.31	1.51	2.27	1.17	.03	.57	.13	.08	.16	.10	.00	7.06
(2)	.02	.02	.00	.00	.00	.00	.02	.10	.15	.08	.00	.04	.01	.01	.01	.01	.00	.45
6.1- 8.0	14	8	0	0	0	0	0	0	0	1	0	17	7	6	11	11	0	75
(1)	.36	.21	.00	.00	.00	.00	.00	.00	.00	.03	.00	.44	.18	.16	.29	.29	.00	1.95
(2)	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.01	.01	.02	.02	.00	.13
8.1-10.0	9	1	0	0	0	0	0	0	0	0	0	11	3	1	7	5	0	37
(1)	.23	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.08	.03	.18	.13	.00	.96
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.00	.01	.01	.00	.06
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	2	1	2	5	1	0	11
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.03	.05	.13	.03	.00	.29
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.02
ALL SPEEDS	94	87	61	121	205	333	384	618	662	554	205	219	113	64	63	54	0	3837
(1)	2.45	2.27	1.59	3.15	5.34	8.68	10.01	16.11	17.25	14.44	5.34	5.71	2.95	1.67	1.64	1.41	.00	100.00
(2)	.16	.15	.10	.20	.34	.56	.64	1.03	1.11	.93	.34	.37	.19	.11	.11	.09	.00	6.41

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Table 2.3-22—{NMPNS 100 ft (30-m) 2001-2007 Annual JFD}

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NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	1	0	0	1	0	1	0	0	0	0	2	1	0	1	1	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	2	4	0	4	2	0	3	1	1	2	1	0	2	3	0	0	0	25
(1)	.00	.01	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.04
(2)	.00	.01	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.04
.5- 1.0	40	47	72	86	62	43	25	36	36	45	58	37	39	38	33	31	0	728
(1)	.07	.08	.12	.14	.10	.07	.04	.06	.06	.08	.10	.06	.07	.06	.06	.05	.00	1.22
(2)	.07	.08	.12	.14	.10	.07	.04	.06	.06	.08	.10	.06	.07	.06	.06	.05	.00	1.22
1.1- 1.5	85	95	165	207	147	99	88	77	87	101	102	96	104	78	87	77	0	1695
(1)	.14	.16	.28	.35	.25	.17	.15	.13	.15	.17	.17	.16	.17	.13	.15	.13	.00	2.83
(2)	.14	.16	.28	.35	.25	.17	.15	.13	.15	.17	.17	.16	.17	.13	.15	.13	.00	2.83
1.6- 2.0	128	152	265	313	247	166	171	155	139	141	143	166	156	127	121	149	0	2739
(1)	.21	.25	.44	.52	.41	.28	.29	.26	.23	.24	.24	.28	.26	.21	.20	.25	.00	4.58
(2)	.21	.25	.44	.52	.41	.28	.29	.26	.23	.24	.24	.28	.26	.21	.20	.25	.00	4.58
2.1- 3.0	357	492	645	460	588	616	675	623	586	512	403	538	495	299	264	311	0	7864
(1)	.60	.82	1.08	.77	.98	1.03	1.13	1.04	.98	.86	.67	.90	.83	.50	.44	.52	.00	13.15
(2)	.60	.82	1.08	.77	.98	1.03	1.13	1.04	.98	.86	.67	.90	.83	.50	.44	.52	.00	13.15
3.1- 4.0	322	473	494	170	301	818	1108	1027	1080	835	445	798	525	291	250	241	0	9178
(1)	.54	.79	.83	.28	.50	1.37	1.85	1.72	1.81	1.40	.74	1.33	.88	.49	.42	.40	.00	15.34
(2)	.54	.79	.83	.28	.50	1.37	1.85	1.72	1.81	1.40	.74	1.33	.88	.49	.42	.40	.00	15.34
4.1- 5.0	300	461	360	28	79	615	1512	1446	1607	1119	469	1114	465	283	243	269	0	10370
(1)	.50	.77	.60	.05	.13	1.03	2.53	2.42	2.69	1.87	.78	1.86	.78	.47	.41	.45	.00	17.34
(2)	.50	.77	.60	.05	.13	1.03	2.53	2.42	2.69	1.87	.78	1.86	.78	.47	.41	.45	.00	17.34
5.1- 6.0	349	404	246	1	33	400	1214	1176	1164	529	500	1202	451	310	306	311	0	8596
(1)	.58	.68	.41	.00	.06	.67	2.03	1.97	1.95	.88	.84	2.01	.75	.52	.51	.52	.00	14.37
(2)	.58	.68	.41	.00	.06	.67	2.03	1.97	1.95	.88	.84	2.01	.75	.52	.51	.52	.00	14.37
6.1- 8.0	537	570	193	1	10	249	898	680	495	128	482	1456	802	621	648	490	0	8260
(1)	.90	.95	.32	.00	.02	.42	1.50	1.14	.83	.21	.81	2.43	1.34	1.04	1.08	.82	.00	13.81
(2)	.90	.95	.32	.00	.02	.42	1.50	1.14	.83	.21	.81	2.43	1.34	1.04	1.08	.82	.00	13.81
8.1-10.0	353	221	42	0	0	47	244	151	48	12	158	756	789	634	622	382	0	4459
(1)	.59	.37	.07	.00	.00	.08	.41	.25	.08	.02	.26	1.26	1.32	1.06	1.04	.64	.00	7.45
(2)	.59	.37	.07	.00	.00	.08	.41	.25	.08	.02	.26	1.26	1.32	1.06	1.04	.64	.00	7.45
10.1-40.3	268	133	15	0	0	7	34	25	1	1	40	1053	1403	1484	1071	357	0	5892
(1)	.45	.22	.03	.00	.00	.01	.06	.04	.00	.00	.07	1.76	2.35	2.48	1.79	.60	.00	9.85
(2)	.45	.22	.03	.00	.00	.01	.06	.04	.00	.00	.07	1.76	2.35	2.48	1.79	.60	.00	9.85
ALL SPEEDS	2742	3052	2497	1271	1469	3061	5972	5397	5244	3425	2803	7217	5231	4169	3646	2618	0	59814
(1)	4.58	5.10	4.17	2.12	2.46	5.12	9.98	9.02	8.77	5.73	4.69	12.07	8.75	6.97	6.10	4.38	.00	100.00
(2)	4.58	5.10	4.17	2.12	2.46	5.12	9.98	9.02	8.77	5.73	4.69	12.07	8.75	6.97	6.10	4.38	.00	100.00

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Table 2.3-23—{NMPNS 200 ft (61-m) 2001-2007 Annual JFD}

(Page 1 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 8.55

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.02	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	2	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.06	.04	.00	.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.02
1.6- 2.0	9	2	2	0	2	0	0	1	0	2	1	1	2	9	19	21	0	71
(1)	.18	.04	.04	.00	.04	.00	.00	.02	.00	.04	.02	.02	.04	.18	.37	.41	.00	1.38
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03	.04	.00	.12
2.1- 3.0	56	17	6	1	1	2	9	5	5	2	1	4	19	55	73	98	0	354
(1)	1.09	.33	.12	.02	.02	.04	.18	.10	.10	.04	.02	.08	.37	1.07	1.42	1.91	.00	6.90
(2)	.09	.03	.01	.00	.00	.00	.02	.01	.01	.00	.00	.01	.03	.09	.12	.16	.00	.59
3.1- 4.0	62	39	18	0	1	2	6	8	5	6	4	16	37	57	69	80	0	410
(1)	1.21	.76	.35	.00	.02	.04	.12	.16	.10	.12	.08	.31	.72	1.11	1.35	1.56	.00	7.99
(2)	.10	.07	.03	.00	.00	.00	.01	.01	.01	.01	.01	.03	.06	.10	.12	.13	.00	.68
4.1- 5.0	53	43	10	0	1	8	16	11	13	4	2	83	22	45	60	65	0	436
(1)	1.03	.84	.19	.00	.02	.16	.31	.21	.25	.08	.04	1.62	.43	.88	1.17	1.27	.00	8.50
(2)	.09	.07	.02	.00	.00	.01	.03	.02	.02	.01	.00	.14	.04	.08	.10	.11	.00	.73
5.1- 6.0	73	50	3	1	0	10	25	11	9	4	2	139	26	34	57	75	0	519
(1)	1.42	.97	.06	.02	.00	.19	.49	.21	.18	.08	.04	2.71	.51	.66	1.11	1.46	.00	10.12
(2)	.12	.08	.01	.00	.00	.02	.04	.02	.02	.01	.00	.23	.04	.06	.10	.13	.00	.87
6.1- 8.0	118	83	7	3	3	10	29	24	11	0	3	235	25	53	80	108	0	792
(1)	2.30	1.62	.14	.06	.06	.19	.57	.47	.21	.00	.06	4.58	.49	1.03	1.56	2.11	.00	15.44
(2)	.20	.14	.01	.01	.01	.02	.05	.04	.02	.00	.01	.39	.04	.09	.13	.18	.00	1.32
8.1-10.0	127	62	6	0	1	1	12	5	0	0	0	95	35	72	122	124	0	662
(1)	2.48	1.21	.12	.00	.02	.02	.23	.10	.00	.00	.00	1.85	.68	1.40	2.38	2.42	.00	12.91
(2)	.21	.10	.01	.00	.00	.00	.02	.01	.00	.00	.00	.16	.06	.12	.20	.21	.00	1.10
10.1-40.3	154	94	4	0	0	1	9	3	2	0	2	153	231	510	525	186	0	1874
(1)	3.00	1.83	.08	.00	.00	.02	.18	.06	.04	.00	.04	2.98	4.50	9.94	10.24	3.63	.00	36.54
(2)	.26	.16	.01	.00	.00	.00	.02	.01	.00	.00	.00	.26	.39	.85	.88	.31	.00	3.12
ALL SPEEDS	652	391	56	6	9	34	106	68	45	18	15	726	397	839	1008	759	0	5129
(1)	12.71	7.62	1.09	.12	.18	.66	2.07	1.33	.88	.35	.29	14.15	7.74	16.36	19.65	14.80	.00	100.00
(2)	1.09	.65	.09	.01	.02	.06	.18	.11	.08	.03	.03	1.21	.66	1.40	1.68	1.27	.00	8.55

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Table 2.3-23—{NMPNS 200 ft (61-m) 2001-2007 Annual JFD}

(Page 2 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.47

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	2	0	5
(1)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03	.06	.00	.15
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.6- 2.0	5	1	2	1	1	1	1	0	2	2	0	2	2	3	4	8	0	35
(1)	.15	.03	.06	.03	.03	.03	.03	.00	.06	.06	.00	.06	.06	.09	.12	.24	.00	1.07
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.06
2.1- 3.0	21	28	8	4	3	2	8	14	8	8	5	6	17	25	23	20	0	200
(1)	.64	.85	.24	.12	.09	.06	.24	.43	.24	.24	.15	.18	.52	.76	.70	.61	.00	6.10
(2)	.04	.05	.01	.01	.01	.00	.01	.02	.01	.01	.01	.01	.03	.04	.04	.03	.00	.33
3.1- 4.0	21	27	12	4	2	6	17	20	15	3	2	14	37	24	15	12	0	231
(1)	.64	.82	.37	.12	.06	.18	.52	.61	.46	.09	.06	.43	1.13	.73	.46	.37	.00	7.04
(2)	.04	.05	.02	.01	.00	.01	.03	.03	.03	.01	.00	.02	.06	.04	.03	.02	.00	.39
4.1- 5.0	21	20	4	1	3	8	21	22	11	11	0	36	53	27	20	18	0	276
(1)	.64	.61	.12	.03	.09	.24	.64	.67	.34	.34	.00	1.10	1.62	.82	.61	.55	.00	8.41
(2)	.04	.03	.01	.00	.01	.01	.04	.04	.02	.02	.00	.06	.09	.05	.03	.03	.00	.46
5.1- 6.0	31	20	7	0	2	7	22	22	19	12	2	46	44	21	41	31	0	327
(1)	.94	.61	.21	.00	.06	.21	.67	.67	.58	.37	.06	1.40	1.34	.64	1.25	.94	.00	9.97
(2)	.05	.03	.01	.00	.00	.01	.04	.04	.03	.02	.00	.08	.07	.04	.07	.05	.00	.55
6.1- 8.0	92	48	7	0	1	8	32	31	18	8	5	96	63	63	95	83	0	650
(1)	2.80	1.46	.21	.00	.03	.24	.98	.94	.55	.24	.15	2.93	1.92	1.92	2.90	2.53	.00	19.81
(2)	.15	.08	.01	.00	.00	.01	.05	.05	.03	.01	.01	.16	.11	.11	.16	.14	.00	1.08
8.1-10.0	59	45	0	0	0	4	17	7	7	0	9	61	75	73	136	70	0	563
(1)	1.80	1.37	.00	.00	.00	.12	.52	.21	.21	.00	.27	1.86	2.29	2.22	4.15	2.13	.00	17.16
(2)	.10	.08	.00	.00	.00	.01	.03	.01	.01	.00	.02	.10	.13	.12	.23	.12	.00	.94
10.1-40.3	47	68	4	0	0	1	11	5	3	0	1	102	210	217	246	78	0	993
(1)	1.43	2.07	.12	.00	.00	.03	.34	.15	.09	.00	.03	3.11	6.40	6.61	7.50	2.38	.00	30.27
(2)	.08	.11	.01	.00	.00	.00	.02	.01	.01	.00	.00	.17	.35	.36	.41	.13	.00	1.66
ALL SPEEDS	297	258	44	10	12	37	129	121	83	45	24	363	502	453	581	322	0	3281
(1)	9.05	7.86	1.34	.30	.37	1.13	3.93	3.69	2.53	1.37	.73	11.06	15.30	13.81	17.71	9.81	.00	100.00
(2)	.50	.43	.07	.02	.02	.06	.22	.20	.14	.08	.04	.61	.84	.76	.97	.54	.00	5.47

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Table 2.3-23—{NMPNS 200 ft (61-m) 2001-2007 Annual JFD}

(Page 3 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.16

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	0	0	1	0	0	0	0	0	1	1	2	3	1	2	3	0	15
(1)	.02	.00	.00	.02	.00	.00	.00	.00	.00	.02	.02	.05	.07	.02	.05	.07	.00	.35
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.00	.03
1.6- 2.0	5	8	1	0	2	3	2	2	3	1	4	2	4	7	3	6	0	53
(1)	.12	.19	.02	.00	.05	.07	.05	.05	.07	.02	.09	.05	.09	.16	.07	.14	.00	1.23
(2)	.01	.01	.00	.00	.00	.01	.00	.00	.01	.00	.01	.00	.01	.01	.01	.01	.00	.09
2.1- 3.0	24	34	32	10	10	13	13	13	19	5	7	6	29	22	21	12	0	270
(1)	.56	.79	.75	.23	.23	.30	.30	.30	.44	.12	.16	.14	.68	.51	.49	.28	.00	6.29
(2)	.04	.06	.05	.02	.02	.02	.02	.02	.03	.01	.01	.01	.05	.04	.04	.02	.00	.45
3.1- 4.0	23	28	32	8	3	20	22	19	34	11	13	24	56	29	21	16	0	359
(1)	.54	.65	.75	.19	.07	.47	.51	.44	.79	.26	.30	.56	1.30	.68	.49	.37	.00	8.36
(2)	.04	.05	.05	.01	.01	.03	.04	.03	.06	.02	.02	.04	.09	.05	.04	.03	.00	.60
4.1- 5.0	25	34	19	1	2	12	35	24	36	22	3	47	56	41	34	24	0	415
(1)	.58	.79	.44	.02	.05	.28	.81	.56	.84	.51	.07	1.09	1.30	.95	.79	.56	.00	9.66
(2)	.04	.06	.03	.00	.00	.02	.06	.04	.06	.04	.01	.08	.09	.07	.06	.04	.00	.69
5.1- 6.0	42	37	17	0	6	12	43	41	41	22	8	59	84	41	44	27	0	524
(1)	.98	.86	.40	.00	.14	.28	1.00	.95	.95	.51	.19	1.37	1.96	.95	1.02	.63	.00	12.20
(2)	.07	.06	.03	.00	.01	.02	.07	.07	.07	.04	.01	.10	.14	.07	.07	.05	.00	.87
6.1- 8.0	75	87	20	0	1	17	42	50	28	21	21	122	126	92	118	84	0	904
(1)	1.75	2.03	.47	.00	.02	.40	.98	1.16	.65	.49	.49	2.84	2.93	2.14	2.75	1.96	.00	21.05
(2)	.13	.15	.03	.00	.00	.03	.07	.08	.05	.04	.04	.20	.21	.15	.20	.14	.00	1.51
8.1-10.0	46	66	18	0	0	4	19	19	15	1	9	62	131	117	105	74	0	686
(1)	1.07	1.54	.42	.00	.00	.09	.44	.44	.35	.02	.21	1.44	3.05	2.72	2.44	1.72	.00	15.97
(2)	.08	.11	.03	.00	.00	.01	.03	.03	.03	.00	.02	.10	.22	.20	.18	.12	.00	1.14
10.1-40.3	61	96	20	0	0	1	13	8	6	0	9	157	254	229	149	66	0	1069
(1)	1.42	2.24	.47	.00	.00	.02	.30	.19	.14	.00	.21	3.66	5.91	5.33	3.47	1.54	.00	24.89
(2)	.10	.16	.03	.00	.00	.00	.02	.01	.01	.00	.02	.26	.42	.38	.25	.11	.00	1.78
ALL SPEEDS	302	390	159	20	24	82	189	176	182	84	75	481	743	579	497	312	0	4295
(1)	7.03	9.08	3.70	.47	.56	1.91	4.40	4.10	4.24	1.96	1.75	11.20	17.30	13.48	11.57	7.26	.00	100.00
(2)	.50	.65	.27	.03	.04	.14	.32	.29	.30	.14	.13	.80	1.24	.97	.83	.52	.00	7.16

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Table 2.3-23—{NMPNS 200 ft (61-m) 2001-2007 Annual JFD}

(Page 4 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 40.37

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	7	14	3	6	6	5	5	2	2	7	4	8	8	8	8	5	0	98
(1)	.03	.06	.01	.02	.02	.02	.02	.01	.01	.03	.02	.03	.03	.03	.03	.02	.00	.40
(2)	.01	.02	.01	.01	.01	.01	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.00	.16
1.1- 1.5	24	23	32	24	19	20	13	13	11	15	13	18	17	26	20	24	0	312
(1)	.10	.09	.13	.10	.08	.08	.05	.05	.05	.06	.05	.07	.07	.11	.08	.10	.00	1.29
(2)	.04	.04	.05	.04	.03	.03	.02	.02	.02	.03	.02	.03	.03	.04	.03	.04	.00	.52
1.6- 2.0	42	54	60	41	35	35	42	33	12	16	16	23	37	31	31	51	0	559
(1)	.17	.22	.25	.17	.14	.14	.17	.14	.05	.07	.07	.09	.15	.13	.13	.21	.00	2.31
(2)	.07	.09	.10	.07	.06	.06	.07	.06	.02	.03	.03	.04	.06	.05	.05	.09	.00	.93
2.1- 3.0	98	162	189	126	110	113	131	117	112	81	58	101	155	98	82	96	0	1829
(1)	.40	.67	.78	.52	.45	.47	.54	.48	.46	.33	.24	.42	.64	.40	.34	.40	.00	7.55
(2)	.16	.27	.32	.21	.18	.19	.22	.20	.19	.14	.10	.17	.26	.16	.14	.16	.00	3.05
3.1- 4.0	93	163	215	105	86	132	194	162	171	139	66	152	246	129	103	80	0	2236
(1)	.38	.67	.89	.43	.36	.54	.80	.67	.71	.57	.27	.63	1.02	.53	.43	.33	.00	9.23
(2)	.16	.27	.36	.18	.14	.22	.32	.27	.29	.23	.11	.25	.41	.22	.17	.13	.00	3.73
4.1- 5.0	111	190	231	75	82	187	257	225	256	253	108	240	242	115	124	106	0	2802
(1)	.46	.78	.95	.31	.34	.77	1.06	.93	1.06	1.04	.45	.99	1.00	.47	.51	.44	.00	11.57
(2)	.19	.32	.39	.13	.14	.31	.43	.38	.43	.42	.18	.40	.40	.19	.21	.18	.00	4.67
5.1- 6.0	130	203	198	33	74	245	437	269	344	321	194	294	254	152	121	120	0	3389
(1)	.54	.84	.82	.14	.31	1.01	1.80	1.11	1.42	1.33	.80	1.21	1.05	.63	.50	.50	.00	13.99
(2)	.22	.34	.33	.06	.12	.41	.73	.45	.57	.54	.32	.49	.42	.25	.20	.20	.00	5.65
6.1- 8.0	204	375	226	17	38	340	850	498	592	437	466	618	476	323	270	178	0	5908
(1)	.84	1.55	.93	.07	.16	1.40	3.51	2.06	2.44	1.80	1.92	2.55	1.97	1.33	1.11	.73	.00	24.39
(2)	.34	.63	.38	.03	.06	.57	1.42	.83	.99	.73	.78	1.03	.79	.54	.45	.30	.00	9.85
8.1-10.0	121	299	97	0	15	123	439	318	239	57	203	459	453	312	223	110	0	3468
(1)	.50	1.23	.40	.00	.06	.51	1.81	1.31	.99	.24	.84	1.89	1.87	1.29	.92	.45	.00	14.32
(2)	.20	.50	.16	.00	.03	.21	.73	.53	.40	.10	.34	.77	.76	.52	.37	.18	.00	5.78
10.1-40.3	123	205	46	1	1	37	260	162	61	5	89	764	954	641	207	64	0	3620
(1)	.51	.85	.19	.00	.00	.15	1.07	.67	.25	.02	.37	3.15	3.94	2.65	.85	.26	.00	14.95
(2)	.21	.34	.08	.00	.00	.06	.43	.27	.10	.01	.15	1.27	1.59	1.07	.35	.11	.00	6.03
ALL SPEEDS	953	1688	1297	428	466	1237	2628	1799	1800	1331	1217	2677	2842	1835	1190	834	0	24222
(1)	3.93	6.97	5.35	1.77	1.92	5.11	10.85	7.43	7.43	5.50	5.02	11.05	11.73	7.58	4.91	3.44	.00	100.00
(2)	1.59	2.81	2.16	.71	.78	2.06	4.38	3.00	3.00	2.22	2.03	4.46	4.74	3.06	1.98	1.39	.00	40.37

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Table 2.3-23—{NMPNS 200 ft (61-m) 2001-2007 Annual JFD}

(Page 5 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 24.56

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	9	11	9	6	6	8	8	4	10	7	8	10	4	5	6	3	0	114
(1)	.06	.07	.06	.04	.04	.05	.05	.03	.07	.05	.05	.07	.03	.03	.04	.02	.00	.77
(2)	.02	.02	.02	.01	.01	.01	.01	.01	.02	.01	.01	.02	.01	.01	.01	.01	.00	.19
1.1- 1.5	23	23	31	21	18	8	18	11	6	16	20	24	24	26	12	14	0	295
(1)	.16	.16	.21	.14	.12	.05	.12	.07	.04	.11	.14	.16	.16	.18	.08	.10	.00	2.00
(2)	.04	.04	.05	.04	.03	.01	.03	.02	.01	.03	.03	.04	.04	.04	.02	.02	.00	.49
1.6- 2.0	28	25	48	58	27	19	14	14	15	15	24	44	26	26	25	10	0	418
(1)	.19	.17	.33	.39	.18	.13	.10	.10	.10	.10	.16	.30	.18	.18	.17	.07	.00	2.84
(2)	.05	.04	.08	.10	.05	.03	.02	.02	.03	.03	.04	.07	.04	.04	.04	.02	.00	.70
2.1- 3.0	70	68	120	139	86	67	39	68	50	38	87	128	123	90	42	50	0	1265
(1)	.48	.46	.81	.94	.58	.45	.26	.46	.34	.26	.59	.87	.83	.61	.29	.34	.00	8.58
(2)	.12	.11	.20	.23	.14	.11	.07	.11	.08	.06	.15	.21	.21	.15	.07	.08	.00	2.11
3.1- 4.0	50	54	109	120	110	87	102	100	72	72	126	174	136	53	40	26	0	1431
(1)	.34	.37	.74	.81	.75	.59	.69	.68	.49	.49	.86	1.18	.92	.36	.27	.18	.00	9.71
(2)	.08	.09	.18	.20	.18	.15	.17	.17	.12	.12	.21	.29	.23	.09	.07	.04	.00	2.39
4.1- 5.0	47	63	54	47	69	108	188	145	147	132	128	259	155	40	29	25	0	1636
(1)	.32	.43	.37	.32	.47	.73	1.28	.98	1.00	.90	.87	1.76	1.05	.27	.20	.17	.00	11.10
(2)	.08	.11	.09	.08	.12	.18	.31	.24	.25	.22	.21	.43	.26	.07	.05	.04	.00	2.73
5.1- 6.0	32	43	41	24	34	109	301	257	297	252	190	291	122	36	17	23	0	2069
(1)	.22	.29	.28	.16	.23	.74	2.04	1.74	2.02	1.71	1.29	1.97	.83	.24	.12	.16	.00	14.04
(2)	.05	.07	.07	.04	.06	.18	.50	.43	.50	.42	.32	.49	.20	.06	.03	.04	.00	3.45
6.1- 8.0	60	83	26	4	15	137	750	841	902	551	295	487	183	62	57	42	0	4495
(1)	.41	.56	.18	.03	.10	.93	5.09	5.71	6.12	3.74	2.00	3.30	1.24	.42	.39	.29	.00	30.50
(2)	.10	.14	.04	.01	.03	.23	1.25	1.40	1.50	.92	.49	.81	.31	.10	.10	.07	.00	7.49
8.1-10.0	43	38	11	0	0	24	311	545	412	79	93	282	139	56	37	19	0	2089
(1)	.29	.26	.07	.00	.00	.16	2.11	3.70	2.80	.54	.63	1.91	.94	.38	.25	.13	.00	14.18
(2)	.07	.06	.02	.00	.00	.04	.52	.91	.69	.13	.16	.47	.23	.09	.06	.03	.00	3.48
10.1-40.3	34	57	3	0	0	2	77	100	17	5	29	271	226	80	13	9	0	923
(1)	.23	.39	.02	.00	.00	.01	.52	.68	.12	.03	.20	1.84	1.53	.54	.09	.06	.00	6.26
(2)	.06	.10	.01	.00	.00	.00	.13	.17	.03	.01	.05	.45	.38	.13	.02	.02	.00	1.54
ALL SPEEDS	396	465	452	419	365	569	1809	2085	1928	1167	1000	1970	1138	474	278	221	0	14736
(1)	2.69	3.16	3.07	2.84	2.48	3.86	12.28	14.15	13.08	7.92	6.79	13.37	7.72	3.22	1.89	1.50	.00	100.00
(2)	.66	.78	.75	.70	.61	.95	3.02	3.48	3.21	1.95	1.67	3.28	1.90	.79	.46	.37	.00	24.56

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Table 2.3-23—{NMPNS 200 ft (61-m) 2001-2007 Annual JFD}

(Page 6 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 7.50

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.02	.00	.00	.00	.04
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	8	7	2	10	9	3	3	3	6	0	5	5	7	9	4	5	0	86
(1)	.18	.16	.04	.22	.20	.07	.07	.07	.13	.00	.11	.11	.16	.20	.09	.11	.00	1.91
(2)	.01	.01	.00	.02	.02	.01	.01	.01	.01	.00	.01	.01	.01	.02	.01	.01	.00	.14
1.1- 1.5	11	12	13	20	9	10	4	10	7	8	16	13	20	6	9	8	0	176
(1)	.24	.27	.29	.44	.20	.22	.09	.22	.16	.18	.36	.29	.44	.13	.20	.18	.00	3.91
(2)	.02	.02	.02	.03	.02	.02	.01	.02	.01	.01	.03	.02	.03	.01	.02	.01	.00	.29
1.6- 2.0	10	15	19	13	11	15	7	20	12	17	14	21	15	9	15	5	0	218
(1)	.22	.33	.42	.29	.24	.33	.16	.44	.27	.38	.31	.47	.33	.20	.33	.11	.00	4.85
(2)	.02	.03	.03	.02	.02	.03	.01	.03	.02	.03	.02	.04	.03	.02	.03	.01	.00	.36
2.1- 3.0	16	21	32	48	47	27	24	34	30	33	71	79	58	39	23	15	0	597
(1)	.36	.47	.71	1.07	1.05	.60	.53	.76	.67	.73	1.58	1.76	1.29	.87	.51	.33	.00	13.28
(2)	.03	.04	.05	.08	.08	.05	.04	.06	.05	.06	.12	.13	.10	.07	.04	.03	.00	1.00
3.1- 4.0	12	20	32	42	68	34	26	40	32	45	85	105	50	24	11	13	0	639
(1)	.27	.44	.71	.93	1.51	.76	.58	.89	.71	1.00	1.89	2.33	1.11	.53	.24	.29	.00	14.21
(2)	.02	.03	.05	.07	.11	.06	.04	.07	.05	.08	.14	.18	.08	.04	.02	.02	.00	1.07
4.1- 5.0	20	10	17	23	30	48	40	45	40	43	80	111	51	16	8	14	0	596
(1)	.44	.22	.38	.51	.67	1.07	.89	1.00	.89	.96	1.78	2.47	1.13	.36	.18	.31	.00	13.25
(2)	.03	.02	.03	.04	.05	.08	.07	.08	.07	.07	.13	.19	.09	.03	.01	.02	.00	.99
5.1- 6.0	23	14	7	1	26	51	51	64	61	64	99	79	35	8	8	7	0	598
(1)	.51	.31	.16	.02	.58	1.13	1.13	1.42	1.36	1.42	2.20	1.76	.78	.18	.18	.16	.00	13.30
(2)	.04	.02	.01	.00	.04	.09	.09	.11	.10	.11	.17	.13	.06	.01	.01	.01	.00	1.00
6.1- 8.0	24	26	6	0	9	50	139	239	208	210	145	75	45	15	2	10	0	1203
(1)	.53	.58	.13	.00	.20	1.11	3.09	5.31	4.63	4.67	3.22	1.67	1.00	.33	.04	.22	.00	26.75
(2)	.04	.04	.01	.00	.02	.08	.23	.40	.35	.35	.24	.13	.08	.03	.00	.02	.00	2.01
8.1-10.0	18	25	2	0	0	2	21	42	35	36	5	21	30	4	0	16	0	257
(1)	.40	.56	.04	.00	.00	.04	.47	.93	.78	.80	.11	.47	.67	.09	.00	.36	.00	5.71
(2)	.03	.04	.00	.00	.00	.00	.04	.07	.06	.06	.01	.04	.05	.01	.00	.03	.00	.43
10.1-40.3	26	19	1	0	0	0	0	0	0	0	5	35	23	7	4	3	0	123
(1)	.58	.42	.02	.00	.00	.00	.00	.00	.00	.00	.11	.78	.51	.16	.09	.07	.00	2.74
(2)	.04	.03	.00	.00	.00	.00	.00	.00	.00	.00	.01	.06	.04	.01	.01	.01	.00	.21
ALL SPEEDS	168	169	131	157	210	241	315	497	431	456	525	545	334	138	84	96	0	4497
(1)	3.74	3.76	2.91	3.49	4.67	5.36	7.00	11.05	9.58	10.14	11.67	12.12	7.43	3.07	1.87	2.13	.00	100.00
(2)	.28	.28	.22	.26	.35	.40	.53	.83	.72	.76	.88	.91	.56	.23	.14	.16	.00	7.50

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Table 2.3-23—{NMPNS 200 ft (61-m) 2001-2007 Annual JFD}

(Page 7 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 6.39

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.00	.00	.00	.00	.05
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	1	2	0	0	0	1	0	1	0	0	1	0	0	0	6
(1)	.00	.00	.00	.03	.05	.00	.00	.00	.03	.00	.03	.00	.00	.03	.00	.00	.00	.16
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.5- 1.0	8	9	13	12	13	10	6	11	7	17	5	8	4	6	9	6	0	144
(1)	.21	.23	.34	.31	.34	.26	.16	.29	.18	.44	.13	.21	.10	.16	.23	.16	.00	3.76
(2)	.01	.02	.02	.02	.02	.02	.01	.02	.01	.03	.01	.01	.01	.01	.02	.01	.00	.24
1.1- 1.5	9	17	23	18	18	17	13	25	22	28	24	19	17	9	7	9	0	275
(1)	.23	.44	.60	.47	.47	.44	.34	.65	.57	.73	.63	.50	.44	.23	.18	.23	.00	7.17
(2)	.02	.03	.04	.03	.03	.03	.02	.04	.04	.05	.04	.03	.03	.02	.01	.02	.00	.46
1.6- 2.0	13	13	30	25	28	23	13	18	22	21	32	29	30	14	10	13	0	334
(1)	.34	.34	.78	.65	.73	.60	.34	.47	.57	.55	.83	.76	.78	.37	.26	.34	.00	8.71
(2)	.02	.02	.05	.04	.05	.04	.02	.03	.04	.04	.05	.05	.05	.02	.02	.02	.00	.56
2.1- 3.0	22	23	28	59	65	39	37	47	38	71	101	75	43	26	13	9	0	696
(1)	.57	.60	.73	1.54	1.70	1.02	.97	1.23	.99	1.85	2.63	1.96	1.12	.68	.34	.23	.00	18.15
(2)	.04	.04	.05	.10	.11	.07	.06	.08	.06	.12	.17	.13	.07	.04	.02	.02	.00	1.16
3.1- 4.0	5	8	8	20	40	36	54	60	57	80	108	100	22	8	10	8	0	624
(1)	.13	.21	.21	.52	1.04	.94	1.41	1.56	1.49	2.09	2.82	2.61	.57	.21	.26	.21	.00	16.28
(2)	.01	.01	.01	.03	.07	.06	.09	.10	.10	.13	.18	.17	.04	.01	.02	.01	.00	1.04
4.1- 5.0	7	4	2	13	28	44	49	61	64	55	110	75	14	5	4	3	0	538
(1)	.18	.10	.05	.34	.73	1.15	1.28	1.59	1.67	1.43	2.87	1.96	.37	.13	.10	.08	.00	14.03
(2)	.01	.01	.00	.02	.05	.07	.08	.10	.11	.09	.18	.13	.02	.01	.01	.01	.00	.90
5.1- 6.0	2	5	3	0	6	29	49	69	70	59	93	45	7	5	3	5	0	450
(1)	.05	.13	.08	.00	.16	.76	1.28	1.80	1.83	1.54	2.43	1.17	.18	.13	.08	.13	.00	11.74
(2)	.00	.01	.01	.00	.01	.05	.08	.12	.12	.10	.16	.08	.01	.01	.01	.01	.00	.75
6.1- 8.0	9	14	7	0	3	27	76	108	146	77	68	29	7	7	4	7	0	589
(1)	.23	.37	.18	.00	.08	.70	1.98	2.82	3.81	2.01	1.77	.76	.18	.18	.10	.18	.00	15.36
(2)	.02	.02	.01	.00	.01	.05	.13	.18	.24	.13	.11	.05	.01	.01	.01	.01	.00	.98
8.1-10.0	17	21	3	0	0	1	4	4	8	3	2	5	5	6	10	11	0	100
(1)	.44	.55	.08	.00	.00	.03	.10	.10	.21	.08	.05	.13	.13	.16	.26	.29	.00	2.61
(2)	.03	.04	.01	.00	.00	.00	.01	.01	.01	.01	.00	.01	.01	.01	.02	.02	.00	.17
10.1-40.3	20	16	0	0	0	0	0	0	0	0	0	11	14	2	10	3	0	76
(1)	.52	.42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.37	.05	.26	.08	.00	1.98
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.02	.01	.00	.13
ALL SPEEDS	112	130	117	148	203	226	301	403	435	412	544	396	164	89	80	74	0	3834
(1)	2.92	3.39	3.05	3.86	5.29	5.89	7.85	10.51	11.35	10.75	14.19	10.33	4.28	2.32	2.09	1.93	.00	100.00
(2)	.19	.22	.20	.25	.34	.38	.50	.67	.73	.69	.91	.66	.27	.15	.13	.12	.00	6.39

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Table 2.3-23—{NMPNS 200 ft (61-m) 2001-2007 Annual JFD}

(Page 8 of 8)

NMP JAN01-DEC07 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	0	0	1	2	0	1	0	1	0	1	1	0	2	1	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.5- 1.0	32	42	27	35	34	26	22	20	25	31	22	31	24	28	27	19	0	445
(1)	.05	.07	.05	.06	.06	.04	.04	.03	.04	.05	.04	.05	.04	.05	.05	.03	.00	.74
(2)	.05	.07	.05	.06	.06	.04	.04	.03	.04	.05	.04	.05	.04	.05	.05	.03	.00	.74
1.1- 1.5	68	76	99	84	64	55	48	59	46	69	74	76	81	72	54	62	0	1087
(1)	.11	.13	.17	.14	.11	.09	.08	.10	.08	.12	.12	.13	.14	.12	.09	.10	.00	1.81
(2)	.11	.13	.17	.14	.11	.09	.08	.10	.08	.12	.12	.13	.14	.12	.09	.10	.00	1.81
1.6- 2.0	112	118	162	138	106	96	79	88	66	74	91	122	116	99	107	114	0	1688
(1)	.19	.20	.27	.23	.18	.16	.13	.15	.11	.12	.15	.20	.19	.17	.18	.19	.00	2.81
(2)	.19	.20	.27	.23	.18	.16	.13	.15	.11	.12	.15	.20	.19	.17	.18	.19	.00	2.81
2.1- 3.0	307	353	415	387	322	263	261	298	262	238	330	399	444	355	277	300	0	5211
(1)	.51	.59	.69	.65	.54	.44	.44	.50	.44	.40	.55	.67	.74	.59	.46	.50	.00	8.69
(2)	.51	.59	.69	.65	.54	.44	.44	.50	.44	.40	.55	.67	.74	.59	.46	.50	.00	8.69
3.1- 4.0	266	339	426	299	310	317	421	409	386	356	404	585	584	324	269	235	0	5930
(1)	.44	.57	.71	.50	.52	.53	.70	.68	.64	.59	.67	.98	.97	.54	.45	.39	.00	9.88
(2)	.44	.57	.71	.50	.52	.53	.70	.68	.64	.59	.67	.98	.97	.54	.45	.39	.00	9.88
4.1- 5.0	284	364	337	160	215	415	606	533	567	520	431	851	593	289	279	255	0	6699
(1)	.47	.61	.56	.27	.36	.69	1.01	.89	.95	.87	.72	1.42	.99	.48	.47	.43	.00	11.17
(2)	.47	.61	.56	.27	.36	.69	1.01	.89	.95	.87	.72	1.42	.99	.48	.47	.43	.00	11.17
5.1- 6.0	333	372	276	59	148	463	928	733	841	734	588	953	572	297	291	288	0	7876
(1)	.56	.62	.46	.10	.25	.77	1.55	1.22	1.40	1.22	.98	1.59	.95	.50	.49	.48	.00	13.13
(2)	.56	.62	.46	.10	.25	.77	1.55	1.22	1.40	1.22	.98	1.59	.95	.50	.49	.48	.00	13.13
6.1- 8.0	582	716	299	24	70	589	1918	1791	1905	1304	1003	1662	925	615	626	512	0	14541
(1)	.97	1.19	.50	.04	.12	.98	3.20	2.99	3.18	2.17	1.67	2.77	1.54	1.03	1.04	.85	.00	24.24
(2)	.97	1.19	.50	.04	.12	.98	3.20	2.99	3.18	2.17	1.67	2.77	1.54	1.03	1.04	.85	.00	24.24
8.1-10.0	431	556	137	0	16	159	823	940	716	176	321	985	868	640	633	424	0	7825
(1)	.72	.93	.23	.00	.03	.27	1.37	1.57	1.19	.29	.54	1.64	1.45	1.07	1.06	.71	.00	13.04
(2)	.72	.93	.23	.00	.03	.27	1.37	1.57	1.19	.29	.54	1.64	1.45	1.07	1.06	.71	.00	13.04
10.1-40.3	465	555	78	1	1	42	370	278	89	10	135	1493	1912	1686	1154	409	0	8678
(1)	.78	.93	.13	.00	.00	.07	.62	.46	.15	.02	.23	2.49	3.19	2.81	1.92	.68	.00	14.46
(2)	.78	.93	.13	.00	.00	.07	.62	.46	.15	.02	.23	2.49	3.19	2.81	1.92	.68	.00	14.46
ALL SPEEDS	2880	3491	2256	1188	1289	2426	5477	5149	4904	3513	3400	7158	6120	4407	3718	2618	0	59994
(1)	4.80	5.82	3.76	1.98	2.15	4.04	9.13	8.58	8.17	5.86	5.67	11.93	10.20	7.35	6.20	4.36	.00	100.00
(2)	4.80	5.82	3.76	1.98	2.15	4.04	9.13	8.58	8.17	5.86	5.67	11.93	10.20	7.35	6.20	4.36	.00	100.00

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Table 2.3-24—{NMPNS 30 ft (9-m) 2001-2005 Annual JFD}

(Page 1 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 7.78

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	3
(1)	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.09
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.1- 1.5	2	1	0	0	0	0	0	0	0	0	0	0	2	8	21	16	0	50
(1)	.06	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.24	.62	.48	.00	1.49
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.05	.04	.00	.12
1.6- 2.0	22	9	7	1	0	1	5	2	2	2	0	4	2	25	64	73	0	219
(1)	.65	.27	.21	.03	.00	.03	.15	.06	.06	.06	.00	.12	.06	.74	1.90	2.17	.00	6.50
(2)	.05	.02	.02	.00	.00	.00	.01	.00	.00	.00	.00	.01	.00	.06	.15	.17	.00	.51
2.1- 3.0	104	57	24	6	5	10	13	9	9	4	3	122	19	87	113	108	0	693
(1)	3.09	1.69	.71	.18	.15	.30	.39	.27	.27	.12	.09	3.62	.56	2.58	3.36	3.21	.00	20.58
(2)	.24	.13	.06	.01	.01	.02	.03	.02	.02	.01	.01	.28	.04	.20	.26	.25	.00	1.60
3.1- 4.0	90	79	10	1	3	19	29	18	11	4	7	137	47	58	45	36	0	594
(1)	2.67	2.35	.30	.03	.09	.56	.86	.53	.33	.12	.21	4.07	1.40	1.72	1.34	1.07	.00	17.64
(2)	.21	.18	.02	.00	.01	.04	.07	.04	.03	.01	.02	.32	.11	.13	.10	.08	.00	1.37
4.1- 5.0	82	33	12	0	0	3	9	14	6	0	3	57	38	29	25	34	0	345
(1)	2.44	.98	.36	.00	.00	.09	.27	.42	.18	.00	.09	1.69	1.13	.86	.74	1.01	.00	10.25
(2)	.19	.08	.03	.00	.00	.01	.02	.03	.01	.00	.01	.13	.09	.07	.06	.08	.00	.80
5.1- 6.0	55	20	3	0	0	3	6	4	2	0	0	17	19	19	23	31	0	202
(1)	1.63	.59	.09	.00	.00	.09	.18	.12	.06	.00	.00	.50	.56	.56	.68	.92	.00	6.00
(2)	.13	.05	.01	.00	.00	.01	.01	.01	.00	.00	.00	.04	.04	.04	.05	.07	.00	.47
6.1- 8.0	81	23	6	0	0	1	4	2	0	0	1	17	27	27	90	89	0	368
(1)	2.41	.68	.18	.00	.00	.03	.12	.06	.00	.00	.03	.50	.80	.80	2.67	2.64	.00	10.93
(2)	.19	.05	.01	.00	.00	.00	.01	.00	.00	.00	.00	.04	.06	.06	.21	.21	.00	.85
8.1-10.0	22	7	2	0	0	0	0	0	0	0	0	18	33	67	153	35	0	337
(1)	.65	.21	.06	.00	.00	.00	.00	.00	.00	.00	.00	.53	.98	1.99	4.54	1.04	.00	10.01
(2)	.05	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.08	.15	.35	.08	.00	.78
10.1-40.3	7	0	0	0	0	0	0	0	0	0	0	38	101	271	134	5	0	556
(1)	.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.13	3.00	8.05	3.98	.15	.00	16.51
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.23	.63	.31	.01	.00	1.29
ALL SPEEDS	466	229	64	9	8	37	66	49	30	10	14	410	288	592	668	427	0	3367
(1)	13.84	6.80	1.90	.27	.24	1.10	1.96	1.46	.89	.30	.42	12.18	8.55	17.58	19.84	12.68	.00	100.00
(2)	1.08	.53	.15	.02	.02	.09	.15	.11	.07	.02	.03	.95	.67	1.37	1.54	.99	.00	7.78

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Table 2.3-24—{NMPNS 30 ft (9-m) 2001-2005 Annual JFD}

(Page 2 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.11

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	4
(1)	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.00	.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.1- 1.5	2	2	2	0	1	0	0	0	0	0	0	0	1	2	11	6	0	27
(1)	.09	.09	.09	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05	.09	.50	.27	.00	1.22
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.01	.00	.06
1.6- 2.0	12	4	9	4	3	0	5	4	4	4	1	6	7	8	10	12	0	93
(1)	.54	.18	.41	.18	.14	.00	.23	.18	.18	.18	.05	.27	.32	.36	.45	.54	.00	4.20
(2)	.03	.01	.02	.01	.01	.00	.01	.01	.01	.01	.00	.01	.02	.02	.02	.03	.00	.21
2.1- 3.0	37	32	19	7	6	13	26	17	12	9	6	44	29	28	20	18	0	323
(1)	1.67	1.45	.86	.32	.27	.59	1.18	.77	.54	.41	.27	1.99	1.31	1.27	.90	.81	.00	14.60
(2)	.09	.07	.04	.02	.01	.03	.06	.04	.03	.02	.01	.10	.07	.06	.05	.04	.00	.75
3.1- 4.0	34	25	13	0	2	14	25	28	24	11	3	61	60	20	26	30	0	376
(1)	1.54	1.13	.59	.00	.09	.63	1.13	1.27	1.08	.50	.14	2.76	2.71	.90	1.18	1.36	.00	17.00
(2)	.08	.06	.03	.00	.00	.03	.06	.06	.06	.03	.01	.14	.14	.05	.06	.07	.00	.87
4.1- 5.0	38	44	4	0	0	5	10	22	12	4	3	49	43	13	40	31	0	318
(1)	1.72	1.99	.18	.00	.00	.23	.45	.99	.54	.18	.14	2.22	1.94	.59	1.81	1.40	.00	14.38
(2)	.09	.10	.01	.00	.00	.01	.02	.05	.03	.01	.01	.11	.10	.03	.09	.07	.00	.74
5.1- 6.0	44	10	6	0	0	1	7	8	2	0	3	14	22	31	48	29	0	225
(1)	1.99	.45	.27	.00	.00	.05	.32	.36	.09	.00	.14	.63	.99	1.40	2.17	1.31	.00	10.17
(2)	.10	.02	.01	.00	.00	.00	.02	.02	.00	.00	.01	.03	.05	.07	.11	.07	.00	.52
6.1- 8.0	25	9	14	0	0	2	6	2	3	0	0	20	58	56	133	58	0	386
(1)	1.13	.41	.63	.00	.00	.09	.27	.09	.14	.00	.00	.90	2.62	2.53	6.01	2.62	.00	17.45
(2)	.06	.02	.03	.00	.00	.00	.01	.00	.01	.00	.00	.05	.13	.13	.31	.13	.00	.89
8.1-10.0	4	3	0	0	0	0	0	1	0	0	0	26	57	57	72	13	0	233
(1)	.18	.14	.00	.00	.00	.00	.00	.05	.00	.00	.00	1.18	2.58	2.58	3.25	.59	.00	10.53
(2)	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.13	.13	.17	.03	.00	.54
10.1-40.3	4	0	0	0	0	0	0	0	0	0	0	19	71	98	35	0	0	227
(1)	.18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.86	3.21	4.43	1.58	.00	.00	10.26
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.16	.23	.08	.00	.00	.52
ALL SPEEDS	202	129	67	11	12	35	79	82	57	28	16	239	348	314	395	198	0	2212
(1)	9.13	5.83	3.03	.50	.54	1.58	3.57	3.71	2.58	1.27	.72	10.80	15.73	14.20	17.86	8.95	.00	100.00
(2)	.47	.30	.15	.03	.03	.08	.18	.19	.13	.06	.04	.55	.80	.73	.91	.46	.00	5.11

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Table 2.3-24—{NMPNS 30 ft (9-m) 2001-2005 Annual JFD}

(Page 3 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 6.52

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.04	.00	.00	.00	.07
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	7	3	3	2	2	5	1	0	1	1	0	2	3	6	6	8	0	50
(1)	.25	.11	.11	.07	.07	.18	.04	.00	.04	.04	.00	.07	.11	.21	.21	.28	.00	1.77
(2)	.02	.01	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.00	.12
1.6- 2.0	10	13	14	5	9	9	4	7	0	1	2	6	6	11	8	14	0	119
(1)	.35	.46	.50	.18	.32	.32	.14	.25	.00	.04	.07	.21	.21	.39	.28	.50	.00	4.22
(2)	.02	.03	.03	.01	.02	.02	.01	.02	.00	.00	.00	.01	.01	.03	.02	.03	.00	.28
2.1- 3.0	45	57	49	15	8	21	23	22	34	22	8	53	33	25	23	14	0	452
(1)	1.60	2.02	1.74	.53	.28	.74	.82	.78	1.21	.78	.28	1.88	1.17	.89	.82	.50	.00	16.03
(2)	.10	.13	.11	.03	.02	.05	.05	.05	.08	.05	.02	.12	.08	.06	.05	.03	.00	1.04
3.1- 4.0	36	44	31	1	3	20	41	35	52	25	12	69	70	30	37	39	0	545
(1)	1.28	1.56	1.10	.04	.11	.71	1.45	1.24	1.84	.89	.43	2.45	2.48	1.06	1.31	1.38	.00	19.33
(2)	.08	.10	.07	.00	.01	.05	.09	.08	.12	.06	.03	.16	.16	.07	.09	.09	.00	1.26
4.1- 5.0	53	45	27	0	0	8	22	31	14	7	0	36	35	22	47	43	0	390
(1)	1.88	1.60	.96	.00	.00	.28	.78	1.10	.50	.25	.00	1.28	1.24	.78	1.67	1.53	.00	13.83
(2)	.12	.10	.06	.00	.00	.02	.05	.07	.03	.02	.00	.08	.08	.05	.11	.10	.00	.90
5.1- 6.0	28	19	18	0	0	0	7	11	8	1	1	39	46	45	62	30	0	315
(1)	.99	.67	.64	.00	.00	.00	.25	.39	.28	.04	.04	1.38	1.63	1.60	2.20	1.06	.00	11.17
(2)	.06	.04	.04	.00	.00	.00	.02	.03	.02	.00	.00	.09	.11	.10	.14	.07	.00	.73
6.1- 8.0	26	17	16	0	0	0	5	3	5	0	3	33	92	83	94	64	0	441
(1)	.92	.60	.57	.00	.00	.00	.18	.11	.18	.00	.11	1.17	3.26	2.94	3.33	2.27	.00	15.64
(2)	.06	.04	.04	.00	.00	.00	.01	.01	.01	.00	.01	.08	.21	.19	.22	.15	.00	1.02
8.1-10.0	5	4	1	0	0	0	0	1	0	0	3	29	80	50	47	8	0	228
(1)	.18	.14	.04	.00	.00	.00	.00	.04	.00	.00	.11	1.03	2.84	1.77	1.67	.28	.00	8.09
(2)	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.07	.18	.12	.11	.02	.00	.53
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	52	96	115	14	0	0	277
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.84	3.41	4.08	.50	.00	.00	9.83
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.22	.27	.03	.00	.00	.64
ALL SPEEDS	210	202	159	23	22	63	103	110	114	57	29	320	461	388	338	220	0	2819
(1)	7.45	7.17	5.64	.82	.78	2.23	3.65	3.90	4.04	2.02	1.03	11.35	16.35	13.76	11.99	7.80	.00	100.00
(2)	.49	.47	.37	.05	.05	.15	.24	.25	.26	.13	.07	.74	1.07	.90	.78	.51	.00	6.52

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Table 2.3-24—{NMPNS 30 ft (9-m) 2001-2005 Annual JFD}

(Page 4 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 40.88

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.01	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	0	0	3	0	0	1	1	0	1	0	0	0	0	1	0	0	7
(1)	.00	.00	.00	.02	.00	.00	.01	.01	.00	.01	.00	.00	.00	.00	.01	.00	.00	.04
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.5- 1.0	17	10	29	46	26	21	25	8	13	10	12	7	10	19	16	13	0	282
(1)	.10	.06	.16	.26	.15	.12	.14	.05	.07	.06	.07	.04	.06	.11	.09	.07	.00	1.59
(2)	.04	.02	.07	.11	.06	.05	.06	.02	.03	.02	.03	.02	.02	.04	.04	.03	.00	.65
1.1- 1.5	46	42	89	91	100	66	70	45	34	34	18	39	32	37	45	51	0	839
(1)	.26	.24	.50	.51	.57	.37	.40	.25	.19	.19	.10	.22	.18	.21	.25	.29	.00	4.75
(2)	.11	.10	.21	.21	.23	.15	.16	.10	.08	.08	.04	.09	.07	.09	.10	.12	.00	1.94
1.6- 2.0	65	128	171	149	117	129	127	89	72	48	46	75	59	54	53	65	0	1447
(1)	.37	.72	.97	.84	.66	.73	.72	.50	.41	.27	.26	.42	.33	.31	.30	.37	.00	8.18
(2)	.15	.30	.40	.34	.27	.30	.29	.21	.17	.11	.11	.17	.14	.12	.12	.15	.00	3.35
2.1- 3.0	187	284	384	187	221	363	424	284	314	231	143	399	186	108	153	117	0	3985
(1)	1.06	1.61	2.17	1.06	1.25	2.05	2.40	1.61	1.78	1.31	.81	2.26	1.05	.61	.87	.66	.00	22.54
(2)	.43	.66	.89	.43	.51	.84	.98	.66	.73	.53	.33	.92	.43	.25	.35	.27	.00	9.21
3.1- 4.0	113	270	307	21	59	394	452	311	479	361	226	399	217	110	144	101	0	3964
(1)	.64	1.53	1.74	.12	.33	2.23	2.56	1.76	2.71	2.04	1.28	2.26	1.23	.62	.81	.57	.00	22.42
(2)	.26	.62	.71	.05	.14	.91	1.04	.72	1.11	.83	.52	.92	.50	.25	.33	.23	.00	9.16
4.1- 5.0	86	151	133	1	10	168	328	208	264	243	249	264	190	157	141	91	0	2684
(1)	.49	.85	.75	.01	.06	.95	1.86	1.18	1.49	1.37	1.41	1.49	1.07	.89	.80	.51	.00	15.18
(2)	.20	.35	.31	.00	.02	.39	.76	.48	.61	.56	.58	.61	.44	.36	.33	.21	.00	6.20
5.1- 6.0	69	59	25	0	0	50	161	112	110	48	133	151	196	138	117	54	0	1423
(1)	.39	.33	.14	.00	.00	.28	.91	.63	.62	.27	.75	.85	1.11	.78	.66	.31	.00	8.05
(2)	.16	.14	.06	.00	.00	.12	.37	.26	.25	.11	.31	.35	.45	.32	.27	.12	.00	3.29
6.1- 8.0	35	11	1	0	0	28	54	90	29	9	55	223	431	270	143	47	0	1426
(1)	.20	.06	.01	.00	.00	.16	.31	.51	.16	.05	.31	1.26	2.44	1.53	.81	.27	.00	8.07
(2)	.08	.03	.00	.00	.00	.06	.12	.21	.07	.02	.13	.52	1.00	.62	.33	.11	.00	3.30
8.1-10.0	10	0	0	0	0	0	3	6	0	0	7	144	333	211	80	6	0	800
(1)	.06	.00	.00	.00	.00	.00	.02	.03	.00	.00	.04	.81	1.88	1.19	.45	.03	.00	4.52
(2)	.02	.00	.00	.00	.00	.00	.01	.01	.00	.00	.02	.33	.77	.49	.18	.01	.00	1.85
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	120	380	280	39	1	0	821
(1)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.68	2.15	1.58	.22	.01	.00	4.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.88	.65	.09	.00	.00	1.90
ALL SPEEDS	629	955	1140	499	533	1219	1646	1154	1315	985	889	1821	2034	1384	932	546	0	17681
(1)	3.56	5.40	6.45	2.82	3.01	6.89	9.31	6.53	7.44	5.57	5.03	10.30	11.50	7.83	5.27	3.09	.00	100.00
(2)	1.45	2.21	2.64	1.15	1.23	2.82	3.81	2.67	3.04	2.28	2.06	4.21	4.70	3.20	2.15	1.26	.00	40.88

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Table 2.3-24—{NMPNS 30 ft (9-m) 2001-2005 Annual JFD}

(Page 5 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 25.69

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	4
(1)	.01	.00	.00	.00	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	0	0	3	0	0	0	1	1	1	0	0	1	0	1	1	0	9
(1)	.00	.00	.00	.03	.00	.00	.00	.01	.01	.01	.00	.00	.01	.00	.01	.01	.00	.08
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.5- 1.0	11	12	37	67	63	61	35	38	38	42	31	21	21	19	15	14	0	525
(1)	.10	.11	.33	.60	.57	.55	.31	.34	.34	.38	.28	.19	.19	.17	.13	.13	.00	4.72
(2)	.03	.03	.09	.15	.15	.14	.08	.09	.09	.10	.07	.05	.05	.04	.03	.03	.00	1.21
1.1- 1.5	39	46	82	93	147	114	119	71	70	59	69	71	41	46	32	43	0	1142
(1)	.35	.41	.74	.84	1.32	1.03	1.07	.64	.63	.53	.62	.64	.37	.41	.29	.39	.00	10.28
(2)	.09	.11	.19	.21	.34	.26	.28	.16	.16	.14	.16	.16	.09	.11	.07	.10	.00	2.64
1.6- 2.0	40	80	88	112	133	175	141	142	86	73	106	83	51	43	17	28	0	1398
(1)	.36	.72	.79	1.01	1.20	1.57	1.27	1.28	.77	.66	.95	.75	.46	.39	.15	.25	.00	12.58
(2)	.09	.18	.20	.26	.31	.40	.33	.33	.20	.17	.25	.19	.12	.10	.04	.06	.00	3.23
2.1- 3.0	77	93	98	75	66	350	561	488	468	235	261	383	135	40	20	24	0	3374
(1)	.69	.84	.88	.67	.59	3.15	5.05	4.39	4.21	2.11	2.35	3.45	1.21	.36	.18	.22	.00	30.36
(2)	.18	.21	.23	.17	.15	.81	1.30	1.13	1.08	.54	.60	.89	.31	.09	.05	.06	.00	7.80
3.1- 4.0	22	34	23	4	15	136	488	479	605	204	179	336	85	16	12	15	0	2653
(1)	.20	.31	.21	.04	.13	1.22	4.39	4.31	5.44	1.84	1.61	3.02	.76	.14	.11	.13	.00	23.87
(2)	.05	.08	.05	.01	.03	.31	1.13	1.11	1.40	.47	.41	.78	.20	.04	.03	.03	.00	6.13
4.1- 5.0	14	3	11	0	1	51	172	189	228	62	95	172	53	36	19	5	0	1111
(1)	.13	.03	.10	.00	.01	.46	1.55	1.70	2.05	.56	.85	1.55	.48	.32	.17	.04	.00	10.00
(2)	.03	.01	.03	.00	.00	.12	.40	.44	.53	.14	.22	.40	.12	.08	.04	.01	.00	2.57
5.1- 6.0	6	1	1	0	0	9	55	42	41	13	46	82	54	20	7	0	0	377
(1)	.05	.01	.01	.00	.00	.08	.49	.38	.37	.12	.41	.74	.49	.18	.06	.00	.00	3.39
(2)	.01	.00	.00	.00	.00	.02	.13	.10	.09	.03	.11	.19	.12	.05	.02	.00	.00	.87
6.1- 8.0	2	0	0	0	0	0	19	27	4	1	24	82	74	30	5	1	0	269
(1)	.02	.00	.00	.00	.00	.00	.17	.24	.04	.01	.22	.74	.67	.27	.04	.01	.00	2.42
(2)	.00	.00	.00	.00	.00	.00	.04	.06	.01	.00	.06	.19	.17	.07	.01	.00	.00	.62
8.1-10.0	0	0	0	0	0	0	0	0	0	0	1	25	74	29	2	1	0	132
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.22	.67	.26	.02	.01	.00	1.19
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.17	.07	.00	.00	.00	.31
10.1-40.3	0	0	0	0	0	0	0	0	0	1	0	19	71	27	1	0	0	119
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.17	.64	.24	.01	.00	.00	1.07
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.16	.06	.00	.00	.00	.28
ALL SPEEDS	212	269	340	354	426	897	1590	1478	1541	691	812	1274	660	306	131	132	0	11113
(1)	1.91	2.42	3.06	3.19	3.83	8.07	14.31	13.30	13.87	6.22	7.31	11.46	5.94	2.75	1.18	1.19	.00	100.00
(2)	.49	.62	.79	.82	.98	2.07	3.68	3.42	3.56	1.60	1.88	2.95	1.53	.71	.30	.31	.00	25.69

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Table 2.3-24—{NMPNS 30 ft (9-m) 2001-2005 Annual JFD}

(Page 6 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 7.50

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	3
(1)	.00	.00	.03	.00	.00	.00	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.09
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	0	0	0	2	0	0	0	1	0	0	0	0	1	0	0	0	4
(1)	.00	.00	.00	.00	.06	.00	.00	.00	.03	.00	.00	.00	.00	.03	.00	.00	.00	.12
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.5- 1.0	7	3	9	26	34	41	64	62	29	24	16	12	6	7	7	5	0	352
(1)	.22	.09	.28	.80	1.05	1.26	1.97	1.91	.89	.74	.49	.37	.18	.22	.22	.15	.00	10.85
(2)	.02	.01	.02	.06	.08	.09	.15	.14	.07	.06	.04	.03	.01	.02	.02	.01	.00	.81
1.1- 1.5	7	14	23	24	73	99	81	83	64	36	13	27	24	23	17	21	0	629
(1)	.22	.43	.71	.74	2.25	3.05	2.50	2.56	1.97	1.11	.40	.83	.74	.71	.52	.65	.00	19.38
(2)	.02	.03	.05	.06	.17	.23	.19	.19	.15	.08	.03	.06	.06	.05	.04	.05	.00	1.45
1.6- 2.0	24	19	38	21	62	111	107	107	69	34	25	23	28	15	8	12	0	703
(1)	.74	.59	1.17	.65	1.91	3.42	3.30	3.30	2.13	1.05	.77	.71	.86	.46	.25	.37	.00	21.66
(2)	.06	.04	.09	.05	.14	.26	.25	.25	.16	.08	.06	.05	.06	.03	.02	.03	.00	1.63
2.1- 3.0	30	28	17	4	12	68	161	220	235	126	25	105	40	6	2	8	0	1087
(1)	.92	.86	.52	.12	.37	2.10	4.96	6.78	7.24	3.88	.77	3.24	1.23	.18	.06	.25	.00	33.50
(2)	.07	.06	.04	.01	.03	.16	.37	.51	.54	.29	.06	.24	.09	.01	.00	.02	.00	2.51
3.1- 4.0	12	7	2	0	0	2	21	58	129	24	9	64	17	4	3	4	0	356
(1)	.37	.22	.06	.00	.00	.06	.65	1.79	3.98	.74	.28	1.97	.52	.12	.09	.12	.00	10.97
(2)	.03	.02	.00	.00	.00	.00	.05	.13	.30	.06	.02	.15	.04	.01	.01	.01	.00	.82
4.1- 5.0	3	1	0	0	0	0	2	2	6	1	1	24	11	4	2	3	0	60
(1)	.09	.03	.00	.00	.00	.00	.06	.06	.18	.03	.03	.74	.34	.12	.06	.09	.00	1.85
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.06	.03	.01	.00	.01	.00	.14
5.1- 6.0	2	0	0	0	0	0	0	0	0	0	3	15	4	3	0	0	0	27
(1)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.46	.12	.09	.00	.00	.00	.83
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.01	.01	.00	.00	.00	.06
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	9	8	1	0	0	0	18
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.25	.03	.00	.00	.00	.55
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00	.04
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.00	.00	.00	.00	.12
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.06
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	85	72	90	75	183	321	437	532	533	246	92	279	144	64	39	53	0	3245
(1)	2.62	2.22	2.77	2.31	5.64	9.89	13.47	16.39	16.43	7.58	2.84	8.60	4.44	1.97	1.20	1.63	.00	100.00
(2)	.20	.17	.21	.17	.42	.74	1.01	1.23	1.23	.57	.21	.64	.33	.15	.09	.12	.00	7.50

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Table 2.3-24—{NMPNS 30 ft (9-m) 2001-2005 Annual JFD}

(Page 7 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 6.52

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.04	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	9	4	5	25	58	127	75	35	14	5	4	3	6	4	4	0	381
(1)	.11	.32	.14	.18	.89	2.06	4.51	2.66	1.24	.50	.18	.14	.11	.21	.14	.14	.00	13.52
(2)	.01	.02	.01	.01	.06	.13	.29	.17	.08	.03	.01	.01	.01	.01	.01	.01	.00	.88
1.1- 1.5	3	5	15	11	29	110	305	142	46	7	4	11	8	13	12	5	0	726
(1)	.11	.18	.53	.39	1.03	3.90	10.82	5.04	1.63	.25	.14	.39	.28	.46	.43	.18	.00	25.75
(2)	.01	.01	.03	.03	.07	.25	.71	.33	.11	.02	.01	.03	.02	.03	.03	.01	.00	1.68
1.6- 2.0	3	7	10	9	13	102	183	158	72	6	3	9	15	10	5	8	0	613
(1)	.11	.25	.35	.32	.46	3.62	6.49	5.60	2.55	.21	.11	.32	.53	.35	.18	.28	.00	21.75
(2)	.01	.02	.02	.02	.03	.24	.42	.37	.17	.01	.01	.02	.03	.02	.01	.02	.00	1.42
2.1- 3.0	16	15	14	2	2	35	146	407	236	29	0	27	23	5	4	7	0	968
(1)	.57	.53	.50	.07	.07	1.24	5.18	14.44	8.37	1.03	.00	.96	.82	.18	.14	.25	.00	34.34
(2)	.04	.03	.03	.00	.00	.08	.34	.94	.55	.07	.00	.06	.05	.01	.01	.02	.00	2.24
3.1- 4.0	3	4	1	0	0	0	1	12	32	4	0	10	7	3	1	3	0	81
(1)	.11	.14	.04	.00	.00	.00	.04	.43	1.14	.14	.00	.35	.25	.11	.04	.11	.00	2.87
(2)	.01	.01	.00	.00	.00	.00	.00	.03	.07	.01	.00	.02	.02	.01	.00	.01	.00	.19
4.1- 5.0	1	2	0	0	0	0	0	0	0	0	0	17	7	3	2	2	0	34
(1)	.04	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60	.25	.11	.07	.07	.00	1.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.02	.01	.00	.00	.00	.08
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	2	2	5	0	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.07	.18	.00	.00	.00	.32
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.02
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.04	.04	.00	.00	.00	.14
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00	.04
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	29	42	44	28	70	305	762	794	421	60	12	82	67	46	28	29	0	2819
(1)	1.03	1.49	1.56	.99	2.48	10.82	27.03	28.17	14.93	2.13	.43	2.91	2.38	1.63	.99	1.03	.00	100.00
(2)	.07	.10	.10	.06	.16	.71	1.76	1.84	.97	.14	.03	.19	.15	.11	.06	.07	.00	6.52

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Table 2.3-24—{NMPNS 30 ft (9-m) 2001-2005 Annual JFD}

(Page 8 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	1	0	2	1	1	1	2	1	0	1	0	0	0	0	0	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.3- .4	0	0	0	7	3	0	1	2	2	2	0	0	1	1	2	1	0	22
(1)	.00	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
(2)	.00	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
.5- 1.0	41	34	79	145	148	181	251	183	115	90	64	45	40	54	42	37	0	1549
(1)	.09	.08	.18	.34	.34	.42	.58	.42	.27	.21	.15	.10	.09	.12	.10	.09	.00	3.58
(2)	.09	.08	.18	.34	.34	.42	.58	.42	.27	.21	.15	.10	.09	.12	.10	.09	.00	3.58
1.1- 1.5	106	113	214	221	352	394	576	341	215	137	104	150	111	135	144	150	0	3463
(1)	.25	.26	.49	.51	.81	.91	1.33	.79	.50	.32	.24	.35	.26	.31	.33	.35	.00	8.01
(2)	.25	.26	.49	.51	.81	.91	1.33	.79	.50	.32	.24	.35	.26	.31	.33	.35	.00	8.01
1.6- 2.0	176	260	337	301	337	527	572	509	305	168	183	206	168	166	165	212	0	4592
(1)	.41	.60	.78	.70	.78	1.22	1.32	1.18	.71	.39	.42	.48	.39	.38	.38	.49	.00	10.62
(2)	.41	.60	.78	.70	.78	1.22	1.32	1.18	.71	.39	.42	.48	.39	.38	.38	.49	.00	10.62
2.1- 3.0	496	566	605	296	320	860	1354	1447	1308	656	446	1133	465	299	335	296	0	10882
(1)	1.15	1.31	1.40	.68	.74	1.99	3.13	3.35	3.02	1.52	1.03	2.62	1.07	.69	.77	.68	.00	25.16
(2)	1.15	1.31	1.40	.68	.74	1.99	3.13	3.35	3.02	1.52	1.03	2.62	1.07	.69	.77	.68	.00	25.16
3.1- 4.0	310	463	387	27	82	585	1057	941	1332	633	436	1076	503	241	268	228	0	8569
(1)	.72	1.07	.89	.06	.19	1.35	2.44	2.18	3.08	1.46	1.01	2.49	1.16	.56	.62	.53	.00	19.81
(2)	.72	1.07	.89	.06	.19	1.35	2.44	2.18	3.08	1.46	1.01	2.49	1.16	.56	.62	.53	.00	19.81
4.1- 5.0	277	279	187	1	11	235	543	466	530	317	351	619	377	264	276	209	0	4942
(1)	.64	.64	.43	.00	.03	.54	1.26	1.08	1.23	.73	.81	1.43	.87	.61	.64	.48	.00	11.43
(2)	.64	.64	.43	.00	.03	.54	1.26	1.08	1.23	.73	.81	1.43	.87	.61	.64	.48	.00	11.43
5.1- 6.0	204	109	53	0	0	63	236	177	163	62	186	320	343	261	257	144	0	2578
(1)	.47	.25	.12	.00	.00	.15	.55	.41	.38	.14	.43	.74	.79	.60	.59	.33	.00	5.96
(2)	.47	.25	.12	.00	.00	.15	.55	.41	.38	.14	.43	.74	.79	.60	.59	.33	.00	5.96
6.1- 8.0	169	60	37	0	0	31	88	124	41	10	83	386	691	468	465	259	0	2912
(1)	.39	.14	.09	.00	.00	.07	.20	.29	.09	.02	.19	.89	1.60	1.08	1.07	.60	.00	6.73
(2)	.39	.14	.09	.00	.00	.07	.20	.29	.09	.02	.19	.89	1.60	1.08	1.07	.60	.00	6.73
8.1-10.0	41	14	3	0	0	0	3	8	0	0	11	242	582	414	354	63	0	1735
(1)	.09	.03	.01	.00	.00	.00	.01	.02	.00	.00	.03	.56	1.35	.96	.82	.15	.00	4.01
(2)	.09	.03	.01	.00	.00	.00	.01	.02	.00	.00	.03	.56	1.35	.96	.82	.15	.00	4.01
10.1-40.3	12	0	0	0	0	0	0	0	0	1	0	248	721	791	223	6	0	2002
(1)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	1.67	1.83	.52	.01	.00	4.63
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	1.67	1.83	.52	.01	.00	4.63
ALL SPEEDS	1833	1898	1904	999	1254	2877	4683	4199	4011	2077	1864	4425	4002	3094	2531	1605	0	43256
(1)	4.24	4.39	4.40	2.31	2.90	6.65	10.83	9.71	9.27	4.80	4.31	10.23	9.25	7.15	5.85	3.71	.00	100.00
(2)	4.24	4.39	4.40	2.31	2.90	6.65	10.83	9.71	9.27	4.80	4.31	10.23	9.25	7.15	5.85	3.71	.00	100.00

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Table 2.3-25—{NMPNS 100 ft (30-m) 2001-2005 Annual JFD}

(Page 1 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 7.87

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	3
(1)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.09
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.09
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01
1.6- 2.0	4	2	2	0	1	1	0	1	0	2	0	0	2	10	15	23	0	63
(1)	.12	.06	.06	.00	.03	.03	.00	.03	.00	.06	.00	.00	.06	.30	.44	.68	.00	1.87
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.04	.05	.00	.15
2.1- 3.0	46	26	20	2	1	1	12	2	3	4	0	2	11	40	61	94	0	325
(1)	1.36	.77	.59	.06	.03	.03	.36	.06	.09	.12	.00	.06	.33	1.19	1.81	2.79	.00	9.64
(2)	.11	.06	.05	.00	.00	.00	.03	.00	.01	.01	.00	.00	.03	.09	.14	.22	.00	.76
3.1- 4.0	59	53	8	2	4	9	12	6	10	4	3	29	15	47	59	58	0	378
(1)	1.75	1.57	.24	.06	.12	.27	.36	.18	.30	.12	.09	.86	.44	1.39	1.75	1.72	.00	11.21
(2)	.14	.12	.02	.00	.01	.02	.03	.01	.02	.01	.01	.07	.04	.11	.14	.14	.00	.88
4.1- 5.0	46	38	9	2	0	12	24	13	6	3	0	94	18	35	36	51	0	387
(1)	1.36	1.13	.27	.06	.00	.36	.71	.39	.18	.09	.00	2.79	.53	1.04	1.07	1.51	.00	11.48
(2)	.11	.09	.02	.00	.00	.03	.06	.03	.01	.01	.00	.22	.04	.08	.08	.12	.00	.90
5.1- 6.0	52	37	4	0	1	8	13	11	4	0	2	129	11	27	36	40	0	375
(1)	1.54	1.10	.12	.00	.03	.24	.39	.33	.12	.00	.06	3.83	.33	.80	1.07	1.19	.00	11.12
(2)	.12	.09	.01	.00	.00	.02	.03	.03	.01	.00	.00	.30	.03	.06	.08	.09	.00	.88
6.1- 8.0	87	51	9	0	0	4	12	7	3	0	0	131	18	29	43	58	0	452
(1)	2.58	1.51	.27	.00	.00	.12	.36	.21	.09	.00	.00	3.89	.53	.86	1.28	1.72	.00	13.41
(2)	.20	.12	.02	.00	.00	.01	.03	.02	.01	.00	.00	.31	.04	.07	.10	.14	.00	1.06
8.1-10.0	81	22	3	0	0	2	3	2	0	0	1	36	22	37	60	78	0	347
(1)	2.40	.65	.09	.00	.00	.06	.09	.06	.00	.00	.03	1.07	.65	1.10	1.78	2.31	.00	10.29
(2)	.19	.05	.01	.00	.00	.00	.01	.00	.00	.00	.00	.08	.05	.09	.14	.18	.00	.81
10.1-40.3	76	35	6	0	0	0	2	0	0	0	0	77	110	320	319	93	0	1038
(1)	2.25	1.04	.18	.00	.00	.00	.06	.00	.00	.00	.00	2.28	3.26	9.49	9.46	2.76	.00	30.79
(2)	.18	.08	.01	.00	.00	.00	.00	.00	.00	.00	.00	.18	.26	.75	.74	.22	.00	2.42
ALL SPEEDS	451	264	61	7	7	37	78	42	26	13	6	498	208	546	632	495	0	3371
(1)	13.38	7.83	1.81	.21	.21	1.10	2.31	1.25	.77	.39	.18	14.77	6.17	16.20	18.75	14.68	.00	100.00
(2)	1.05	.62	.14	.02	.02	.09	.18	.10	.06	.03	.01	1.16	.49	1.27	1.48	1.16	.00	7.87

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Table 2.3-25—{NMPNS 100 ft (30-m) 2001-2005 Annual JFD}

(Page 2 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.15

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
(1)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.09
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05	.05	.09	.00	.23
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.6- 2.0	5	2	6	2	1	0	0	2	3	2	0	0	3	2	2	11	0	41
(1)	.23	.09	.27	.09	.05	.00	.00	.09	.14	.09	.00	.00	.14	.09	.09	.50	.00	1.86
(2)	.01	.00	.01	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00	.00	.03	.00	.10
2.1- 3.0	15	24	15	5	5	4	11	12	6	6	6	8	22	24	17	13	0	193
(1)	.68	1.09	.68	.23	.23	.18	.50	.54	.27	.27	.27	.36	1.00	1.09	.77	.59	.00	8.76
(2)	.04	.06	.04	.01	.01	.01	.03	.03	.01	.01	.01	.02	.05	.06	.04	.03	.00	.45
3.1- 4.0	17	21	4	1	4	10	22	20	9	8	1	21	29	12	6	13	0	198
(1)	.77	.95	.18	.05	.18	.45	1.00	.91	.41	.36	.05	.95	1.32	.54	.27	.59	.00	8.98
(2)	.04	.05	.01	.00	.01	.02	.05	.05	.02	.02	.00	.05	.07	.03	.01	.03	.00	.46
4.1- 5.0	19	13	7	0	1	9	19	20	14	7	1	43	46	21	15	10	0	245
(1)	.86	.59	.32	.00	.05	.41	.86	.91	.64	.32	.05	1.95	2.09	.95	.68	.45	.00	11.12
(2)	.04	.03	.02	.00	.00	.02	.04	.05	.03	.02	.00	.10	.11	.05	.04	.02	.00	.57
5.1- 6.0	22	15	7	0	1	7	10	23	13	3	1	46	20	14	24	22	0	228
(1)	1.00	.68	.32	.00	.05	.32	.45	1.04	.59	.14	.05	2.09	.91	.64	1.09	1.00	.00	10.34
(2)	.05	.04	.02	.00	.00	.02	.02	.05	.03	.01	.00	.11	.05	.03	.06	.05	.00	.53
6.1- 8.0	57	44	3	0	0	3	12	11	5	0	2	68	48	39	70	52	0	414
(1)	2.59	2.00	.14	.00	.00	.14	.54	.50	.23	.00	.09	3.09	2.18	1.77	3.18	2.36	.00	18.78
(2)	.13	.10	.01	.00	.00	.01	.03	.03	.01	.00	.00	.16	.11	.09	.16	.12	.00	.97
8.1-10.0	37	16	6	0	0	2	7	2	0	0	1	34	49	45	91	49	0	339
(1)	1.68	.73	.27	.00	.00	.09	.32	.09	.00	.00	.05	1.54	2.22	2.04	4.13	2.22	.00	15.38
(2)	.09	.04	.01	.00	.00	.00	.02	.00	.00	.00	.00	.08	.11	.11	.21	.11	.00	.79
10.1-40.3	24	19	4	0	0	0	2	0	0	0	0	61	86	137	156	50	0	539
(1)	1.09	.86	.18	.00	.00	.00	.09	.00	.00	.00	.00	2.77	3.90	6.22	7.08	2.27	.00	24.46
(2)	.06	.04	.01	.00	.00	.00	.00	.00	.00	.00	.00	.14	.20	.32	.36	.12	.00	1.26
ALL SPEEDS	197	154	52	8	12	35	83	90	50	26	12	281	304	296	382	222	0	2204
(1)	8.94	6.99	2.36	.36	.54	1.59	3.77	4.08	2.27	1.18	.54	12.75	13.79	13.43	17.33	10.07	.00	100.00
(2)	.46	.36	.12	.02	.03	.08	.19	.21	.12	.06	.03	.66	.71	.69	.89	.52	.00	5.15

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Table 2.3-25—{NMPNS 100 ft (30-m) 2001-2005 Annual JFD}

(Page 3 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 6.54

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.04
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	0	2	0	1	1	0	0	0	1	1	1	2	3	1	3	0	17
(1)	.04	.00	.07	.00	.04	.04	.00	.00	.00	.04	.04	.04	.07	.11	.04	.11	.00	.61
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.04
1.6- 2.0	6	5	6	2	5	5	0	2	2	0	1	3	4	5	2	7	0	55
(1)	.21	.18	.21	.07	.18	.18	.00	.07	.07	.00	.04	.11	.14	.18	.07	.25	.00	1.96
(2)	.01	.01	.01	.00	.01	.01	.00	.00	.00	.00	.00	.01	.01	.01	.00	.02	.00	.13
2.1- 3.0	18	27	33	10	8	13	12	12	20	10	5	12	16	15	11	13	0	235
(1)	.64	.96	1.18	.36	.29	.46	.43	.43	.71	.36	.18	.43	.57	.54	.39	.46	.00	8.38
(2)	.04	.06	.08	.02	.02	.03	.03	.03	.05	.02	.01	.03	.04	.04	.03	.03	.00	.55
3.1- 4.0	17	28	28	2	2	16	15	19	28	19	5	35	39	23	17	7	0	300
(1)	.61	1.00	1.00	.07	.07	.57	.54	.68	1.00	.68	.18	1.25	1.39	.82	.61	.25	.00	10.70
(2)	.04	.07	.07	.00	.00	.04	.04	.04	.07	.04	.01	.08	.09	.05	.04	.02	.00	.70
4.1- 5.0	19	26	17	0	2	18	32	33	37	12	5	42	40	23	21	19	0	346
(1)	.68	.93	.61	.00	.07	.64	1.14	1.18	1.32	.43	.18	1.50	1.43	.82	.75	.68	.00	12.34
(2)	.04	.06	.04	.00	.00	.04	.07	.08	.09	.03	.01	.10	.09	.05	.05	.04	.00	.81
5.1- 6.0	35	30	14	0	0	10	16	30	12	6	3	56	43	27	25	27	0	334
(1)	1.25	1.07	.50	.00	.00	.36	.57	1.07	.43	.21	.11	2.00	1.53	.96	.89	.96	.00	11.92
(2)	.08	.07	.03	.00	.00	.02	.04	.07	.03	.01	.01	.13	.10	.06	.06	.06	.00	.78
6.1- 8.0	60	55	23	0	0	4	18	19	12	1	2	83	71	59	97	60	0	564
(1)	2.14	1.96	.82	.00	.00	.14	.64	.68	.43	.04	.07	2.96	2.53	2.10	3.46	2.14	.00	20.12
(2)	.14	.13	.05	.00	.00	.01	.04	.04	.03	.00	.00	.19	.17	.14	.23	.14	.00	1.32
8.1-10.0	28	30	13	0	0	0	7	3	1	0	4	41	80	67	73	58	0	405
(1)	1.00	1.07	.46	.00	.00	.00	.25	.11	.04	.00	.14	1.46	2.85	2.39	2.60	2.07	.00	14.45
(2)	.07	.07	.03	.00	.00	.00	.02	.01	.00	.00	.01	.10	.19	.16	.17	.14	.00	.95
10.1-40.3	28	27	4	0	0	0	0	2	0	0	2	96	123	136	86	42	0	546
(1)	1.00	.96	.14	.00	.00	.00	.00	.07	.00	.00	.07	3.42	4.39	4.85	3.07	1.50	.00	19.48
(2)	.07	.06	.01	.00	.00	.00	.00	.00	.00	.00	.00	.22	.29	.32	.20	.10	.00	1.27
ALL SPEEDS	212	228	140	14	18	67	100	120	112	49	28	369	418	358	333	237	0	2803
(1)	7.56	8.13	4.99	.50	.64	2.39	3.57	4.28	4.00	1.75	1.00	13.16	14.91	12.77	11.88	8.46	.00	100.00
(2)	.49	.53	.33	.03	.04	.16	.23	.28	.26	.11	.07	.86	.98	.84	.78	.55	.00	6.54

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Table 2.3-25—{NMPNS 100 ft (30-m) 2001-2005 Annual JFD}

(Page 4 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 40.62

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	7	6	14	19	10	3	4	4	7	7	7	2	7	9	10	5	0	121
(1)	.04	.03	.08	.11	.06	.02	.02	.02	.04	.04	.04	.01	.04	.05	.06	.03	.00	.70
(2)	.02	.01	.03	.04	.02	.01	.01	.01	.02	.02	.02	.00	.02	.02	.02	.01	.00	.28
1.1- 1.5	26	25	48	41	28	24	24	17	15	21	12	17	22	21	23	20	0	384
(1)	.15	.14	.28	.24	.16	.14	.14	.10	.09	.12	.07	.10	.13	.12	.13	.11	.00	2.21
(2)	.06	.06	.11	.10	.07	.06	.06	.04	.04	.05	.03	.04	.05	.05	.05	.05	.00	.90
1.6- 2.0	45	49	97	80	70	51	51	39	28	23	12	35	36	27	33	30	0	706
(1)	.26	.28	.56	.46	.40	.29	.29	.22	.16	.13	.07	.20	.21	.16	.19	.17	.00	4.06
(2)	.11	.11	.23	.19	.16	.12	.12	.09	.07	.05	.03	.08	.08	.06	.08	.07	.00	1.65
2.1- 3.0	79	157	232	143	124	141	196	147	144	101	60	95	132	73	61	80	0	1965
(1)	.45	.90	1.33	.82	.71	.81	1.13	.84	.83	.58	.34	.55	.76	.42	.35	.46	.00	11.29
(2)	.18	.37	.54	.33	.29	.33	.46	.34	.34	.24	.14	.22	.31	.17	.14	.19	.00	4.59
3.1- 4.0	73	136	243	79	114	222	271	247	272	217	87	192	165	79	90	57	0	2544
(1)	.42	.78	1.40	.45	.66	1.28	1.56	1.42	1.56	1.25	.50	1.10	.95	.45	.52	.33	.00	14.62
(2)	.17	.32	.57	.18	.27	.52	.63	.58	.63	.51	.20	.45	.39	.18	.21	.13	.00	5.94
4.1- 5.0	84	171	199	17	43	250	377	254	351	290	139	305	166	98	81	78	0	2903
(1)	.48	.98	1.14	.10	.25	1.44	2.17	1.46	2.02	1.67	.80	1.75	.95	.56	.47	.45	.00	16.68
(2)	.20	.40	.46	.04	.10	.58	.88	.59	.82	.68	.32	.71	.39	.23	.19	.18	.00	6.78
5.1- 6.0	100	165	149	1	14	203	361	228	268	179	220	318	159	113	103	101	0	2682
(1)	.57	.95	.86	.01	.08	1.17	2.07	1.31	1.54	1.03	1.26	1.83	.91	.65	.59	.58	.00	15.41
(2)	.23	.39	.35	.00	.03	.47	.84	.53	.63	.42	.51	.74	.37	.26	.24	.24	.00	6.26
6.1- 8.0	133	235	103	1	3	125	363	235	166	69	231	425	346	239	207	129	0	3010
(1)	.76	1.35	.59	.01	.02	.72	2.09	1.35	.95	.40	1.33	2.44	1.99	1.37	1.19	.74	.00	17.30
(2)	.31	.55	.24	.00	.01	.29	.85	.55	.39	.16	.54	.99	.81	.56	.48	.30	.00	7.03
8.1-10.0	93	86	11	0	0	27	97	90	19	5	72	263	313	226	159	71	0	1532
(1)	.53	.49	.06	.00	.00	.16	.56	.52	.11	.03	.41	1.51	1.80	1.30	.91	.41	.00	8.80
(2)	.22	.20	.03	.00	.00	.06	.23	.21	.04	.01	.17	.61	.73	.53	.37	.17	.00	3.58
10.1-40.3	48	21	0	0	0	6	15	19	1	0	9	372	490	391	138	42	0	1552
(1)	.28	.12	.00	.00	.00	.03	.09	.11	.01	.00	.05	2.14	2.82	2.25	.79	.24	.00	8.92
(2)	.11	.05	.00	.00	.00	.01	.04	.04	.00	.00	.02	.87	1.14	.91	.32	.10	.00	3.62
ALL SPEEDS	688	1051	1096	381	406	1052	1759	1280	1271	912	849	2025	1836	1277	905	613	0	17401
(1)	3.95	6.04	6.30	2.19	2.33	6.05	10.11	7.36	7.30	5.24	4.88	11.64	10.55	7.34	5.20	3.52	.00	100.00
(2)	1.61	2.45	2.56	.89	.95	2.46	4.11	2.99	2.97	2.13	1.98	4.73	4.29	2.98	2.11	1.43	.00	40.62

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Table 2.3-25—{NMPNS 100 ft (30-m) 2001-2005 Annual JFD}

(Page 5 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 25.73

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
(1)	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.02
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	11	15	19	18	9	7	6	2	2	9	10	12	8	6	6	8	0	148
(1)	.10	.14	.17	.16	.08	.06	.05	.02	.02	.08	.09	.11	.07	.05	.05	.07	.00	1.34
(2)	.03	.04	.04	.04	.02	.02	.01	.00	.00	.02	.02	.03	.02	.01	.01	.02	.00	.35
1.1- 1.5	24	32	41	58	39	20	18	18	24	13	26	25	23	15	19	21	0	416
(1)	.22	.29	.37	.53	.35	.18	.16	.16	.22	.12	.24	.23	.21	.14	.17	.19	.00	3.77
(2)	.06	.07	.10	.14	.09	.05	.04	.04	.06	.03	.06	.06	.05	.04	.04	.05	.00	.97
1.6- 2.0	17	30	68	101	57	39	32	31	26	26	39	43	41	25	22	27	0	624
(1)	.15	.27	.62	.92	.52	.35	.29	.28	.24	.24	.35	.39	.37	.23	.20	.24	.00	5.66
(2)	.04	.07	.16	.24	.13	.09	.07	.07	.06	.06	.09	.10	.10	.06	.05	.06	.00	1.46
2.1- 3.0	69	78	128	125	134	122	142	143	99	88	96	154	94	46	22	30	0	1570
(1)	.63	.71	1.16	1.13	1.22	1.11	1.29	1.30	.90	.80	.87	1.40	.85	.42	.20	.27	.00	14.24
(2)	.16	.18	.30	.29	.31	.28	.33	.33	.23	.21	.22	.36	.22	.11	.05	.07	.00	3.67
3.1- 4.0	42	67	56	39	46	174	303	270	242	170	154	234	74	38	16	21	0	1946
(1)	.38	.61	.51	.35	.42	1.58	2.75	2.45	2.20	1.54	1.40	2.12	.67	.34	.15	.19	.00	17.65
(2)	.10	.16	.13	.09	.11	.41	.71	.63	.56	.40	.36	.55	.17	.09	.04	.05	.00	4.54
4.1- 5.0	26	33	28	2	11	119	442	411	462	261	141	276	62	19	16	17	0	2326
(1)	.24	.30	.25	.02	.10	1.08	4.01	3.73	4.19	2.37	1.28	2.50	.56	.17	.15	.15	.00	21.10
(2)	.06	.08	.07	.00	.03	.28	1.03	.96	1.08	.61	.33	.64	.14	.04	.04	.04	.00	5.43
5.1- 6.0	16	26	11	0	4	69	412	431	418	112	132	274	52	21	16	16	0	2010
(1)	.15	.24	.10	.00	.04	.63	3.74	3.91	3.79	1.02	1.20	2.49	.47	.19	.15	.15	.00	18.23
(2)	.04	.06	.03	.00	.01	.16	.96	1.01	.98	.26	.31	.64	.12	.05	.04	.04	.00	4.69
6.1- 8.0	38	33	6	0	1	31	228	241	144	24	99	300	87	43	17	14	0	1306
(1)	.34	.30	.05	.00	.01	.28	2.07	2.19	1.31	.22	.90	2.72	.79	.39	.15	.13	.00	11.85
(2)	.09	.08	.01	.00	.00	.07	.53	.56	.34	.06	.23	.70	.20	.10	.04	.03	.00	3.05
8.1-10.0	17	10	0	0	0	1	36	36	6	0	23	145	52	34	15	4	0	379
(1)	.15	.09	.00	.00	.00	.01	.33	.33	.05	.00	.21	1.32	.47	.31	.14	.04	.00	3.44
(2)	.04	.02	.00	.00	.00	.00	.08	.08	.01	.00	.05	.34	.12	.08	.04	.01	.00	.88
10.1-40.3	2	1	0	0	0	0	4	4	0	1	10	93	124	47	7	2	0	295
(1)	.02	.01	.00	.00	.00	.00	.04	.04	.00	.01	.09	.84	1.12	.43	.06	.02	.00	2.68
(2)	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.02	.22	.29	.11	.02	.00	.00	.69
ALL SPEEDS	262	326	357	343	301	582	1623	1587	1423	704	730	1556	617	295	157	160	0	11023
(1)	2.38	2.96	3.24	3.11	2.73	5.28	14.72	14.40	12.91	6.39	6.62	14.12	5.60	2.68	1.42	1.45	.00	100.00
(2)	.61	.76	.83	.80	.70	1.36	3.79	3.70	3.32	1.64	1.70	3.63	1.44	.69	.37	.37	.00	25.73

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Table 2.3-25—{NMPNS 100 ft (30-m) 2001-2005 Annual JFD}

(Page 6 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 7.52

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	1	1	0	1	1	0	3	0	0	0	0	0	0	0	0	0	0	7
(1)	.03	.03	.00	.03	.03	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22
(2)	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.5- 1.0	6	7	12	8	8	4	4	6	7	5	10	6	5	3	5	5	0	101
(1)	.19	.22	.37	.25	.25	.12	.12	.19	.22	.16	.31	.19	.16	.09	.16	.16	.00	3.13
(2)	.01	.02	.03	.02	.02	.01	.01	.01	.02	.01	.02	.01	.01	.01	.01	.01	.00	.24
1.1- 1.5	9	4	22	22	14	10	11	4	13	18	18	9	9	8	7	3	0	181
(1)	.28	.12	.68	.68	.43	.31	.34	.12	.40	.56	.56	.28	.28	.25	.22	.09	.00	5.62
(2)	.02	.01	.05	.05	.03	.02	.03	.01	.03	.04	.04	.02	.02	.02	.02	.01	.00	.42
1.6- 2.0	9	8	24	22	24	14	19	13	17	23	32	14	19	17	13	9	0	277
(1)	.28	.25	.74	.68	.74	.43	.59	.40	.53	.71	.99	.43	.59	.53	.40	.28	.00	8.60
(2)	.02	.02	.06	.05	.06	.03	.04	.03	.04	.05	.07	.03	.04	.04	.03	.02	.00	.65
2.1- 3.0	22	21	34	34	95	75	52	56	58	51	64	59	49	12	12	10	0	704
(1)	.68	.65	1.06	1.06	2.95	2.33	1.61	1.74	1.80	1.58	1.99	1.83	1.52	.37	.37	.31	.00	21.85
(2)	.05	.05	.08	.08	.22	.18	.12	.13	.14	.12	.15	.14	.11	.03	.03	.02	.00	1.64
3.1- 4.0	24	21	19	1	33	80	92	110	83	86	62	59	30	8	5	13	0	726
(1)	.74	.65	.59	.03	1.02	2.48	2.86	3.41	2.58	2.67	1.92	1.83	.93	.25	.16	.40	.00	22.53
(2)	.06	.05	.04	.00	.08	.19	.21	.26	.19	.20	.14	.14	.07	.02	.01	.03	.00	1.69
4.1- 5.0	8	15	3	1	2	24	96	162	123	136	51	54	20	4	3	7	0	709
(1)	.25	.47	.09	.03	.06	.74	2.98	5.03	3.82	4.22	1.58	1.68	.62	.12	.09	.22	.00	22.00
(2)	.02	.04	.01	.00	.00	.06	.22	.38	.29	.32	.12	.13	.05	.01	.01	.02	.00	1.66
5.1- 6.0	15	5	0	0	0	6	40	74	87	47	10	43	13	7	2	3	0	352
(1)	.47	.16	.00	.00	.00	.19	1.24	2.30	2.70	1.46	.31	1.33	.40	.22	.06	.09	.00	10.92
(2)	.04	.01	.00	.00	.00	.01	.09	.17	.20	.11	.02	.10	.03	.02	.00	.01	.00	.82
6.1- 8.0	16	4	0	0	0	0	2	2	5	0	4	46	14	3	4	10	0	110
(1)	.50	.12	.00	.00	.00	.00	.06	.06	.16	.00	.12	1.43	.43	.09	.12	.31	.00	3.41
(2)	.04	.01	.00	.00	.00	.00	.00	.00	.01	.00	.01	.11	.03	.01	.01	.02	.00	.26
8.1-10.0	4	2	0	0	0	0	0	0	0	0	2	14	11	1	1	3	0	38
(1)	.12	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06	.43	.34	.03	.03	.09	.00	1.18
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.01	.00	.09
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	9	5	0	2	0	0	17
(1)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.16	.00	.06	.00	.00	.53
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00	.04
ALL SPEEDS	115	88	114	89	177	213	319	427	393	366	253	313	175	63	54	63	0	3222
(1)	3.57	2.73	3.54	2.76	5.49	6.61	9.90	13.25	12.20	11.36	7.85	9.71	5.43	1.96	1.68	1.96	.00	100.00
(2)	.27	.21	.27	.21	.41	.50	.74	1.00	.92	.85	.59	.73	.41	.15	.13	.15	.00	7.52

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Table 2.3-25—{NMPNS 100 ft (30-m) 2001-2005 Annual JFD}

(Page 7 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 6.56

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	4
(1)	.00	.00	.00	.04	.00	.04	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00	.00	.14
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	0	0	3	0	0	0	1	0	1	1	0	1	0	0	0	0	7
(1)	.00	.00	.00	.11	.00	.00	.00	.04	.00	.04	.04	.00	.04	.00	.00	.00	.00	.25
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.5- 1.0	3	9	11	16	14	10	6	14	5	8	13	10	7	8	5	4	0	143
(1)	.11	.32	.39	.57	.50	.36	.21	.50	.18	.28	.46	.36	.25	.28	.18	.14	.00	5.09
(2)	.01	.02	.03	.04	.03	.02	.01	.03	.01	.02	.03	.02	.02	.02	.01	.01	.00	.33
1.1- 1.5	6	10	14	27	27	22	10	9	12	19	16	14	13	7	5	5	0	216
(1)	.21	.36	.50	.96	.96	.78	.36	.32	.43	.68	.57	.50	.46	.25	.18	.18	.00	7.68
(2)	.01	.02	.03	.06	.06	.05	.02	.02	.03	.04	.04	.03	.03	.02	.01	.01	.00	.50
1.6- 2.0	3	9	7	31	31	23	26	30	26	24	20	18	12	10	4	5	0	279
(1)	.11	.32	.25	1.10	1.10	.82	.92	1.07	.92	.85	.71	.64	.43	.36	.14	.18	.00	9.92
(2)	.01	.02	.02	.07	.07	.05	.06	.07	.06	.06	.05	.04	.03	.02	.01	.01	.00	.65
2.1- 3.0	8	9	5	9	64	78	58	78	70	100	56	33	22	4	8	5	0	607
(1)	.28	.32	.18	.32	2.28	2.77	2.06	2.77	2.49	3.56	1.99	1.17	.78	.14	.28	.18	.00	21.59
(2)	.02	.02	.01	.02	.15	.18	.14	.18	.16	.23	.13	.08	.05	.01	.02	.01	.00	1.42
3.1- 4.0	7	10	6	2	14	83	74	102	124	98	26	29	12	3	3	3	0	596
(1)	.25	.36	.21	.07	.50	2.95	2.63	3.63	4.41	3.49	.92	1.03	.43	.11	.11	.11	.00	21.19
(2)	.02	.02	.01	.00	.03	.19	.17	.24	.29	.23	.06	.07	.03	.01	.01	.01	.00	1.39
4.1- 5.0	8	12	6	1	0	33	99	195	162	122	7	14	6	6	0	5	0	676
(1)	.28	.43	.21	.04	.00	1.17	3.52	6.93	5.76	4.34	.25	.50	.21	.21	.00	.18	.00	24.04
(2)	.02	.03	.01	.00	.00	.08	.23	.46	.38	.28	.02	.03	.01	.01	.00	.01	.00	1.58
5.1- 6.0	9	9	2	0	0	1	10	49	66	33	0	13	5	3	5	4	0	209
(1)	.32	.32	.07	.00	.00	.04	.36	1.74	2.35	1.17	.00	.46	.18	.11	.18	.14	.00	7.43
(2)	.02	.02	.00	.00	.00	.00	.02	.11	.15	.08	.00	.03	.01	.01	.01	.01	.00	.49
6.1- 8.0	8	7	0	0	0	0	0	0	0	1	0	13	6	4	3	8	0	50
(1)	.28	.25	.00	.00	.00	.00	.00	.00	.00	.04	.00	.46	.21	.14	.11	.28	.00	1.78
(2)	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.01	.01	.01	.02	.00	.12
8.1-10.0	1	1	0	0	0	0	0	0	0	0	0	9	2	1	2	2	0	18
(1)	.04	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.32	.07	.04	.07	.07	.00	.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.04
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	2	1	2	2	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.04	.07	.07	.00	.00	.25
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
ALL SPEEDS	53	76	51	90	150	251	283	478	465	406	141	155	87	48	37	41	0	2812
(1)	1.88	2.70	1.81	3.20	5.33	8.93	10.06	17.00	16.54	14.44	5.01	5.51	3.09	1.71	1.32	1.46	.00	100.00
(2)	.12	.18	.12	.21	.35	.59	.66	1.12	1.09	.95	.33	.36	.20	.11	.09	.10	.00	6.56

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Table 2.3-25—{NMPNS 100 ft (30-m) 2001-2005 Annual JFD}

(Page 8 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	1	0	1	0	0	0	0	2	1	0	1	1	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.3- .4	1	2	0	4	1	0	3	1	0	1	1	0	1	1	0	0	0	16
(1)	.00	.00	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
(2)	.00	.00	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
.5- 1.0	28	37	56	62	41	24	20	26	21	29	40	30	28	28	26	23	0	519
(1)	.07	.09	.13	.14	.10	.06	.05	.06	.05	.07	.09	.07	.07	.07	.06	.05	.00	1.21
(2)	.07	.09	.13	.14	.10	.06	.05	.06	.05	.07	.09	.07	.07	.07	.06	.05	.00	1.21
1.1- 1.5	66	71	127	148	109	77	63	48	64	72	73	66	70	55	59	54	0	1222
(1)	.15	.17	.30	.35	.25	.18	.15	.11	.15	.17	.17	.15	.16	.13	.14	.13	.00	2.85
(2)	.15	.17	.30	.35	.25	.18	.15	.11	.15	.17	.17	.15	.16	.13	.14	.13	.00	2.85
1.6- 2.0	89	105	210	238	189	133	128	118	102	100	104	113	117	96	91	112	0	2045
(1)	.21	.25	.49	.56	.44	.31	.30	.28	.24	.23	.24	.26	.27	.22	.21	.26	.00	4.77
(2)	.21	.25	.49	.56	.44	.31	.30	.28	.24	.23	.24	.26	.27	.22	.21	.26	.00	4.77
2.1- 3.0	257	342	467	328	431	434	483	450	400	360	287	363	346	214	192	245	0	5599
(1)	.60	.80	1.09	.77	1.01	1.01	1.13	1.05	.93	.84	.67	.85	.81	.50	.45	.57	.00	13.07
(2)	.60	.80	1.09	.77	1.01	1.01	1.13	1.05	.93	.84	.67	.85	.81	.50	.45	.57	.00	13.07
3.1- 4.0	239	336	364	126	217	594	789	774	768	602	338	599	364	210	196	172	0	6688
(1)	.56	.78	.85	.29	.51	1.39	1.84	1.81	1.79	1.41	.79	1.40	.85	.49	.46	.40	.00	15.61
(2)	.56	.78	.85	.29	.51	1.39	1.84	1.81	1.79	1.41	.79	1.40	.85	.49	.46	.40	.00	15.61
4.1- 5.0	210	308	269	23	59	465	1089	1088	1155	831	344	828	358	206	172	187	0	7592
(1)	.49	.72	.63	.05	.14	1.09	2.54	2.54	2.70	1.94	.80	1.93	.84	.48	.40	.44	.00	17.72
(2)	.49	.72	.63	.05	.14	1.09	2.54	2.54	2.70	1.94	.80	1.93	.84	.48	.40	.44	.00	17.72
5.1- 6.0	249	287	187	1	20	304	862	846	868	380	368	879	303	212	211	213	0	6190
(1)	.58	.67	.44	.00	.05	.71	2.01	1.97	2.03	.89	.86	2.05	.71	.49	.49	.50	.00	14.45
(2)	.58	.67	.44	.00	.05	.71	2.01	1.97	2.03	.89	.86	2.05	.71	.49	.49	.50	.00	14.45
6.1- 8.0	399	429	144	1	4	167	635	515	335	95	338	1066	590	416	441	331	0	5906
(1)	.93	1.00	.34	.00	.01	.39	1.48	1.20	.78	.22	.79	2.49	1.38	.97	1.03	.77	.00	13.79
(2)	.93	1.00	.34	.00	.01	.39	1.48	1.20	.78	.22	.79	2.49	1.38	.97	1.03	.77	.00	13.79
8.1-10.0	261	167	33	0	0	32	150	133	26	5	103	542	529	411	401	265	0	3058
(1)	.61	.39	.08	.00	.00	.07	.35	.31	.06	.01	.24	1.27	1.23	.96	.94	.62	.00	7.14
(2)	.61	.39	.08	.00	.00	.07	.35	.31	.06	.01	.24	1.27	1.23	.96	.94	.62	.00	7.14
10.1-40.3	179	103	14	0	0	6	23	25	1	1	21	710	939	1033	710	229	0	3994
(1)	.42	.24	.03	.00	.00	.01	.05	.06	.00	.00	.05	1.66	2.19	2.41	1.66	.53	.00	9.32
(2)	.42	.24	.03	.00	.00	.01	.05	.06	.00	.00	.05	1.66	2.19	2.41	1.66	.53	.00	9.32
ALL SPEEDS	1978	2187	1871	932	1071	2237	4245	4024	3740	2476	2019	5197	3645	2883	2500	1831	0	42836
(1)	4.62	5.11	4.37	2.18	2.50	5.22	9.91	9.39	8.73	5.78	4.71	12.13	8.51	6.73	5.84	4.27	.00	100.00
(2)	4.62	5.11	4.37	2.18	2.50	5.22	9.91	9.39	8.73	5.78	4.71	12.13	8.51	6.73	5.84	4.27	.00	100.00

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Table 2.3-26—{NMPNS 200 ft (61-m) 2001-2005 Annual JFD}

(Page 1 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 7.83

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
								WIND DIRECTION FROM										
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.06	.03	.00	.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01
1.6- 2.0	6	1	2	0	1	0	0	1	0	2	1	0	2	8	13	15	0	52
(1)	.18	.03	.06	.00	.03	.00	.00	.03	.00	.06	.03	.00	.06	.24	.39	.45	.00	1.55
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03	.03	.00	.12
2.1- 3.0	39	16	6	1	1	1	8	2	3	2	0	1	8	42	55	79	0	264
(1)	1.16	.48	.18	.03	.03	.03	.24	.06	.09	.06	.00	.03	.24	1.25	1.64	2.35	.00	7.85
(2)	.09	.04	.01	.00	.00	.00	.02	.00	.01	.00	.00	.00	.02	.10	.13	.18	.00	.61
3.1- 4.0	48	30	11	0	1	1	5	6	2	3	3	11	19	43	55	59	0	297
(1)	1.43	.89	.33	.00	.03	.03	.15	.18	.06	.09	.09	.33	.57	1.28	1.64	1.76	.00	8.84
(2)	.11	.07	.03	.00	.00	.00	.01	.01	.00	.01	.01	.03	.04	.10	.13	.14	.00	.69
4.1- 5.0	37	29	8	0	1	8	14	7	10	3	1	64	15	32	44	49	0	322
(1)	1.10	.86	.24	.00	.03	.24	.42	.21	.30	.09	.03	1.90	.45	.95	1.31	1.46	.00	9.58
(2)	.09	.07	.02	.00	.00	.02	.03	.02	.02	.01	.00	.15	.03	.07	.10	.11	.00	.75
5.1- 6.0	53	36	2	1	0	7	19	9	6	1	2	100	18	26	37	47	0	364
(1)	1.58	1.07	.06	.03	.00	.21	.57	.27	.18	.03	.06	2.98	.54	.77	1.10	1.40	.00	10.83
(2)	.12	.08	.00	.00	.00	.02	.04	.02	.01	.00	.00	.23	.04	.06	.09	.11	.00	.85
6.1- 8.0	82	58	7	3	2	7	20	19	6	0	0	159	13	31	38	70	0	515
(1)	2.44	1.73	.21	.09	.06	.21	.60	.57	.18	.00	.00	4.73	.39	.92	1.13	2.08	.00	15.32
(2)	.19	.14	.02	.01	.00	.02	.05	.04	.01	.00	.00	.37	.03	.07	.09	.16	.00	1.20
8.1-10.0	99	42	6	0	0	1	9	4	0	0	0	70	19	28	56	83	0	417
(1)	2.95	1.25	.18	.00	.00	.03	.27	.12	.00	.00	.00	2.08	.57	.83	1.67	2.47	.00	12.41
(2)	.23	.10	.01	.00	.00	.00	.02	.01	.00	.00	.00	.16	.04	.07	.13	.19	.00	.97
10.1-40.3	93	71	4	0	0	1	6	2	2	0	1	81	130	321	317	94	0	1123
(1)	2.77	2.11	.12	.00	.00	.03	.18	.06	.06	.00	.03	2.41	3.87	9.55	9.43	2.80	.00	33.41
(2)	.22	.17	.01	.00	.00	.00	.01	.00	.00	.00	.00	.19	.30	.75	.74	.22	.00	2.62
ALL SPEEDS	457	283	46	6	6	26	81	50	29	11	8	486	224	534	617	497	0	3361
(1)	13.60	8.42	1.37	.18	.18	.77	2.41	1.49	.86	.33	.24	14.46	6.66	15.89	18.36	14.79	.00	100.00
(2)	1.06	.66	.11	.01	.01	.06	.19	.12	.07	.03	.02	1.13	.52	1.24	1.44	1.16	.00	7.83

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Table 2.3-26—{NMPNS 200 ft (61-m) 2001-2005 Annual JFD}

(Page 2 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.13

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
	WIND DIRECTION FROM																	
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.05
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	4
(1)	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.09	.00	.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.6- 2.0	4	1	2	0	1	0	1	0	2	1	0	2	2	2	3	5	0	26
(1)	.18	.05	.09	.00	.05	.00	.05	.00	.09	.05	.00	.09	.09	.09	.14	.23	.00	1.18
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.06
2.1- 3.0	15	21	6	4	1	0	7	9	6	7	5	4	14	22	16	14	0	151
(1)	.68	.95	.27	.18	.05	.00	.32	.41	.27	.32	.23	.18	.64	1.00	.73	.64	.00	6.86
(2)	.03	.05	.01	.01	.00	.00	.02	.02	.01	.02	.01	.01	.03	.05	.04	.03	.00	.35
3.1- 4.0	17	21	8	4	2	4	14	15	8	2	2	10	26	18	7	9	0	167
(1)	.77	.95	.36	.18	.09	.18	.64	.68	.36	.09	.09	.45	1.18	.82	.32	.41	.00	7.59
(2)	.04	.05	.02	.01	.00	.01	.03	.03	.02	.00	.00	.02	.06	.04	.02	.02	.00	.39
4.1- 5.0	14	12	3	0	2	7	17	12	7	8	0	30	47	19	15	15	0	208
(1)	.64	.55	.14	.00	.09	.32	.77	.55	.32	.36	.00	1.36	2.14	.86	.68	.68	.00	9.45
(2)	.03	.03	.01	.00	.00	.02	.04	.03	.02	.02	.00	.07	.11	.04	.03	.03	.00	.48
5.1- 6.0	18	8	5	0	2	5	16	18	14	8	0	37	31	13	22	21	0	218
(1)	.82	.36	.23	.00	.09	.23	.73	.82	.64	.36	.00	1.68	1.41	.59	1.00	.95	.00	9.90
(2)	.04	.02	.01	.00	.00	.01	.04	.04	.03	.02	.00	.09	.07	.03	.05	.05	.00	.51
6.1- 8.0	57	29	7	0	1	4	16	26	13	3	1	73	40	38	64	47	0	419
(1)	2.59	1.32	.32	.00	.05	.18	.73	1.18	.59	.14	.05	3.32	1.82	1.73	2.91	2.14	.00	19.04
(2)	.13	.07	.02	.00	.00	.01	.04	.06	.03	.01	.00	.17	.09	.09	.15	.11	.00	.98
8.1-10.0	38	34	0	0	0	2	10	7	5	0	4	46	43	50	84	44	0	367
(1)	1.73	1.54	.00	.00	.00	.09	.45	.32	.23	.00	.18	2.09	1.95	2.27	3.82	2.00	.00	16.67
(2)	.09	.08	.00	.00	.00	.00	.02	.02	.01	.00	.01	.11	.10	.12	.20	.10	.00	.85
10.1-40.3	35	43	4	0	0	1	9	4	1	0	0	64	113	139	170	57	0	640
(1)	1.59	1.95	.18	.00	.00	.05	.41	.18	.05	.00	.00	2.91	5.13	6.32	7.72	2.59	.00	29.08
(2)	.08	.10	.01	.00	.00	.00	.02	.01	.00	.00	.00	.15	.26	.32	.40	.13	.00	1.49
ALL SPEEDS	198	170	35	8	9	23	90	91	56	29	12	266	317	301	382	214	0	2201
(1)	9.00	7.72	1.59	.36	.41	1.04	4.09	4.13	2.54	1.32	.55	12.09	14.40	13.68	17.36	9.72	.00	100.00
(2)	.46	.40	.08	.02	.02	.05	.21	.21	.13	.07	.03	.62	.74	.70	.89	.50	.00	5.13

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Table 2.3-26—{NMPNS 200 ft (61-m) 2001-2005 Annual JFD}

(Page 3 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 6.50

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
	WIND DIRECTION FROM																	
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	0	0	0	0	0	0	0	0	0	1	1	3	1	1	2	0	10
(1)	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.04	.11	.04	.04	.07	.00	.36
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.02
1.6- 2.0	4	4	1	0	1	3	1	0	3	0	3	2	3	6	2	4	0	37
(1)	.14	.14	.04	.00	.04	.11	.04	.00	.11	.00	.11	.07	.11	.22	.07	.14	.00	1.33
(2)	.01	.01	.00	.00	.00	.01	.00	.00	.01	.00	.01	.00	.01	.01	.00	.01	.00	.09
2.1- 3.0	12	24	22	7	6	7	10	7	13	5	4	4	16	12	15	9	0	173
(1)	.43	.86	.79	.25	.22	.25	.36	.25	.47	.18	.14	.14	.57	.43	.54	.32	.00	6.20
(2)	.03	.06	.05	.02	.01	.02	.02	.02	.03	.01	.01	.01	.04	.03	.03	.02	.00	.40
3.1- 4.0	13	17	20	7	1	16	11	9	23	6	9	19	40	20	13	10	0	234
(1)	.47	.61	.72	.25	.04	.57	.39	.32	.82	.22	.32	.68	1.43	.72	.47	.36	.00	8.39
(2)	.03	.04	.05	.02	.00	.04	.03	.02	.05	.01	.02	.04	.09	.05	.03	.02	.00	.54
4.1- 5.0	14	22	13	1	1	7	17	11	27	17	2	33	37	28	17	14	0	261
(1)	.50	.79	.47	.04	.04	.25	.61	.39	.97	.61	.07	1.18	1.33	1.00	.61	.50	.00	9.36
(2)	.03	.05	.03	.00	.00	.02	.04	.03	.06	.04	.00	.08	.09	.07	.04	.03	.00	.61
5.1- 6.0	28	17	10	0	4	8	28	30	28	12	3	40	47	23	30	20	0	328
(1)	1.00	.61	.36	.00	.14	.29	1.00	1.08	1.00	.43	.11	1.43	1.69	.82	1.08	.72	.00	11.76
(2)	.07	.04	.02	.00	.01	.02	.07	.07	.07	.03	.01	.09	.11	.05	.07	.05	.00	.76
6.1- 8.0	64	62	15	0	1	11	22	40	20	8	5	81	75	54	88	61	0	607
(1)	2.29	2.22	.54	.00	.04	.39	.79	1.43	.72	.29	.18	2.90	2.69	1.94	3.16	2.19	.00	21.76
(2)	.15	.14	.03	.00	.00	.03	.05	.09	.05	.02	.01	.19	.17	.13	.20	.14	.00	1.41
8.1-10.0	40	43	11	0	0	1	14	10	10	0	2	47	86	72	70	55	0	461
(1)	1.43	1.54	.39	.00	.00	.04	.50	.36	.36	.00	.07	1.69	3.08	2.58	2.51	1.97	.00	16.53
(2)	.09	.10	.03	.00	.00	.00	.03	.02	.02	.00	.00	.11	.20	.17	.16	.13	.00	1.07
10.1-40.3	39	72	9	0	0	0	6	7	4	0	4	102	152	139	94	50	0	678
(1)	1.40	2.58	.32	.00	.00	.00	.22	.25	.14	.00	.14	3.66	5.45	4.98	3.37	1.79	.00	24.31
(2)	.09	.17	.02	.00	.00	.00	.01	.02	.01	.00	.01	.24	.35	.32	.22	.12	.00	1.58
ALL SPEEDS	215	261	101	15	14	53	109	114	128	48	33	329	459	355	330	225	0	2789
(1)	7.71	9.36	3.62	.54	.50	1.90	3.91	4.09	4.59	1.72	1.18	11.80	16.46	12.73	11.83	8.07	.00	100.00
(2)	.50	.61	.24	.03	.03	.12	.25	.27	.30	.11	.08	.77	1.07	.83	.77	.52	.00	6.50

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Table 2.3-26—{NMPNS 200 ft (61-m) 2001-2005 Annual JFD}

(Page 4 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 40.73

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
	WIND DIRECTION FROM																	
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	6	12	2	5	6	3	5	1	2	5	4	7	6	7	7	2	0	80
(1)	.03	.07	.01	.03	.03	.02	.03	.01	.01	.03	.02	.04	.03	.04	.04	.01	.00	.46
(2)	.01	.03	.00	.01	.01	.01	.01	.00	.00	.01	.01	.02	.01	.02	.02	.00	.00	.19
1.1- 1.5	19	19	26	16	13	16	7	11	10	13	9	11	13	15	16	19	0	233
(1)	.11	.11	.15	.09	.07	.09	.04	.06	.06	.07	.05	.06	.07	.09	.09	.11	.00	1.33
(2)	.04	.04	.06	.04	.03	.04	.02	.03	.02	.03	.02	.03	.03	.03	.04	.04	.00	.54
1.6- 2.0	27	46	40	31	24	23	32	26	10	13	14	18	29	26	25	38	0	422
(1)	.15	.26	.23	.18	.14	.13	.18	.15	.06	.07	.08	.10	.17	.15	.14	.22	.00	2.41
(2)	.06	.11	.09	.07	.06	.05	.07	.06	.02	.03	.03	.04	.07	.06	.06	.09	.00	.98
2.1- 3.0	70	115	140	93	90	79	106	91	82	51	39	69	119	67	55	76	0	1342
(1)	.40	.66	.80	.53	.51	.45	.61	.52	.47	.29	.22	.39	.68	.38	.31	.43	.00	7.67
(2)	.16	.27	.33	.22	.21	.18	.25	.21	.19	.12	.09	.16	.28	.16	.13	.18	.00	3.13
3.1- 4.0	67	105	146	69	69	85	140	129	118	105	47	113	170	84	90	51	0	1588
(1)	.38	.60	.83	.39	.39	.49	.80	.74	.67	.60	.27	.65	.97	.48	.51	.29	.00	9.08
(2)	.16	.24	.34	.16	.16	.20	.33	.30	.27	.24	.11	.26	.40	.20	.21	.12	.00	3.70
4.1- 5.0	76	125	158	52	61	128	173	179	192	184	78	185	195	91	100	74	0	2051
(1)	.43	.71	.90	.30	.35	.73	.99	1.02	1.10	1.05	.45	1.06	1.12	.52	.57	.42	.00	11.73
(2)	.18	.29	.37	.12	.14	.30	.40	.42	.45	.43	.18	.43	.45	.21	.23	.17	.00	4.78
5.1- 6.0	107	153	154	25	60	183	302	203	240	235	143	232	182	112	97	84	0	2512
(1)	.61	.87	.88	.14	.34	1.05	1.73	1.16	1.37	1.34	.82	1.33	1.04	.64	.55	.48	.00	14.36
(2)	.25	.36	.36	.06	.14	.43	.70	.47	.56	.55	.33	.54	.42	.26	.23	.20	.00	5.85
6.1- 8.0	146	260	176	9	25	259	543	335	429	312	347	460	349	232	201	144	0	4227
(1)	.83	1.49	1.01	.05	.14	1.48	3.11	1.92	2.45	1.78	1.98	2.63	2.00	1.33	1.15	.82	.00	24.17
(2)	.34	.61	.41	.02	.06	.60	1.26	.78	1.00	.73	.81	1.07	.81	.54	.47	.34	.00	9.84
8.1-10.0	96	228	69	0	10	79	294	224	157	41	137	327	345	209	171	83	0	2470
(1)	.55	1.30	.39	.00	.06	.45	1.68	1.28	.90	.23	.78	1.87	1.97	1.20	.98	.47	.00	14.12
(2)	.22	.53	.16	.00	.02	.18	.68	.52	.37	.10	.32	.76	.80	.49	.40	.19	.00	5.75
10.1-40.3	97	184	33	1	1	27	151	141	41	3	36	487	672	472	164	51	0	2561
(1)	.55	1.05	.19	.01	.01	.15	.86	.81	.23	.02	.21	2.78	3.84	2.70	.94	.29	.00	14.65
(2)	.23	.43	.08	.00	.00	.06	.35	.33	.10	.01	.08	1.13	1.57	1.10	.38	.12	.00	5.96
ALL SPEEDS	711	1247	944	301	359	882	1753	1340	1281	962	854	1909	2080	1315	927	622	0	17487
(1)	4.07	7.13	5.40	1.72	2.05	5.04	10.02	7.66	7.33	5.50	4.88	10.92	11.89	7.52	5.30	3.56	.00	100.00
(2)	1.66	2.90	2.20	.70	.84	2.05	4.08	3.12	2.98	2.24	1.99	4.45	4.84	3.06	2.16	1.45	.00	40.73

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Table 2.3-26—{NMPNS 200 ft (61-m) 2001-2005 Annual JFD}

(Page 5 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 25.71

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
	WIND DIRECTION FROM																	
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	8	9	6	2	6	7	4	4	8	5	5	7	2	5	4	3	0	85
(1)	.07	.08	.05	.02	.05	.06	.04	.04	.07	.05	.05	.06	.02	.05	.04	.03	.00	.77
(2)	.02	.02	.01	.00	.01	.02	.01	.01	.02	.01	.01	.02	.00	.01	.01	.01	.00	.20
1.1- 1.5	20	19	24	17	13	8	14	8	5	11	18	15	20	18	5	10	0	225
(1)	.18	.17	.22	.15	.12	.07	.13	.07	.05	.10	.16	.14	.18	.16	.05	.09	.00	2.04
(2)	.05	.04	.06	.04	.03	.02	.03	.02	.01	.03	.04	.03	.05	.04	.01	.02	.00	.52
1.6- 2.0	21	20	36	49	22	16	11	9	13	9	17	31	20	18	14	8	0	314
(1)	.19	.18	.33	.44	.20	.14	.10	.08	.12	.08	.15	.28	.18	.16	.13	.07	.00	2.84
(2)	.05	.05	.08	.11	.05	.04	.03	.02	.03	.02	.04	.07	.05	.04	.03	.02	.00	.73
2.1- 3.0	55	50	87	103	70	49	32	49	36	25	62	98	90	61	28	42	0	937
(1)	.50	.45	.79	.93	.63	.44	.29	.44	.33	.23	.56	.89	.82	.55	.25	.38	.00	8.49
(2)	.13	.12	.20	.24	.16	.11	.07	.11	.08	.06	.14	.23	.21	.14	.07	.10	.00	2.18
3.1- 4.0	44	37	87	86	76	71	74	71	56	47	90	120	98	39	32	22	0	1050
(1)	.40	.34	.79	.78	.69	.64	.67	.64	.51	.43	.82	1.09	.89	.35	.29	.20	.00	9.51
(2)	.10	.09	.20	.20	.18	.17	.17	.17	.13	.11	.21	.28	.23	.09	.07	.05	.00	2.45
4.1- 5.0	35	48	46	38	51	82	146	110	110	95	90	193	100	28	20	20	0	1212
(1)	.32	.43	.42	.34	.46	.74	1.32	1.00	1.00	.86	.82	1.75	.91	.25	.18	.18	.00	10.98
(2)	.08	.11	.11	.09	.12	.19	.34	.26	.26	.22	.21	.45	.23	.07	.05	.05	.00	2.82
5.1- 6.0	28	29	33	14	20	82	234	195	225	189	135	232	97	30	12	14	0	1569
(1)	.25	.26	.30	.13	.18	.74	2.12	1.77	2.04	1.71	1.22	2.10	.88	.27	.11	.13	.00	14.21
(2)	.07	.07	.08	.03	.05	.19	.54	.45	.52	.44	.31	.54	.23	.07	.03	.03	.00	3.65
6.1- 8.0	37	59	25	2	12	103	585	652	665	400	205	384	131	41	37	26	0	3364
(1)	.34	.53	.23	.02	.11	.93	5.30	5.91	6.02	3.62	1.86	3.48	1.19	.37	.34	.24	.00	30.47
(2)	.09	.14	.06	.00	.03	.24	1.36	1.52	1.55	.93	.48	.89	.31	.10	.09	.06	.00	7.83
8.1-10.0	32	31	8	0	0	22	224	400	292	65	63	201	116	46	22	9	0	1531
(1)	.29	.28	.07	.00	.00	.20	2.03	3.62	2.65	.59	.57	1.82	1.05	.42	.20	.08	.00	13.87
(2)	.07	.07	.02	.00	.00	.05	.52	.93	.68	.15	.15	.47	.27	.11	.05	.02	.00	3.57
10.1-40.3	31	56	1	0	0	1	58	87	9	3	22	211	190	69	10	3	0	751
(1)	.28	.51	.01	.00	.00	.01	.53	.79	.08	.03	.20	1.91	1.72	.63	.09	.03	.00	6.80
(2)	.07	.13	.00	.00	.00	.00	.14	.20	.02	.01	.05	.49	.44	.16	.02	.01	.00	1.75
ALL SPEEDS	311	358	353	311	270	441	1383	1585	1419	849	707	1492	864	355	184	157	0	11039
(1)	2.82	3.24	3.20	2.82	2.45	3.99	12.53	14.36	12.85	7.69	6.40	13.52	7.83	3.22	1.67	1.42	.00	100.00
(2)	.72	.83	.82	.72	.63	1.03	3.22	3.69	3.30	1.98	1.65	3.47	2.01	.83	.43	.37	.00	25.71

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Table 2.3-26—{NMPNS 200 ft (61-m) 2001-2005 Annual JFD}

(Page 6 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 7.55

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
	WIND DIRECTION FROM																	
LT .3	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.06
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	6	5	2	8	6	3	3	1	6	0	5	4	5	7	2	3	0	66
(1)	.19	.15	.06	.25	.19	.09	.09	.03	.19	.00	.15	.12	.15	.22	.06	.09	.00	2.04
(2)	.01	.01	.00	.02	.01	.01	.01	.00	.01	.00	.01	.01	.01	.02	.00	.01	.00	.15
1.1- 1.5	7	7	9	15	7	9	3	6	4	8	14	10	14	3	6	7	0	129
(1)	.22	.22	.28	.46	.22	.28	.09	.19	.12	.25	.43	.31	.43	.09	.19	.22	.00	3.98
(2)	.02	.02	.02	.03	.02	.02	.01	.01	.01	.02	.03	.02	.03	.01	.01	.02	.00	.30
1.6- 2.0	6	10	17	9	9	13	4	13	6	10	10	14	12	8	11	3	0	155
(1)	.19	.31	.52	.28	.28	.40	.12	.40	.19	.31	.31	.43	.37	.25	.34	.09	.00	4.78
(2)	.01	.02	.04	.02	.02	.03	.01	.03	.01	.02	.02	.03	.03	.02	.03	.01	.00	.36
2.1- 3.0	14	16	23	33	35	22	19	20	17	25	44	62	42	26	15	10	0	423
(1)	.43	.49	.71	1.02	1.08	.68	.59	.62	.52	.77	1.36	1.91	1.30	.80	.46	.31	.00	13.05
(2)	.03	.04	.05	.08	.08	.05	.04	.05	.04	.06	.10	.14	.10	.06	.03	.02	.00	.99
3.1- 4.0	10	13	22	35	60	25	20	25	22	33	60	71	34	17	8	11	0	466
(1)	.31	.40	.68	1.08	1.85	.77	.62	.77	.68	1.02	1.85	2.19	1.05	.52	.25	.34	.00	14.38
(2)	.02	.03	.05	.08	.14	.06	.05	.06	.05	.08	.14	.17	.08	.04	.02	.03	.00	1.09
4.1- 5.0	13	8	14	21	22	32	29	31	31	33	50	67	31	12	7	11	0	412
(1)	.40	.25	.43	.65	.68	.99	.89	.96	.96	1.02	1.54	2.07	.96	.37	.22	.34	.00	12.71
(2)	.03	.02	.03	.05	.05	.07	.07	.07	.07	.08	.12	.16	.07	.03	.02	.03	.00	.96
5.1- 6.0	18	8	7	1	18	31	32	51	49	47	72	61	24	4	6	6	0	435
(1)	.56	.25	.22	.03	.56	.96	.99	1.57	1.51	1.45	2.22	1.88	.74	.12	.19	.19	.00	13.42
(2)	.04	.02	.02	.00	.04	.07	.07	.12	.11	.11	.17	.14	.06	.01	.01	.01	.00	1.01
6.1- 8.0	18	20	5	0	6	33	92	177	151	154	112	59	31	11	2	9	0	880
(1)	.56	.62	.15	.00	.19	1.02	2.84	5.46	4.66	4.75	3.46	1.82	.96	.34	.06	.28	.00	27.15
(2)	.04	.05	.01	.00	.01	.08	.21	.41	.35	.36	.26	.14	.07	.03	.00	.02	.00	2.05
8.1-10.0	14	16	1	0	0	1	18	30	27	21	3	21	21	4	0	7	0	184
(1)	.43	.49	.03	.00	.00	.03	.56	.93	.83	.65	.09	.65	.65	.12	.00	.22	.00	5.68
(2)	.03	.04	.00	.00	.00	.00	.04	.07	.06	.05	.01	.05	.05	.01	.00	.02	.00	.43
10.1-40.3	16	9	0	0	0	0	0	0	0	0	4	28	21	5	3	1	0	87
(1)	.49	.28	.00	.00	.00	.00	.00	.00	.00	.00	.12	.86	.65	.15	.09	.03	.00	2.68
(2)	.04	.02	.00	.00	.00	.00	.00	.00	.00	.00	.01	.07	.05	.01	.01	.00	.00	.20
ALL SPEEDS	122	112	100	122	164	170	220	354	313	331	374	398	235	98	60	68	0	3241
(1)	3.76	3.46	3.09	3.76	5.06	5.25	6.79	10.92	9.66	10.21	11.54	12.28	7.25	3.02	1.85	2.10	.00	100.00
(2)	.28	.26	.23	.28	.38	.40	.51	.82	.73	.77	.87	.93	.55	.23	.14	.16	.00	7.55

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Table 2.3-26—{NMPNS 200 ft (61-m) 2001-2005 Annual JFD}

(Page 7 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 6.56

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
	WIND DIRECTION FROM																	
LT .3	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.04	.00	.00	.00	.00	.07
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	1	2	0	0	0	1	0	1	0	0	1	0	0	0	6
(1)	.00	.00	.00	.04	.07	.00	.00	.00	.04	.00	.04	.00	.00	.04	.00	.00	.00	.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.5- 1.0	5	6	9	10	11	8	5	10	4	12	2	4	3	5	6	4	0	104
(1)	.18	.21	.32	.35	.39	.28	.18	.35	.14	.43	.07	.14	.11	.18	.21	.14	.00	3.69
(2)	.01	.01	.02	.02	.03	.02	.01	.02	.01	.03	.00	.01	.01	.01	.01	.01	.00	.24
1.1- 1.5	6	14	11	17	10	11	11	16	19	19	15	15	11	8	5	8	0	196
(1)	.21	.50	.39	.60	.35	.39	.39	.57	.67	.67	.53	.53	.39	.28	.18	.28	.00	6.96
(2)	.01	.03	.03	.04	.02	.03	.03	.04	.04	.04	.03	.03	.03	.02	.01	.02	.00	.46
1.6- 2.0	9	8	25	16	20	18	8	16	14	15	17	21	13	6	5	13	0	224
(1)	.32	.28	.89	.57	.71	.64	.28	.57	.50	.53	.60	.75	.46	.21	.18	.46	.00	7.95
(2)	.02	.02	.06	.04	.05	.04	.02	.04	.03	.03	.04	.05	.03	.01	.01	.03	.00	.52
2.1- 3.0	17	15	24	46	51	28	28	35	27	49	79	55	29	18	9	7	0	517
(1)	.60	.53	.85	1.63	1.81	.99	.99	1.24	.96	1.74	2.80	1.95	1.03	.64	.32	.25	.00	18.35
(2)	.04	.03	.06	.11	.12	.07	.07	.08	.06	.11	.18	.13	.07	.04	.02	.02	.00	1.20
3.1- 4.0	4	8	7	15	32	27	36	45	41	61	73	69	15	5	7	6	0	451
(1)	.14	.28	.25	.53	1.14	.96	1.28	1.60	1.45	2.16	2.59	2.45	.53	.18	.25	.21	.00	16.00
(2)	.01	.02	.02	.03	.07	.06	.08	.10	.10	.14	.17	.16	.03	.01	.02	.01	.00	1.05
4.1- 5.0	6	4	1	8	18	34	37	48	44	43	75	60	12	4	3	2	0	399
(1)	.21	.14	.04	.28	.64	1.21	1.31	1.70	1.56	1.53	2.66	2.13	.43	.14	.11	.07	.00	14.16
(2)	.01	.01	.00	.02	.04	.08	.09	.11	.10	.10	.17	.14	.03	.01	.01	.00	.00	.93
5.1- 6.0	1	4	3	0	3	19	43	52	57	43	73	36	7	3	1	2	0	347
(1)	.04	.14	.11	.00	.11	.67	1.53	1.85	2.02	1.53	2.59	1.28	.25	.11	.04	.07	.00	12.31
(2)	.00	.01	.01	.00	.01	.04	.10	.12	.13	.10	.17	.08	.02	.01	.00	.00	.00	.81
6.1- 8.0	6	13	6	0	2	22	53	82	120	58	46	20	6	6	3	5	0	448
(1)	.21	.46	.21	.00	.07	.78	1.88	2.91	4.26	2.06	1.63	.71	.21	.21	.11	.18	.00	15.90
(2)	.01	.03	.01	.00	.00	.05	.12	.19	.28	.14	.11	.05	.01	.01	.01	.01	.00	1.04
8.1-10.0	13	18	2	0	0	1	4	3	5	3	2	3	5	4	5	2	0	70
(1)	.46	.64	.07	.00	.00	.04	.14	.11	.18	.11	.07	.11	.18	.14	.18	.07	.00	2.48
(2)	.03	.04	.00	.00	.00	.00	.01	.01	.01	.01	.00	.01	.01	.01	.01	.00	.00	.16
10.1-40.3	11	12	0	0	0	0	0	0	0	0	0	9	13	2	7	0	0	54
(1)	.39	.43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.32	.46	.07	.25	.00	.00	1.92
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03	.00	.02	.00	.00	.13
ALL SPEEDS	78	102	88	113	149	168	225	307	332	304	383	292	115	62	51	49	0	2818
(1)	2.77	3.62	3.12	4.01	5.29	5.96	7.98	10.89	11.78	10.79	13.59	10.36	4.08	2.20	1.81	1.74	.00	100.00
(2)	.18	.24	.20	.26	.35	.39	.52	.72	.77	.71	.89	.68	.27	.14	.12	.11	.00	6.56

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Table 2.3-26—{NMPNS 200 ft (61-m) 2001-2005 Annual JFD}

(Page 8 of 8)

NMP JAN01-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
	WIND DIRECTION FROM																	
LT .3	0	0	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	0	0	1	2	0	1	0	1	0	1	1	0	2	1	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.5- 1.0	25	32	19	26	29	21	17	16	20	22	16	22	17	24	19	12	0	337
(1)	.06	.07	.04	.06	.07	.05	.04	.04	.05	.05	.04	.05	.04	.06	.04	.03	.00	.78
(2)	.06	.07	.04	.06	.07	.05	.04	.04	.05	.05	.04	.05	.04	.06	.04	.03	.00	.78
1.1- 1.5	53	60	70	65	43	44	35	41	38	51	57	52	61	48	36	49	0	803
(1)	.12	.14	.16	.15	.10	.10	.08	.10	.09	.12	.13	.12	.14	.11	.08	.11	.00	1.87
(2)	.12	.14	.16	.15	.10	.10	.08	.10	.09	.12	.13	.12	.14	.11	.08	.11	.00	1.87
1.6- 2.0	77	90	123	105	78	73	57	65	48	50	62	88	81	74	73	86	0	1230
(1)	.18	.21	.29	.24	.18	.17	.13	.15	.11	.12	.14	.20	.19	.17	.17	.20	.00	2.86
(2)	.18	.21	.29	.24	.18	.17	.13	.15	.11	.12	.14	.20	.19	.17	.17	.20	.00	2.86
2.1- 3.0	222	257	308	287	254	186	210	213	184	164	233	293	318	248	193	237	0	3807
(1)	.52	.60	.72	.67	.59	.43	.49	.50	.43	.38	.54	.68	.74	.58	.45	.55	.00	8.87
(2)	.52	.60	.72	.67	.59	.43	.49	.50	.43	.38	.54	.68	.74	.58	.45	.55	.00	8.87
3.1- 4.0	203	231	301	216	241	229	300	300	270	257	284	413	402	226	212	168	0	4253
(1)	.47	.54	.70	.50	.56	.53	.70	.70	.63	.60	.66	.96	.94	.53	.49	.39	.00	9.91
(2)	.47	.54	.70	.50	.56	.53	.70	.70	.63	.60	.66	.96	.94	.53	.49	.39	.00	9.91
4.1- 5.0	195	248	243	120	156	298	433	398	421	383	296	632	437	214	206	185	0	4865
(1)	.45	.58	.57	.28	.36	.69	1.01	.93	.98	.89	.69	1.47	1.02	.50	.48	.43	.00	11.33
(2)	.45	.58	.57	.28	.36	.69	1.01	.93	.98	.89	.69	1.47	1.02	.50	.48	.43	.00	11.33
5.1- 6.0	253	255	214	41	107	335	674	558	619	535	428	738	406	211	205	194	0	5773
(1)	.59	.59	.50	.10	.25	.78	1.57	1.30	1.44	1.25	1.00	1.72	.95	.49	.48	.45	.00	13.45
(2)	.59	.59	.50	.10	.25	.78	1.57	1.30	1.44	1.25	1.00	1.72	.95	.49	.48	.45	.00	13.45
6.1- 8.0	410	501	241	14	49	439	1331	1331	1404	935	716	1236	645	413	433	362	0	10460
(1)	.95	1.17	.56	.03	.11	1.02	3.10	3.10	3.27	2.18	1.67	2.88	1.50	.96	1.01	.84	.00	24.36
(2)	.95	1.17	.56	.03	.11	1.02	3.10	3.10	3.27	2.18	1.67	2.88	1.50	.96	1.01	.84	.00	24.36
8.1-10.0	332	412	97	0	10	107	573	678	496	130	211	715	635	413	408	283	0	5500
(1)	.77	.96	.23	.00	.02	.25	1.33	1.58	1.16	.30	.49	1.67	1.48	.96	.95	.66	.00	12.81
(2)	.77	.96	.23	.00	.02	.25	1.33	1.58	1.16	.30	.49	1.67	1.48	.96	.95	.66	.00	12.81
10.1-40.3	322	447	51	1	1	30	230	241	57	6	67	982	1291	1147	765	256	0	5894
(1)	.75	1.04	.12	.00	.00	.07	.54	.56	.13	.01	.16	2.29	3.01	2.67	1.78	.60	.00	13.73
(2)	.75	1.04	.12	.00	.00	.07	.54	.56	.13	.01	.16	2.29	3.01	2.67	1.78	.60	.00	13.73
ALL SPEEDS	2092	2533	1667	876	971	1763	3861	3841	3558	2534	2371	5172	4294	3020	2551	1832	0	42936
(1)	4.87	5.90	3.88	2.04	2.26	4.11	8.99	8.95	8.29	5.90	5.52	12.05	10.00	7.03	5.94	4.27	.00	100.00
(2)	4.87	5.90	3.88	2.04	2.26	4.11	8.99	8.95	8.29	5.90	5.52	12.05	10.00	7.03	5.94	4.27	.00	100.00

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Table 2.3-27—{NMPNS 30 ft (9-m) 2001-2005 Winter JFD}

(Page 1 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 7.50

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.1- 1.5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.12	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25
(2)	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
1.6- 2.0	1	1	2	1	0	1	0	1	0	1	0	0	0	0	0	2	0	10
(1)	.12	.12	.25	.12	.00	.12	.00	.12	.00	.12	.00	.00	.00	.00	.00	.25	.00	1.24
(2)	.01	.01	.02	.01	.00	.01	.00	.01	.00	.01	.00	.00	.00	.00	.00	.02	.00	.09
2.1- 3.0	2	6	5	1	0	0	1	1	3	1	0	0	0	1	4	1	0	26
(1)	.25	.75	.62	.12	.00	.00	.12	.12	.37	.12	.00	.00	.00	.12	.50	.12	.00	3.23
(2)	.02	.06	.05	.01	.00	.00	.01	.01	.03	.01	.00	.00	.00	.01	.04	.01	.00	.24
3.1- 4.0	3	7	3	0	0	1	1	0	0	0	0	0	0	0	2	5	0	22
(1)	.37	.87	.37	.00	.00	.12	.12	.00	.00	.00	.00	.00	.00	.00	.25	.62	.00	2.74
(2)	.03	.07	.03	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.02	.05	.00	.21
4.1- 5.0	15	4	0	0	0	0	0	1	0	0	0	0	0	1	7	5	0	33
(1)	1.87	.50	.00	.00	.00	.00	.00	.12	.00	.00	.00	.00	.00	.12	.87	.62	.00	4.10
(2)	.14	.04	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01	.07	.05	.00	.31
5.1- 6.0	17	9	0	0	0	0	0	1	1	0	0	0	0	3	9	17	0	57
(1)	2.11	1.12	.00	.00	.00	.00	.00	.12	.12	.00	.00	.00	.00	.37	1.12	2.11	.00	7.09
(2)	.16	.08	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.03	.08	.16	.00	.53
6.1- 8.0	53	13	5	0	0	0	2	0	0	0	0	6	1	11	51	46	0	188
(1)	6.59	1.62	.62	.00	.00	.00	.25	.00	.00	.00	.00	.75	.12	1.37	6.34	5.72	.00	23.38
(2)	.49	.12	.05	.00	.00	.00	.02	.00	.00	.00	.00	.06	.01	.10	.48	.43	.00	1.75
8.1-10.0	16	2	2	0	0	0	0	0	0	0	0	7	2	43	96	16	0	184
(1)	1.99	.25	.25	.00	.00	.00	.00	.00	.00	.00	.00	.87	.25	5.35	11.94	1.99	.00	22.89
(2)	.15	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.07	.02	.40	.90	.15	.00	1.72
10.1-40.3	4	0	0	0	0	0	0	0	0	0	0	17	20	151	87	2	0	281
(1)	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.11	2.49	18.78	10.82	.25	.00	34.95
(2)	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.19	1.41	.81	.02	.00	2.62
ALL SPEEDS	112	43	17	3	0	2	4	4	4	2	0	30	23	210	256	94	0	804
(1)	13.93	5.35	2.11	.37	.00	.25	.50	.50	.50	.25	.00	3.73	2.86	26.12	31.84	11.69	.00	100.00
(2)	1.05	.40	.16	.03	.00	.02	.04	.04	.04	.02	.00	.28	.21	1.96	2.39	.88	.00	7.50

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Table 2.3-27—{NMPNS 30 ft (9-m) 2001-2005 Winter JFD}

(Page 2 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.80

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16
(2)	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.6- 2.0	3	1	0	2	1	0	0	0	1	0	0	0	0	0	3	1	0	12
(1)	.48	.16	.00	.32	.16	.00	.00	.00	.16	.00	.00	.00	.00	.00	.48	.16	.00	1.93
(2)	.03	.01	.00	.02	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.03	.01	.00	.11
2.1- 3.0	3	4	3	4	1	2	3	0	0	0	0	0	0	3	3	4	0	30
(1)	.48	.64	.48	.64	.16	.32	.48	.00	.00	.00	.00	.00	.00	.48	.48	.64	.00	4.83
(2)	.03	.04	.03	.04	.01	.02	.03	.00	.00	.00	.00	.00	.00	.03	.03	.04	.00	.28
3.1- 4.0	4	9	4	0	1	1	5	4	0	0	0	0	0	2	6	2	0	38
(1)	.64	1.45	.64	.00	.16	.16	.81	.64	.00	.00	.00	.00	.00	.32	.97	.32	.00	6.12
(2)	.04	.08	.04	.00	.01	.01	.05	.04	.00	.00	.00	.00	.00	.02	.06	.02	.00	.35
4.1- 5.0	20	25	3	0	0	0	1	0	1	0	0	3	0	5	17	15	0	90
(1)	3.22	4.03	.48	.00	.00	.00	.16	.00	.16	.00	.00	.48	.00	.81	2.74	2.42	.00	14.49
(2)	.19	.23	.03	.00	.00	.00	.01	.00	.01	.00	.00	.03	.00	.05	.16	.14	.00	.84
5.1- 6.0	26	9	5	0	0	0	0	0	0	0	1	3	2	13	27	12	0	98
(1)	4.19	1.45	.81	.00	.00	.00	.00	.00	.00	.00	.16	.48	.32	2.09	4.35	1.93	.00	15.78
(2)	.24	.08	.05	.00	.00	.00	.00	.00	.00	.00	.01	.03	.02	.12	.25	.11	.00	.91
6.1- 8.0	12	8	13	0	0	0	1	0	0	0	0	5	3	23	75	33	0	173
(1)	1.93	1.29	2.09	.00	.00	.00	.16	.00	.00	.00	.00	.81	.48	3.70	12.08	5.31	.00	27.86
(2)	.11	.07	.12	.00	.00	.00	.01	.00	.00	.00	.00	.05	.03	.21	.70	.31	.00	1.61
8.1-10.0	3	0	0	0	0	0	0	0	0	0	0	9	4	18	45	4	0	83
(1)	.48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.45	.64	2.90	7.25	.64	.00	13.37
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.04	.17	.42	.04	.00	.77
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	8	16	47	24	0	0	96
(1)	.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.29	2.58	7.57	3.86	.00	.00	15.46
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.15	.44	.22	.00	.00	.90
ALL SPEEDS	72	57	28	6	3	3	10	4	2	0	1	28	25	111	200	71	0	621
(1)	11.59	9.18	4.51	.97	.48	.48	1.61	.64	.32	.00	.16	4.51	4.03	17.87	32.21	11.43	.00	100.00
(2)	.67	.53	.26	.06	.03	.03	.09	.04	.02	.00	.01	.26	.23	1.04	1.87	.66	.00	5.80

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Table 2.3-27—{NMPNS 30 ft (9-m) 2001-2005 Winter JFD}

(Page 3 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.55

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	1	0	0	2	2	0	0	0	1	0	1	0	0	0	0	0	8
(1)	.12	.12	.00	.00	.25	.25	.00	.00	.00	.12	.00	.12	.00	.00	.00	.00	.00	.99
(2)	.01	.01	.00	.00	.02	.02	.00	.00	.00	.01	.00	.01	.00	.00	.00	.00	.00	.07
1.6- 2.0	2	3	3	2	2	1	2	0	0	0	0	1	0	1	0	4	0	21
(1)	.25	.37	.37	.25	.25	.12	.25	.00	.00	.00	.00	.12	.00	.12	.00	.49	.00	2.60
(2)	.02	.03	.03	.02	.02	.01	.02	.00	.00	.00	.00	.01	.00	.01	.00	.04	.00	.20
2.1- 3.0	4	12	18	6	0	2	5	0	1	0	0	1	1	6	4	4	0	64
(1)	.49	1.48	2.22	.74	.00	.25	.62	.00	.12	.00	.00	.12	.12	.74	.49	.49	.00	7.91
(2)	.04	.11	.17	.06	.00	.02	.05	.00	.01	.00	.00	.01	.01	.06	.04	.04	.00	.60
3.1- 4.0	8	20	10	1	0	4	6	1	1	0	1	1	1	8	11	16	0	89
(1)	.99	2.47	1.24	.12	.00	.49	.74	.12	.12	.00	.12	.12	.12	.99	1.36	1.98	.00	11.00
(2)	.07	.19	.09	.01	.00	.04	.06	.01	.01	.00	.01	.01	.01	.07	.10	.15	.00	.83
4.1- 5.0	20	26	17	0	0	1	0	5	3	1	0	1	0	4	20	25	0	123
(1)	2.47	3.21	2.10	.00	.00	.12	.00	.62	.37	.12	.00	.12	.00	.49	2.47	3.09	.00	15.20
(2)	.19	.24	.16	.00	.00	.01	.00	.05	.03	.01	.00	.01	.00	.04	.19	.23	.00	1.15
5.1- 6.0	16	15	16	0	0	0	1	0	0	0	0	6	2	17	33	21	0	127
(1)	1.98	1.85	1.98	.00	.00	.00	.12	.00	.00	.00	.00	.74	.25	2.10	4.08	2.60	.00	15.70
(2)	.15	.14	.15	.00	.00	.00	.01	.00	.00	.00	.00	.06	.02	.16	.31	.20	.00	1.19
6.1- 8.0	14	14	7	0	0	0	0	0	1	0	2	12	2	20	52	32	0	156
(1)	1.73	1.73	.87	.00	.00	.00	.00	.00	.12	.00	.25	1.48	.25	2.47	6.43	3.96	.00	19.28
(2)	.13	.13	.07	.00	.00	.00	.00	.00	.01	.00	.02	.11	.02	.19	.49	.30	.00	1.46
8.1-10.0	3	0	0	0	0	0	0	0	0	0	2	9	12	18	31	2	0	77
(1)	.37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	1.11	1.48	2.22	3.83	.25	.00	9.52
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.08	.11	.17	.29	.02	.00	.72
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	42	26	65	11	0	0	144
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.19	3.21	8.03	1.36	.00	.00	17.80
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.39	.24	.61	.10	.00	.00	1.34
ALL SPEEDS	68	91	71	9	4	10	14	6	6	2	5	74	44	139	162	104	0	809
(1)	8.41	11.25	8.78	1.11	.49	1.24	1.73	.74	.74	.25	.62	9.15	5.44	17.18	20.02	12.86	.00	100.00
(2)	.63	.85	.66	.08	.04	.09	.13	.06	.06	.02	.05	.69	.41	1.30	1.51	.97	.00	7.55

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Table 2.3-27—{NMPNS 30 ft (9-m) 2001-2005 Winter JFD}

(Page 4 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 54.55

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.02	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.3- .4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.5- 1.0	0	3	7	8	7	2	8	1	6	2	3	2	0	3	3	2	0	57
(1)	.00	.05	.12	.14	.12	.03	.14	.02	.10	.03	.05	.03	.00	.05	.05	.03	.00	.98
(2)	.00	.03	.07	.07	.07	.02	.07	.01	.06	.02	.03	.02	.00	.03	.03	.02	.00	.53
1.1- 1.5	6	8	18	25	30	25	34	14	11	7	4	5	0	2	4	5	0	198
(1)	.10	.14	.31	.43	.51	.43	.58	.24	.19	.12	.07	.09	.00	.03	.07	.09	.00	3.39
(2)	.06	.07	.17	.23	.28	.23	.32	.13	.10	.07	.04	.05	.00	.02	.04	.05	.00	1.85
1.6- 2.0	11	21	37	64	53	64	56	36	24	8	6	7	4	6	9	14	0	420
(1)	.19	.36	.63	1.10	.91	1.10	.96	.62	.41	.14	.10	.12	.07	.10	.15	.24	.00	7.19
(2)	.10	.20	.35	.60	.49	.60	.52	.34	.22	.07	.06	.07	.04	.06	.08	.13	.00	3.92
2.1- 3.0	28	89	116	48	93	150	162	123	109	97	31	20	21	17	35	39	0	1178
(1)	.48	1.52	1.98	.82	1.59	2.57	2.77	2.10	1.87	1.66	.53	.34	.36	.29	.60	.67	.00	20.16
(2)	.26	.83	1.08	.45	.87	1.40	1.51	1.15	1.02	.91	.29	.19	.20	.16	.33	.36	.00	11.00
3.1- 4.0	36	75	90	6	26	113	171	108	186	209	86	34	15	24	35	53	0	1267
(1)	.62	1.28	1.54	.10	.44	1.93	2.93	1.85	3.18	3.58	1.47	.58	.26	.41	.60	.91	.00	21.68
(2)	.34	.70	.84	.06	.24	1.05	1.60	1.01	1.74	1.95	.80	.32	.14	.22	.33	.49	.00	11.83
4.1- 5.0	31	43	45	0	2	67	104	80	87	140	155	38	17	39	66	48	0	962
(1)	.53	.74	.77	.00	.03	1.15	1.78	1.37	1.49	2.40	2.65	.65	.29	.67	1.13	.82	.00	16.46
(2)	.29	.40	.42	.00	.02	.63	.97	.75	.81	1.31	1.45	.35	.16	.36	.62	.45	.00	8.98
5.1- 6.0	27	18	5	0	0	21	55	19	30	24	85	45	19	40	59	30	0	477
(1)	.46	.31	.09	.00	.00	.36	.94	.33	.51	.41	1.45	.77	.33	.68	1.01	.51	.00	8.16
(2)	.25	.17	.05	.00	.00	.20	.51	.18	.28	.22	.79	.42	.18	.37	.55	.28	.00	4.45
6.1- 8.0	15	5	0	0	0	13	19	15	7	4	38	108	49	98	86	26	0	483
(1)	.26	.09	.00	.00	.00	.22	.33	.26	.12	.07	.65	1.85	.84	1.68	1.47	.44	.00	8.26
(2)	.14	.05	.00	.00	.00	.12	.18	.14	.07	.04	.35	1.01	.46	.91	.80	.24	.00	4.51
8.1-10.0	2	0	0	0	0	0	0	0	0	0	2	99	85	80	51	6	0	325
(1)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	1.69	1.45	1.37	.87	.10	.00	5.56
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.92	.79	.75	.48	.06	.00	3.03
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	79	174	192	29	0	0	474
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.35	2.98	3.29	.50	.00	.00	8.11
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.74	1.62	1.79	.27	.00	.00	4.42
ALL SPEEDS	156	262	319	152	211	455	610	396	460	491	410	437	384	501	377	223	0	5844
(1)	2.67	4.48	5.46	2.60	3.61	7.79	10.44	6.78	7.87	8.40	7.02	7.48	6.57	8.57	6.45	3.82	.00	100.00
(2)	1.46	2.45	2.98	1.42	1.97	4.25	5.69	3.70	4.29	4.58	3.83	4.08	3.58	4.68	3.52	2.08	.00	54.55

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Table 2.3-27—{NMPNS 30 ft (9-m) 2001-2005 Winter JFD}

(Page 5 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 20.64

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	2	2	3	9	8	12	4	10	4	4	3	0	3	1	0	3	0	68
(1)	.09	.09	.14	.41	.36	.54	.18	.45	.18	.18	.14	.00	.14	.05	.00	.14	.00	3.08
(2)	.02	.02	.03	.08	.07	.11	.04	.09	.04	.04	.03	.00	.03	.01	.00	.03	.00	.63
1.1- 1.5	2	3	7	10	19	20	29	17	11	5	2	10	2	2	0	1	0	140
(1)	.09	.14	.32	.45	.86	.90	1.31	.77	.50	.23	.09	.45	.09	.09	.00	.05	.00	6.33
(2)	.02	.03	.07	.09	.18	.19	.27	.16	.10	.05	.02	.09	.02	.02	.00	.01	.00	1.31
1.6- 2.0	2	4	6	13	14	51	29	32	23	7	7	4	0	1	1	0	0	194
(1)	.09	.18	.27	.59	.63	2.31	1.31	1.45	1.04	.32	.32	.18	.00	.05	.05	.00	.00	8.77
(2)	.02	.04	.06	.12	.13	.48	.27	.30	.21	.07	.07	.04	.00	.01	.01	.00	.00	1.81
2.1- 3.0	3	4	11	6	21	94	151	110	113	33	20	29	2	6	3	1	0	607
(1)	.14	.18	.50	.27	.95	4.25	6.83	4.98	5.11	1.49	.90	1.31	.09	.27	.14	.05	.00	27.45
(2)	.03	.04	.10	.06	.20	.88	1.41	1.03	1.05	.31	.19	.27	.02	.06	.03	.01	.00	5.67
3.1- 4.0	1	0	1	0	2	34	147	141	120	48	31	31	6	0	0	2	0	564
(1)	.05	.00	.05	.00	.09	1.54	6.65	6.38	5.43	2.17	1.40	1.40	.27	.00	.00	.09	.00	25.51
(2)	.01	.00	.01	.00	.02	.32	1.37	1.32	1.12	.45	.29	.29	.06	.00	.00	.02	.00	5.26
4.1- 5.0	0	0	0	0	0	17	53	47	46	18	24	40	5	4	5	0	0	259
(1)	.00	.00	.00	.00	.00	.77	2.40	2.13	2.08	.81	1.09	1.81	.23	.18	.23	.00	.00	11.71
(2)	.00	.00	.00	.00	.00	.16	.49	.44	.43	.17	.22	.37	.05	.04	.05	.00	.00	2.42
5.1- 6.0	0	0	0	0	0	1	18	7	15	4	20	29	11	6	4	0	0	115
(1)	.00	.00	.00	.00	.00	.05	.81	.32	.68	.18	.90	1.31	.50	.27	.18	.00	.00	5.20
(2)	.00	.00	.00	.00	.00	.01	.17	.07	.14	.04	.19	.27	.10	.06	.04	.00	.00	1.07
6.1- 8.0	0	0	0	0	0	0	16	10	3	0	9	34	25	13	4	0	0	114
(1)	.00	.00	.00	.00	.00	.00	.72	.45	.14	.00	.41	1.54	1.13	.59	.18	.00	.00	5.16
(2)	.00	.00	.00	.00	.00	.00	.15	.09	.03	.00	.08	.32	.23	.12	.04	.00	.00	1.06
8.1-10.0	0	0	0	0	0	0	0	0	0	0	1	13	36	22	1	0	0	73
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.59	1.63	1.00	.05	.00	.00	3.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.12	.34	.21	.01	.00	.00	.68
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	15	43	18	1	0	0	77
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.68	1.94	.81	.05	.00	.00	3.48
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.40	.17	.01	.00	.00	.72
ALL SPEEDS	10	13	28	38	64	229	447	374	335	119	117	205	133	73	19	7	0	2211
(1)	.45	.59	1.27	1.72	2.89	10.36	20.22	16.92	15.15	5.38	5.29	9.27	6.02	3.30	.86	.32	.00	100.00
(2)	.09	.12	.26	.35	.60	2.14	4.17	3.49	3.13	1.11	1.09	1.91	1.24	.68	.18	.07	.00	20.64

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Table 2.3-27—{NMPNS 30 ft (9-m) 2001-2005 Winter JFD}

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NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 2.50

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	1	2	4	1	0	0	0	1	0	0	0	0	0	10
(1)	.00	.00	.00	.37	.37	.75	1.49	.37	.00	.00	.00	.37	.00	.00	.00	.00	.00	3.73
(2)	.00	.00	.00	.01	.01	.02	.04	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.09
1.1- 1.5	0	0	0	0	3	10	9	6	2	0	1	1	0	0	1	0	0	33
(1)	.00	.00	.00	.00	1.12	3.73	3.36	2.24	.75	.00	.37	.37	.00	.00	.37	.00	.00	12.31
(2)	.00	.00	.00	.00	.03	.09	.08	.06	.02	.00	.01	.01	.00	.00	.01	.00	.00	.31
1.6- 2.0	0	0	1	1	4	11	28	16	5	0	2	2	0	0	0	0	0	70
(1)	.00	.00	.37	.37	1.49	4.10	10.45	5.97	1.87	.00	.75	.75	.00	.00	.00	.00	.00	26.12
(2)	.00	.00	.01	.01	.04	.10	.26	.15	.05	.00	.02	.02	.00	.00	.00	.00	.00	.65
2.1- 3.0	0	0	1	0	1	13	32	29	8	11	0	4	2	0	0	0	0	101
(1)	.00	.00	.37	.00	.37	4.85	11.94	10.82	2.99	4.10	.00	1.49	.75	.00	.00	.00	.00	37.69
(2)	.00	.00	.01	.00	.01	.12	.30	.27	.07	.10	.00	.04	.02	.00	.00	.00	.00	.94
3.1- 4.0	0	1	0	0	0	1	8	7	3	5	1	7	0	0	0	0	0	33
(1)	.00	.37	.00	.00	.00	.37	2.99	2.61	1.12	1.87	.37	2.61	.00	.00	.00	.00	.00	12.31
(2)	.00	.01	.00	.00	.00	.01	.07	.07	.03	.05	.01	.07	.00	.00	.00	.00	.00	.31
4.1- 5.0	0	0	0	0	0	0	2	1	1	0	0	6	1	0	0	0	0	11
(1)	.00	.00	.00	.00	.00	.00	.75	.37	.37	.00	.00	2.24	.37	.00	.00	.00	.00	4.10
(2)	.00	.00	.00	.00	.00	.00	.02	.01	.01	.00	.00	.06	.01	.00	.00	.00	.00	.10
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.87	.00	.00	.00	.00	.00	1.87
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.05
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.12	.00	.00	.00	.00	.00	1.12
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.37	.00	.00	.00	.00	.37
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.37	.00	.00	.00	.00	.37
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01
ALL SPEEDS	0	1	2	2	9	37	83	60	19	16	4	29	5	0	1	0	0	268
(1)	.00	.37	.75	.75	3.36	13.81	30.97	22.39	7.09	5.97	1.49	10.82	1.87	.00	.37	.00	.00	100.00
(2)	.00	.01	.02	.02	.08	.35	.77	.56	.18	.15	.04	.27	.05	.00	.01	.00	.00	2.50

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Table 2.3-27—{NMPNS 30 ft (9-m) 2001-2005 Winter JFD}

(Page 7 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.46

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	2	0	0	0	6	7	4	0	0	0	0	0	0	0	0	0	19
(1)	.00	1.28	.00	.00	.00	3.85	4.49	2.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	12.18
(2)	.00	.02	.00	.00	.00	.06	.07	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18
1.1- 1.5	0	0	1	0	0	6	22	6	0	0	0	0	0	0	0	0	0	35
(1)	.00	.00	.64	.00	.00	3.85	14.10	3.85	.00	.00	.00	.00	.00	.00	.00	.00	.00	22.44
(2)	.00	.00	.01	.00	.00	.06	.21	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33
1.6- 2.0	0	0	0	0	1	4	16	12	3	1	0	0	0	0	0	0	0	37
(1)	.00	.00	.00	.00	.64	2.56	10.26	7.69	1.92	.64	.00	.00	.00	.00	.00	.00	.00	23.72
(2)	.00	.00	.00	.00	.01	.04	.15	.11	.03	.01	.00	.00	.00	.00	.00	.00	.00	.35
2.1- 3.0	0	0	0	0	0	8	20	22	6	1	0	0	0	0	0	0	0	57
(1)	.00	.00	.00	.00	.00	5.13	12.82	14.10	3.85	.64	.00	.00	.00	.00	.00	.00	.00	36.54
(2)	.00	.00	.00	.00	.00	.07	.19	.21	.06	.01	.00	.00	.00	.00	.00	.00	.00	.53
3.1- 4.0	0	0	0	0	0	0	1	3	2	0	0	0	0	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.64	1.92	1.28	.00	.00	.00	.00	.00	.00	.00	.00	3.85
(2)	.00	.00	.00	.00	.00	.00	.01	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00	.06
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.28	.00	.00	.00	.00	.00	1.28
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.02
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	2	1	0	1	24	66	47	11	2	0	2	0	0	0	0	0	156
(1)	.00	1.28	.64	.00	.64	15.38	42.31	30.13	7.05	1.28	.00	1.28	.00	.00	.00	.00	.00	100.00
(2)	.00	.02	.01	.00	.01	.22	.62	.44	.10	.02	.00	.02	.00	.00	.00	.00	.00	1.46

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Table 2.3-27—{NMPNS 30 ft (9-m) 2001-2005 Winter JFD}

(Page 8 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.3- .4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.5- 1.0	2	7	10	19	16	22	23	16	10	6	6	3	3	4	3	5	0	155
(1)	.02	.07	.09	.18	.15	.21	.21	.15	.09	.06	.06	.03	.03	.04	.03	.05	.00	1.45
(2)	.02	.07	.09	.18	.15	.21	.21	.15	.09	.06	.06	.03	.03	.04	.03	.05	.00	1.45
1.1- 1.5	10	14	26	35	54	63	94	43	24	13	7	17	2	4	5	6	0	417
(1)	.09	.13	.24	.33	.50	.59	.88	.40	.22	.12	.07	.16	.02	.04	.05	.06	.00	3.89
(2)	.09	.13	.24	.33	.50	.59	.88	.40	.22	.12	.07	.16	.02	.04	.05	.06	.00	3.89
1.6- 2.0	19	30	49	83	75	132	131	97	56	17	15	14	4	8	13	21	0	764
(1)	.18	.28	.46	.77	.70	1.23	1.22	.91	.52	.16	.14	.13	.04	.07	.12	.20	.00	7.13
(2)	.18	.28	.46	.77	.70	1.23	1.22	.91	.52	.16	.14	.13	.04	.07	.12	.20	.00	7.13
2.1- 3.0	40	115	154	65	116	269	374	285	240	143	51	54	26	33	49	49	0	2063
(1)	.37	1.07	1.44	.61	1.08	2.51	3.49	2.66	2.24	1.33	.48	.50	.24	.31	.46	.46	.00	19.26
(2)	.37	1.07	1.44	.61	1.08	2.51	3.49	2.66	2.24	1.33	.48	.50	.24	.31	.46	.46	.00	19.26
3.1- 4.0	52	112	108	7	29	154	339	264	312	262	119	73	22	34	54	78	0	2019
(1)	.49	1.05	1.01	.07	.27	1.44	3.16	2.46	2.91	2.45	1.11	.68	.21	.32	.50	.73	.00	18.85
(2)	.49	1.05	1.01	.07	.27	1.44	3.16	2.46	2.91	2.45	1.11	.68	.21	.32	.50	.73	.00	18.85
4.1- 5.0	86	98	65	0	2	85	160	134	138	159	179	90	23	53	115	93	0	1480
(1)	.80	.91	.61	.00	.02	.79	1.49	1.25	1.29	1.48	1.67	.84	.21	.49	1.07	.87	.00	13.81
(2)	.80	.91	.61	.00	.02	.79	1.49	1.25	1.29	1.48	1.67	.84	.21	.49	1.07	.87	.00	13.81
5.1- 6.0	86	51	26	0	0	22	74	27	46	28	106	88	34	79	132	80	0	879
(1)	.80	.48	.24	.00	.00	.21	.69	.25	.43	.26	.99	.82	.32	.74	1.23	.75	.00	8.20
(2)	.80	.48	.24	.00	.00	.21	.69	.25	.43	.26	.99	.82	.32	.74	1.23	.75	.00	8.20
6.1- 8.0	94	40	25	0	0	13	38	25	11	4	49	168	80	165	268	137	0	1117
(1)	.88	.37	.23	.00	.00	.12	.35	.23	.10	.04	.46	1.57	.75	1.54	2.50	1.28	.00	10.43
(2)	.88	.37	.23	.00	.00	.12	.35	.23	.10	.04	.46	1.57	.75	1.54	2.50	1.28	.00	10.43
8.1-10.0	24	2	2	0	0	0	0	0	0	0	5	137	140	181	224	28	0	743
(1)	.22	.02	.02	.00	.00	.00	.00	.00	.00	.00	.05	1.28	1.31	1.69	2.09	.26	.00	6.94
(2)	.22	.02	.02	.00	.00	.00	.00	.00	.00	.00	.05	1.28	1.31	1.69	2.09	.26	.00	6.94
10.1-40.3	5	0	0	0	0	0	0	0	0	0	0	161	280	473	152	2	0	1073
(1)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.50	2.61	4.42	1.42	.02	.00	10.02
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.50	2.61	4.42	1.42	.02	.00	10.02
ALL SPEEDS	418	469	466	210	292	760	1234	891	837	632	537	805	614	1034	1015	499	0	10713
(1)	3.90	4.38	4.35	1.96	2.73	7.09	11.52	8.32	7.81	5.90	5.01	7.51	5.73	9.65	9.47	4.66	.00	100.00
(2)	3.90	4.38	4.35	1.96	2.73	7.09	11.52	8.32	7.81	5.90	5.01	7.51	5.73	9.65	9.47	4.66	.00	100.00

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Table 2.3-28—{NMPNS 30 ft (9-m) 2001-2005 Spring JFD}

(Page 1 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 5.38

WIND DIRECTION FROM

SPEED mps		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.00	.00	.17
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01
1.6- 2.0		2	1	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	7
	(1)	.34	.17	.34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.17	.00	1.20
	(2)	.02	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.06
2.1- 3.0		11	14	5	0	3	1	3	0	0	0	0	1	0	2	22	17	0	79
	(1)	1.89	2.41	.86	.00	.52	.17	.52	.00	.00	.00	.00	.17	.00	.34	3.79	2.93	.00	13.60
	(2)	.10	.13	.05	.00	.03	.01	.03	.00	.00	.00	.00	.01	.00	.02	.20	.16	.00	.73
3.1- 4.0		25	29	1	0	1	3	5	2	0	0	0	21	2	4	8	10	0	111
	(1)	4.30	4.99	.17	.00	.17	.52	.86	.34	.00	.00	.00	3.61	.34	.69	1.38	1.72	.00	19.10
	(2)	.23	.27	.01	.00	.01	.03	.05	.02	.00	.00	.00	.19	.02	.04	.07	.09	.00	1.03
4.1- 5.0		22	5	2	0	0	2	5	10	0	0	0	21	0	2	6	18	0	93
	(1)	3.79	.86	.34	.00	.00	.34	.86	1.72	.00	.00	.00	3.61	.00	.34	1.03	3.10	.00	16.01
	(2)	.20	.05	.02	.00	.00	.02	.05	.09	.00	.00	.00	.19	.00	.02	.06	.17	.00	.86
5.1- 6.0		11	4	0	0	0	3	5	2	0	0	0	6	1	1	1	7	0	41
	(1)	1.89	.69	.00	.00	.00	.52	.86	.34	.00	.00	.00	1.03	.17	.17	.17	1.20	.00	7.06
	(2)	.10	.04	.00	.00	.00	.03	.05	.02	.00	.00	.00	.06	.01	.01	.01	.06	.00	.38
6.1- 8.0		12	3	0	0	0	0	2	2	0	0	0	7	4	5	12	25	0	72
	(1)	2.07	.52	.00	.00	.00	.00	.34	.34	.00	.00	.00	1.20	.69	.86	2.07	4.30	.00	12.39
	(2)	.11	.03	.00	.00	.00	.00	.02	.02	.00	.00	.00	.06	.04	.05	.11	.23	.00	.67
8.1-10.0		0	0	0	0	0	0	0	0	0	0	0	5	21	13	25	12	0	76
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.86	3.61	2.24	4.30	2.07	.00	13.08
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.19	.12	.23	.11	.00	.70
10.1-40.3		0	0	0	0	0	0	0	0	0	0	0	10	33	37	18	3	0	101
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.72	5.68	6.37	3.10	.52	.00	17.38
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.31	.34	.17	.03	.00	.93
ALL SPEEDS		83	56	10	0	4	9	20	16	0	0	0	71	61	64	94	93	0	581
	(1)	14.29	9.64	1.72	.00	.69	1.55	3.44	2.75	.00	.00	.00	12.22	10.50	11.02	16.18	16.01	.00	100.00
	(2)	.77	.52	.09	.00	.04	.08	.19	.15	.00	.00	.00	.66	.56	.59	.87	.86	.00	5.38

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Table 2.3-28—{NMPNS 30 ft (9-m) 2001-2005 Spring JFD}

(Page 2 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.63

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.20	.00	.00	.40
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.02
1.6- 2.0	2	1	3	0	0	0	1	0	0	0	0	1	2	1	0	1	0	12
(1)	.40	.20	.60	.00	.00	.00	.20	.00	.00	.00	.00	.20	.40	.20	.00	.20	.00	2.40
(2)	.02	.01	.03	.00	.00	.00	.01	.00	.00	.00	.00	.01	.02	.01	.00	.01	.00	.11
2.1- 3.0	8	8	9	2	1	3	5	1	1	0	0	4	2	3	2	5	0	54
(1)	1.60	1.60	1.80	.40	.20	.60	1.00	.20	.20	.00	.00	.80	.40	.60	.40	1.00	.00	10.80
(2)	.07	.07	.08	.02	.01	.03	.05	.01	.01	.00	.00	.04	.02	.03	.02	.05	.00	.50
3.1- 4.0	11	5	4	0	0	3	8	5	4	0	0	19	6	0	4	8	0	77
(1)	2.20	1.00	.80	.00	.00	.60	1.60	1.00	.80	.00	.00	3.80	1.20	.00	.80	1.60	.00	15.40
(2)	.10	.05	.04	.00	.00	.03	.07	.05	.04	.00	.00	.18	.06	.00	.04	.07	.00	.71
4.1- 5.0	9	9	0	0	0	3	3	5	2	0	1	27	1	3	7	5	0	75
(1)	1.80	1.80	.00	.00	.00	.60	.60	1.00	.40	.00	.20	5.40	.20	.60	1.40	1.00	.00	15.00
(2)	.08	.08	.00	.00	.00	.03	.03	.05	.02	.00	.01	.25	.01	.03	.06	.05	.00	.69
5.1- 6.0	13	1	0	0	0	1	5	7	2	0	0	6	3	1	2	10	0	51
(1)	2.60	.20	.00	.00	.00	.20	1.00	1.40	.40	.00	.00	1.20	.60	.20	.40	2.00	.00	10.20
(2)	.12	.01	.00	.00	.00	.01	.05	.06	.02	.00	.00	.06	.03	.01	.02	.09	.00	.47
6.1- 8.0	9	0	0	0	0	0	5	2	3	0	0	10	22	10	16	7	0	84
(1)	1.80	.00	.00	.00	.00	.00	1.00	.40	.60	.00	.00	2.00	4.40	2.00	3.20	1.40	.00	16.80
(2)	.08	.00	.00	.00	.00	.00	.05	.02	.03	.00	.00	.09	.20	.09	.15	.06	.00	.78
8.1-10.0	1	0	0	0	0	0	0	1	0	0	0	7	33	21	13	7	0	83
(1)	.20	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00	1.40	6.60	4.20	2.60	1.40	.00	16.60
(2)	.01	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.06	.31	.19	.12	.06	.00	.77
10.1-40.3	3	0	0	0	0	0	0	0	0	0	0	6	21	29	3	0	0	62
(1)	.60	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.20	4.20	5.80	.60	.00	.00	12.40
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.19	.27	.03	.00	.00	.57
ALL SPEEDS	56	24	16	2	1	10	27	21	12	0	1	80	90	69	48	43	0	500
(1)	11.20	4.80	3.20	.40	.20	2.00	5.40	4.20	2.40	.00	.20	16.00	18.00	13.80	9.60	8.60	.00	100.00
(2)	.52	.22	.15	.02	.01	.09	.25	.19	.11	.00	.01	.74	.83	.64	.44	.40	.00	4.63

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Table 2.3-28—{NMPNS 30 ft (9-m) 2001-2005 Spring JFD}

(Page 3 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 6.43

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	.14	.14	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.43
(2)	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.6- 2.0	0	1	3	0	1	1	1	0	0	0	0	1	0	2	0	3	0	13
(1)	.00	.14	.43	.00	.14	.14	.14	.00	.00	.00	.00	.14	.00	.29	.00	.43	.00	1.87
(2)	.00	.01	.03	.00	.01	.01	.01	.00	.00	.00	.00	.01	.00	.02	.00	.03	.00	.12
2.1- 3.0	14	21	16	5	3	8	3	2	3	0	1	13	5	4	3	3	0	104
(1)	2.01	3.02	2.30	.72	.43	1.15	.43	.29	.43	.00	.14	1.87	.72	.58	.43	.43	.00	14.96
(2)	.13	.19	.15	.05	.03	.07	.03	.02	.03	.00	.01	.12	.05	.04	.03	.03	.00	.96
3.1- 4.0	11	8	11	0	2	7	11	11	8	3	2	24	15	4	8	5	0	130
(1)	1.58	1.15	1.58	.00	.29	1.01	1.58	1.58	1.15	.43	.29	3.45	2.16	.58	1.15	.72	.00	18.71
(2)	.10	.07	.10	.00	.02	.06	.10	.10	.07	.03	.02	.22	.14	.04	.07	.05	.00	1.20
4.1- 5.0	6	4	2	0	0	3	10	14	3	0	0	25	4	9	12	9	0	101
(1)	.86	.58	.29	.00	.00	.43	1.44	2.01	.43	.00	.00	3.60	.58	1.29	1.73	1.29	.00	14.53
(2)	.06	.04	.02	.00	.00	.03	.09	.13	.03	.00	.00	.23	.04	.08	.11	.08	.00	.93
5.1- 6.0	3	1	0	0	0	0	3	6	7	0	0	23	28	16	8	3	0	98
(1)	.43	.14	.00	.00	.00	.00	.43	.86	1.01	.00	.00	3.31	4.03	2.30	1.15	.43	.00	14.10
(2)	.03	.01	.00	.00	.00	.00	.03	.06	.06	.00	.00	.21	.26	.15	.07	.03	.00	.91
6.1- 8.0	7	0	0	0	0	0	4	3	3	0	1	18	36	25	12	14	0	123
(1)	1.01	.00	.00	.00	.00	.00	.58	.43	.43	.00	.14	2.59	5.18	3.60	1.73	2.01	.00	17.70
(2)	.06	.00	.00	.00	.00	.00	.04	.03	.03	.00	.01	.17	.33	.23	.11	.13	.00	1.14
8.1-10.0	2	0	0	0	0	0	0	1	0	0	0	14	33	12	5	5	0	72
(1)	.29	.00	.00	.00	.00	.00	.00	.14	.00	.00	.00	2.01	4.75	1.73	.72	.72	.00	10.36
(2)	.02	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.13	.31	.11	.05	.05	.00	.67
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	5	35	11	0	0	0	51
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.72	5.04	1.58	.00	.00	.00	7.34
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.32	.10	.00	.00	.00	.47
ALL SPEEDS	44	36	33	5	6	19	32	37	24	3	4	123	156	83	48	42	0	695
(1)	6.33	5.18	4.75	.72	.86	2.73	4.60	5.32	3.45	.43	.58	17.70	22.45	11.94	6.91	6.04	.00	100.00
(2)	.41	.33	.31	.05	.06	.18	.30	.34	.22	.03	.04	1.14	1.44	.77	.44	.39	.00	6.43

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Table 2.3-28—{NMPNS 30 ft (9-m) 2001-2005 Spring JFD}

(Page 4 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 39.14

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	0	0	2	0	0	1	1	0	1	0	0	0	0	1	0	0	6
(1)	.00	.00	.00	.05	.00	.00	.02	.02	.00	.02	.00	.00	.00	.00	.02	.00	.00	.14
(2)	.00	.00	.00	.02	.00	.00	.01	.01	.00	.01	.00	.00	.00	.00	.01	.00	.00	.06
.5- 1.0	7	2	4	18	7	5	6	3	3	4	1	3	3	4	6	4	0	80
(1)	.17	.05	.09	.43	.17	.12	.14	.07	.07	.09	.02	.07	.07	.09	.14	.09	.00	1.89
(2)	.06	.02	.04	.17	.06	.05	.06	.03	.03	.04	.01	.03	.03	.04	.06	.04	.00	.74
1.1- 1.5	6	10	26	24	25	6	11	11	4	8	4	10	6	7	10	10	0	178
(1)	.14	.24	.61	.57	.59	.14	.26	.26	.09	.19	.09	.24	.14	.17	.24	.24	.00	4.21
(2)	.06	.09	.24	.22	.23	.06	.10	.10	.04	.07	.04	.09	.06	.06	.09	.09	.00	1.65
1.6- 2.0	11	35	42	41	20	11	17	5	8	9	11	27	14	9	10	12	0	282
(1)	.26	.83	.99	.97	.47	.26	.40	.12	.19	.21	.26	.64	.33	.21	.24	.28	.00	6.67
(2)	.10	.32	.39	.38	.19	.10	.16	.05	.07	.08	.10	.25	.13	.08	.09	.11	.00	2.61
2.1- 3.0	43	69	92	63	66	53	107	36	33	33	30	111	57	23	30	21	0	867
(1)	1.02	1.63	2.18	1.49	1.56	1.25	2.53	.85	.78	.78	.71	2.62	1.35	.54	.71	.50	.00	20.50
(2)	.40	.64	.85	.58	.61	.49	.99	.33	.31	.31	.28	1.03	.53	.21	.28	.19	.00	8.02
3.1- 4.0	27	68	84	3	20	114	111	81	67	46	42	147	65	20	26	29	0	950
(1)	.64	1.61	1.99	.07	.47	2.70	2.62	1.92	1.58	1.09	.99	3.48	1.54	.47	.61	.69	.00	22.46
(2)	.25	.63	.78	.03	.19	1.05	1.03	.75	.62	.43	.39	1.36	.60	.19	.24	.27	.00	8.79
4.1- 5.0	17	29	36	0	5	68	104	63	59	29	33	137	67	38	24	25	0	734
(1)	.40	.69	.85	.00	.12	1.61	2.46	1.49	1.40	.69	.78	3.24	1.58	.90	.57	.59	.00	17.36
(2)	.16	.27	.33	.00	.05	.63	.96	.58	.55	.27	.31	1.27	.62	.35	.22	.23	.00	6.79
5.1- 6.0	19	11	4	0	0	23	51	38	34	4	12	57	57	41	28	17	0	396
(1)	.45	.26	.09	.00	.00	.54	1.21	.90	.80	.09	.28	1.35	1.35	.97	.66	.40	.00	9.36
(2)	.18	.10	.04	.00	.00	.21	.47	.35	.31	.04	.11	.53	.53	.38	.26	.16	.00	3.66
6.1- 8.0	16	0	0	0	0	2	22	34	16	1	6	72	131	61	29	19	0	409
(1)	.38	.00	.00	.00	.00	.05	.52	.80	.38	.02	.14	1.70	3.10	1.44	.69	.45	.00	9.67
(2)	.15	.00	.00	.00	.00	.02	.20	.31	.15	.01	.06	.67	1.21	.56	.27	.18	.00	3.78
8.1-10.0	7	0	0	0	0	0	2	0	0	0	1	21	110	49	10	0	0	200
(1)	.17	.00	.00	.00	.00	.00	.05	.00	.00	.00	.02	.50	2.60	1.16	.24	.00	.00	4.73
(2)	.06	.00	.00	.00	.00	.00	.02	.00	.00	.00	.01	.19	1.02	.45	.09	.00	.00	1.85
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	19	75	26	4	1	0	126
(1)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.45	1.77	.61	.09	.02	.00	2.98
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.69	.24	.04	.01	.00	1.17
ALL SPEEDS	154	224	288	152	143	282	432	272	224	135	140	604	585	278	178	138	0	4229
(1)	3.64	5.30	6.81	3.59	3.38	6.67	10.22	6.43	5.30	3.19	3.31	14.28	13.83	6.57	4.21	3.26	.00	100.00
(2)	1.43	2.07	2.67	1.41	1.32	2.61	4.00	2.52	2.07	1.25	1.30	5.59	5.41	2.57	1.65	1.28	.00	39.14

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Table 2.3-28—{NMPNS 30 ft (9-m) 2001-2005 Spring JFD}

(Page 5 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 27.33

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	4
(1)	.03	.00	.00	.00	.03	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14
(2)	.01	.00	.00	.00	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
.3- .4	0	0	0	3	0	0	0	1	1	1	0	0	1	0	1	1	0	9
(1)	.00	.00	.00	.10	.00	.00	.00	.03	.03	.03	.00	.00	.03	.00	.03	.03	.00	.30
(2)	.00	.00	.00	.03	.00	.00	.00	.01	.01	.01	.00	.00	.01	.00	.01	.01	.00	.08
.5- 1.0	3	7	16	22	15	16	11	10	11	19	11	10	8	7	7	6	0	179
(1)	.10	.24	.54	.75	.51	.54	.37	.34	.37	.64	.37	.34	.27	.24	.24	.20	.00	6.06
(2)	.03	.06	.15	.20	.14	.15	.10	.09	.10	.18	.10	.09	.07	.06	.06	.06	.00	1.66
1.1- 1.5	15	16	26	39	47	21	22	19	13	20	27	28	13	16	12	19	0	353
(1)	.51	.54	.88	1.32	1.59	.71	.75	.64	.44	.68	.91	.95	.44	.54	.41	.64	.00	11.95
(2)	.14	.15	.24	.36	.43	.19	.20	.18	.12	.19	.25	.26	.12	.15	.11	.18	.00	3.27
1.6- 2.0	17	38	46	55	46	28	24	19	9	15	28	30	18	14	5	14	0	406
(1)	.58	1.29	1.56	1.86	1.56	.95	.81	.64	.30	.51	.95	1.02	.61	.47	.17	.47	.00	13.75
(2)	.16	.35	.43	.51	.43	.26	.22	.18	.08	.14	.26	.28	.17	.13	.05	.13	.00	3.76
2.1- 3.0	27	50	33	35	19	74	93	73	56	37	67	119	43	14	9	20	0	769
(1)	.91	1.69	1.12	1.19	.64	2.51	3.15	2.47	1.90	1.25	2.27	4.03	1.46	.47	.30	.68	.00	26.04
(2)	.25	.46	.31	.32	.18	.68	.86	.68	.52	.34	.62	1.10	.40	.13	.08	.19	.00	7.12
3.1- 4.0	18	27	12	2	11	55	113	93	66	16	30	129	27	9	7	13	0	628
(1)	.61	.91	.41	.07	.37	1.86	3.83	3.15	2.24	.54	1.02	4.37	.91	.30	.24	.44	.00	21.27
(2)	.17	.25	.11	.02	.10	.51	1.05	.86	.61	.15	.28	1.19	.25	.08	.06	.12	.00	5.81
4.1- 5.0	14	1	10	0	0	20	31	66	53	13	27	64	20	17	8	5	0	349
(1)	.47	.03	.34	.00	.00	.68	1.05	2.24	1.79	.44	.91	2.17	.68	.58	.27	.17	.00	11.82
(2)	.13	.01	.09	.00	.00	.19	.29	.61	.49	.12	.25	.59	.19	.16	.07	.05	.00	3.23
5.1- 6.0	6	1	1	0	0	5	13	16	9	5	21	26	18	8	1	0	0	130
(1)	.20	.03	.03	.00	.00	.17	.44	.54	.30	.17	.71	.88	.61	.27	.03	.00	.00	4.40
(2)	.06	.01	.01	.00	.00	.05	.12	.15	.08	.05	.19	.24	.17	.07	.01	.00	.00	1.20
6.1- 8.0	2	0	0	0	0	0	1	5	0	1	14	31	25	5	1	1	0	86
(1)	.07	.00	.00	.00	.00	.00	.03	.17	.00	.03	.47	1.05	.85	.17	.03	.03	.00	2.91
(2)	.02	.00	.00	.00	.00	.00	.01	.05	.00	.01	.13	.29	.23	.05	.01	.01	.00	.80
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	7	20	3	0	0	0	30
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.68	.10	.00	.00	.00	1.02
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.19	.03	.00	.00	.00	.28
10.1-40.3	0	0	0	0	0	0	0	0	0	1	0	2	6	1	0	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.07	.20	.03	.00	.00	.00	.34
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.02	.06	.01	.00	.00	.00	.09
ALL SPEEDS	103	140	144	156	139	220	308	303	218	128	225	446	199	94	51	79	0	2953
(1)	3.49	4.74	4.88	5.28	4.71	7.45	10.43	10.26	7.38	4.33	7.62	15.10	6.74	3.18	1.73	2.68	.00	100.00
(2)	.95	1.30	1.33	1.44	1.29	2.04	2.85	2.80	2.02	1.18	2.08	4.13	1.84	.87	.47	.73	.00	27.33

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Table 2.3-28—{NMPNS 30 ft (9-m) 2001-2005 Spring JFD}

(Page 6 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 9.58

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	3
(1)	.00	.00	.10	.00	.00	.00	.10	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.29
(2)	.00	.00	.01	.00	.00	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.03
.3- .4	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.19	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.29
(2)	.00	.00	.00	.00	.02	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	3	2	5	8	10	12	16	12	11	13	9	5	4	5	4	4	0	123
(1)	.29	.19	.48	.77	.97	1.16	1.55	1.16	1.06	1.26	.87	.48	.39	.48	.39	.39	.00	11.88
(2)	.03	.02	.05	.07	.09	.11	.15	.11	.10	.12	.08	.05	.04	.05	.04	.04	.00	1.14
1.1- 1.5	5	10	14	15	23	13	20	25	20	11	5	13	11	16	11	12	0	224
(1)	.48	.97	1.35	1.45	2.22	1.26	1.93	2.42	1.93	1.06	.48	1.26	1.06	1.55	1.06	1.16	.00	21.64
(2)	.05	.09	.13	.14	.21	.12	.19	.23	.19	.10	.05	.12	.10	.15	.10	.11	.00	2.07
1.6- 2.0	17	16	29	19	20	22	22	24	13	7	4	11	8	12	7	9	0	240
(1)	1.64	1.55	2.80	1.84	1.93	2.13	2.13	2.32	1.26	.68	.39	1.06	.77	1.16	.68	.87	.00	23.19
(2)	.16	.15	.27	.18	.19	.20	.20	.22	.12	.06	.04	.10	.07	.11	.06	.08	.00	2.22
2.1- 3.0	22	19	16	4	7	26	15	42	34	15	8	54	14	2	1	6	0	285
(1)	2.13	1.84	1.55	.39	.68	2.51	1.45	4.06	3.29	1.45	.77	5.22	1.35	.19	.10	.58	.00	27.54
(2)	.20	.18	.15	.04	.06	.24	.14	.39	.31	.14	.07	.50	.13	.02	.01	.06	.00	2.64
3.1- 4.0	12	5	2	0	0	0	5	5	13	3	4	32	6	3	3	4	0	97
(1)	1.16	.48	.19	.00	.00	.00	.48	.48	1.26	.29	.39	3.09	.58	.29	.29	.39	.00	9.37
(2)	.11	.05	.02	.00	.00	.00	.05	.05	.12	.03	.04	.30	.06	.03	.03	.04	.00	.90
4.1- 5.0	3	1	0	0	0	0	0	0	2	0	1	10	5	2	1	3	0	28
(1)	.29	.10	.00	.00	.00	.00	.00	.00	.19	.00	.10	.97	.48	.19	.10	.29	.00	2.71
(2)	.03	.01	.00	.00	.00	.00	.00	.00	.02	.00	.01	.09	.05	.02	.01	.03	.00	.26
5.1- 6.0	2	0	0	0	0	0	0	0	0	0	2	10	2	2	0	0	0	18
(1)	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.19	.97	.19	.19	.00	.00	.00	1.74
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.09	.02	.02	.00	.00	.00	.17
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	6	4	0	0	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.58	.39	.00	.00	.00	.00	.97
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.04	.00	.00	.00	.00	.09
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.00	.00	.00	.00	.29
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.10
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01
ALL SPEEDS	64	53	67	46	62	73	79	108	94	50	33	141	58	42	27	38	0	1035
(1)	6.18	5.12	6.47	4.44	5.99	7.05	7.63	10.43	9.08	4.83	3.19	13.62	5.60	4.06	2.61	3.67	.00	100.00
(2)	.59	.49	.62	.43	.57	.68	.73	1.00	.87	.46	.31	1.30	.54	.39	.25	.35	.00	9.58

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Table 2.3-28—{NMPNS 30 ft (9-m) 2001-2005 Spring JFD}

(Page 7 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 7.52

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.12	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25
(2)	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.5- 1.0	3	7	4	5	13	23	36	30	19	8	3	3	3	5	3	4	0	169
(1)	.37	.86	.49	.62	1.60	2.83	4.43	3.69	2.34	.98	.37	.37	.37	.62	.37	.49	.00	20.79
(2)	.03	.06	.04	.05	.12	.21	.33	.28	.18	.07	.03	.03	.03	.05	.03	.04	.00	1.56
1.1- 1.5	3	4	14	10	14	23	67	18	13	2	1	9	7	13	10	4	0	212
(1)	.37	.49	1.72	1.23	1.72	2.83	8.24	2.21	1.60	.25	.12	1.11	.86	1.60	1.23	.49	.00	26.08
(2)	.03	.04	.13	.09	.13	.21	.62	.17	.12	.02	.01	.08	.06	.12	.09	.04	.00	1.96
1.6- 2.0	3	4	9	9	9	32	36	24	5	2	0	7	12	9	5	8	0	174
(1)	.37	.49	1.11	1.11	1.11	3.94	4.43	2.95	.62	.25	.00	.86	1.48	1.11	.62	.98	.00	21.40
(2)	.03	.04	.08	.08	.08	.30	.33	.22	.05	.02	.00	.06	.11	.08	.05	.07	.00	1.61
2.1- 3.0	16	13	13	2	1	14	24	56	10	2	0	19	14	5	4	7	0	200
(1)	1.97	1.60	1.60	.25	.12	1.72	2.95	6.89	1.23	.25	.00	2.34	1.72	.62	.49	.86	.00	24.60
(2)	.15	.12	.12	.02	.01	.13	.22	.52	.09	.02	.00	.18	.13	.05	.04	.06	.00	1.85
3.1- 4.0	3	2	1	0	0	0	0	1	1	0	0	5	4	3	1	3	0	24
(1)	.37	.25	.12	.00	.00	.00	.00	.12	.12	.00	.00	.62	.49	.37	.12	.37	.00	2.95
(2)	.03	.02	.01	.00	.00	.00	.00	.01	.01	.00	.00	.05	.04	.03	.01	.03	.00	.22
4.1- 5.0	1	2	0	0	0	0	0	0	0	0	0	14	4	1	0	2	0	24
(1)	.12	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.72	.49	.12	.00	.25	.00	2.95
(2)	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13	.04	.01	.00	.02	.00	.22
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.25	.12	.00	.00	.00	.62
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.01	.00	.00	.00	.05
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.00	.00	.00	.00	.00	.25
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.02
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.00	.00	.00	.00	.12
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	29	32	41	27	38	92	163	129	48	14	4	61	47	37	23	28	0	813
(1)	3.57	3.94	5.04	3.32	4.67	11.32	20.05	15.87	5.90	1.72	.49	7.50	5.78	4.55	2.83	3.44	.00	100.00
(2)	.27	.30	.38	.25	.35	.85	1.51	1.19	.44	.13	.04	.56	.43	.34	.21	.26	.00	7.52

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Table 2.3-28—{NMPNS 30 ft (9-m) 2001-2005 Spring JFD}

(Page 8 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	1	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	8
(1)	.01	.00	.01	.01	.01	.01	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.07
(2)	.01	.00	.01	.01	.01	.01	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.07
.3- .4	0	0	0	6	3	0	1	2	2	2	0	0	1	0	2	1	0	20
(1)	.00	.00	.00	.06	.03	.00	.01	.02	.02	.02	.00	.00	.01	.00	.02	.01	.00	.19
(2)	.00	.00	.00	.06	.03	.00	.01	.02	.02	.02	.00	.00	.01	.00	.02	.01	.00	.19
.5- 1.0	16	18	29	53	45	56	69	55	44	44	24	21	18	21	20	18	0	551
(1)	.15	.17	.27	.49	.42	.52	.64	.51	.41	.41	.22	.19	.17	.19	.19	.17	.00	5.10
(2)	.15	.17	.27	.49	.42	.52	.64	.51	.41	.41	.22	.19	.17	.19	.19	.17	.00	5.10
1.1- 1.5	30	41	81	88	109	63	120	73	50	41	37	60	37	53	45	45	0	973
(1)	.28	.38	.75	.81	1.01	.58	1.11	.68	.46	.38	.34	.56	.34	.49	.42	.42	.00	9.00
(2)	.28	.38	.75	.81	1.01	.58	1.11	.68	.46	.38	.34	.56	.34	.49	.42	.42	.00	9.00
1.6- 2.0	52	96	134	124	96	94	101	72	35	33	43	77	54	47	28	48	0	1134
(1)	.48	.89	1.24	1.15	.89	.87	.93	.67	.32	.31	.40	.71	.50	.43	.26	.44	.00	10.49
(2)	.48	.89	1.24	1.15	.89	.87	.93	.67	.32	.31	.40	.71	.50	.43	.26	.44	.00	10.49
2.1- 3.0	141	194	184	111	100	179	250	210	137	87	106	321	135	53	71	79	0	2358
(1)	1.30	1.80	1.70	1.03	.93	1.66	2.31	1.94	1.27	.81	.98	2.97	1.25	.49	.66	.73	.00	21.82
(2)	1.30	1.80	1.70	1.03	.93	1.66	2.31	1.94	1.27	.81	.98	2.97	1.25	.49	.66	.73	.00	21.82
3.1- 4.0	107	144	115	5	34	182	253	198	159	68	78	377	125	43	57	72	0	2017
(1)	.99	1.33	1.06	.05	.31	1.68	2.34	1.83	1.47	.63	.72	3.49	1.16	.40	.53	.67	.00	18.67
(2)	.99	1.33	1.06	.05	.31	1.68	2.34	1.83	1.47	.63	.72	3.49	1.16	.40	.53	.67	.00	18.67
4.1- 5.0	72	51	50	0	5	96	153	158	119	42	62	298	101	72	58	67	0	1404
(1)	.67	.47	.46	.00	.05	.89	1.42	1.46	1.10	.39	.57	2.76	.93	.67	.54	.62	.00	12.99
(2)	.67	.47	.46	.00	.05	.89	1.42	1.46	1.10	.39	.57	2.76	.93	.67	.54	.62	.00	12.99
5.1- 6.0	54	18	5	0	0	32	77	69	52	9	35	130	111	70	40	37	0	739
(1)	.50	.17	.05	.00	.00	.30	.71	.64	.48	.08	.32	1.20	1.03	.65	.37	.34	.00	6.84
(2)	.50	.17	.05	.00	.00	.30	.71	.64	.48	.08	.32	1.20	1.03	.65	.37	.34	.00	6.84
6.1- 8.0	46	3	0	0	0	2	34	46	22	2	21	146	222	106	70	66	0	786
(1)	.43	.03	.00	.00	.00	.02	.31	.43	.20	.02	.19	1.35	2.05	.98	.65	.61	.00	7.27
(2)	.43	.03	.00	.00	.00	.02	.31	.43	.20	.02	.19	1.35	2.05	.98	.65	.61	.00	7.27
8.1-10.0	10	0	0	0	0	0	2	2	0	0	1	54	221	98	53	24	0	465
(1)	.09	.00	.00	.00	.00	.00	.02	.02	.00	.00	.01	.50	2.05	.91	.49	.22	.00	4.30
(2)	.09	.00	.00	.00	.00	.00	.02	.02	.00	.00	.01	.50	2.05	.91	.49	.22	.00	4.30
10.1-40.3	4	0	0	0	0	0	0	0	0	1	0	42	171	104	25	4	0	351
(1)	.04	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.39	1.58	.96	.23	.04	.00	3.25
(2)	.04	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.39	1.58	.96	.23	.04	.00	3.25
ALL SPEEDS	533	565	599	388	393	705	1061	886	620	330	407	1526	1196	667	469	461	0	10806
(1)	4.93	5.23	5.54	3.59	3.64	6.52	9.82	8.20	5.74	3.05	3.77	14.12	11.07	6.17	4.34	4.27	.00	100.00
(2)	4.93	5.23	5.54	3.59	3.64	6.52	9.82	8.20	5.74	3.05	3.77	14.12	11.07	6.17	4.34	4.27	.00	100.00

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Table 2.3-29—{NMPNS 30 ft (9-m) 2001-2005 Summer JFD}

(Page 1 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 9.52

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.1- 1.5	1	0	0	0	0	0	0	0	0	0	0	0	1	3	17	11	0	33
(1)	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.29	1.63	1.05	.00	3.16
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.15	.10	.00	.30
1.6- 2.0	11	6	3	0	0	0	3	1	1	0	0	3	2	19	44	49	0	142
(1)	1.05	.57	.29	.00	.00	.00	.29	.10	.10	.00	.00	.29	.19	1.82	4.21	4.69	.00	13.60
(2)	.10	.05	.03	.00	.00	.00	.03	.01	.01	.00	.00	.03	.02	.17	.40	.45	.00	1.29
2.1- 3.0	49	18	5	1	1	0	3	1	4	0	3	96	12	63	65	58	0	379
(1)	4.69	1.72	.48	.10	.10	.00	.29	.10	.38	.00	.29	9.20	1.15	6.03	6.23	5.56	.00	36.30
(2)	.45	.16	.05	.01	.01	.00	.03	.01	.04	.00	.03	.87	.11	.57	.59	.53	.00	3.45
3.1- 4.0	29	18	2	0	0	1	5	3	7	4	1	101	40	41	11	5	0	268
(1)	2.78	1.72	.19	.00	.00	.10	.48	.29	.67	.38	.10	9.67	3.83	3.93	1.05	.48	.00	25.67
(2)	.26	.16	.02	.00	.00	.01	.05	.03	.06	.04	.01	.92	.36	.37	.10	.05	.00	2.44
4.1- 5.0	23	8	0	0	0	0	2	1	4	0	1	30	32	19	6	0	0	126
(1)	2.20	.77	.00	.00	.00	.00	.19	.10	.38	.00	.10	2.87	3.07	1.82	.57	.00	.00	12.07
(2)	.21	.07	.00	.00	.00	.00	.02	.01	.04	.00	.01	.27	.29	.17	.05	.00	.00	1.15
5.1- 6.0	15	2	0	0	0	0	0	0	0	0	0	9	13	12	1	0	0	52
(1)	1.44	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.86	1.25	1.15	.10	.00	.00	4.98
(2)	.14	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.12	.11	.01	.00	.00	.47
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	3	18	7	0	0	0	28
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	1.72	.67	.00	.00	.00	2.68
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.16	.06	.00	.00	.00	.26
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.67	.00	.00	.00	.00	.67
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.06
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.77	.00	.00	.00	.00	.77
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00	.00	.07
ALL SPEEDS	129	52	10	1	1	1	13	6	16	4	5	242	133	164	144	123	0	1044
(1)	12.36	4.98	.96	.10	.10	.10	1.25	.57	1.53	.38	.48	23.18	12.74	15.71	13.79	11.78	.00	100.00
(2)	1.18	.47	.09	.01	.01	.01	.12	.05	.15	.04	.05	2.21	1.21	1.49	1.31	1.12	.00	9.52

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Table 2.3-29—{NMPNS 30 ft (9-m) 2001-2005 Summer JFD}

(Page 2 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.25

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.1- 1.5	1	1	1	0	1	0	0	0	0	0	0	0	1	1	6	5	0	17
(1)	.21	.21	.21	.00	.21	.00	.00	.00	.00	.00	.00	.00	.21	.21	1.29	1.07	.00	3.65
(2)	.01	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01	.01	.05	.05	.00	.15
1.6- 2.0	4	1	4	2	0	0	4	2	1	2	1	4	1	3	5	7	0	41
(1)	.86	.21	.86	.43	.00	.00	.86	.43	.21	.43	.21	.86	.21	.64	1.07	1.50	.00	8.80
(2)	.04	.01	.04	.02	.00	.00	.04	.02	.01	.02	.01	.04	.01	.03	.05	.06	.00	.37
2.1- 3.0	14	11	5	0	1	1	9	10	4	6	2	29	22	15	8	3	0	140
(1)	3.00	2.36	1.07	.00	.21	.21	1.93	2.15	.86	1.29	.43	6.22	4.72	3.22	1.72	.64	.00	30.04
(2)	.13	.10	.05	.00	.01	.01	.08	.09	.04	.05	.02	.26	.20	.14	.07	.03	.00	1.28
3.1- 4.0	8	7	2	0	0	5	5	7	9	7	2	29	43	8	2	1	0	135
(1)	1.72	1.50	.43	.00	.00	1.07	1.07	1.50	1.93	1.50	.43	6.22	9.23	1.72	.43	.21	.00	28.97
(2)	.07	.06	.02	.00	.00	.05	.05	.06	.08	.06	.02	.26	.39	.07	.02	.01	.00	1.23
4.1- 5.0	5	1	0	0	0	0	1	10	3	0	1	10	25	2	1	0	0	59
(1)	1.07	.21	.00	.00	.00	.00	.21	2.15	.64	.00	.21	2.15	5.36	.43	.21	.00	.00	12.66
(2)	.05	.01	.00	.00	.00	.00	.01	.09	.03	.00	.01	.09	.23	.02	.01	.00	.00	.54
5.1- 6.0	1	0	0	0	0	0	0	1	0	0	0	3	11	6	1	0	0	23
(1)	.21	.00	.00	.00	.00	.00	.00	.21	.00	.00	.00	.64	2.36	1.29	.21	.00	.00	4.94
(2)	.01	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.03	.10	.05	.01	.00	.00	.21
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	2	21	8	0	1	0	32
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.43	4.51	1.72	.00	.21	.00	6.87
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.19	.07	.00	.01	.00	.29
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	14	1	0	0	0	15
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.00	.21	.00	.00	.00	3.22
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13	.01	.00	.00	.00	.14
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.64	.00	.00	.00	.00	.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
ALL SPEEDS	34	21	12	2	2	6	19	30	17	15	6	77	141	44	23	17	0	466
(1)	7.30	4.51	2.58	.43	.43	1.29	4.08	6.44	3.65	3.22	1.29	16.52	30.26	9.44	4.94	3.65	.00	100.00
(2)	.31	.19	.11	.02	.02	.05	.17	.27	.15	.14	.05	.70	1.29	.40	.21	.15	.00	4.25

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Table 2.3-29—{NMPNS 30 ft (9-m) 2001-2005 Summer JFD}

(Page 3 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.02

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.00	.18	.00	.00	.00	.36
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.02
1.1- 1.5	4	1	2	1	0	2	1	0	0	0	0	1	2	5	4	6	0	29
(1)	.73	.18	.36	.18	.00	.36	.18	.00	.00	.00	.00	.18	.36	.91	.73	1.09	.00	5.26
(2)	.04	.01	.02	.01	.00	.02	.01	.00	.00	.00	.00	.01	.02	.05	.04	.05	.00	.26
1.6- 2.0	6	8	5	2	3	5	0	4	0	1	0	4	4	7	4	4	0	57
(1)	1.09	1.45	.91	.36	.54	.91	.00	.73	.00	.18	.00	.73	.73	1.27	.73	.73	.00	10.34
(2)	.05	.07	.05	.02	.03	.05	.00	.04	.00	.01	.00	.04	.04	.06	.04	.04	.00	.52
2.1- 3.0	14	13	6	1	1	1	9	11	14	10	4	32	20	11	9	4	0	160
(1)	2.54	2.36	1.09	.18	.18	.18	1.63	2.00	2.54	1.81	.73	5.81	3.63	2.00	1.63	.73	.00	29.04
(2)	.13	.12	.05	.01	.01	.01	.08	.10	.13	.09	.04	.29	.18	.10	.08	.04	.00	1.46
3.1- 4.0	9	6	1	0	1	2	11	6	13	14	2	34	38	5	5	1	0	148
(1)	1.63	1.09	.18	.00	.18	.36	2.00	1.09	2.36	2.54	.36	6.17	6.90	.91	.91	.18	.00	26.86
(2)	.08	.05	.01	.00	.01	.02	.10	.05	.12	.13	.02	.31	.35	.05	.05	.01	.00	1.35
4.1- 5.0	3	1	1	0	0	3	1	2	1	4	0	8	18	5	1	0	0	48
(1)	.54	.18	.18	.00	.00	.54	.18	.36	.18	.73	.00	1.45	3.27	.91	.18	.00	.00	8.71
(2)	.03	.01	.01	.00	.00	.03	.01	.02	.01	.04	.00	.07	.16	.05	.01	.00	.00	.44
5.1- 6.0	2	2	0	0	0	0	0	0	0	0	0	5	11	2	1	0	0	23
(1)	.36	.36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.91	2.00	.36	.18	.00	.00	4.17
(2)	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.10	.02	.01	.00	.00	.21
6.1- 8.0	3	1	0	0	0	0	0	0	0	0	0	0	31	15	0	0	0	50
(1)	.54	.18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.63	2.72	.00	.00	.00	9.07
(2)	.03	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.14	.00	.00	.00	.46
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	24	6	0	0	0	30
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.36	1.09	.00	.00	.00	5.44
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.05	.00	.00	.00	.27
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.36	.36	.00	.00	.00	.73
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.04
ALL SPEEDS	41	32	15	4	5	13	22	23	28	29	6	85	150	59	24	15	0	551
(1)	7.44	5.81	2.72	.73	.91	2.36	3.99	4.17	5.08	5.26	1.09	15.43	27.22	10.71	4.36	2.72	.00	100.00
(2)	.37	.29	.14	.04	.05	.12	.20	.21	.26	.26	.05	.77	1.37	.54	.22	.14	.00	5.02

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Table 2.3-29—{NMPNS 30 ft (9-m) 2001-2005 Summer JFD}

(Page 4 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 30.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	7	2	11	10	7	6	6	3	2	3	7	0	6	8	7	6	0	91
(1)	.21	.06	.33	.30	.21	.18	.18	.09	.06	.09	.21	.00	.18	.24	.21	.18	.00	2.76
(2)	.06	.02	.10	.09	.06	.05	.05	.03	.02	.03	.06	.00	.05	.07	.06	.05	.00	.83
1.1- 1.5	23	14	26	16	20	12	8	10	10	16	8	16	24	22	22	22	0	269
(1)	.70	.43	.79	.49	.61	.36	.24	.30	.30	.49	.24	.49	.73	.67	.67	.67	.00	8.17
(2)	.21	.13	.24	.15	.18	.11	.07	.09	.09	.15	.07	.15	.22	.20	.20	.20	.00	2.45
1.6- 2.0	25	38	52	19	14	21	20	31	25	17	13	30	34	29	25	21	0	414
(1)	.76	1.15	1.58	.58	.43	.64	.61	.94	.76	.52	.39	.91	1.03	.88	.76	.64	.00	12.58
(2)	.23	.35	.47	.17	.13	.19	.18	.28	.23	.15	.12	.27	.31	.26	.23	.19	.00	3.77
2.1- 3.0	56	68	63	8	18	45	65	63	77	45	55	218	84	46	30	20	0	961
(1)	1.70	2.07	1.91	.24	.55	1.37	1.97	1.91	2.34	1.37	1.67	6.62	2.55	1.40	.91	.61	.00	29.19
(2)	.51	.62	.57	.07	.16	.41	.59	.57	.70	.41	.50	1.99	.77	.42	.27	.18	.00	8.76
3.1- 4.0	26	61	34	2	1	37	49	46	90	40	55	181	92	33	26	4	0	777
(1)	.79	1.85	1.03	.06	.03	1.12	1.49	1.40	2.73	1.22	1.67	5.50	2.79	1.00	.79	.12	.00	23.60
(2)	.24	.56	.31	.02	.01	.34	.45	.42	.82	.36	.50	1.65	.84	.30	.24	.04	.00	7.08
4.1- 5.0	22	28	11	1	0	9	26	16	26	18	20	62	67	39	14	5	0	364
(1)	.67	.85	.33	.03	.00	.27	.79	.49	.79	.55	.61	1.88	2.04	1.18	.43	.15	.00	11.06
(2)	.20	.26	.10	.01	.00	.08	.24	.15	.24	.16	.18	.57	.61	.36	.13	.05	.00	3.32
5.1- 6.0	14	5	0	0	0	2	1	1	5	1	1	21	70	24	5	0	0	150
(1)	.43	.15	.00	.00	.00	.06	.03	.03	.15	.03	.03	.64	2.13	.73	.15	.00	.00	4.56
(2)	.13	.05	.00	.00	.00	.02	.01	.01	.05	.01	.01	.19	.64	.22	.05	.00	.00	1.37
6.1- 8.0	2	2	0	0	0	0	0	0	0	0	0	3	122	36	0	0	0	165
(1)	.06	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	3.71	1.09	.00	.00	.00	5.01
(2)	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	1.11	.33	.00	.00	.00	1.50
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	72	17	1	0	0	90
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.19	.52	.03	.00	.00	2.73
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.66	.15	.01	.00	.00	.82
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	10	1	0	0	0	11
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.03	.00	.00	.00	.33
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.01	.00	.00	.00	.10
ALL SPEEDS	175	218	197	56	60	132	175	170	235	140	159	531	581	255	130	78	0	3292
(1)	5.32	6.62	5.98	1.70	1.82	4.01	5.32	5.16	7.14	4.25	4.83	16.13	17.65	7.75	3.95	2.37	.00	100.00
(2)	1.59	1.99	1.80	.51	.55	1.20	1.59	1.55	2.14	1.28	1.45	4.84	5.30	2.32	1.18	.71	.00	30.00

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Table 2.3-29—{NMPNS 30 ft (9-m) 2001-2005 Summer JFD}

(Page 5 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 29.29

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	4	3	12	26	23	21	13	14	20	14	11	8	8	9	8	5	0	199
(1)	.12	.09	.37	.81	.72	.65	.40	.44	.62	.44	.34	.25	.25	.28	.25	.16	.00	6.19
(2)	.04	.03	.11	.24	.21	.19	.12	.13	.18	.13	.10	.07	.07	.08	.07	.05	.00	1.81
1.1- 1.5	18	22	38	29	53	42	39	21	31	25	29	27	23	23	18	18	0	456
(1)	.56	.68	1.18	.90	1.65	1.31	1.21	.65	.96	.78	.90	.84	.72	.72	.56	.56	.00	14.19
(2)	.16	.20	.35	.26	.48	.38	.36	.19	.28	.23	.26	.25	.21	.21	.16	.16	.00	4.16
1.6- 2.0	18	36	23	25	25	47	46	42	31	42	54	40	25	23	10	13	0	500
(1)	.56	1.12	.72	.78	.78	1.46	1.43	1.31	.96	1.31	1.68	1.24	.78	.72	.31	.40	.00	15.56
(2)	.16	.33	.21	.23	.23	.43	.42	.38	.28	.38	.49	.36	.23	.21	.09	.12	.00	4.56
2.1- 3.0	34	32	38	15	11	68	111	142	146	97	132	189	72	14	6	0	0	1107
(1)	1.06	1.00	1.18	.47	.34	2.12	3.45	4.42	4.54	3.02	4.11	5.88	2.24	.44	.19	.00	.00	34.44
(2)	.31	.29	.35	.14	.10	.62	1.01	1.29	1.33	.88	1.20	1.72	.66	.13	.05	.00	.00	10.09
3.1- 4.0	3	5	8	1	0	26	68	86	195	57	77	133	37	5	3	0	0	704
(1)	.09	.16	.25	.03	.00	.81	2.12	2.68	6.07	1.77	2.40	4.14	1.15	.16	.09	.00	.00	21.90
(2)	.03	.05	.07	.01	.00	.24	.62	.78	1.78	.52	.70	1.21	.34	.05	.03	.00	.00	6.42
4.1- 5.0	0	1	1	0	0	11	14	10	39	9	25	37	20	7	2	0	0	176
(1)	.00	.03	.03	.00	.00	.34	.44	.31	1.21	.28	.78	1.15	.62	.22	.06	.00	.00	5.48
(2)	.00	.01	.01	.00	.00	.10	.13	.09	.36	.08	.23	.34	.18	.06	.02	.00	.00	1.60
5.1- 6.0	0	0	0	0	0	2	3	1	1	1	0	10	16	6	0	0	0	40
(1)	.00	.00	.00	.00	.00	.06	.09	.03	.03	.03	.00	.31	.50	.19	.00	.00	.00	1.24
(2)	.00	.00	.00	.00	.00	.02	.03	.01	.01	.01	.00	.09	.15	.05	.00	.00	.00	.36
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	3	16	2	0	0	0	21
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.50	.06	.00	.00	.00	.65
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.15	.02	.00	.00	.00	.19
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	1	8	1	0	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.25	.03	.00	.00	.00	.31
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.07	.01	.00	.00	.00	.09
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01
ALL SPEEDS	77	99	120	96	112	217	294	316	463	245	328	448	226	90	47	36	0	3214
(1)	2.40	3.08	3.73	2.99	3.48	6.75	9.15	9.83	14.41	7.62	10.21	13.94	7.03	2.80	1.46	1.12	.00	100.00
(2)	.70	.90	1.09	.87	1.02	1.98	2.68	2.88	4.22	2.23	2.99	4.08	2.06	.82	.43	.33	.00	29.29

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Table 2.3-29—{NMPNS 30 ft (9-m) 2001-2005 Summer JFD}

(Page 6 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 11.19

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	1	4	15	12	21	36	42	15	7	5	4	2	1	3	1	0	172
(1)	.24	.08	.33	1.22	.98	1.71	2.93	3.42	1.22	.57	.41	.33	.16	.08	.24	.08	.00	14.01
(2)	.03	.01	.04	.14	.11	.19	.33	.38	.14	.06	.05	.04	.02	.01	.03	.01	.00	1.57
1.1- 1.5	2	4	3	7	29	45	30	34	36	20	5	12	10	7	5	8	0	257
(1)	.16	.33	.24	.57	2.36	3.66	2.44	2.77	2.93	1.63	.41	.98	.81	.57	.41	.65	.00	20.93
(2)	.02	.04	.03	.06	.26	.41	.27	.31	.33	.18	.05	.11	.09	.06	.05	.07	.00	2.34
1.6- 2.0	6	3	8	1	25	47	31	38	32	24	15	7	16	2	1	3	0	259
(1)	.49	.24	.65	.08	2.04	3.83	2.52	3.09	2.61	1.95	1.22	.57	1.30	.16	.08	.24	.00	21.09
(2)	.05	.03	.07	.01	.23	.43	.28	.35	.29	.22	.14	.06	.15	.02	.01	.03	.00	2.36
2.1- 3.0	8	9	0	0	2	7	49	69	115	65	11	35	20	4	1	2	0	397
(1)	.65	.73	.00	.00	.16	.57	3.99	5.62	9.36	5.29	.90	2.85	1.63	.33	.08	.16	.00	32.33
(2)	.07	.08	.00	.00	.02	.06	.45	.63	1.05	.59	.10	.32	.18	.04	.01	.02	.00	3.62
3.1- 4.0	0	1	0	0	0	1	1	12	64	8	3	23	10	1	0	0	0	124
(1)	.00	.08	.00	.00	.00	.08	.08	.98	5.21	.65	.24	1.87	.81	.08	.00	.00	.00	10.10
(2)	.00	.01	.00	.00	.00	.01	.01	.11	.58	.07	.03	.21	.09	.01	.00	.00	.00	1.13
4.1- 5.0	0	0	0	0	0	0	0	0	1	1	0	7	5	2	0	0	0	16
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.08	.08	.00	.57	.41	.16	.00	.00	.00	1.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.06	.05	.02	.00	.00	.00	.15
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00	.08
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.08	.00	.00	.00	.16
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.02
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	19	18	15	23	68	121	147	195	263	125	39	88	65	18	10	14	0	1228
(1)	1.55	1.47	1.22	1.87	5.54	9.85	11.97	15.88	21.42	10.18	3.18	7.17	5.29	1.47	.81	1.14	.00	100.00
(2)	.17	.16	.14	.21	.62	1.10	1.34	1.78	2.40	1.14	.36	.80	.59	.16	.09	.13	.00	11.19

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Table 2.3-29—{NMPNS 30 ft (9-m) 2001-2005 Summer JFD}

(Page 7 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 10.73

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	8	17	70	33	12	4	2	1	0	1	1	0	0	149
(1)	.00	.00	.00	.00	.68	1.44	5.95	2.80	1.02	.34	.17	.08	.00	.08	.08	.00	.00	12.66
(2)	.00	.00	.00	.00	.07	.15	.64	.30	.11	.04	.02	.01	.00	.01	.01	.00	.00	1.36
1.1- 1.5	0	1	0	1	8	61	136	79	24	4	3	1	0	0	2	1	0	321
(1)	.00	.08	.00	.08	.68	5.18	11.55	6.71	2.04	.34	.25	.08	.00	.00	.17	.08	.00	27.27
(2)	.00	.01	.00	.01	.07	.56	1.24	.72	.22	.04	.03	.01	.00	.00	.02	.01	.00	2.93
1.6- 2.0	0	3	1	0	2	38	79	75	37	3	2	1	2	1	0	0	0	244
(1)	.00	.25	.08	.00	.17	3.23	6.71	6.37	3.14	.25	.17	.08	.17	.08	.00	.00	.00	20.73
(2)	.00	.03	.01	.00	.02	.35	.72	.68	.34	.03	.02	.01	.02	.01	.00	.00	.00	2.22
2.1- 3.0	0	2	1	0	0	6	68	188	131	19	0	8	8	0	0	0	0	431
(1)	.00	.17	.08	.00	.00	.51	5.78	15.97	11.13	1.61	.00	.68	.68	.00	.00	.00	.00	36.62
(2)	.00	.02	.01	.00	.00	.05	.62	1.71	1.19	.17	.00	.07	.07	.00	.00	.00	.00	3.93
3.1- 4.0	0	2	0	0	0	0	0	1	12	0	0	5	2	0	0	0	0	22
(1)	.00	.17	.00	.00	.00	.00	.00	.08	1.02	.00	.00	.42	.17	.00	.00	.00	.00	1.87
(2)	.00	.02	.00	.00	.00	.00	.00	.01	.11	.00	.00	.05	.02	.00	.00	.00	.00	.20
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	1	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.25	.08	.08	.00	.00	.51
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.01	.01	.00	.00	.05
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.00	.00	.00	.25
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00	.08
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	8	2	1	18	122	353	376	216	30	7	17	16	6	4	1	0	1177
(1)	.00	.68	.17	.08	1.53	10.37	29.99	31.95	18.35	2.55	.59	1.44	1.36	.51	.34	.08	.00	100.00
(2)	.00	.07	.02	.01	.16	1.11	3.22	3.43	1.97	.27	.06	.15	.15	.05	.04	.01	.00	10.73

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Table 2.3-29—{NMPNS 30 ft (9-m) 2001-2005 Summer JFD}

(Page 8 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	16	6	27	51	50	65	125	92	49	28	25	14	16	20	19	12	0	615
(1)	.15	.05	.25	.46	.46	.59	1.14	.84	.45	.26	.23	.13	.15	.18	.17	.11	.00	5.61
(2)	.15	.05	.25	.46	.46	.59	1.14	.84	.45	.26	.23	.13	.15	.18	.17	.11	.00	5.61
1.1- 1.5	49	43	70	54	111	162	214	144	101	65	45	57	61	61	74	71	0	1382
(1)	.45	.39	.64	.49	1.01	1.48	1.95	1.31	.92	.59	.41	.52	.56	.56	.67	.65	.00	12.60
(2)	.45	.39	.64	.49	1.01	1.48	1.95	1.31	.92	.59	.41	.52	.56	.56	.67	.65	.00	12.60
1.6- 2.0	70	95	96	49	69	158	183	193	127	89	85	89	84	84	89	97	0	1657
(1)	.64	.87	.87	.45	.63	1.44	1.67	1.76	1.16	.81	.77	.81	.77	.77	.81	.88	.00	15.10
(2)	.64	.87	.87	.45	.63	1.44	1.67	1.76	1.16	.81	.77	.81	.77	.77	.81	.88	.00	15.10
2.1- 3.0	175	153	118	25	34	128	314	484	491	242	207	607	238	153	119	87	0	3575
(1)	1.59	1.39	1.08	.23	.31	1.17	2.86	4.41	4.48	2.21	1.89	5.53	2.17	1.39	1.08	.79	.00	32.58
(2)	1.59	1.39	1.08	.23	.31	1.17	2.86	4.41	4.48	2.21	1.89	5.53	2.17	1.39	1.08	.79	.00	32.58
3.1- 4.0	75	100	47	3	2	72	139	161	390	130	140	506	262	93	47	11	0	2178
(1)	.68	.91	.43	.03	.02	.66	1.27	1.47	3.55	1.18	1.28	4.61	2.39	.85	.43	.10	.00	19.85
(2)	.68	.91	.43	.03	.02	.66	1.27	1.47	3.55	1.18	1.28	4.61	2.39	.85	.43	.10	.00	19.85
4.1- 5.0	53	39	13	1	0	23	44	39	74	32	47	155	170	75	25	5	0	795
(1)	.48	.36	.12	.01	.00	.21	.40	.36	.67	.29	.43	1.41	1.55	.68	.23	.05	.00	7.25
(2)	.48	.36	.12	.01	.00	.21	.40	.36	.67	.29	.43	1.41	1.55	.68	.23	.05	.00	7.25
5.1- 6.0	32	9	0	0	0	4	4	3	6	2	1	48	122	53	8	0	0	292
(1)	.29	.08	.00	.00	.00	.04	.04	.03	.05	.02	.01	.44	1.11	.48	.07	.00	.00	2.66
(2)	.29	.08	.00	.00	.00	.04	.04	.03	.05	.02	.01	.44	1.11	.48	.07	.00	.00	2.66
6.1- 8.0	5	3	0	0	0	0	0	0	0	0	0	11	210	69	0	1	0	299
(1)	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	1.91	.63	.00	.01	.00	2.73
(2)	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	1.91	.63	.00	.01	.00	2.73
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	1	125	25	1	0	0	152
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	1.14	.23	.01	.00	.00	1.39
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	1.14	.23	.01	.00	.00	1.39
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	24	3	0	0	0	27
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.03	.00	.00	.00	.25
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.03	.00	.00	.00	.25
ALL SPEEDS	475	448	371	183	266	612	1023	1116	1238	588	550	1488	1312	636	382	284	0	10972
(1)	4.33	4.08	3.38	1.67	2.42	5.58	9.32	10.17	11.28	5.36	5.01	13.56	11.96	5.80	3.48	2.59	.00	100.00
(2)	4.33	4.08	3.38	1.67	2.42	5.58	9.32	10.17	11.28	5.36	5.01	13.56	11.96	5.80	3.48	2.59	.00	100.00

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Table 2.3-30—{NMPNS 30 ft (9-m) 2001-2005 Autumn JFD}

(Page 1 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 8.71

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.11
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	5	0	14
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.53	.32	.53	.00	1.49
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.05	.03	.05	.00	.13
1.6- 2.0	8	1	0	0	0	0	2	0	1	1	0	1	0	6	19	21	0	60
(1)	.85	.11	.00	.00	.00	.00	.21	.00	.11	.11	.00	.11	.00	.64	2.03	2.24	.00	6.40
(2)	.07	.01	.00	.00	.00	.00	.02	.00	.01	.01	.00	.01	.00	.06	.18	.20	.00	.56
2.1- 3.0	42	19	9	4	1	9	6	7	2	3	0	25	7	21	22	32	0	209
(1)	4.48	2.03	.96	.43	.11	.96	.64	.75	.21	.32	.00	2.67	.75	2.24	2.35	3.41	.00	22.28
(2)	.39	.18	.08	.04	.01	.08	.06	.07	.02	.03	.00	.23	.07	.20	.20	.30	.00	1.94
3.1- 4.0	33	25	4	1	2	14	18	13	4	0	6	15	5	13	24	16	0	193
(1)	3.52	2.67	.43	.11	.21	1.49	1.92	1.39	.43	.00	.64	1.60	.53	1.39	2.56	1.71	.00	20.58
(2)	.31	.23	.04	.01	.02	.13	.17	.12	.04	.00	.06	.14	.05	.12	.22	.15	.00	1.79
4.1- 5.0	22	16	10	0	0	1	2	2	2	0	2	6	6	7	6	11	0	93
(1)	2.35	1.71	1.07	.00	.00	.11	.21	.21	.21	.00	.21	.64	.64	.75	.64	1.17	.00	9.91
(2)	.20	.15	.09	.00	.00	.01	.02	.02	.02	.00	.02	.06	.06	.07	.06	.10	.00	.86
5.1- 6.0	12	5	3	0	0	0	1	1	1	0	0	2	5	3	12	7	0	52
(1)	1.28	.53	.32	.00	.00	.00	.11	.11	.11	.00	.00	.21	.53	.32	1.28	.75	.00	5.54
(2)	.11	.05	.03	.00	.00	.00	.01	.01	.01	.00	.00	.02	.05	.03	.11	.07	.00	.48
6.1- 8.0	16	7	1	0	0	1	0	0	0	0	1	1	4	4	27	18	0	80
(1)	1.71	.75	.11	.00	.00	.11	.00	.00	.00	.00	.11	.11	.43	.43	2.88	1.92	.00	8.53
(2)	.15	.07	.01	.00	.00	.01	.00	.00	.00	.00	.01	.01	.04	.04	.25	.17	.00	.74
8.1-10.0	6	5	0	0	0	0	0	0	0	0	0	6	3	11	32	7	0	70
(1)	.64	.53	.00	.00	.00	.00	.00	.00	.00	.00	.00	.64	.32	1.17	3.41	.75	.00	7.46
(2)	.06	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.03	.10	.30	.07	.00	.65
10.1-40.3	3	0	0	0	0	0	0	0	0	0	0	11	40	83	29	0	0	166
(1)	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.17	4.26	8.85	3.09	.00	.00	17.70
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.37	.77	.27	.00	.00	1.54
ALL SPEEDS	142	78	27	5	3	25	29	23	10	4	9	67	71	154	174	117	0	938
(1)	15.14	8.32	2.88	.53	.32	2.67	3.09	2.45	1.07	.43	.96	7.14	7.57	16.42	18.55	12.47	.00	100.00
(2)	1.32	.72	.25	.05	.03	.23	.27	.21	.09	.04	.08	.62	.66	1.43	1.62	1.09	.00	8.71

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Table 2.3-30—{NMPNS 30 ft (9-m) 2001-2005 Autumn JFD}

(Page 2 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.81

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	3
(1)	.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.00	.16	.00	.48
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.03
1.1- 1.5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	4	1	0	7
(1)	.16	.00	.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.64	.16	.00	1.12
(2)	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.01	.00	.07
1.6- 2.0	3	1	2	0	2	0	0	2	2	2	0	1	4	4	2	3	0	28
(1)	.48	.16	.32	.00	.32	.00	.00	.32	.32	.32	.00	.16	.64	.64	.32	.48	.00	4.48
(2)	.03	.01	.02	.00	.02	.00	.00	.02	.02	.02	.00	.01	.04	.04	.02	.03	.00	.26
2.1- 3.0	12	9	2	1	3	7	9	6	7	3	4	11	5	7	7	6	0	99
(1)	1.92	1.44	.32	.16	.48	1.12	1.44	.96	1.12	.48	.64	1.76	.80	1.12	1.12	.96	.00	15.84
(2)	.11	.08	.02	.01	.03	.07	.08	.06	.07	.03	.04	.10	.05	.07	.07	.06	.00	.92
3.1- 4.0	11	4	3	0	1	5	7	12	11	4	1	13	11	10	14	19	0	126
(1)	1.76	.64	.48	.00	.16	.80	1.12	1.92	1.76	.64	.16	2.08	1.76	1.60	2.24	3.04	.00	20.16
(2)	.10	.04	.03	.00	.01	.05	.07	.11	.10	.04	.01	.12	.10	.09	.13	.18	.00	1.17
4.1- 5.0	4	9	1	0	0	2	5	7	6	4	1	9	17	3	15	11	0	94
(1)	.64	1.44	.16	.00	.00	.32	.80	1.12	.96	.64	.16	1.44	2.72	.48	2.40	1.76	.00	15.04
(2)	.04	.08	.01	.00	.00	.02	.05	.07	.06	.04	.01	.08	.16	.03	.14	.10	.00	.87
5.1- 6.0	4	0	1	0	0	0	2	0	0	0	2	2	6	11	18	7	0	53
(1)	.64	.00	.16	.00	.00	.00	.32	.00	.00	.00	.32	.32	.96	1.76	2.88	1.12	.00	8.48
(2)	.04	.00	.01	.00	.00	.00	.02	.00	.00	.00	.02	.02	.06	.10	.17	.07	.00	.49
6.1- 8.0	4	1	1	0	0	2	0	0	0	0	0	3	12	15	42	17	0	97
(1)	.64	.16	.16	.00	.00	.32	.00	.00	.00	.00	.00	.48	1.92	2.40	6.72	2.72	.00	15.52
(2)	.04	.01	.01	.00	.00	.02	.00	.00	.00	.00	.00	.03	.11	.14	.39	.16	.00	.90
8.1-10.0	0	3	0	0	0	0	0	0	0	0	0	10	6	17	14	2	0	52
(1)	.00	.48	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.60	.96	2.72	2.24	.32	.00	8.32
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.06	.16	.13	.02	.00	.48
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	5	31	22	8	0	0	66
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.80	4.96	3.52	1.28	.00	.00	10.56
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.29	.20	.07	.00	.00	.61
ALL SPEEDS	40	27	11	1	6	16	23	27	26	13	8	54	92	90	124	67	0	625
(1)	6.40	4.32	1.76	.16	.96	2.56	3.68	4.32	4.16	2.08	1.28	8.64	14.72	14.40	19.84	10.72	.00	100.00
(2)	.37	.25	.10	.01	.06	.15	.21	.25	.24	.12	.07	.50	.85	.84	1.15	.62	.00	5.81

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Table 2.3-30—{NMPNS 30 ft (9-m) 2001-2005 Autumn JFD}

(Page 3 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.10

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	0	0	1	0	1	0	0	1	0	0	0	1	1	2	2	0	10
(1)	.13	.00	.00	.13	.00	.13	.00	.00	.13	.00	.00	.00	.13	.13	.26	.26	.00	1.31
(2)	.01	.00	.00	.01	.00	.01	.00	.00	.01	.00	.00	.00	.01	.01	.02	.02	.00	.09
1.6- 2.0	2	1	3	1	3	2	1	3	0	0	2	0	2	1	4	3	0	28
(1)	.26	.13	.39	.13	.39	.26	.13	.39	.00	.00	.26	.00	.26	.13	.52	.39	.00	3.66
(2)	.02	.01	.03	.01	.03	.02	.01	.03	.00	.00	.02	.00	.02	.01	.04	.03	.00	.26
2.1- 3.0	13	11	9	3	4	10	6	9	16	12	3	7	7	4	7	3	0	124
(1)	1.70	1.44	1.18	.39	.52	1.31	.79	1.18	2.09	1.57	.39	.92	.92	.52	.92	.39	.00	16.23
(2)	.12	.10	.08	.03	.04	.09	.06	.08	.15	.11	.03	.07	.07	.04	.07	.03	.00	1.15
3.1- 4.0	8	10	9	0	0	7	13	17	30	8	7	10	16	13	13	17	0	178
(1)	1.05	1.31	1.18	.00	.00	.92	1.70	2.23	3.93	1.05	.92	1.31	2.09	1.70	1.70	2.23	.00	23.30
(2)	.07	.09	.08	.00	.00	.07	.12	.16	.28	.07	.07	.09	.15	.12	.12	.16	.00	1.65
4.1- 5.0	24	14	7	0	0	1	11	10	7	2	0	2	13	4	14	9	0	118
(1)	3.14	1.83	.92	.00	.00	.13	1.44	1.31	.92	.26	.00	.26	1.70	.52	1.83	1.18	.00	15.45
(2)	.22	.13	.07	.00	.00	.01	.10	.09	.07	.02	.00	.02	.12	.04	.13	.08	.00	1.10
5.1- 6.0	7	1	2	0	0	0	3	5	1	1	1	5	5	10	20	6	0	67
(1)	.92	.13	.26	.00	.00	.00	.39	.65	.13	.13	.13	.65	.65	1.31	2.62	.79	.00	8.77
(2)	.07	.01	.02	.00	.00	.00	.03	.05	.01	.01	.01	.05	.05	.09	.19	.06	.00	.62
6.1- 8.0	2	2	9	0	0	0	1	0	1	0	0	3	23	23	30	18	0	112
(1)	.26	.26	1.18	.00	.00	.00	.13	.00	.13	.00	.00	.39	3.01	3.01	3.93	2.36	.00	14.66
(2)	.02	.02	.08	.00	.00	.00	.01	.00	.01	.00	.00	.03	.21	.21	.28	.17	.00	1.04
8.1-10.0	0	4	1	0	0	0	0	0	0	0	1	6	11	14	11	1	0	49
(1)	.00	.52	.13	.00	.00	.00	.00	.00	.00	.00	.13	.79	1.44	1.83	1.44	.13	.00	6.41
(2)	.00	.04	.01	.00	.00	.00	.00	.00	.00	.00	.01	.06	.10	.13	.10	.01	.00	.46
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	5	33	37	3	0	0	78
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.65	4.32	4.84	.39	.00	.00	10.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.31	.34	.03	.00	.00	.72
ALL SPEEDS	57	43	40	5	7	21	35	44	56	23	14	38	111	107	104	59	0	764
(1)	7.46	5.63	5.24	.65	.92	2.75	4.58	5.76	7.33	3.01	1.83	4.97	14.53	14.01	13.61	7.72	.00	100.00
(2)	.53	.40	.37	.05	.07	.20	.33	.41	.52	.21	.13	.35	1.03	.99	.97	.55	.00	7.10

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Table 2.3-30—{NMPNS 30 ft (9-m) 2001-2005 Autumn JFD}

(Page 4 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 40.09

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	3	7	10	5	8	5	1	2	1	1	2	1	4	0	1	0	54
(1)	.07	.07	.16	.23	.12	.19	.12	.02	.05	.02	.02	.05	.02	.09	.00	.02	.00	1.25
(2)	.03	.03	.07	.09	.05	.07	.05	.01	.02	.01	.01	.02	.01	.04	.00	.01	.00	.50
1.1- 1.5	11	10	19	26	25	23	17	10	9	3	2	8	2	6	9	14	0	194
(1)	.25	.23	.44	.60	.58	.53	.39	.23	.21	.07	.05	.19	.05	.14	.21	.32	.00	4.49
(2)	.10	.09	.18	.24	.23	.21	.16	.09	.08	.03	.02	.07	.02	.06	.08	.13	.00	1.80
1.6- 2.0	18	34	40	25	30	33	34	17	15	14	16	11	7	10	9	18	0	331
(1)	.42	.79	.93	.58	.70	.76	.79	.39	.35	.32	.37	.25	.16	.23	.21	.42	.00	7.67
(2)	.17	.32	.37	.23	.28	.31	.32	.16	.14	.13	.15	.10	.07	.09	.08	.17	.00	3.07
2.1- 3.0	60	58	113	68	44	115	90	62	95	56	27	50	24	22	58	37	0	979
(1)	1.39	1.34	2.62	1.58	1.02	2.66	2.09	1.44	2.20	1.30	.63	1.16	.56	.51	1.34	.86	.00	22.68
(2)	.56	.54	1.05	.63	.41	1.07	.84	.58	.88	.52	.25	.46	.22	.20	.54	.34	.00	9.09
3.1- 4.0	24	66	99	10	12	130	121	76	136	66	43	37	45	33	57	15	0	970
(1)	.56	1.53	2.29	.23	.28	3.01	2.80	1.76	3.15	1.53	1.00	.86	1.04	.76	1.32	.35	.00	22.47
(2)	.22	.61	.92	.09	.11	1.21	1.12	.71	1.26	.61	.40	.34	.42	.31	.53	.14	.00	9.01
4.1- 5.0	16	51	41	0	3	24	94	49	92	56	41	27	39	41	37	13	0	624
(1)	.37	1.18	.95	.00	.07	.56	2.18	1.14	2.13	1.30	.95	.63	.90	.95	.86	.30	.00	14.46
(2)	.15	.47	.38	.00	.03	.22	.87	.46	.85	.52	.38	.25	.36	.38	.34	.12	.00	5.80
5.1- 6.0	9	25	16	0	0	4	54	54	41	19	35	28	50	33	25	7	0	400
(1)	.21	.58	.37	.00	.00	.09	1.25	1.25	.95	.44	.81	.65	1.16	.76	.58	.16	.00	9.27
(2)	.08	.23	.15	.00	.00	.04	.50	.50	.38	.18	.33	.26	.46	.31	.23	.07	.00	3.72
6.1- 8.0	2	4	1	0	0	13	13	41	6	4	11	40	129	75	28	2	0	369
(1)	.05	.09	.02	.00	.00	.30	.30	.95	.14	.09	.25	.93	2.99	1.74	.65	.05	.00	8.55
(2)	.02	.04	.01	.00	.00	.12	.12	.38	.06	.04	.10	.37	1.20	.70	.26	.02	.00	3.43
8.1-10.0	1	0	0	0	0	0	1	6	0	0	4	24	66	65	18	0	0	185
(1)	.02	.00	.00	.00	.00	.00	.02	.14	.00	.00	.09	.56	1.53	1.51	.42	.00	.00	4.29
(2)	.01	.00	.00	.00	.00	.00	.01	.06	.00	.00	.04	.22	.61	.60	.17	.00	.00	1.72
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	22	121	61	6	0	0	210
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.51	2.80	1.41	.14	.00	.00	4.87
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	1.12	.57	.06	.00	.00	1.95
ALL SPEEDS	144	251	336	139	119	350	429	316	396	219	180	249	484	350	247	107	0	4316
(1)	3.34	5.82	7.78	3.22	2.76	8.11	9.94	7.32	9.18	5.07	4.17	5.77	11.21	8.11	5.72	2.48	.00	100.00
(2)	1.34	2.33	3.12	1.29	1.11	3.25	3.99	2.94	3.68	2.03	1.67	2.31	4.50	3.25	2.29	.99	.00	40.09

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Table 2.3-30—{NMPNS 30 ft (9-m) 2001-2005 Autumn JFD}

(Page 5 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 25.41

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	2	0	6	10	17	12	7	4	3	5	6	3	2	2	0	0	0	79
(1)	.07	.00	.22	.37	.62	.44	.26	.15	.11	.18	.22	.11	.07	.07	.00	.00	.00	2.89
(2)	.02	.00	.06	.09	.16	.11	.07	.04	.03	.05	.06	.03	.02	.02	.00	.00	.00	.73
1.1- 1.5	4	5	11	15	28	31	29	14	15	9	11	6	3	5	2	5	0	193
(1)	.15	.18	.40	.55	1.02	1.13	1.06	.51	.55	.33	.40	.22	.11	.18	.07	.18	.00	7.06
(2)	.04	.05	.10	.14	.26	.29	.27	.13	.14	.08	.10	.06	.03	.05	.02	.05	.00	1.79
1.6- 2.0	3	2	13	19	48	49	42	49	23	9	17	9	8	5	1	1	0	298
(1)	.11	.07	.48	.69	1.76	1.79	1.54	1.79	.84	.33	.62	.33	.29	.18	.04	.04	.00	10.90
(2)	.03	.02	.12	.18	.45	.46	.39	.46	.21	.08	.16	.08	.07	.05	.01	.01	.00	2.77
2.1- 3.0	13	7	16	19	15	114	206	163	153	68	42	46	18	6	2	3	0	891
(1)	.48	.26	.59	.69	.55	4.17	7.53	5.96	5.59	2.49	1.54	1.68	.66	.22	.07	.11	.00	32.58
(2)	.12	.07	.15	.18	.14	1.06	1.91	1.51	1.42	.63	.39	.43	.17	.06	.02	.03	.00	8.28
3.1- 4.0	0	2	2	1	2	21	160	159	224	83	41	43	15	2	2	0	0	757
(1)	.00	.07	.07	.04	.07	.77	5.85	5.81	8.19	3.03	1.50	1.57	.55	.07	.07	.00	.00	27.68
(2)	.00	.02	.02	.01	.02	.20	1.49	1.48	2.08	.77	.38	.40	.14	.02	.02	.00	.00	7.03
4.1- 5.0	0	1	0	0	1	3	74	66	90	22	19	31	8	8	4	0	0	327
(1)	.00	.04	.00	.00	.04	.11	2.71	2.41	3.29	.80	.69	1.13	.29	.29	.15	.00	.00	11.96
(2)	.00	.01	.00	.00	.01	.03	.69	.61	.84	.20	.18	.29	.07	.07	.04	.00	.00	3.04
5.1- 6.0	0	0	0	0	0	1	21	18	16	3	5	17	9	0	2	0	0	92
(1)	.00	.00	.00	.00	.00	.04	.77	.66	.59	.11	.18	.62	.33	.00	.07	.00	.00	3.36
(2)	.00	.00	.00	.00	.00	.01	.20	.17	.15	.03	.05	.16	.08	.00	.02	.00	.00	.85
6.1- 8.0	0	0	0	0	0	0	2	12	1	0	1	14	8	10	0	0	0	48
(1)	.00	.00	.00	.00	.00	.00	.07	.44	.04	.00	.04	.51	.29	.37	.00	.00	.00	1.76
(2)	.00	.00	.00	.00	.00	.00	.02	.11	.01	.00	.01	.13	.07	.09	.00	.00	.00	.45
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	4	10	3	1	1	0	19
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.37	.11	.04	.04	.00	.69
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.09	.03	.01	.01	.00	.18
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	2	21	8	0	0	0	31
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.77	.29	.00	.00	.00	1.13
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.20	.07	.00	.00	.00	.29
ALL SPEEDS	22	17	48	64	111	231	541	485	525	199	142	175	102	49	14	10	0	2735
(1)	.80	.62	1.76	2.34	4.06	8.45	19.78	17.73	19.20	7.28	5.19	6.40	3.73	1.79	.51	.37	.00	100.00
(2)	.20	.16	.45	.59	1.03	2.15	5.03	4.51	4.88	1.85	1.32	1.63	.95	.46	.13	.09	.00	25.41

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Table 2.3-30—{NMPNS 30 ft (9-m) 2001-2005 Autumn JFD}

(Page 6 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 6.63

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.00	.00	.14
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01
.5- 1.0	1	0	0	2	11	6	8	7	3	4	2	2	0	1	0	0	0	47
(1)	.14	.00	.00	.28	1.54	.84	1.12	.98	.42	.56	.28	.28	.00	.14	.00	.00	.00	6.58
(2)	.01	.00	.00	.02	.10	.06	.07	.07	.03	.04	.02	.02	.00	.01	.00	.00	.00	.44
1.1- 1.5	0	0	6	2	18	31	22	18	6	5	2	1	3	0	0	1	0	115
(1)	.00	.00	.84	.28	2.52	4.34	3.08	2.52	.84	.70	.28	.14	.42	.00	.00	.14	.00	16.11
(2)	.00	.00	.06	.02	.17	.29	.20	.17	.06	.05	.02	.01	.03	.00	.00	.01	.00	1.07
1.6- 2.0	1	0	0	0	13	31	26	29	19	3	4	3	4	1	0	0	0	134
(1)	.14	.00	.00	.00	1.82	4.34	3.64	4.06	2.66	.42	.56	.42	.56	.14	.00	.00	.00	18.77
(2)	.01	.00	.00	.00	.12	.29	.24	.27	.18	.03	.04	.03	.04	.01	.00	.00	.00	1.24
2.1- 3.0	0	0	0	0	2	22	65	80	78	35	6	12	4	0	0	0	0	304
(1)	.00	.00	.00	.00	.28	3.08	9.10	11.20	10.92	4.90	.84	1.68	.56	.00	.00	.00	.00	42.58
(2)	.00	.00	.00	.00	.02	.20	.60	.74	.72	.33	.06	.11	.04	.00	.00	.00	.00	2.82
3.1- 4.0	0	0	0	0	0	0	7	34	49	8	1	2	1	0	0	0	0	102
(1)	.00	.00	.00	.00	.00	.00	.98	4.76	6.86	1.12	.14	.28	.14	.00	.00	.00	.00	14.29
(2)	.00	.00	.00	.00	.00	.00	.07	.32	.46	.07	.01	.02	.01	.00	.00	.00	.00	.95
4.1- 5.0	0	0	0	0	0	0	0	1	2	0	0	1	0	0	1	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.14	.28	.00	.00	.14	.00	.00	.14	.00	.00	.70
(2)	.00	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00	.01	.00	.00	.01	.00	.00	.05
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.14	.14	.00	.00	.00	.42
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01	.00	.00	.00	.03
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	.00	.00	.00	.00	.42
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	2	0	6	4	44	90	128	169	157	55	16	21	16	4	1	1	0	714
(1)	.28	.00	.84	.56	6.16	12.61	17.93	23.67	21.99	7.70	2.24	2.94	2.24	.56	.14	.14	.00	100.00
(2)	.02	.00	.06	.04	.41	.84	1.19	1.57	1.46	.51	.15	.20	.15	.04	.01	.01	.00	6.63

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Table 2.3-30—{NMPNS 30 ft (9-m) 2001-2005 Autumn JFD}

(Page 7 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 6.25

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	4	12	14	8	4	2	0	0	0	0	0	0	0	44
(1)	.00	.00	.00	.00	.59	1.78	2.08	1.19	.59	.30	.00	.00	.00	.00	.00	.00	.00	6.54
(2)	.00	.00	.00	.00	.04	.11	.13	.07	.04	.02	.00	.00	.00	.00	.00	.00	.00	.41
1.1- 1.5	0	0	0	0	7	20	80	39	9	1	0	1	1	0	0	0	0	158
(1)	.00	.00	.00	.00	1.04	2.97	11.89	5.79	1.34	.15	.00	.15	.15	.00	.00	.00	.00	23.48
(2)	.00	.00	.00	.00	.07	.19	.74	.36	.08	.01	.00	.01	.01	.00	.00	.00	.00	1.47
1.6- 2.0	0	0	0	0	1	28	52	47	27	0	1	1	1	0	0	0	0	158
(1)	.00	.00	.00	.00	.15	4.16	7.73	6.98	4.01	.00	.15	.15	.15	.00	.00	.00	.00	23.48
(2)	.00	.00	.00	.00	.01	.26	.48	.44	.25	.00	.01	.01	.01	.00	.00	.00	.00	1.47
2.1- 3.0	0	0	0	0	1	7	34	141	89	7	0	0	1	0	0	0	0	280
(1)	.00	.00	.00	.00	.15	1.04	5.05	20.95	13.22	1.04	.00	.00	.15	.00	.00	.00	.00	41.60
(2)	.00	.00	.00	.00	.01	.07	.32	1.31	.83	.07	.00	.00	.01	.00	.00	.00	.00	2.60
3.1- 4.0	0	0	0	0	0	0	0	7	17	4	0	0	1	0	0	0	0	29
(1)	.00	.00	.00	.00	.00	.00	.00	1.04	2.53	.59	.00	.00	.15	.00	.00	.00	.00	4.31
(2)	.00	.00	.00	.00	.00	.00	.00	.07	.16	.04	.00	.00	.01	.00	.00	.00	.00	.27
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.15	.00	.00	.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.02
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.00	.00	.00	.15
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.00	.00	.00	.15
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	0	13	67	180	242	146	14	1	2	4	3	1	0	0	673
(1)	.00	.00	.00	.00	1.93	9.96	26.75	35.96	21.69	2.08	.15	.30	.59	.45	.15	.00	.00	100.00
(2)	.00	.00	.00	.00	.12	.62	1.67	2.25	1.36	.13	.01	.02	.04	.03	.01	.00	.00	6.25

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Table 2.3-30—{NMPNS 30 ft (9-m) 2001-2005 Autumn JFD}

(Page 8 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01
.5- 1.0	7	3	13	22	37	38	34	20	12	12	9	7	3	9	0	2	0	228
(1)	.07	.03	.12	.20	.34	.35	.32	.19	.11	.11	.08	.07	.03	.08	.00	.02	.00	2.12
(2)	.07	.03	.12	.20	.34	.35	.32	.19	.11	.11	.08	.07	.03	.08	.00	.02	.00	2.12
1.1- 1.5	17	15	37	44	78	106	148	81	40	18	15	16	11	17	20	28	0	691
(1)	.16	.14	.34	.41	.72	.98	1.37	.75	.37	.17	.14	.15	.10	.16	.19	.26	.00	6.42
(2)	.16	.14	.34	.41	.72	.98	1.37	.75	.37	.17	.14	.15	.10	.16	.19	.26	.00	6.42
1.6- 2.0	35	39	58	45	97	143	157	147	87	29	40	26	26	27	35	46	0	1037
(1)	.33	.36	.54	.42	.90	1.33	1.46	1.37	.81	.27	.37	.24	.24	.25	.33	.43	.00	9.63
(2)	.33	.36	.54	.42	.90	1.33	1.46	1.37	.81	.27	.37	.24	.24	.25	.33	.43	.00	9.63
2.1- 3.0	140	104	149	95	70	284	416	468	440	184	82	151	66	60	96	81	0	2886
(1)	1.30	.97	1.38	.88	.65	2.64	3.86	4.35	4.09	1.71	.76	1.40	.61	.56	.89	.75	.00	26.81
(2)	1.30	.97	1.38	.88	.65	2.64	3.86	4.35	4.09	1.71	.76	1.40	.61	.56	.89	.75	.00	26.81
3.1- 4.0	76	107	117	12	17	177	326	318	471	173	99	120	94	71	110	67	0	2355
(1)	.71	.99	1.09	.11	.16	1.64	3.03	2.95	4.38	1.61	.92	1.11	.87	.66	1.02	.62	.00	21.88
(2)	.71	.99	1.09	.11	.16	1.64	3.03	2.95	4.38	1.61	.92	1.11	.87	.66	1.02	.62	.00	21.88
4.1- 5.0	66	91	59	0	4	31	186	135	199	84	63	76	83	64	78	44	0	1263
(1)	.61	.85	.55	.00	.04	.29	1.73	1.25	1.85	.78	.59	.71	.77	.59	.72	.41	.00	11.73
(2)	.61	.85	.55	.00	.04	.29	1.73	1.25	1.85	.78	.59	.71	.77	.59	.72	.41	.00	11.73
5.1- 6.0	32	31	22	0	0	5	81	78	59	23	44	54	76	59	77	27	0	668
(1)	.30	.29	.20	.00	.00	.05	.75	.72	.55	.21	.41	.50	.71	.55	.72	.25	.00	6.21
(2)	.30	.29	.20	.00	.00	.05	.75	.72	.55	.21	.41	.50	.71	.55	.72	.25	.00	6.21
6.1- 8.0	24	14	12	0	0	16	16	53	8	4	13	61	179	128	127	55	0	710
(1)	.22	.13	.11	.00	.00	.15	.15	.49	.07	.04	.12	.57	1.66	1.19	1.18	.51	.00	6.60
(2)	.22	.13	.11	.00	.00	.15	.15	.49	.07	.04	.12	.57	1.66	1.19	1.18	.51	.00	6.60
8.1-10.0	7	12	1	0	0	0	1	6	0	0	5	50	96	110	76	11	0	375
(1)	.07	.11	.01	.00	.00	.00	.01	.06	.00	.00	.05	.46	.89	1.02	.71	.10	.00	3.48
(2)	.07	.11	.01	.00	.00	.00	.01	.06	.00	.00	.05	.46	.89	1.02	.71	.10	.00	3.48
10.1-40.3	3	0	0	0	0	0	0	0	0	0	0	45	246	211	46	0	0	551
(1)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	2.29	1.96	.43	.00	.00	5.12
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	2.29	1.96	.43	.00	.00	5.12
ALL SPEEDS	407	416	468	218	303	800	1365	1306	1316	527	370	606	880	757	665	361	0	10765
(1)	3.78	3.86	4.35	2.03	2.81	7.43	12.68	12.13	12.22	4.90	3.44	5.63	8.17	7.03	6.18	3.35	.00	100.00
(2)	3.78	3.86	4.35	2.03	2.81	7.43	12.68	12.13	12.22	4.90	3.44	5.63	8.17	7.03	6.18	3.35	.00	100.00

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Table 2.3-31—{NMPNS 100 ft (30-m) 2001-2005 Winter JFD}

(Page 1 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 7.57

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	2	2	0	1	1	0	1	0	0	0	0	0	0	0	2	0	10
(1)	.12	.24	.24	.00	.12	.12	.00	.12	.00	.00	.00	.00	.00	.00	.00	.24	.00	1.22
(2)	.01	.02	.02	.00	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.02	.00	.09
2.1- 3.0	1	1	2	0	0	0	1	1	1	2	0	0	0	0	4	1	0	14
(1)	.12	.12	.24	.00	.00	.00	.12	.12	.12	.24	.00	.00	.00	.00	.49	.12	.00	1.71
(2)	.01	.01	.02	.00	.00	.00	.01	.01	.01	.02	.00	.00	.00	.00	.04	.01	.00	.13
3.1- 4.0	0	8	4	0	0	0	0	0	1	1	0	0	0	0	2	2	0	18
(1)	.00	.98	.49	.00	.00	.00	.00	.00	.12	.12	.00	.00	.00	.00	.24	.24	.00	2.20
(2)	.00	.07	.04	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.02	.02	.00	.17
4.1- 5.0	3	1	2	0	0	1	1	0	0	0	0	0	0	0	3	3	0	14
(1)	.37	.12	.24	.00	.00	.12	.12	.00	.00	.00	.00	.00	.00	.00	.37	.37	.00	1.71
(2)	.03	.01	.02	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.13
5.1- 6.0	13	4	0	0	0	0	0	0	0	0	0	0	0	1	4	2	0	24
(1)	1.59	.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.49	.24	.00	2.94
(2)	.12	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.04	.02	.00	.22
6.1- 8.0	18	5	0	0	0	0	0	2	1	0	0	0	0	7	16	16	0	65
(1)	2.20	.61	.00	.00	.00	.00	.00	.24	.12	.00	.00	.00	.00	.86	1.96	1.96	.00	7.96
(2)	.17	.05	.00	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00	.06	.15	.15	.00	.60
8.1-10.0	41	8	0	0	0	0	0	0	0	0	0	3	1	22	35	38	0	148
(1)	5.02	.98	.00	.00	.00	.00	.00	.00	.00	.00	.00	.37	.12	2.69	4.28	4.65	.00	18.12
(2)	.38	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.01	.20	.32	.35	.00	1.37
10.1-40.3	41	19	6	0	0	0	2	0	0	0	0	30	23	181	197	24	0	523
(1)	5.02	2.33	.73	.00	.00	.00	.24	.00	.00	.00	.00	3.67	2.82	22.15	24.11	2.94	.00	64.01
(2)	.38	.18	.06	.00	.00	.00	.02	.00	.00	.00	.00	.28	.21	1.68	1.83	.22	.00	4.85
ALL SPEEDS	118	48	16	1	1	2	4	4	3	3	0	33	24	211	261	88	0	817
(1)	14.44	5.88	1.96	.12	.12	.24	.49	.49	.37	.37	.00	4.04	2.94	25.83	31.95	10.77	.00	100.00
(2)	1.09	.44	.15	.01	.01	.02	.04	.04	.03	.03	.00	.31	.22	1.95	2.42	.82	.00	7.57

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Table 2.3-31—{NMPNS 100 ft (30-m) 2001-2005 Winter JFD}

(Page 2 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.94

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	0	1	2	0	0	0	0	1	0	0	0	0	0	0	1	0	6
(1)	.16	.00	.16	.31	.00	.00	.00	.00	.16	.00	.00	.00	.00	.00	.00	.16	.00	.94
(2)	.01	.00	.01	.02	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01	.00	.06
2.1- 3.0	2	3	2	2	3	0	1	0	0	0	0	0	0	2	6	1	0	22
(1)	.31	.47	.31	.31	.47	.00	.16	.00	.00	.00	.00	.00	.00	.31	.94	.16	.00	3.43
(2)	.02	.03	.02	.02	.03	.00	.01	.00	.00	.00	.00	.00	.00	.02	.06	.01	.00	.20
3.1- 4.0	3	4	1	1	0	3	3	3	0	0	0	0	0	0	2	4	0	24
(1)	.47	.62	.16	.16	.00	.47	.47	.47	.00	.00	.00	.00	.00	.00	.31	.62	.00	3.74
(2)	.03	.04	.01	.01	.00	.03	.03	.03	.00	.00	.00	.00	.00	.00	.02	.04	.00	.22
4.1- 5.0	2	2	3	0	0	0	3	1	0	0	0	0	0	5	4	2	0	22
(1)	.31	.31	.47	.00	.00	.00	.47	.16	.00	.00	.00	.00	.00	.78	.62	.31	.00	3.43
(2)	.02	.02	.03	.00	.00	.00	.03	.01	.00	.00	.00	.00	.00	.05	.04	.02	.00	.20
5.1- 6.0	9	6	2	0	0	1	2	0	1	0	0	0	0	6	14	4	0	45
(1)	1.40	.94	.31	.00	.00	.16	.31	.00	.16	.00	.00	.00	.00	.94	2.18	.62	.00	7.02
(2)	.08	.06	.02	.00	.00	.01	.02	.00	.01	.00	.00	.00	.00	.06	.13	.04	.00	.42
6.1- 8.0	34	25	2	0	0	0	0	0	0	0	0	4	4	20	45	21	0	155
(1)	5.30	3.90	.31	.00	.00	.00	.00	.00	.00	.00	.00	.62	.62	3.12	7.02	3.28	.00	24.18
(2)	.32	.23	.02	.00	.00	.00	.00	.00	.00	.00	.00	.04	.04	.19	.42	.19	.00	1.44
8.1-10.0	15	12	6	0	0	0	1	0	0	0	0	5	5	17	52	23	0	136
(1)	2.34	1.87	.94	.00	.00	.00	.16	.00	.00	.00	.00	.78	.78	2.65	8.11	3.59	.00	21.22
(2)	.14	.11	.06	.00	.00	.00	.01	.00	.00	.00	.00	.05	.05	.16	.48	.21	.00	1.26
10.1-40.3	10	13	4	0	0	0	0	0	0	0	0	22	17	67	81	17	0	231
(1)	1.56	2.03	.62	.00	.00	.00	.00	.00	.00	.00	.00	3.43	2.65	10.45	12.64	2.65	.00	36.04
(2)	.09	.12	.04	.00	.00	.00	.00	.00	.00	.00	.00	.20	.16	.62	.75	.16	.00	2.14
ALL SPEEDS	76	65	21	5	3	4	10	4	2	0	0	31	26	117	204	73	0	641
(1)	11.86	10.14	3.28	.78	.47	.62	1.56	.62	.31	.00	.00	4.84	4.06	18.25	31.83	11.39	.00	100.00
(2)	.70	.60	.19	.05	.03	.04	.09	.04	.02	.00	.00	.29	.24	1.08	1.89	.68	.00	5.94

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Table 2.3-31—{NMPNS 100 ft (30-m) 2001-2005 Winter JFD}

(Page 3 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.67

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	3
(1)	.00	.00	.00	.00	.12	.00	.00	.00	.00	.12	.00	.00	.00	.00	.00	.12	.00	.36
(2)	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01	.00	.03
1.6- 2.0	1	1	0	1	2	1	0	0	0	0	0	2	0	0	0	2	0	10
(1)	.12	.12	.00	.12	.24	.12	.00	.00	.00	.00	.00	.24	.00	.00	.00	.24	.00	1.21
(2)	.01	.01	.00	.01	.02	.01	.00	.00	.00	.00	.00	.02	.00	.00	.00	.02	.00	.09
2.1- 3.0	3	7	10	4	1	0	4	1	0	0	0	0	2	3	1	5	0	41
(1)	.36	.85	1.21	.48	.12	.00	.48	.12	.00	.00	.00	.00	.24	.36	.12	.60	.00	4.95
(2)	.03	.06	.09	.04	.01	.00	.04	.01	.00	.00	.00	.00	.02	.03	.01	.05	.00	.38
3.1- 4.0	3	6	12	1	0	3	5	0	1	0	0	1	1	5	3	2	0	43
(1)	.36	.72	1.45	.12	.00	.36	.60	.00	.12	.00	.00	.12	.12	.60	.36	.24	.00	5.19
(2)	.03	.06	.11	.01	.00	.03	.05	.00	.01	.00	.00	.01	.01	.05	.03	.02	.00	.40
4.1- 5.0	4	5	5	0	0	2	5	2	4	0	1	0	2	4	12	10	0	56
(1)	.48	.60	.60	.00	.00	.24	.60	.24	.48	.00	.12	.00	.24	.48	1.45	1.21	.00	6.76
(2)	.04	.05	.05	.00	.00	.02	.05	.02	.04	.00	.01	.00	.02	.04	.11	.09	.00	.52
5.1- 6.0	9	14	7	0	0	0	1	2	2	1	1	1	3	8	11	14	0	74
(1)	1.09	1.69	.85	.00	.00	.00	.12	.24	.24	.12	.12	.12	.36	.97	1.33	1.69	.00	8.94
(2)	.08	.13	.06	.00	.00	.00	.01	.02	.02	.01	.01	.01	.03	.07	.10	.13	.00	.69
6.1- 8.0	28	36	15	0	0	1	0	1	0	0	0	4	2	18	55	36	0	196
(1)	3.38	4.35	1.81	.00	.00	.12	.00	.12	.00	.00	.00	.48	.24	2.17	6.64	4.35	.00	23.67
(2)	.26	.33	.14	.00	.00	.01	.00	.01	.00	.00	.00	.04	.02	.17	.51	.33	.00	1.82
8.1-10.0	10	19	8	0	0	0	0	0	1	0	2	10	8	24	36	24	0	142
(1)	1.21	2.29	.97	.00	.00	.00	.00	.00	.12	.00	.24	1.21	.97	2.90	4.35	2.90	.00	17.15
(2)	.09	.18	.07	.00	.00	.00	.00	.00	.01	.00	.02	.09	.07	.22	.33	.22	.00	1.32
10.1-40.3	11	17	1	0	0	0	0	0	0	0	1	55	40	77	48	13	0	263
(1)	1.33	2.05	.12	.00	.00	.00	.00	.00	.00	.00	.12	6.64	4.83	9.30	5.80	1.57	.00	31.76
(2)	.10	.16	.01	.00	.00	.00	.00	.00	.00	.00	.01	.51	.37	.71	.44	.12	.00	2.44
ALL SPEEDS	69	105	58	6	4	7	15	6	8	2	5	73	58	139	166	107	0	828
(1)	8.33	12.68	7.00	.72	.48	.85	1.81	.72	.97	.24	.60	8.82	7.00	16.79	20.05	12.92	.00	100.00
(2)	.64	.97	.54	.06	.04	.06	.14	.06	.07	.02	.05	.68	.54	1.29	1.54	.99	.00	7.67

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Table 2.3-31—{NMPNS 100 ft (30-m) 2001-2005 Winter JFD}

(Page 4 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 54.40

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.02	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.02
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	2	0	5	1	0	0	1	2	2	3	0	0	0	2	1	0	19
(1)	.00	.03	.00	.09	.02	.00	.00	.02	.03	.03	.05	.00	.00	.00	.03	.02	.00	.32
(2)	.00	.02	.00	.05	.01	.00	.00	.01	.02	.02	.03	.00	.00	.00	.02	.01	.00	.18
1.1- 1.5	4	4	9	7	9	5	9	4	7	5	3	0	3	2	2	4	0	77
(1)	.07	.07	.15	.12	.15	.09	.15	.07	.12	.09	.05	.00	.05	.03	.03	.07	.00	1.31
(2)	.04	.04	.08	.06	.08	.05	.08	.04	.06	.05	.03	.00	.03	.02	.02	.04	.00	.71
1.6- 2.0	8	9	18	28	31	24	16	16	7	3	5	6	4	3	6	7	0	191
(1)	.14	.15	.31	.48	.53	.41	.27	.27	.12	.05	.09	.10	.07	.05	.10	.12	.00	3.25
(2)	.07	.08	.17	.26	.29	.22	.15	.15	.06	.03	.05	.06	.04	.03	.06	.06	.00	1.77
2.1- 3.0	16	40	72	58	61	65	95	61	53	28	11	9	14	11	14	25	0	633
(1)	.27	.68	1.23	.99	1.04	1.11	1.62	1.04	.90	.48	.19	.15	.24	.19	.24	.43	.00	10.78
(2)	.15	.37	.67	.54	.57	.60	.88	.57	.49	.26	.10	.08	.13	.10	.13	.23	.00	5.86
3.1- 4.0	14	39	74	20	52	112	105	108	106	104	31	12	16	20	28	23	0	864
(1)	.24	.66	1.26	.34	.89	1.91	1.79	1.84	1.81	1.77	.53	.20	.27	.34	.48	.39	.00	14.72
(2)	.13	.36	.69	.19	.48	1.04	.97	1.00	.98	.96	.29	.11	.15	.19	.26	.21	.00	8.01
4.1- 5.0	18	68	61	4	20	71	144	90	132	185	77	21	15	30	22	31	0	989
(1)	.31	1.16	1.04	.07	.34	1.21	2.45	1.53	2.25	3.15	1.31	.36	.26	.51	.37	.53	.00	16.85
(2)	.17	.63	.57	.04	.19	.66	1.33	.83	1.22	1.71	.71	.19	.14	.28	.20	.29	.00	9.16
5.1- 6.0	34	48	41	0	6	78	111	72	85	110	117	31	14	32	52	44	0	875
(1)	.58	.82	.70	.00	.10	1.33	1.89	1.23	1.45	1.87	1.99	.53	.24	.55	.89	.75	.00	14.90
(2)	.32	.44	.38	.00	.06	.72	1.03	.67	.79	1.02	1.08	.29	.13	.30	.48	.41	.00	8.11
6.1- 8.0	49	61	24	0	1	43	128	69	50	34	151	64	36	85	80	58	0	933
(1)	.83	1.04	.41	.00	.02	.73	2.18	1.18	.85	.58	2.57	1.09	.61	1.45	1.36	.99	.00	15.89
(2)	.45	.57	.22	.00	.01	.40	1.19	.64	.46	.32	1.40	.59	.33	.79	.74	.54	.00	8.64
8.1-10.0	20	22	1	0	0	14	30	16	6	2	45	87	55	75	66	27	0	466
(1)	.34	.37	.02	.00	.00	.24	.51	.27	.10	.03	.77	1.48	.94	1.28	1.12	.46	.00	7.94
(2)	.19	.20	.01	.00	.00	.13	.28	.15	.06	.02	.42	.81	.51	.69	.61	.25	.00	4.32
10.1-40.3	11	7	0	0	0	0	4	0	0	0	4	240	226	228	82	20	0	822
(1)	.19	.12	.00	.00	.00	.00	.07	.00	.00	.00	.07	4.09	3.85	3.88	1.40	.34	.00	14.00
(2)	.10	.06	.00	.00	.00	.00	.04	.00	.00	.00	.04	2.22	2.09	2.11	.76	.19	.00	7.62
ALL SPEEDS	174	300	300	122	181	412	642	437	448	473	447	471	383	487	354	240	0	5871
(1)	2.96	5.11	5.11	2.08	3.08	7.02	10.94	7.44	7.63	8.06	7.61	8.02	6.52	8.30	6.03	4.09	.00	100.00
(2)	1.61	2.78	2.78	1.13	1.68	3.82	5.95	4.05	4.15	4.38	4.14	4.36	3.55	4.51	3.28	2.22	.00	54.40

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Table 2.3-31—{NMPNS 100 ft (30-m) 2001-2005 Winter JFD}

(Page 5 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 20.49

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	1	2	3	1	2	0	0	0	1	2	2	0	0	1	0	0	16
(1)	.05	.05	.09	.14	.05	.09	.00	.00	.00	.05	.09	.09	.00	.00	.05	.00	.00	.72
(2)	.01	.01	.02	.03	.01	.02	.00	.00	.00	.01	.02	.02	.00	.00	.01	.00	.00	.15
1.1- 1.5	0	1	2	5	10	7	3	5	6	3	3	2	1	0	1	1	0	50
(1)	.00	.05	.09	.23	.45	.32	.14	.23	.27	.14	.14	.09	.05	.00	.05	.05	.00	2.26
(2)	.00	.01	.02	.05	.09	.06	.03	.05	.06	.03	.03	.02	.01	.00	.01	.01	.00	.46
1.6- 2.0	1	1	7	9	10	8	8	7	4	3	2	2	1	1	1	2	0	67
(1)	.05	.05	.32	.41	.45	.36	.36	.32	.18	.14	.09	.09	.05	.05	.05	.09	.00	3.03
(2)	.01	.01	.06	.08	.09	.07	.07	.06	.04	.03	.02	.02	.01	.01	.01	.02	.00	.62
2.1- 3.0	2	7	18	14	30	37	29	35	27	19	8	12	2	3	2	2	0	247
(1)	.09	.32	.81	.63	1.36	1.67	1.31	1.58	1.22	.86	.36	.54	.09	.14	.09	.09	.00	11.17
(2)	.02	.06	.17	.13	.28	.34	.27	.32	.25	.18	.07	.11	.02	.03	.02	.02	.00	2.29
3.1- 4.0	3	4	4	6	14	48	80	75	53	40	19	16	5	4	1	0	0	372
(1)	.14	.18	.18	.27	.63	2.17	3.62	3.39	2.40	1.81	.86	.72	.23	.18	.05	.00	.00	16.82
(2)	.03	.04	.04	.06	.13	.44	.74	.69	.49	.37	.18	.15	.05	.04	.01	.00	.00	3.45
4.1- 5.0	0	5	2	0	3	33	109	110	113	62	19	16	4	2	3	1	0	482
(1)	.00	.23	.09	.00	.14	1.49	4.93	4.97	5.11	2.80	.86	.72	.18	.09	.14	.05	.00	21.79
(2)	.00	.05	.02	.00	.03	.31	1.01	1.02	1.05	.57	.18	.15	.04	.02	.03	.01	.00	4.47
5.1- 6.0	0	0	0	0	0	16	118	104	66	29	27	25	6	3	3	0	0	397
(1)	.00	.00	.00	.00	.00	.72	5.33	4.70	2.98	1.31	1.22	1.13	.27	.14	.14	.00	.00	17.95
(2)	.00	.00	.00	.00	.00	.15	1.09	.96	.61	.27	.25	.23	.06	.03	.03	.00	.00	3.68
6.1- 8.0	1	0	0	0	0	4	65	59	34	7	37	52	15	8	4	2	0	288
(1)	.05	.00	.00	.00	.00	.18	2.94	2.67	1.54	.32	1.67	2.35	.68	.36	.18	.09	.00	13.02
(2)	.01	.00	.00	.00	.00	.04	.60	.55	.32	.06	.34	.48	.14	.07	.04	.02	.00	2.67
8.1-10.0	0	0	0	0	0	0	22	11	5	0	6	46	18	14	6	0	0	128
(1)	.00	.00	.00	.00	.00	.00	.99	.50	.23	.00	.27	2.08	.81	.63	.27	.00	.00	5.79
(2)	.00	.00	.00	.00	.00	.00	.20	.10	.05	.00	.06	.43	.17	.13	.06	.00	.00	1.19
10.1-40.3	0	0	0	0	0	0	2	1	0	0	5	51	68	35	3	0	0	165
(1)	.00	.00	.00	.00	.00	.00	.09	.05	.00	.00	.23	2.31	3.07	1.58	.14	.00	.00	7.46
(2)	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00	.05	.47	.63	.32	.03	.00	.00	1.53
ALL SPEEDS	8	19	35	37	68	155	436	407	308	164	128	224	120	70	25	8	0	2212
(1)	.36	.86	1.58	1.67	3.07	7.01	19.71	18.40	13.92	7.41	5.79	10.13	5.42	3.16	1.13	.36	.00	100.00
(2)	.07	.18	.32	.34	.63	1.44	4.04	3.77	2.85	1.52	1.19	2.08	1.11	.65	.23	.07	.00	20.49

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Table 2.3-31—{NMPNS 100 ft (30-m) 2001-2005 Winter JFD}

(Page 6 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 2.48

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.75	.00	.00	.00	.00	.00	.00	.00	.00	.00	.75
(2)	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
1.1- 1.5	0	0	1	1	1	1	0	1	0	1	0	1	0	0	0	0	0	7
(1)	.00	.00	.37	.37	.37	.37	.00	.37	.00	.37	.00	.37	.00	.00	.00	.00	.00	2.61
(2)	.00	.00	.01	.01	.01	.01	.00	.01	.00	.01	.00	.01	.00	.00	.00	.00	.00	.06
1.6- 2.0	0	0	2	0	0	2	0	1	3	2	1	0	0	0	0	0	0	11
(1)	.00	.00	.75	.00	.00	.75	.00	.37	1.12	.75	.37	.00	.00	.00	.00	.00	.00	4.10
(2)	.00	.00	.02	.00	.00	.02	.00	.01	.03	.02	.01	.00	.00	.00	.00	.00	.00	.10
2.1- 3.0	0	0	1	2	4	9	8	11	7	1	3	1	1	0	0	0	0	48
(1)	.00	.00	.37	.75	1.49	3.36	2.99	4.10	2.61	.37	1.12	.37	.37	.00	.00	.00	.00	17.91
(2)	.00	.00	.01	.02	.04	.08	.07	.10	.06	.01	.03	.01	.01	.00	.00	.00	.00	.44
3.1- 4.0	0	0	0	0	1	17	23	26	10	6	3	3	2	0	0	0	0	91
(1)	.00	.00	.00	.00	.37	6.34	8.58	9.70	3.73	2.24	1.12	1.12	.75	.00	.00	.00	.00	33.96
(2)	.00	.00	.00	.00	.01	.16	.21	.24	.09	.06	.03	.03	.02	.00	.00	.00	.00	.84
4.1- 5.0	1	0	0	0	0	1	17	18	7	9	4	2	1	0	0	0	0	60
(1)	.37	.00	.00	.00	.00	.37	6.34	6.72	2.61	3.36	1.49	.75	.37	.00	.00	.00	.00	22.39
(2)	.01	.00	.00	.00	.00	.01	.16	.17	.06	.08	.04	.02	.01	.00	.00	.00	.00	.56
5.1- 6.0	1	0	0	0	0	2	3	10	2	2	2	4	0	0	0	0	0	26
(1)	.37	.00	.00	.00	.00	.75	1.12	3.73	.75	.75	.75	1.49	.00	.00	.00	.00	.00	9.70
(2)	.01	.00	.00	.00	.00	.02	.03	.09	.02	.02	.02	.04	.00	.00	.00	.00	.00	.24
6.1- 8.0	0	0	0	0	0	0	1	1	0	0	0	10	2	0	0	0	0	14
(1)	.00	.00	.00	.00	.00	.00	.37	.37	.00	.00	.00	3.73	.75	.00	.00	.00	.00	5.22
(2)	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.09	.02	.00	.00	.00	.00	.13
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.87	.00	.00	.00	.00	.00	1.87
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.05
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.75	.75	.00	.00	.00	.00	1.49
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00	.04
ALL SPEEDS	2	0	4	3	6	32	52	70	29	21	13	28	8	0	0	0	0	268
(1)	.75	.00	1.49	1.12	2.24	11.94	19.40	26.12	10.82	7.84	4.85	10.45	2.99	.00	.00	.00	.00	100.00
(2)	.02	.00	.04	.03	.06	.30	.48	.65	.27	.19	.12	.26	.07	.00	.00	.00	.00	2.48

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Table 2.3-31—{NMPNS 100 ft (30-m) 2001-2005 Winter JFD}

(Page 7 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.45

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	1	2	0	1	3	3	0	0	0	1	0	0	2	0	0	14
(1)	.00	.64	.64	1.28	.00	.64	1.92	1.92	.00	.00	.00	.64	.00	.00	1.28	.00	.00	8.97
(2)	.00	.01	.01	.02	.00	.01	.03	.03	.00	.00	.00	.01	.00	.00	.02	.00	.00	.13
1.1- 1.5	0	0	2	2	1	2	0	1	1	0	0	0	0	0	0	0	0	9
(1)	.00	.00	1.28	1.28	.64	1.28	.00	.64	.64	.00	.00	.00	.00	.00	.00	.00	.00	5.77
(2)	.00	.00	.02	.02	.01	.02	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.08
1.6- 2.0	0	0	0	0	1	2	2	6	2	0	1	0	0	0	0	0	0	14
(1)	.00	.00	.00	.00	.64	1.28	1.28	3.85	1.28	.00	.64	.00	.00	.00	.00	.00	.00	8.97
(2)	.00	.00	.00	.00	.01	.02	.02	.06	.02	.00	.01	.00	.00	.00	.00	.00	.00	.13
2.1- 3.0	1	1	0	1	2	3	4	14	4	4	1	0	0	0	0	0	0	35
(1)	.64	.64	.00	.64	1.28	1.92	2.56	8.97	2.56	2.56	.64	.00	.00	.00	.00	.00	.00	22.44
(2)	.01	.01	.00	.01	.02	.03	.04	.13	.04	.04	.01	.00	.00	.00	.00	.00	.00	.32
3.1- 4.0	0	0	0	0	0	7	9	9	4	5	2	0	0	0	0	0	0	36
(1)	.00	.00	.00	.00	.00	4.49	5.77	5.77	2.56	3.21	1.28	.00	.00	.00	.00	.00	.00	23.08
(2)	.00	.00	.00	.00	.00	.06	.08	.08	.04	.05	.02	.00	.00	.00	.00	.00	.00	.33
4.1- 5.0	0	0	0	0	0	1	13	20	4	1	0	0	0	0	0	0	0	39
(1)	.00	.00	.00	.00	.00	.64	8.33	12.82	2.56	.64	.00	.00	.00	.00	.00	.00	.00	25.00
(2)	.00	.00	.00	.00	.00	.01	.12	.19	.04	.01	.00	.00	.00	.00	.00	.00	.00	.36
5.1- 6.0	0	0	0	0	0	0	0	4	2	1	0	0	0	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	2.56	1.28	.64	.00	.00	.00	.00	.00	.00	.00	4.49
(2)	.00	.00	.00	.00	.00	.00	.00	.04	.02	.01	.00	.00	.00	.00	.00	.00	.00	.06
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.64	.00	.00	.00	.00	.00	.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.64	.00	.00	.00	.00	.00	.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1	2	3	5	4	16	31	57	17	11	4	3	0	0	2	0	0	156
(1)	.64	1.28	1.92	3.21	2.56	10.26	19.87	36.54	10.90	7.05	2.56	1.92	.00	.00	1.28	.00	.00	100.00
(2)	.01	.02	.03	.05	.04	.15	.29	.53	.16	.10	.04	.03	.00	.00	.02	.00	.00	1.45

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Table 2.3-31—{NMPNS 100 ft (30-m) 2001-2005 Winter JFD}

(Page 8 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.02
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.02
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	4	3	11	2	3	3	6	2	3	5	3	0	0	5	1	0	52
(1)	.01	.04	.03	.10	.02	.03	.03	.06	.02	.03	.05	.03	.00	.00	.05	.01	.00	.48
(2)	.01	.04	.03	.10	.02	.03	.03	.06	.02	.03	.05	.03	.00	.00	.05	.01	.00	.48
1.1- 1.5	4	5	14	15	22	15	12	11	14	10	6	3	4	2	3	6	0	146
(1)	.04	.05	.13	.14	.20	.14	.11	.10	.13	.09	.06	.03	.04	.02	.03	.06	.00	1.35
(2)	.04	.05	.13	.14	.20	.14	.11	.10	.13	.09	.06	.03	.04	.02	.03	.06	.00	1.35
1.6- 2.0	12	13	30	40	45	38	26	31	17	8	9	10	5	4	7	14	0	309
(1)	.11	.12	.28	.37	.42	.35	.24	.29	.16	.07	.08	.09	.05	.04	.06	.13	.00	2.86
(2)	.11	.12	.28	.37	.42	.35	.24	.29	.16	.07	.08	.09	.05	.04	.06	.13	.00	2.86
2.1- 3.0	25	59	105	81	101	114	142	123	92	54	23	22	19	19	27	34	0	1040
(1)	.23	.55	.97	.75	.94	1.06	1.32	1.14	.85	.50	.21	.20	.18	.18	.25	.32	.00	9.64
(2)	.23	.55	.97	.75	.94	1.06	1.32	1.14	.85	.50	.21	.20	.18	.18	.25	.32	.00	9.64
3.1- 4.0	23	61	95	28	67	190	225	221	175	156	55	32	24	29	36	31	0	1448
(1)	.21	.57	.88	.26	.62	1.76	2.08	2.05	1.62	1.45	.51	.30	.22	.27	.33	.29	.00	13.42
(2)	.21	.57	.88	.26	.62	1.76	2.08	2.05	1.62	1.45	.51	.30	.22	.27	.33	.29	.00	13.42
4.1- 5.0	28	81	73	4	23	109	292	241	260	257	101	39	22	41	44	47	0	1662
(1)	.26	.75	.68	.04	.21	1.01	2.71	2.23	2.41	2.38	.94	.36	.20	.38	.41	.44	.00	15.40
(2)	.26	.75	.68	.04	.21	1.01	2.71	2.23	2.41	2.38	.94	.36	.20	.38	.41	.44	.00	15.40
5.1- 6.0	66	72	50	0	6	97	235	192	158	143	147	61	23	50	84	64	0	1448
(1)	.61	.67	.46	.00	.06	.90	2.18	1.78	1.46	1.32	1.36	.57	.21	.46	.78	.59	.00	13.42
(2)	.61	.67	.46	.00	.06	.90	2.18	1.78	1.46	1.32	1.36	.57	.21	.46	.78	.59	.00	13.42
6.1- 8.0	130	127	41	0	1	48	194	132	85	41	188	135	59	138	200	133	0	1652
(1)	1.20	1.18	.38	.00	.01	.44	1.80	1.22	.79	.38	1.74	1.25	.55	1.28	1.85	1.23	.00	15.31
(2)	1.20	1.18	.38	.00	.01	.44	1.80	1.22	.79	.38	1.74	1.25	.55	1.28	1.85	1.23	.00	15.31
8.1-10.0	86	61	15	0	0	14	53	27	12	2	53	157	87	152	195	112	0	1026
(1)	.80	.57	.14	.00	.00	.13	.49	.25	.11	.02	.49	1.45	.81	1.41	1.81	1.04	.00	9.51
(2)	.80	.57	.14	.00	.00	.13	.49	.25	.11	.02	.49	1.45	.81	1.41	1.81	1.04	.00	9.51
10.1-40.3	73	56	11	0	0	0	8	1	0	0	10	400	376	588	411	74	0	2008
(1)	.68	.52	.10	.00	.00	.00	.07	.01	.00	.00	.09	3.71	3.48	5.45	3.81	.69	.00	18.60
(2)	.68	.52	.10	.00	.00	.00	.07	.01	.00	.00	.09	3.71	3.48	5.45	3.81	.69	.00	18.60
ALL SPEEDS	448	539	437	179	267	628	1190	985	815	674	597	863	619	1024	1012	516	0	10793
(1)	4.15	4.99	4.05	1.66	2.47	5.82	11.03	9.13	7.55	6.24	5.53	8.00	5.74	9.49	9.38	4.78	.00	100.00
(2)	4.15	4.99	4.05	1.66	2.47	5.82	11.03	9.13	7.55	6.24	5.53	8.00	5.74	9.49	9.38	4.78	.00	100.00

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Table 2.3-32—{NMPNS 100 ft (30-m) 2001-2005 Spring JFD}

(Page 1 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 5.47

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.00	.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01
2.1- 3.0	1	5	5	0	0	0	0	0	0	0	0	0	0	1	7	6	0	25
(1)	.18	.88	.88	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	1.23	1.06	.00	4.41
(2)	.01	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.07	.06	.00	.24
3.1- 4.0	11	13	0	0	3	1	3	0	0	0	0	0	0	3	13	11	0	58
(1)	1.94	2.29	.00	.00	.53	.18	.53	.00	.00	.00	.00	.00	.00	.53	2.29	1.94	.00	10.23
(2)	.11	.13	.00	.00	.03	.01	.03	.00	.00	.00	.00	.00	.00	.03	.13	.11	.00	.56
4.1- 5.0	13	13	0	0	0	3	5	1	0	0	0	8	1	2	3	6	0	55
(1)	2.29	2.29	.00	.00	.00	.53	.88	.18	.00	.00	.00	1.41	.18	.35	.53	1.06	.00	9.70
(2)	.13	.13	.00	.00	.00	.03	.05	.01	.00	.00	.00	.08	.01	.02	.03	.06	.00	.53
5.1- 6.0	12	12	0	0	0	1	5	5	0	0	0	15	0	2	6	11	0	69
(1)	2.12	2.12	.00	.00	.00	.18	.88	.88	.00	.00	.00	2.65	.00	.35	1.06	1.94	.00	12.17
(2)	.12	.12	.00	.00	.00	.01	.05	.05	.00	.00	.00	.14	.00	.02	.06	.11	.00	.67
6.1- 8.0	18	14	1	0	0	4	7	5	0	0	0	25	2	2	5	13	0	96
(1)	3.17	2.47	.18	.00	.00	.71	1.23	.88	.00	.00	.00	4.41	.35	.35	.88	2.29	.00	16.93
(2)	.17	.14	.01	.00	.00	.04	.07	.05	.00	.00	.00	.24	.02	.02	.05	.13	.00	.93
8.1-10.0	12	8	0	0	0	1	3	2	0	0	0	9	13	6	10	18	0	82
(1)	2.12	1.41	.00	.00	.00	.18	.53	.35	.00	.00	.00	1.59	2.29	1.06	1.76	3.17	.00	14.46
(2)	.12	.08	.00	.00	.00	.01	.03	.02	.00	.00	.00	.09	.13	.06	.10	.17	.00	.79
10.1-40.3	5	4	0	0	0	0	0	0	0	0	0	25	35	42	40	30	0	181
(1)	.88	.71	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.41	6.17	7.41	7.05	5.29	.00	31.92
(2)	.05	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.34	.41	.39	.29	.00	1.75
ALL SPEEDS	72	69	6	0	3	10	23	13	0	0	0	82	51	58	84	96	0	567
(1)	12.70	12.17	1.06	.00	.53	1.76	4.06	2.29	.00	.00	.00	14.46	8.99	10.23	14.81	16.93	.00	100.00
(2)	.69	.67	.06	.00	.03	.10	.22	.13	.00	.00	.00	.79	.49	.56	.81	.93	.00	5.47

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Table 2.3-32—{NMPNS 100 ft (30-m) 2001-2005 Spring JFD}

(Page 2 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.56

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.00	.00	.00	.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01
1.6- 2.0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3
(1)	.21	.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.00	.00	.00	.00	.63
(2)	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.03
2.1- 3.0	1	8	6	1	0	1	1	0	0	0	0	1	2	3	0	1	0	25
(1)	.21	1.69	1.27	.21	.00	.21	.21	.00	.00	.00	.00	.21	.42	.63	.00	.21	.00	5.29
(2)	.01	.08	.06	.01	.00	.01	.01	.00	.00	.00	.00	.01	.02	.03	.00	.01	.00	.24
3.1- 4.0	5	5	1	0	2	2	7	5	2	0	0	4	2	0	3	3	0	41
(1)	1.06	1.06	.21	.00	.42	.42	1.48	1.06	.42	.00	.00	.85	.42	.00	.63	.63	.00	8.67
(2)	.05	.05	.01	.00	.02	.02	.07	.05	.02	.00	.00	.04	.02	.00	.03	.03	.00	.40
4.1- 5.0	4	3	1	0	0	2	4	4	2	0	0	9	1	1	3	2	0	36
(1)	.85	.63	.21	.00	.00	.42	.85	.85	.42	.00	.00	1.90	.21	.21	.63	.42	.00	7.61
(2)	.04	.03	.01	.00	.00	.02	.04	.04	.02	.00	.00	.09	.01	.01	.03	.02	.00	.35
5.1- 6.0	5	5	3	0	0	2	2	4	1	0	0	21	1	2	0	8	0	54
(1)	1.06	1.06	.63	.00	.00	.42	.42	.85	.21	.00	.00	4.44	.21	.42	.00	1.69	.00	11.42
(2)	.05	.05	.03	.00	.00	.02	.02	.04	.01	.00	.00	.20	.01	.02	.00	.08	.00	.52
6.1- 8.0	11	8	0	0	0	2	8	7	5	0	1	24	14	4	8	14	0	106
(1)	2.33	1.69	.00	.00	.00	.42	1.69	1.48	1.06	.00	.21	5.07	2.96	.85	1.69	2.96	.00	22.41
(2)	.11	.08	.00	.00	.00	.02	.08	.07	.05	.00	.01	.23	.14	.04	.08	.14	.00	1.02
8.1-10.0	14	0	0	0	0	1	4	2	0	0	0	13	24	10	9	8	0	85
(1)	2.96	.00	.00	.00	.00	.21	.85	.42	.00	.00	.00	2.75	5.07	2.11	1.90	1.69	.00	17.97
(2)	.14	.00	.00	.00	.00	.01	.04	.02	.00	.00	.00	.13	.23	.10	.09	.08	.00	.82
10.1-40.3	8	1	0	0	0	0	2	0	0	0	0	19	29	36	19	8	0	122
(1)	1.69	.21	.00	.00	.00	.00	.42	.00	.00	.00	.00	4.02	6.13	7.61	4.02	1.69	.00	25.79
(2)	.08	.01	.00	.00	.00	.00	.02	.00	.00	.00	.00	.18	.28	.35	.18	.08	.00	1.18
ALL SPEEDS	49	31	11	1	2	10	28	22	10	0	1	91	74	57	42	44	0	473
(1)	10.36	6.55	2.33	.21	.42	2.11	5.92	4.65	2.11	.00	.21	19.24	15.64	12.05	8.88	9.30	.00	100.00
(2)	.47	.30	.11	.01	.02	.10	.27	.21	.10	.00	.01	.88	.71	.55	.41	.42	.00	4.56

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Table 2.3-32—{NMPNS 100 ft (30-m) 2001-2005 Spring JFD}

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NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 6.36

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.00	.15
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01
1.6- 2.0	1	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	4
(1)	.15	.00	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.15	.00	.00	.00	.61
(2)	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.04
2.1- 3.0	6	6	12	2	3	4	4	0	1	0	1	2	1	2	0	3	0	47
(1)	.91	.91	1.82	.30	.46	.61	.61	.00	.15	.00	.15	.30	.15	.30	.00	.46	.00	7.13
(2)	.06	.06	.12	.02	.03	.04	.04	.00	.01	.00	.01	.02	.01	.02	.00	.03	.00	.45
3.1- 4.0	6	7	7	0	0	4	2	3	4	2	0	11	8	5	3	0	0	62
(1)	.91	1.06	1.06	.00	.00	.61	.30	.46	.61	.30	.00	1.67	1.21	.76	.46	.00	.00	9.41
(2)	.06	.07	.07	.00	.00	.04	.02	.03	.04	.02	.00	.11	.08	.05	.03	.00	.00	.60
4.1- 5.0	4	11	6	0	1	6	7	12	2	0	2	22	2	5	5	1	0	86
(1)	.61	1.67	.91	.00	.15	.91	1.06	1.82	.30	.00	.30	3.34	.30	.76	.76	.15	.00	13.05
(2)	.04	.11	.06	.00	.01	.06	.07	.12	.02	.00	.02	.21	.02	.05	.05	.01	.00	.83
5.1- 6.0	9	5	3	0	0	4	9	13	2	0	0	25	19	12	6	4	0	111
(1)	1.37	.76	.46	.00	.00	.61	1.37	1.97	.30	.00	.00	3.79	2.88	1.82	.91	.61	.00	16.84
(2)	.09	.05	.03	.00	.00	.04	.09	.13	.02	.00	.00	.24	.18	.12	.06	.04	.00	1.07
6.1- 8.0	10	6	0	0	0	1	6	9	9	0	1	37	32	21	15	7	0	154
(1)	1.52	.91	.00	.00	.00	.15	.91	1.37	1.37	.00	.15	5.61	4.86	3.19	2.28	1.06	.00	23.37
(2)	.10	.06	.00	.00	.00	.01	.06	.09	.09	.00	.01	.36	.31	.20	.14	.07	.00	1.49
8.1-10.0	6	3	0	0	0	0	4	2	0	0	2	21	28	11	6	9	0	92
(1)	.91	.46	.00	.00	.00	.00	.61	.30	.00	.00	.30	3.19	4.25	1.67	.91	1.37	.00	13.96
(2)	.06	.03	.00	.00	.00	.00	.04	.02	.00	.00	.02	.20	.27	.11	.06	.09	.00	.89
10.1-40.3	6	2	0	0	0	0	0	2	0	0	0	27	35	11	5	14	0	102
(1)	.91	.30	.00	.00	.00	.00	.00	.30	.00	.00	.00	4.10	5.31	1.67	.76	2.12	.00	15.48
(2)	.06	.02	.00	.00	.00	.00	.00	.02	.00	.00	.00	.26	.34	.11	.05	.14	.00	.98
ALL SPEEDS	48	40	29	2	4	19	32	41	18	2	6	145	126	68	40	39	0	659
(1)	7.28	6.07	4.40	.30	.61	2.88	4.86	6.22	2.73	.30	.91	22.00	19.12	10.32	6.07	5.92	.00	100.00
(2)	.46	.39	.28	.02	.04	.18	.31	.40	.17	.02	.06	1.40	1.22	.66	.39	.38	.00	6.36

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Table 2.3-32—{NMPNS 100 ft (30-m) 2001-2005 Spring JFD}

(Page 4 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 38.33

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	4	4	10	3	0	1	2	3	1	1	2	3	6	4	1	0	48
(1)	.08	.10	.10	.25	.08	.00	.03	.05	.08	.03	.03	.05	.08	.15	.10	.03	.00	1.21
(2)	.03	.04	.04	.10	.03	.00	.01	.02	.03	.01	.01	.02	.03	.06	.04	.01	.00	.46
1.1- 1.5	8	5	9	15	7	5	5	6	3	3	3	4	3	4	5	3	0	88
(1)	.20	.13	.23	.38	.18	.13	.13	.15	.08	.08	.08	.10	.08	.10	.13	.08	.00	2.21
(2)	.08	.05	.09	.14	.07	.05	.05	.06	.03	.03	.03	.04	.03	.04	.05	.03	.00	.85
1.6- 2.0	6	7	26	24	15	5	10	7	5	3	2	11	9	4	6	7	0	147
(1)	.15	.18	.65	.60	.38	.13	.25	.18	.13	.08	.05	.28	.23	.10	.15	.18	.00	3.70
(2)	.06	.07	.25	.23	.14	.05	.10	.07	.05	.03	.02	.11	.09	.04	.06	.07	.00	1.42
2.1- 3.0	20	44	76	32	23	12	31	20	15	18	19	32	39	16	19	18	0	434
(1)	.50	1.11	1.91	.81	.58	.30	.78	.50	.38	.45	.48	.81	.98	.40	.48	.45	.00	10.92
(2)	.19	.42	.73	.31	.22	.12	.30	.19	.14	.17	.18	.31	.38	.15	.18	.17	.00	4.19
3.1- 4.0	16	28	48	24	28	31	66	35	24	24	17	83	57	22	18	9	0	530
(1)	.40	.70	1.21	.60	.70	.78	1.66	.88	.60	.60	.43	2.09	1.43	.55	.45	.23	.00	13.34
(2)	.15	.27	.46	.23	.27	.30	.64	.34	.23	.23	.16	.80	.55	.21	.17	.09	.00	5.11
4.1- 5.0	13	38	27	4	14	62	85	63	50	28	18	118	44	21	11	15	0	611
(1)	.33	.96	.68	.10	.35	1.56	2.14	1.59	1.26	.70	.45	2.97	1.11	.53	.28	.38	.00	15.37
(2)	.13	.37	.26	.04	.14	.60	.82	.61	.48	.27	.17	1.14	.42	.20	.11	.14	.00	5.89
5.1- 6.0	19	39	41	0	4	59	97	62	61	21	26	113	42	28	16	19	0	647
(1)	.48	.98	1.03	.00	.10	1.48	2.44	1.56	1.53	.53	.65	2.84	1.06	.70	.40	.48	.00	16.28
(2)	.18	.38	.40	.00	.04	.57	.94	.60	.59	.20	.25	1.09	.41	.27	.15	.18	.00	6.24
6.1- 8.0	28	69	31	0	1	60	106	78	45	8	23	134	97	54	30	26	0	790
(1)	.70	1.74	.78	.00	.03	1.51	2.67	1.96	1.13	.20	.58	3.37	2.44	1.36	.75	.65	.00	19.88
(2)	.27	.67	.30	.00	.01	.58	1.02	.75	.43	.08	.22	1.29	.94	.52	.29	.25	.00	7.62
8.1-10.0	29	32	4	0	0	4	35	33	7	0	9	97	86	38	30	24	0	428
(1)	.73	.81	.10	.00	.00	.10	.88	.83	.18	.00	.23	2.44	2.16	.96	.75	.60	.00	10.77
(2)	.28	.31	.04	.00	.00	.04	.34	.32	.07	.00	.09	.94	.83	.37	.29	.23	.00	4.13
10.1-40.3	21	9	0	0	0	0	7	2	1	0	1	52	92	43	15	8	0	251
(1)	.53	.23	.00	.00	.00	.00	.18	.05	.03	.00	.03	1.31	2.32	1.08	.38	.20	.00	6.32
(2)	.20	.09	.00	.00	.00	.00	.07	.02	.01	.00	.01	.50	.89	.41	.14	.08	.00	2.42
ALL SPEEDS	163	275	266	109	95	238	443	308	214	106	119	646	472	236	154	130	0	3974
(1)	4.10	6.92	6.69	2.74	2.39	5.99	11.15	7.75	5.39	2.67	2.99	16.26	11.88	5.94	3.88	3.27	.00	100.00
(2)	1.57	2.65	2.57	1.05	.92	2.30	4.27	2.97	2.06	1.02	1.15	6.23	4.55	2.28	1.49	1.25	.00	38.33

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Table 2.3-32—{NMPNS 100 ft (30-m) 2001-2005 Spring JFD}

(Page 5 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 27.67

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01
.3- .4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.5- 1.0	4	11	5	7	4	2	0	1	0	3	4	4	4	5	3	2	0	59
(1)	.14	.38	.17	.24	.14	.07	.00	.03	.00	.10	.14	.14	.14	.17	.10	.07	.00	2.06
(2)	.04	.11	.05	.07	.04	.02	.00	.01	.00	.03	.04	.04	.04	.05	.03	.02	.00	.57
1.1- 1.5	9	10	13	23	12	4	7	5	6	2	7	11	9	8	9	9	0	144
(1)	.31	.35	.45	.80	.42	.14	.24	.17	.21	.07	.24	.38	.31	.28	.31	.31	.00	5.02
(2)	.09	.10	.13	.22	.12	.04	.07	.05	.06	.02	.07	.11	.09	.08	.09	.09	.00	1.39
1.6- 2.0	8	14	29	39	19	7	5	6	6	8	17	10	17	9	11	7	0	212
(1)	.28	.49	1.01	1.36	.66	.24	.17	.21	.21	.28	.59	.35	.59	.31	.38	.24	.00	7.39
(2)	.08	.14	.28	.38	.18	.07	.05	.06	.06	.08	.16	.10	.16	.09	.11	.07	.00	2.04
2.1- 3.0	30	26	51	53	36	23	25	29	14	14	38	61	37	14	9	9	0	469
(1)	1.05	.91	1.78	1.85	1.25	.80	.87	1.01	.49	.49	1.32	2.13	1.29	.49	.31	.31	.00	16.35
(2)	.29	.25	.49	.51	.35	.22	.24	.28	.14	.14	.37	.59	.36	.14	.09	.09	.00	4.52
3.1- 4.0	19	31	23	15	11	46	52	38	35	28	47	79	26	19	5	8	0	482
(1)	.66	1.08	.80	.52	.38	1.60	1.81	1.32	1.22	.98	1.64	2.75	.91	.66	.17	.28	.00	16.80
(2)	.18	.30	.22	.14	.11	.44	.50	.37	.34	.27	.45	.76	.25	.18	.05	.08	.00	4.65
4.1- 5.0	10	20	5	1	4	31	83	66	54	22	23	86	28	9	3	10	0	455
(1)	.35	.70	.17	.03	.14	1.08	2.89	2.30	1.88	.77	.80	3.00	.98	.31	.10	.35	.00	15.86
(2)	.10	.19	.05	.01	.04	.30	.80	.64	.52	.21	.22	.83	.27	.09	.03	.10	.00	4.39
5.1- 6.0	11	20	6	0	2	32	97	92	53	13	24	69	12	10	10	13	0	464
(1)	.38	.70	.21	.00	.07	1.12	3.38	3.21	1.85	.45	.84	2.41	.42	.35	.35	.45	.00	16.17
(2)	.11	.19	.06	.00	.02	.31	.94	.89	.51	.13	.23	.67	.12	.10	.10	.13	.00	4.48
6.1- 8.0	29	29	3	0	0	14	40	65	36	9	33	86	31	14	9	7	0	405
(1)	1.01	1.01	.10	.00	.00	.49	1.39	2.27	1.25	.31	1.15	3.00	1.08	.49	.31	.24	.00	14.12
(2)	.28	.28	.03	.00	.00	.14	.39	.63	.35	.09	.32	.83	.30	.14	.09	.07	.00	3.91
8.1-10.0	16	9	0	0	0	1	2	9	0	0	15	40	16	6	0	3	0	117
(1)	.56	.31	.00	.00	.00	.03	.07	.31	.00	.00	.52	1.39	.56	.21	.00	.10	.00	4.08
(2)	.15	.09	.00	.00	.00	.01	.02	.09	.00	.00	.14	.39	.15	.06	.00	.03	.00	1.13
10.1-40.3	2	1	0	0	0	0	1	0	0	1	4	26	21	3	0	1	0	60
(1)	.07	.03	.00	.00	.00	.00	.03	.00	.00	.03	.14	.91	.73	.10	.00	.03	.00	2.09
(2)	.02	.01	.00	.00	.00	.00	.01	.00	.00	.01	.04	.25	.20	.03	.00	.01	.00	.58
ALL SPEEDS	138	172	135	138	88	160	312	311	204	100	212	472	201	97	60	69	0	2869
(1)	4.81	6.00	4.71	4.81	3.07	5.58	10.87	10.84	7.11	3.49	7.39	16.45	7.01	3.38	2.09	2.41	.00	100.00
(2)	1.33	1.66	1.30	1.33	.85	1.54	3.01	3.00	1.97	.96	2.04	4.55	1.94	.94	.58	.67	.00	27.67

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Table 2.3-32—{NMPNS 100 ft (30-m) 2001-2005 Spring JFD}

(Page 6 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 9.84

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	4
(1)	.10	.10	.00	.10	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.39
(2)	.01	.01	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
.5- 1.0	3	5	5	4	3	0	2	1	2	2	2	3	2	0	1	4	0	39
(1)	.29	.49	.49	.39	.29	.00	.20	.10	.20	.20	.20	.29	.20	.00	.10	.39	.00	3.82
(2)	.03	.05	.05	.04	.03	.00	.02	.01	.02	.02	.02	.03	.02	.00	.01	.04	.00	.38
1.1- 1.5	3	2	11	6	6	4	4	1	3	5	7	5	5	3	2	3	0	70
(1)	.29	.20	1.08	.59	.59	.39	.39	.10	.29	.49	.69	.49	.49	.29	.20	.29	.00	6.86
(2)	.03	.02	.11	.06	.06	.04	.04	.01	.03	.05	.07	.05	.05	.03	.02	.03	.00	.68
1.6- 2.0	6	7	12	9	4	2	6	2	6	4	15	7	8	8	11	4	0	111
(1)	.59	.69	1.18	.88	.39	.20	.59	.20	.59	.39	1.47	.69	.78	.78	1.08	.39	.00	10.88
(2)	.06	.07	.12	.09	.04	.02	.06	.02	.06	.04	.14	.07	.08	.08	.11	.04	.00	1.07
2.1- 3.0	11	13	23	27	22	7	13	13	20	19	21	19	27	6	9	7	0	257
(1)	1.08	1.27	2.25	2.65	2.16	.69	1.27	1.27	1.96	1.86	2.06	1.86	2.65	.59	.88	.69	.00	25.20
(2)	.11	.13	.22	.26	.21	.07	.13	.13	.19	.18	.20	.18	.26	.06	.09	.07	.00	2.48
3.1- 4.0	19	16	16	1	14	18	15	17	17	14	13	20	13	4	4	11	0	212
(1)	1.86	1.57	1.57	.10	1.37	1.76	1.47	1.67	1.67	1.37	1.27	1.96	1.27	.39	.39	1.08	.00	20.78
(2)	.18	.15	.15	.01	.14	.17	.14	.16	.16	.14	.13	.19	.13	.04	.04	.11	.00	2.04
4.1- 5.0	6	13	3	1	0	15	10	30	19	15	4	27	5	2	1	6	0	157
(1)	.59	1.27	.29	.10	.00	1.47	.98	2.94	1.86	1.47	.39	2.65	.49	.20	.10	.59	.00	15.39
(2)	.06	.13	.03	.01	.00	.14	.10	.29	.18	.14	.04	.26	.05	.02	.01	.06	.00	1.51
5.1- 6.0	9	4	0	0	0	4	11	5	9	3	2	13	4	3	1	3	0	71
(1)	.88	.39	.00	.00	.00	.39	1.08	.49	.88	.29	.20	1.27	.39	.29	.10	.29	.00	6.96
(2)	.09	.04	.00	.00	.00	.04	.11	.05	.09	.03	.02	.13	.04	.03	.01	.03	.00	.68
6.1- 8.0	15	4	0	0	0	0	1	0	2	0	4	16	8	2	4	9	0	65
(1)	1.47	.39	.00	.00	.00	.00	.10	.00	.20	.00	.39	1.57	.78	.20	.39	.88	.00	6.37
(2)	.14	.04	.00	.00	.00	.00	.01	.00	.02	.00	.04	.15	.08	.02	.04	.09	.00	.63
8.1-10.0	4	2	0	0	0	0	0	0	0	0	1	7	5	0	1	3	0	23
(1)	.39	.20	.00	.00	.00	.00	.00	.00	.00	.00	.10	.69	.49	.00	.10	.29	.00	2.25
(2)	.04	.02	.00	.00	.00	.00	.00	.00	.00	.00	.01	.07	.05	.00	.01	.03	.00	.22
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	7	3	0	0	0	0	11
(1)	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.69	.29	.00	.00	.00	.00	1.08
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.03	.00	.00	.00	.00	.11
ALL SPEEDS	78	67	70	49	49	50	63	69	78	62	69	124	80	28	34	50	0	1020
(1)	7.65	6.57	6.86	4.80	4.80	4.90	6.18	6.76	7.65	6.08	6.76	12.16	7.84	2.75	3.33	4.90	.00	100.00
(2)	.75	.65	.68	.47	.47	.48	.61	.67	.75	.60	.67	1.20	.77	.27	.33	.48	.00	9.84

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Table 2.3-32—{NMPNS 100 ft (30-m) 2001-2005 Spring JFD}

(Page 7 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 7.77

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	4
(1)	.00	.00	.00	.12	.00	.12	.00	.00	.00	.00	.25	.00	.00	.00	.00	.00	.00	.50
(2)	.00	.00	.00	.01	.00	.01	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.04
.3- .4	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	3
(1)	.00	.00	.00	.25	.00	.00	.00	.00	.00	.00	.12	.00	.00	.00	.00	.00	.00	.37
(2)	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	3	4	6	8	3	2	1	3	3	1	3	4	3	4	2	2	0	52
(1)	.37	.50	.74	.99	.37	.25	.12	.37	.37	.12	.37	.50	.37	.50	.25	.25	.00	6.45
(2)	.03	.04	.06	.08	.03	.02	.01	.03	.03	.01	.03	.04	.03	.04	.02	.02	.00	.50
1.1- 1.5	6	4	5	8	8	6	2	1	6	5	4	6	6	1	3	2	0	73
(1)	.74	.50	.62	.99	.99	.74	.25	.12	.74	.62	.50	.74	.74	.12	.37	.25	.00	9.06
(2)	.06	.04	.05	.08	.08	.06	.02	.01	.06	.05	.04	.06	.06	.01	.03	.02	.00	.70
1.6- 2.0	2	5	6	10	8	7	9	6	5	7	2	8	9	4	4	3	0	95
(1)	.25	.62	.74	1.24	.99	.87	1.12	.74	.62	.87	.25	.99	1.12	.50	.50	.37	.00	11.79
(2)	.02	.05	.06	.10	.08	.07	.09	.06	.05	.07	.02	.08	.09	.04	.04	.03	.00	.92
2.1- 3.0	6	3	5	6	19	23	13	20	16	17	11	16	15	2	6	5	0	183
(1)	.74	.37	.62	.74	2.36	2.85	1.61	2.48	1.99	2.11	1.36	1.99	1.86	.25	.74	.62	.00	22.70
(2)	.06	.03	.05	.06	.18	.22	.13	.19	.15	.16	.11	.15	.14	.02	.06	.05	.00	1.77
3.1- 4.0	7	8	6	2	5	23	19	26	17	10	3	22	10	3	3	3	0	167
(1)	.87	.99	.74	.25	.62	2.85	2.36	3.23	2.11	1.24	.37	2.73	1.24	.37	.37	.37	.00	20.72
(2)	.07	.08	.06	.02	.05	.22	.18	.25	.16	.10	.03	.21	.10	.03	.03	.03	.00	1.61
4.1- 5.0	8	10	6	1	0	15	14	35	8	5	0	9	5	4	0	5	0	125
(1)	.99	1.24	.74	.12	.00	1.86	1.74	4.34	.99	.62	.00	1.12	.62	.50	.00	.62	.00	15.51
(2)	.08	.10	.06	.01	.00	.14	.14	.34	.08	.05	.00	.09	.05	.04	.00	.05	.00	1.21
5.1- 6.0	9	9	2	0	0	1	2	5	4	1	0	4	2	2	5	4	0	50
(1)	1.12	1.12	.25	.00	.00	.12	.25	.62	.50	.12	.00	.50	.25	.25	.62	.50	.00	6.20
(2)	.09	.09	.02	.00	.00	.01	.02	.05	.04	.01	.00	.04	.02	.02	.05	.04	.00	.48
6.1- 8.0	8	7	0	0	0	0	0	0	0	0	0	8	3	2	3	8	0	39
(1)	.99	.87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.99	.37	.25	.37	.99	.00	4.84
(2)	.08	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.03	.02	.03	.08	.00	.38
8.1-10.0	1	1	0	0	0	0	0	0	0	0	0	7	1	0	0	2	0	12
(1)	.12	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.87	.12	.00	.00	.25	.00	1.49
(2)	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.01	.00	.00	.02	.00	.12
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.12	.00	.00	.00	.00	.37
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00	.03
ALL SPEEDS	50	51	36	38	43	78	60	96	59	46	26	86	55	22	26	34	0	806
(1)	6.20	6.33	4.47	4.71	5.33	9.68	7.44	11.91	7.32	5.71	3.23	10.67	6.82	2.73	3.23	4.22	.00	100.00
(2)	.48	.49	.35	.37	.41	.75	.58	.93	.57	.44	.25	.83	.53	.21	.25	.33	.00	7.77

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Table 2.3-32—{NMPNS 100 ft (30-m) 2001-2005 Spring JFD}

(Page 8 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	1	0	1	0	0	0	0	2	0	0	0	1	0	0	5
(1)	.00	.00	.00	.01	.00	.01	.00	.00	.00	.00	.02	.00	.00	.00	.01	.00	.00	.05
(2)	.00	.00	.00	.01	.00	.01	.00	.00	.00	.00	.02	.00	.00	.00	.01	.00	.00	.05
.3- .4	1	2	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	8
(1)	.01	.02	.00	.03	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.08
(2)	.01	.02	.00	.03	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.08
.5- 1.0	13	24	20	29	13	4	4	7	8	7	10	13	12	15	10	9	0	198
(1)	.13	.23	.19	.28	.13	.04	.04	.07	.08	.07	.10	.13	.12	.14	.10	.09	.00	1.91
(2)	.13	.23	.19	.28	.13	.04	.04	.07	.08	.07	.10	.13	.12	.14	.10	.09	.00	1.91
1.1- 1.5	26	21	38	52	33	19	18	13	18	15	21	26	23	17	19	18	0	377
(1)	.25	.20	.37	.50	.32	.18	.17	.13	.17	.14	.20	.25	.22	.16	.18	.17	.00	3.64
(2)	.25	.20	.37	.50	.32	.18	.17	.13	.17	.14	.20	.25	.22	.16	.18	.17	.00	3.64
1.6- 2.0	24	34	74	82	46	21	30	21	22	22	36	36	45	26	32	22	0	573
(1)	.23	.33	.71	.79	.44	.20	.29	.20	.21	.21	.35	.35	.43	.25	.31	.21	.00	5.53
(2)	.23	.33	.71	.79	.44	.20	.29	.20	.21	.21	.35	.35	.43	.25	.31	.21	.00	5.53
2.1- 3.0	75	105	178	121	103	70	87	82	66	68	90	131	121	44	50	49	0	1440
(1)	.72	1.01	1.72	1.17	.99	.68	.84	.79	.64	.66	.87	1.26	1.17	.42	.48	.47	.00	13.89
(2)	.72	1.01	1.72	1.17	.99	.68	.84	.79	.64	.66	.87	1.26	1.17	.42	.48	.47	.00	13.89
3.1- 4.0	83	108	101	42	63	125	164	124	99	78	80	219	116	56	49	45	0	1552
(1)	.80	1.04	.97	.41	.61	1.21	1.58	1.20	.95	.75	.77	2.11	1.12	.54	.47	.43	.00	14.97
(2)	.80	1.04	.97	.41	.61	1.21	1.58	1.20	.95	.75	.77	2.11	1.12	.54	.47	.43	.00	14.97
4.1- 5.0	58	108	48	7	19	134	208	211	135	70	47	279	86	44	26	45	0	1525
(1)	.56	1.04	.46	.07	.18	1.29	2.01	2.04	1.30	.68	.45	2.69	.83	.42	.25	.43	.00	14.71
(2)	.56	1.04	.46	.07	.18	1.29	2.01	2.04	1.30	.68	.45	2.69	.83	.42	.25	.43	.00	14.71
5.1- 6.0	74	94	55	0	6	103	223	186	130	38	52	260	80	59	44	62	0	1466
(1)	.71	.91	.53	.00	.06	.99	2.15	1.79	1.25	.37	.50	2.51	.77	.57	.42	.60	.00	14.14
(2)	.71	.91	.53	.00	.06	.99	2.15	1.79	1.25	.37	.50	2.51	.77	.57	.42	.60	.00	14.14
6.1- 8.0	119	137	35	0	1	81	168	164	97	17	62	330	187	99	74	84	0	1655
(1)	1.15	1.32	.34	.00	.01	.78	1.62	1.58	.94	.16	.60	3.18	1.80	.95	.71	.81	.00	15.96
(2)	1.15	1.32	.34	.00	.01	.78	1.62	1.58	.94	.16	.60	3.18	1.80	.95	.71	.81	.00	15.96
8.1-10.0	82	55	4	0	0	7	48	48	7	0	27	194	173	71	56	67	0	839
(1)	.79	.53	.04	.00	.00	.07	.46	.46	.07	.00	.26	1.87	1.67	.68	.54	.65	.00	8.09
(2)	.79	.53	.04	.00	.00	.07	.46	.46	.07	.00	.26	1.87	1.67	.68	.54	.65	.00	8.09
10.1-40.3	43	17	0	0	0	0	10	4	1	1	5	158	216	135	79	61	0	730
(1)	.41	.16	.00	.00	.00	.00	.10	.04	.01	.01	.05	1.52	2.08	1.30	.76	.59	.00	7.04
(2)	.41	.16	.00	.00	.00	.00	.10	.04	.01	.01	.05	1.52	2.08	1.30	.76	.59	.00	7.04
ALL SPEEDS	598	705	553	337	284	565	961	860	583	316	433	1646	1059	566	440	462	0	10368
(1)	5.77	6.80	5.33	3.25	2.74	5.45	9.27	8.29	5.62	3.05	4.18	15.88	10.21	5.46	4.24	4.46	.00	100.00
(2)	5.77	6.80	5.33	3.25	2.74	5.45	9.27	8.29	5.62	3.05	4.18	15.88	10.21	5.46	4.24	4.46	.00	100.00

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Table 2.3-33—{NMPNS 100 ft (30-m) 2001-2005 Summer JFD}

(Page 1 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 9.55

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	0	0	0	0	0	0	0	0	1	0	0	2	6	9	15	0	34
(1)	.10	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.19	.57	.86	1.43	.00	3.24
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.02	.05	.08	.14	.00	.31
2.1- 3.0	21	14	8	1	1	0	5	0	1	0	0	2	5	30	35	57	0	180
(1)	2.00	1.34	.76	.10	.10	.00	.48	.00	.10	.00	.00	.19	.48	2.86	3.34	5.44	.00	17.18
(2)	.19	.13	.07	.01	.01	.00	.05	.00	.01	.00	.00	.02	.05	.27	.32	.52	.00	1.64
3.1- 4.0	32	12	1	0	0	0	2	2	6	1	3	27	13	37	30	34	0	200
(1)	3.05	1.15	.10	.00	.00	.00	.19	.19	.57	.10	.29	2.58	1.24	3.53	2.86	3.24	.00	19.08
(2)	.29	.11	.01	.00	.00	.00	.02	.02	.05	.01	.03	.25	.12	.34	.27	.31	.00	1.82
4.1- 5.0	13	15	0	0	0	1	4	2	4	3	0	68	14	23	23	29	0	199
(1)	1.24	1.43	.00	.00	.00	.10	.38	.19	.38	.29	.00	6.49	1.34	2.19	2.19	2.77	.00	18.99
(2)	.12	.14	.00	.00	.00	.01	.04	.02	.04	.03	.00	.62	.13	.21	.21	.26	.00	1.81
5.1- 6.0	9	8	2	0	0	0	4	2	2	0	0	99	7	15	13	15	0	176
(1)	.86	.76	.19	.00	.00	.00	.38	.19	.19	.00	.00	9.45	.67	1.43	1.24	1.43	.00	16.79
(2)	.08	.07	.02	.00	.00	.00	.04	.02	.02	.00	.00	.90	.06	.14	.12	.14	.00	1.60
6.1- 8.0	26	12	0	0	0	0	1	0	1	0	0	85	12	16	10	18	0	181
(1)	2.48	1.15	.00	.00	.00	.00	.10	.00	.10	.00	.00	8.11	1.15	1.53	.95	1.72	.00	17.27
(2)	.24	.11	.00	.00	.00	.00	.01	.00	.01	.00	.00	.77	.11	.15	.09	.16	.00	1.65
8.1-10.0	17	2	0	0	0	0	0	0	0	0	0	19	7	5	5	3	0	58
(1)	1.62	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.81	.67	.48	.48	.29	.00	5.53
(2)	.15	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.06	.05	.05	.03	.00	.53
10.1-40.3	2	0	0	0	0	0	0	0	0	0	0	5	12	0	0	1	0	20
(1)	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48	1.15	.00	.00	.10	.00	1.91
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.11	.00	.00	.01	.00	.18
ALL SPEEDS	121	63	11	1	1	1	16	6	14	5	3	305	72	132	125	172	0	1048
(1)	11.55	6.01	1.05	.10	.10	.10	1.53	.57	1.34	.48	.29	29.10	6.87	12.60	11.93	16.41	.00	100.00
(2)	1.10	.57	.10	.01	.01	.01	.15	.05	.13	.05	.03	2.78	.66	1.20	1.14	1.57	.00	9.55

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Table 2.3-33—{NMPNS 100 ft (30-m) 2001-2005 Summer JFD}

(Page 2 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.25

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.00	.00	.21	.00	.43
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.00	.02
1.6- 2.0	1	1	4	0	1	0	0	2	0	1	0	0	1	1	1	8	0	21
(1)	.21	.21	.86	.00	.21	.00	.00	.43	.00	.21	.00	.00	.21	.21	.21	1.72	.00	4.51
(2)	.01	.01	.04	.00	.01	.00	.00	.02	.00	.01	.00	.00	.01	.01	.01	.07	.00	.19
2.1- 3.0	6	5	5	1	1	1	6	6	5	4	3	5	13	13	6	9	0	89
(1)	1.29	1.07	1.07	.21	.21	.21	1.29	1.29	1.07	.86	.64	1.07	2.79	2.79	1.29	1.93	.00	19.10
(2)	.05	.05	.05	.01	.01	.01	.05	.05	.05	.04	.03	.05	.12	.12	.05	.08	.00	.81
3.1- 4.0	3	8	2	0	1	0	7	6	1	6	0	14	21	7	1	1	0	78
(1)	.64	1.72	.43	.00	.21	.00	1.50	1.29	.21	1.29	.00	3.00	4.51	1.50	.21	.21	.00	16.74
(2)	.03	.07	.02	.00	.01	.00	.06	.05	.01	.05	.00	.13	.19	.06	.01	.01	.00	.71
4.1- 5.0	6	7	1	0	0	2	4	6	2	4	0	24	31	7	5	1	0	100
(1)	1.29	1.50	.21	.00	.00	.43	.86	1.29	.43	.86	.00	5.15	6.65	1.50	1.07	.21	.00	21.46
(2)	.05	.06	.01	.00	.00	.02	.04	.05	.02	.04	.00	.22	.28	.06	.05	.01	.00	.91
5.1- 6.0	4	2	0	0	0	3	2	12	5	0	0	18	9	1	1	1	0	58
(1)	.86	.43	.00	.00	.00	.64	.43	2.58	1.07	.00	.00	3.86	1.93	.21	.21	.21	.00	12.45
(2)	.04	.02	.00	.00	.00	.03	.02	.11	.05	.00	.00	.16	.08	.01	.01	.01	.00	.53
6.1- 8.0	5	2	0	0	0	0	0	2	0	0	0	29	21	6	3	2	0	70
(1)	1.07	.43	.00	.00	.00	.00	.00	.43	.00	.00	.00	6.22	4.51	1.29	.64	.43	.00	15.02
(2)	.05	.02	.00	.00	.00	.00	.00	.02	.00	.00	.00	.26	.19	.05	.03	.02	.00	.64
8.1-10.0	3	1	0	0	0	0	0	0	0	0	0	10	14	6	2	0	0	36
(1)	.64	.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.15	3.00	1.29	.43	.00	.00	7.73
(2)	.03	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.13	.05	.02	.00	.00	.33
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	8	1	0	2	0	12
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	1.72	.21	.00	.43	.00	2.58
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.07	.01	.00	.02	.00	.11
ALL SPEEDS	28	26	12	1	3	6	19	34	13	15	3	101	119	42	19	25	0	466
(1)	6.01	5.58	2.58	.21	.64	1.29	4.08	7.30	2.79	3.22	.64	21.67	25.54	9.01	4.08	5.36	.00	100.00
(2)	.26	.24	.11	.01	.03	.05	.17	.31	.12	.14	.03	.92	1.08	.38	.17	.23	.00	4.25

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Table 2.3-33—{NMPNS 100 ft (30-m) 2001-2005 Summer JFD}

(Page 3 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.02

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.00	.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01
1.1- 1.5	0	0	2	0	0	1	0	0	0	0	0	1	2	3	1	0	0	10
(1)	.00	.00	.36	.00	.00	.18	.00	.00	.00	.00	.00	.18	.36	.54	.18	.00	.00	1.81
(2)	.00	.00	.02	.00	.00	.01	.00	.00	.00	.00	.00	.01	.02	.03	.01	.00	.00	.09
1.6- 2.0	3	4	2	1	1	2	0	1	1	0	1	1	2	3	2	4	0	28
(1)	.54	.73	.36	.18	.18	.36	.00	.18	.18	.00	.18	.18	.36	.54	.36	.73	.00	5.08
(2)	.03	.04	.02	.01	.01	.02	.00	.01	.01	.00	.01	.01	.02	.03	.02	.04	.00	.26
2.1- 3.0	5	10	8	1	3	6	2	7	10	4	3	10	7	7	5	3	0	91
(1)	.91	1.81	1.45	.18	.54	1.09	.36	1.27	1.81	.73	.54	1.81	1.27	1.27	.91	.54	.00	16.52
(2)	.05	.09	.07	.01	.03	.05	.02	.06	.09	.04	.03	.09	.06	.06	.05	.03	.00	.83
3.1- 4.0	3	10	2	0	0	1	5	8	9	6	2	18	19	7	9	2	0	101
(1)	.54	1.81	.36	.00	.00	.18	.91	1.45	1.63	1.09	.36	3.27	3.45	1.27	1.63	.36	.00	18.33
(2)	.03	.09	.02	.00	.00	.01	.05	.07	.08	.05	.02	.16	.17	.06	.08	.02	.00	.92
4.1- 5.0	7	6	0	0	1	0	11	5	11	10	1	16	22	5	3	4	0	102
(1)	1.27	1.09	.00	.00	.18	.00	2.00	.91	2.00	1.81	.18	2.90	3.99	.91	.54	.73	.00	18.51
(2)	.06	.05	.00	.00	.01	.00	.10	.05	.10	.09	.01	.15	.20	.05	.03	.04	.00	.93
5.1- 6.0	5	3	1	0	0	3	1	3	1	3	0	26	12	3	2	1	0	64
(1)	.91	.54	.18	.00	.00	.54	.18	.54	.18	.54	.00	4.72	2.18	.54	.36	.18	.00	11.62
(2)	.05	.03	.01	.00	.00	.03	.01	.03	.01	.03	.00	.24	.11	.03	.02	.01	.00	.58
6.1- 8.0	5	2	1	0	0	2	1	1	1	0	0	28	22	9	5	3	0	80
(1)	.91	.36	.18	.00	.00	.36	.18	.18	.18	.00	.00	5.08	3.99	1.63	.91	.54	.00	14.52
(2)	.05	.02	.01	.00	.00	.02	.01	.01	.01	.00	.00	.26	.20	.08	.05	.03	.00	.73
8.1-10.0	3	2	0	0	0	0	0	0	0	0	0	5	32	14	1	1	0	58
(1)	.54	.36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.91	5.81	2.54	.18	.18	.00	10.53
(2)	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.29	.13	.01	.01	.00	.53
10.1-40.3	4	0	0	0	0	0	0	0	0	0	0	1	6	5	0	0	0	16
(1)	.73	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	1.09	.91	.00	.00	.00	2.90
(2)	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.05	.05	.00	.00	.00	.15
ALL SPEEDS	35	37	16	2	5	15	20	25	33	23	7	106	124	56	28	19	0	551
(1)	6.35	6.72	2.90	.36	.91	2.72	3.63	4.54	5.99	4.17	1.27	19.24	22.50	10.16	5.08	3.45	.00	100.00
(2)	.32	.34	.15	.02	.05	.14	.18	.23	.30	.21	.06	.97	1.13	.51	.26	.17	.00	5.02

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Table 2.3-33—{NMPNS 100 ft (30-m) 2001-2005 Summer JFD}

(Page 4 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 30.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	4	0	8	2	5	1	3	0	1	3	2	0	1	3	2	2	0	37
(1)	.12	.00	.24	.06	.15	.03	.09	.00	.03	.09	.06	.00	.03	.09	.06	.06	.00	1.12
(2)	.04	.00	.07	.02	.05	.01	.03	.00	.01	.03	.02	.00	.01	.03	.02	.02	.00	.34
1.1- 1.5	7	7	18	11	6	7	2	5	2	10	4	8	14	12	14	9	0	136
(1)	.21	.21	.55	.33	.18	.21	.06	.15	.06	.30	.12	.24	.43	.36	.43	.27	.00	4.13
(2)	.06	.06	.16	.10	.05	.06	.02	.05	.02	.09	.04	.07	.13	.11	.13	.08	.00	1.24
1.6- 2.0	27	19	34	12	14	9	11	8	12	10	3	14	20	12	15	12	0	232
(1)	.82	.58	1.03	.36	.43	.27	.33	.24	.36	.30	.09	.43	.61	.36	.46	.36	.00	7.05
(2)	.25	.17	.31	.11	.13	.08	.10	.07	.11	.09	.03	.13	.18	.11	.14	.11	.00	2.11
2.1- 3.0	22	43	41	13	14	27	23	41	43	31	16	40	65	31	16	17	0	483
(1)	.67	1.31	1.25	.39	.43	.82	.70	1.25	1.31	.94	.49	1.22	1.97	.94	.49	.52	.00	14.67
(2)	.20	.39	.37	.12	.13	.25	.21	.37	.39	.28	.15	.36	.59	.28	.15	.15	.00	4.40
3.1- 4.0	17	39	36	4	10	17	45	51	54	41	21	66	65	17	17	13	0	513
(1)	.52	1.18	1.09	.12	.30	.52	1.37	1.55	1.64	1.25	.64	2.00	1.97	.52	.52	.39	.00	15.58
(2)	.15	.36	.33	.04	.09	.15	.41	.46	.49	.37	.19	.60	.59	.15	.15	.12	.00	4.68
4.1- 5.0	22	33	32	1	3	28	45	39	69	30	23	129	70	33	17	16	0	590
(1)	.67	1.00	.97	.03	.09	.85	1.37	1.18	2.10	.91	.70	3.92	2.13	1.00	.52	.49	.00	17.92
(2)	.20	.30	.29	.01	.03	.26	.41	.36	.63	.27	.21	1.18	.64	.30	.15	.15	.00	5.38
5.1- 6.0	23	37	14	0	0	16	38	37	35	14	31	142	61	22	11	10	0	491
(1)	.70	1.12	.43	.00	.00	.49	1.15	1.12	1.06	.43	.94	4.31	1.85	.67	.33	.30	.00	14.91
(2)	.21	.34	.13	.00	.00	.15	.35	.34	.32	.13	.28	1.29	.56	.20	.10	.09	.00	4.47
6.1- 8.0	25	41	12	1	0	8	22	15	12	3	9	166	109	48	28	17	0	516
(1)	.76	1.25	.36	.03	.00	.24	.67	.46	.36	.09	.27	5.04	3.31	1.46	.85	.52	.00	15.67
(2)	.23	.37	.11	.01	.00	.07	.20	.14	.11	.03	.08	1.51	.99	.44	.26	.15	.00	4.70
8.1-10.0	27	4	0	0	0	1	0	0	0	0	0	36	89	37	22	5	0	221
(1)	.82	.12	.00	.00	.00	.03	.00	.00	.00	.00	.00	1.09	2.70	1.12	.67	.15	.00	6.71
(2)	.25	.04	.00	.00	.00	.01	.00	.00	.00	.00	.00	.33	.81	.34	.20	.05	.00	2.01
10.1-40.3	10	4	0	0	0	0	0	0	0	0	0	11	28	12	3	5	0	73
(1)	.30	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33	.85	.36	.09	.15	.00	2.22
(2)	.09	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.26	.11	.03	.05	.00	.67
ALL SPEEDS	184	227	195	44	52	114	189	196	228	142	109	612	522	227	145	106	0	3292
(1)	5.59	6.90	5.92	1.34	1.58	3.46	5.74	5.95	6.93	4.31	3.31	18.59	15.86	6.90	4.40	3.22	.00	100.00
(2)	1.68	2.07	1.78	.40	.47	1.04	1.72	1.79	2.08	1.29	.99	5.58	4.76	2.07	1.32	.97	.00	30.00

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Table 2.3-33—{NMPNS 100 ft (30-m) 2001-2005 Summer JFD}

(Page 5 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 29.29

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	4	2	6	6	2	2	3	0	2	4	3	5	4	0	1	5	0	49
(1)	.12	.06	.19	.19	.06	.06	.09	.00	.06	.12	.09	.16	.12	.00	.03	.16	.00	1.52
(2)	.04	.02	.05	.05	.02	.02	.03	.00	.02	.04	.03	.05	.04	.00	.01	.05	.00	.45
1.1- 1.5	11	13	19	22	8	7	4	8	7	7	11	10	11	6	5	9	0	158
(1)	.34	.40	.59	.68	.25	.22	.12	.25	.22	.22	.34	.31	.34	.19	.16	.28	.00	4.92
(2)	.10	.12	.17	.20	.07	.06	.04	.07	.06	.06	.10	.09	.10	.05	.05	.08	.00	1.44
1.6- 2.0	5	13	27	33	16	14	12	10	10	12	14	22	20	11	10	15	0	244
(1)	.16	.40	.84	1.03	.50	.44	.37	.31	.31	.37	.44	.68	.62	.34	.31	.47	.00	7.59
(2)	.05	.12	.25	.30	.15	.13	.11	.09	.09	.11	.13	.20	.18	.10	.09	.14	.00	2.22
2.1- 3.0	25	39	43	28	36	28	50	39	39	33	39	64	48	25	7	16	0	559
(1)	.78	1.21	1.34	.87	1.12	.87	1.56	1.21	1.21	1.03	1.21	1.99	1.49	.78	.22	.50	.00	17.39
(2)	.23	.36	.39	.26	.33	.26	.46	.36	.36	.30	.36	.58	.44	.23	.06	.15	.00	5.09
3.1- 4.0	17	28	13	11	12	26	78	67	69	64	62	113	35	12	8	11	0	626
(1)	.53	.87	.40	.34	.37	.81	2.43	2.08	2.15	1.99	1.93	3.52	1.09	.37	.25	.34	.00	19.48
(2)	.15	.26	.12	.10	.11	.24	.71	.61	.63	.58	.57	1.03	.32	.11	.07	.10	.00	5.70
4.1- 5.0	14	6	14	0	2	17	88	97	140	81	55	141	16	5	8	6	0	690
(1)	.44	.19	.44	.00	.06	.53	2.74	3.02	4.36	2.52	1.71	4.39	.50	.16	.25	.19	.00	21.47
(2)	.13	.05	.13	.00	.02	.15	.80	.88	1.28	.74	.50	1.28	.15	.05	.07	.05	.00	6.29
5.1- 6.0	5	4	3	0	0	13	74	90	135	26	55	142	23	4	2	2	0	578
(1)	.16	.12	.09	.00	.00	.40	2.30	2.80	4.20	.81	1.71	4.42	.72	.12	.06	.06	.00	17.98
(2)	.05	.04	.03	.00	.00	.12	.67	.82	1.23	.24	.50	1.29	.21	.04	.02	.02	.00	5.27
6.1- 8.0	6	3	3	0	0	9	23	17	18	1	15	112	26	14	3	2	0	252
(1)	.19	.09	.09	.00	.00	.28	.72	.53	.56	.03	.47	3.48	.81	.44	.09	.06	.00	7.84
(2)	.05	.03	.03	.00	.00	.08	.21	.15	.16	.01	.14	1.02	.24	.13	.03	.02	.00	2.30
8.1-10.0	1	1	0	0	0	0	3	1	0	0	0	26	12	3	4	0	0	51
(1)	.03	.03	.00	.00	.00	.00	.09	.03	.00	.00	.00	.81	.37	.09	.12	.00	.00	1.59
(2)	.01	.01	.00	.00	.00	.00	.03	.01	.00	.00	.00	.24	.11	.03	.04	.00	.00	.46
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	2	4	1	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.12	.03	.00	.00	.00	.22
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.04	.01	.00	.00	.00	.06
ALL SPEEDS	88	109	128	100	76	116	335	329	420	228	254	637	199	81	48	66	0	3214
(1)	2.74	3.39	3.98	3.11	2.36	3.61	10.42	10.24	13.07	7.09	7.90	19.82	6.19	2.52	1.49	2.05	.00	100.00
(2)	.80	.99	1.17	.91	.69	1.06	3.05	3.00	3.83	2.08	2.31	5.81	1.81	.74	.44	.60	.00	29.29

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Table 2.3-33—{NMPNS 100 ft (30-m) 2001-2005 Summer JFD}

(Page 6 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 11.16

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.08	.00	.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24
(2)	.00	.00	.00	.00	.01	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	2	2	5	4	4	2	1	1	4	2	8	0	2	3	3	1	0	44
(1)	.16	.16	.41	.33	.33	.16	.08	.08	.33	.16	.65	.00	.16	.24	.24	.08	.00	3.59
(2)	.02	.02	.05	.04	.04	.02	.01	.01	.04	.02	.07	.00	.02	.03	.03	.01	.00	.40
1.1- 1.5	6	2	10	10	4	3	4	1	9	8	10	2	2	4	4	0	0	79
(1)	.49	.16	.82	.82	.33	.24	.33	.08	.73	.65	.82	.16	.16	.33	.33	.00	.00	6.45
(2)	.05	.02	.09	.09	.04	.03	.04	.01	.08	.07	.09	.02	.02	.04	.04	.00	.00	.72
1.6- 2.0	3	1	6	11	12	9	11	5	6	14	13	6	9	7	2	4	0	119
(1)	.24	.08	.49	.90	.98	.73	.90	.41	.49	1.14	1.06	.49	.73	.57	.16	.33	.00	9.71
(2)	.03	.01	.05	.10	.11	.08	.10	.05	.05	.13	.12	.05	.08	.06	.02	.04	.00	1.08
2.1- 3.0	10	6	7	4	43	30	18	20	25	23	33	31	14	3	2	3	0	272
(1)	.82	.49	.57	.33	3.51	2.45	1.47	1.63	2.04	1.88	2.69	2.53	1.14	.24	.16	.24	.00	22.20
(2)	.09	.05	.06	.04	.39	.27	.16	.18	.23	.21	.30	.28	.13	.03	.02	.03	.00	2.48
3.1- 4.0	5	5	3	0	10	21	30	40	34	39	33	34	12	4	1	1	0	272
(1)	.41	.41	.24	.00	.82	1.71	2.45	3.27	2.78	3.18	2.69	2.78	.98	.33	.08	.08	.00	22.20
(2)	.05	.05	.03	.00	.09	.19	.27	.36	.31	.36	.30	.31	.11	.04	.01	.01	.00	2.48
4.1- 5.0	1	2	0	0	0	3	28	58	56	62	30	22	10	2	1	1	0	276
(1)	.08	.16	.00	.00	.00	.24	2.29	4.73	4.57	5.06	2.45	1.80	.82	.16	.08	.08	.00	22.53
(2)	.01	.02	.00	.00	.00	.03	.26	.53	.51	.57	.27	.20	.09	.02	.01	.01	.00	2.52
5.1- 6.0	5	1	0	0	0	0	7	19	46	20	2	21	6	2	1	0	0	130
(1)	.41	.08	.00	.00	.00	.00	.57	1.55	3.76	1.63	.16	1.71	.49	.16	.08	.00	.00	10.61
(2)	.05	.01	.00	.00	.00	.00	.06	.17	.42	.18	.02	.19	.05	.02	.01	.00	.00	1.18
6.1- 8.0	1	0	0	0	0	0	0	0	1	0	0	18	4	1	0	1	0	26
(1)	.08	.00	.00	.00	.00	.00	.00	.00	.08	.00	.00	1.47	.33	.08	.00	.08	.00	2.12
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.16	.04	.01	.00	.01	.00	.24
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.08	.08	.00	.00	.00	.33
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.01	.00	.00	.00	.04
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	33	19	31	29	74	68	101	144	181	168	129	136	60	27	14	11	0	1225
(1)	2.69	1.55	2.53	2.37	6.04	5.55	8.24	11.76	14.78	13.71	10.53	11.10	4.90	2.20	1.14	.90	.00	100.00
(2)	.30	.17	.28	.26	.67	.62	.92	1.31	1.65	1.53	1.18	1.24	.55	.25	.13	.10	.00	11.16

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Table 2.3-33—{NMPNS 100 ft (30-m) 2001-2005 Summer JFD}

(Page 7 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 10.73

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.08	.00	.00	.00	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17
(2)	.00	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
.5- 1.0	0	4	2	4	10	4	2	3	2	5	5	4	2	4	1	2	0	54
(1)	.00	.34	.17	.34	.85	.34	.17	.25	.17	.42	.42	.34	.17	.34	.08	.17	.00	4.59
(2)	.00	.04	.02	.04	.09	.04	.02	.03	.02	.05	.05	.04	.02	.04	.01	.02	.00	.49
1.1- 1.5	0	5	5	9	10	10	7	4	4	12	10	5	6	4	1	3	0	95
(1)	.00	.42	.42	.76	.85	.85	.59	.34	.34	1.02	.85	.42	.51	.34	.08	.25	.00	8.07
(2)	.00	.05	.05	.08	.09	.09	.06	.04	.04	.11	.09	.05	.05	.04	.01	.03	.00	.87
1.6- 2.0	1	4	1	18	17	10	6	15	12	14	13	8	3	5	0	2	0	129
(1)	.08	.34	.08	1.53	1.44	.85	.51	1.27	1.02	1.19	1.10	.68	.25	.42	.00	.17	.00	10.96
(2)	.01	.04	.01	.16	.15	.09	.05	.14	.11	.13	.12	.07	.03	.05	.00	.02	.00	1.18
2.1- 3.0	1	4	0	0	32	30	25	34	30	42	34	14	6	1	1	0	0	254
(1)	.08	.34	.00	.00	2.72	2.55	2.12	2.89	2.55	3.57	2.89	1.19	.51	.08	.08	.00	.00	21.58
(2)	.01	.04	.00	.00	.29	.27	.23	.31	.27	.38	.31	.13	.05	.01	.01	.00	.00	2.31
3.1- 4.0	0	2	0	0	5	32	28	44	52	45	15	3	2	0	0	0	0	228
(1)	.00	.17	.00	.00	.42	2.72	2.38	3.74	4.42	3.82	1.27	.25	.17	.00	.00	.00	.00	19.37
(2)	.00	.02	.00	.00	.05	.29	.26	.40	.47	.41	.14	.03	.02	.00	.00	.00	.00	2.08
4.1- 5.0	0	2	0	0	0	8	47	95	79	70	6	5	1	1	0	0	0	314
(1)	.00	.17	.00	.00	.00	.68	3.99	8.07	6.71	5.95	.51	.42	.08	.08	.00	.00	.00	26.68
(2)	.00	.02	.00	.00	.00	.07	.43	.87	.72	.64	.05	.05	.01	.01	.00	.00	.00	2.86
5.1- 6.0	0	0	0	0	0	0	4	20	37	14	0	9	3	0	0	0	0	87
(1)	.00	.00	.00	.00	.00	.00	.34	1.70	3.14	1.19	.00	.76	.25	.00	.00	.00	.00	7.39
(2)	.00	.00	.00	.00	.00	.00	.04	.18	.34	.13	.00	.08	.03	.00	.00	.00	.00	.79
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	4	3	2	0	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.34	.25	.17	.00	.00	.00	.76
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.03	.02	.00	.00	.00	.08
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.08	.08	.17	.00	.00	.42
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.00	.00	.05
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	2	21	8	32	74	94	119	216	216	202	83	53	27	18	5	7	0	1177
(1)	.17	1.78	.68	2.72	6.29	7.99	10.11	18.35	18.35	17.16	7.05	4.50	2.29	1.53	.42	.59	.00	100.00
(2)	.02	.19	.07	.29	.67	.86	1.08	1.97	1.97	1.84	.76	.48	.25	.16	.05	.06	.00	10.73

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Table 2.3-33—{NMPNS 100 ft (30-m) 2001-2005 Summer JFD}

(Page 8 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	1	1	0	2	1	0	0	0	0	0	0	0	0	0	5
(1)	.00	.00	.00	.01	.01	.00	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
(2)	.00	.00	.00	.01	.01	.00	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
.5- 1.0	10	8	21	16	21	9	9	4	9	14	18	9	9	10	7	11	0	185
(1)	.09	.07	.19	.15	.19	.08	.08	.04	.08	.13	.16	.08	.08	.09	.06	.10	.00	1.69
(2)	.09	.07	.19	.15	.19	.08	.08	.04	.08	.13	.16	.08	.08	.09	.06	.10	.00	1.69
1.1- 1.5	24	27	54	52	28	28	17	18	22	37	35	26	36	29	25	22	0	480
(1)	.22	.25	.49	.47	.26	.26	.15	.16	.20	.34	.32	.24	.33	.26	.23	.20	.00	4.37
(2)	.22	.25	.49	.47	.26	.26	.15	.16	.20	.34	.32	.24	.33	.26	.23	.20	.00	4.37
1.6- 2.0	41	42	74	75	61	44	40	41	41	52	44	51	57	45	39	60	0	807
(1)	.37	.38	.67	.68	.56	.40	.36	.37	.37	.47	.40	.46	.52	.41	.36	.55	.00	7.35
(2)	.37	.38	.67	.68	.56	.40	.36	.37	.37	.47	.40	.46	.52	.41	.36	.55	.00	7.35
2.1- 3.0	90	121	112	48	130	122	129	147	153	137	128	166	158	110	72	105	0	1928
(1)	.82	1.10	1.02	.44	1.18	1.11	1.18	1.34	1.39	1.25	1.17	1.51	1.44	1.00	.66	.96	.00	17.57
(2)	.82	1.10	1.02	.44	1.18	1.11	1.18	1.34	1.39	1.25	1.17	1.51	1.44	1.00	.66	.96	.00	17.57
3.1- 4.0	77	104	57	15	38	97	195	218	225	202	136	275	167	84	66	62	0	2018
(1)	.70	.95	.52	.14	.35	.88	1.78	1.99	2.05	1.84	1.24	2.51	1.52	.77	.60	.57	.00	18.39
(2)	.70	.95	.52	.14	.35	.88	1.78	1.99	2.05	1.84	1.24	2.51	1.52	.77	.60	.57	.00	18.39
4.1- 5.0	63	71	47	1	6	59	227	302	361	260	115	405	164	76	57	57	0	2271
(1)	.57	.65	.43	.01	.05	.54	2.07	2.75	3.29	2.37	1.05	3.69	1.49	.69	.52	.52	.00	20.70
(2)	.57	.65	.43	.01	.05	.54	2.07	2.75	3.29	2.37	1.05	3.69	1.49	.69	.52	.52	.00	20.70
5.1- 6.0	51	55	20	0	0	35	130	183	261	77	88	457	121	47	30	29	0	1584
(1)	.46	.50	.18	.00	.00	.32	1.18	1.67	2.38	.70	.80	4.16	1.10	.43	.27	.26	.00	14.44
(2)	.46	.50	.18	.00	.00	.32	1.18	1.67	2.38	.70	.80	4.16	1.10	.43	.27	.26	.00	14.44
6.1- 8.0	68	60	16	1	0	19	47	35	33	4	24	442	197	96	49	43	0	1134
(1)	.62	.55	.15	.01	.00	.17	.43	.32	.30	.04	.22	4.03	1.80	.87	.45	.39	.00	10.33
(2)	.62	.55	.15	.01	.00	.17	.43	.32	.30	.04	.22	4.03	1.80	.87	.45	.39	.00	10.33
8.1-10.0	51	10	0	0	0	1	3	1	0	0	0	99	156	67	36	9	0	433
(1)	.46	.09	.00	.00	.00	.01	.03	.01	.00	.00	.00	.90	1.42	.61	.33	.08	.00	3.95
(2)	.46	.09	.00	.00	.00	.01	.03	.01	.00	.00	.00	.90	1.42	.61	.33	.08	.00	3.95
10.1-40.3	16	4	0	0	0	0	0	0	0	0	0	20	58	19	3	8	0	128
(1)	.15	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.53	.17	.03	.07	.00	1.17
(2)	.15	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.53	.17	.03	.07	.00	1.17
ALL SPEEDS	491	502	401	209	285	414	799	950	1105	783	588	1950	1123	583	384	406	0	10973
(1)	4.47	4.57	3.65	1.90	2.60	3.77	7.28	8.66	10.07	7.14	5.36	17.77	10.23	5.31	3.50	3.70	.00	100.00
(2)	4.47	4.57	3.65	1.90	2.60	3.77	7.28	8.66	10.07	7.14	5.36	17.77	10.23	5.31	3.50	3.70	.00	100.00

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Table 2.3-34—{NMPNS 100 ft (30-m) 2001-2005 Autumn JFD}

(Page 1 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 8.77

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.11	.00	.00	.00	.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.02
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.32	.00	.00	.32
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03
1.6- 2.0	2	0	0	0	0	0	0	0	0	1	0	0	0	4	6	5	0	18
(1)	.21	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.43	.64	.53	.00	1.92
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.04	.06	.05	.00	.17
2.1- 3.0	23	6	5	1	0	1	6	1	1	2	0	0	6	9	15	30	0	106
(1)	2.45	.64	.53	.11	.00	.11	.64	.11	.11	.21	.00	.00	.64	.96	1.60	3.19	.00	11.29
(2)	.21	.06	.05	.01	.00	.01	.06	.01	.01	.02	.00	.00	.06	.08	.14	.28	.00	.99
3.1- 4.0	16	20	3	2	1	8	7	4	3	2	0	2	2	7	14	11	0	102
(1)	1.70	2.13	.32	.21	.11	.85	.75	.43	.32	.21	.00	.21	.21	.75	1.49	1.17	.00	10.86
(2)	.15	.19	.03	.02	.01	.07	.07	.04	.03	.02	.00	.02	.02	.07	.13	.10	.00	.95
4.1- 5.0	17	9	7	2	0	7	14	10	2	0	0	18	3	10	7	13	0	119
(1)	1.81	.96	.75	.21	.00	.75	1.49	1.06	.21	.00	.00	1.92	.32	1.06	.75	1.38	.00	12.67
(2)	.16	.08	.07	.02	.00	.07	.13	.09	.02	.00	.00	.17	.03	.09	.07	.12	.00	1.11
5.1- 6.0	18	13	2	0	1	7	4	4	2	0	2	15	4	9	13	12	0	106
(1)	1.92	1.38	.21	.00	.11	.75	.43	.43	.21	.00	.21	1.60	.43	.96	1.38	1.28	.00	11.29
(2)	.17	.12	.02	.00	.01	.07	.04	.04	.02	.00	.02	.14	.04	.08	.12	.11	.00	.99
6.1- 8.0	25	20	8	0	0	0	4	0	1	0	0	21	4	4	12	11	0	110
(1)	2.66	2.13	.85	.00	.00	.00	.43	.00	.11	.00	.00	2.24	.43	.43	1.28	1.17	.00	11.71
(2)	.23	.19	.07	.00	.00	.00	.04	.00	.01	.00	.00	.20	.04	.04	.11	.10	.00	1.03
8.1-10.0	11	4	3	0	0	1	0	0	0	0	1	5	1	4	10	19	0	59
(1)	1.17	.43	.32	.00	.00	.11	.00	.00	.00	.00	.11	.53	.11	.43	1.06	2.02	.00	6.28
(2)	.10	.04	.03	.00	.00	.01	.00	.00	.00	.00	.01	.05	.01	.04	.09	.18	.00	.55
10.1-40.3	28	12	0	0	0	0	0	0	0	0	0	17	40	97	82	38	0	314
(1)	2.98	1.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.81	4.26	10.33	8.73	4.05	.00	33.44
(2)	.26	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.37	.91	.77	.36	.00	2.93
ALL SPEEDS	140	84	28	5	2	24	35	19	9	5	3	78	61	145	162	139	0	939
(1)	14.91	8.95	2.98	.53	.21	2.56	3.73	2.02	.96	.53	.32	8.31	6.50	15.44	17.25	14.80	.00	100.00
(2)	1.31	.78	.26	.05	.02	.22	.33	.18	.08	.05	.03	.73	.57	1.35	1.51	1.30	.00	8.77

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Table 2.3-34—{NMPNS 100 ft (30-m) 2001-2005 Autumn JFD}

(Page 2 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.83

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
(1)	.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.00	.00	.00	.32
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.02
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.16	.00	.32
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.02
1.6- 2.0	2	0	1	0	0	0	0	0	2	1	0	0	1	1	1	2	0	11
(1)	.32	.00	.16	.00	.00	.00	.00	.00	.32	.16	.00	.00	.16	.16	.16	.32	.00	1.76
(2)	.02	.00	.01	.00	.00	.00	.00	.00	.02	.01	.00	.00	.01	.01	.01	.02	.00	.10
2.1- 3.0	6	8	2	1	1	2	3	6	1	2	3	2	7	6	5	2	0	57
(1)	.96	1.28	.32	.16	.16	.32	.48	.96	.16	.32	.48	.32	1.12	.96	.80	.32	.00	9.13
(2)	.06	.07	.02	.01	.01	.02	.03	.06	.01	.02	.03	.02	.07	.06	.05	.02	.00	.53
3.1- 4.0	6	4	0	0	1	5	5	6	6	2	1	3	6	5	0	5	0	55
(1)	.96	.64	.00	.00	.16	.80	.80	.96	.96	.32	.16	.48	.96	.80	.00	.80	.00	8.81
(2)	.06	.04	.00	.00	.01	.05	.05	.06	.06	.02	.01	.03	.06	.05	.00	.05	.00	.51
4.1- 5.0	7	1	2	0	1	5	8	9	10	3	1	10	14	8	3	5	0	87
(1)	1.12	.16	.32	.00	.16	.80	1.28	1.44	1.60	.48	.16	1.60	2.24	1.28	.48	.80	.00	13.94
(2)	.07	.01	.02	.00	.01	.05	.07	.08	.09	.03	.01	.09	.13	.07	.03	.05	.00	.81
5.1- 6.0	4	2	2	0	1	1	4	7	6	3	1	7	10	5	9	9	0	71
(1)	.64	.32	.32	.00	.16	.16	.64	1.12	.96	.48	.16	1.12	1.60	.80	1.44	1.44	.00	11.38
(2)	.04	.02	.02	.00	.01	.01	.04	.07	.06	.03	.01	.07	.09	.05	.08	.08	.00	.66
6.1- 8.0	7	9	1	0	0	1	4	2	0	0	1	11	9	9	14	15	0	83
(1)	1.12	1.44	.16	.00	.00	.16	.64	.32	.00	.00	.16	1.76	1.44	1.44	2.24	2.40	.00	13.30
(2)	.07	.08	.01	.00	.00	.01	.04	.02	.00	.00	.01	.10	.08	.08	.13	.14	.00	.78
8.1-10.0	5	3	0	0	0	1	2	0	0	0	1	6	6	12	28	18	0	82
(1)	.80	.48	.00	.00	.00	.16	.32	.00	.00	.00	.16	.96	.96	1.92	4.49	2.88	.00	13.14
(2)	.05	.03	.00	.00	.00	.01	.02	.00	.00	.00	.01	.06	.06	.11	.26	.17	.00	.77
10.1-40.3	6	5	0	0	0	0	0	0	0	0	0	19	32	33	56	23	0	174
(1)	.96	.80	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.04	5.13	5.29	8.97	3.69	.00	27.88
(2)	.06	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.30	.31	.52	.21	.00	1.63
ALL SPEEDS	44	32	8	1	4	15	26	30	25	11	8	58	85	80	117	80	0	624
(1)	7.05	5.13	1.28	.16	.64	2.40	4.17	4.81	4.01	1.76	1.28	9.29	13.62	12.82	18.75	12.82	.00	100.00
(2)	.41	.30	.07	.01	.04	.14	.24	.28	.23	.10	.07	.54	.79	.75	1.09	.75	.00	5.83

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Table 2.3-34—{NMPNS 100 ft (30-m) 2001-2005 Autumn JFD}

(Page 3 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.15

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	3
(1)	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13	.00	.00	.00	.00	.13	.00	.39
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01	.00	.03
1.6- 2.0	1	0	3	0	2	2	0	1	1	0	0	0	1	1	0	1	0	13
(1)	.13	.00	.39	.00	.26	.26	.00	.13	.13	.00	.00	.00	.13	.13	.00	.13	.00	1.70
(2)	.01	.00	.03	.00	.02	.02	.00	.01	.01	.00	.00	.00	.01	.01	.00	.01	.00	.12
2.1- 3.0	4	4	3	3	1	3	2	4	9	6	1	0	6	3	5	2	0	56
(1)	.52	.52	.39	.39	.13	.39	.26	.52	1.18	.78	.13	.00	.78	.39	.65	.26	.00	7.32
(2)	.04	.04	.03	.03	.01	.03	.02	.04	.08	.06	.01	.00	.06	.03	.05	.02	.00	.52
3.1- 4.0	5	5	7	1	2	8	3	8	14	11	3	5	11	6	2	3	0	94
(1)	.65	.65	.92	.13	.26	1.05	.39	1.05	1.83	1.44	.39	.65	1.44	.78	.26	.39	.00	12.29
(2)	.05	.05	.07	.01	.02	.07	.03	.07	.13	.10	.03	.05	.10	.06	.02	.03	.00	.88
4.1- 5.0	4	4	6	0	0	10	9	14	20	2	1	4	14	9	1	4	0	102
(1)	.52	.52	.78	.00	.00	1.31	1.18	1.83	2.61	.26	.13	.52	1.83	1.18	.13	.52	.00	13.33
(2)	.04	.04	.06	.00	.00	.09	.08	.13	.19	.02	.01	.04	.13	.08	.01	.04	.00	.95
5.1- 6.0	12	8	3	0	0	3	5	12	7	2	2	4	9	4	6	8	0	85
(1)	1.57	1.05	.39	.00	.00	.39	.65	1.57	.92	.26	.26	.52	1.18	.52	.78	1.05	.00	11.11
(2)	.11	.07	.03	.00	.00	.03	.05	.11	.07	.02	.02	.04	.08	.04	.06	.07	.00	.79
6.1- 8.0	17	11	7	0	0	0	11	8	2	1	1	14	15	11	22	14	0	134
(1)	2.22	1.44	.92	.00	.00	.00	1.44	1.05	.26	.13	.13	1.83	1.96	1.44	2.88	1.83	.00	17.52
(2)	.16	.10	.07	.00	.00	.00	.10	.07	.02	.01	.01	.13	.14	.10	.21	.13	.00	1.25
8.1-10.0	9	6	5	0	0	0	3	1	0	0	0	5	12	18	30	24	0	113
(1)	1.18	.78	.65	.00	.00	.00	.39	.13	.00	.00	.00	.65	1.57	2.35	3.92	3.14	.00	14.77
(2)	.08	.06	.05	.00	.00	.00	.03	.01	.00	.00	.00	.05	.11	.17	.28	.22	.00	1.06
10.1-40.3	7	8	3	0	0	0	0	0	0	0	1	13	42	43	33	15	0	165
(1)	.92	1.05	.39	.00	.00	.00	.00	.00	.00	.00	.13	1.70	5.49	5.62	4.31	1.96	.00	21.57
(2)	.07	.07	.03	.00	.00	.00	.00	.00	.00	.00	.01	.12	.39	.40	.31	.14	.00	1.54
ALL SPEEDS	60	46	37	4	5	26	33	48	53	22	10	45	110	95	99	72	0	765
(1)	7.84	6.01	4.84	.52	.65	3.40	4.31	6.27	6.93	2.88	1.31	5.88	14.38	12.42	12.94	9.41	.00	100.00
(2)	.56	.43	.35	.04	.05	.24	.31	.45	.50	.21	.09	.42	1.03	.89	.93	.67	.00	7.15

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Table 2.3-34—{NMPNS 100 ft (30-m) 2001-2005 Autumn JFD}

(Page 4 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 39.84

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	2	2	1	2	0	1	1	1	1	0	3	0	2	1	0	17
(1)	.00	.00	.05	.05	.02	.05	.00	.02	.02	.02	.02	.00	.07	.00	.05	.02	.00	.40
(2)	.00	.00	.02	.02	.01	.02	.00	.01	.01	.01	.01	.00	.03	.00	.02	.01	.00	.16
1.1- 1.5	7	9	12	8	6	7	8	2	3	3	2	5	2	3	2	4	0	83
(1)	.16	.21	.28	.19	.14	.16	.19	.05	.07	.07	.05	.12	.05	.07	.05	.09	.00	1.95
(2)	.07	.08	.11	.07	.06	.07	.07	.02	.03	.03	.02	.05	.02	.03	.02	.04	.00	.78
1.6- 2.0	4	14	19	16	10	13	14	8	4	7	2	4	3	8	6	4	0	136
(1)	.09	.33	.45	.38	.23	.30	.33	.19	.09	.16	.05	.09	.07	.19	.14	.09	.00	3.19
(2)	.04	.13	.18	.15	.09	.12	.13	.07	.04	.07	.02	.04	.03	.07	.06	.04	.00	1.27
2.1- 3.0	21	30	43	40	26	37	47	25	33	24	14	14	14	15	12	20	0	415
(1)	.49	.70	1.01	.94	.61	.87	1.10	.59	.77	.56	.33	.33	.33	.35	.28	.47	.00	9.73
(2)	.20	.28	.40	.37	.24	.35	.44	.23	.31	.22	.13	.13	.13	.14	.11	.19	.00	3.88
3.1- 4.0	26	30	85	31	24	62	55	53	88	48	18	31	27	20	27	12	0	637
(1)	.61	.70	1.99	.73	.56	1.45	1.29	1.24	2.06	1.13	.42	.73	.63	.47	.63	.28	.00	14.94
(2)	.24	.28	.79	.29	.22	.58	.51	.50	.82	.45	.17	.29	.25	.19	.25	.11	.00	5.95
4.1- 5.0	31	32	79	8	6	89	103	62	100	47	21	37	37	14	31	16	0	713
(1)	.73	.75	1.85	.19	.14	2.09	2.42	1.45	2.35	1.10	.49	.87	.87	.33	.73	.38	.00	16.72
(2)	.29	.30	.74	.07	.06	.83	.96	.58	.93	.44	.20	.35	.35	.13	.29	.15	.00	6.66
5.1- 6.0	24	41	53	1	4	50	115	57	87	34	46	32	42	31	24	28	0	669
(1)	.56	.96	1.24	.02	.09	1.17	2.70	1.34	2.04	.80	1.08	.75	.98	.73	.56	.66	.00	15.69
(2)	.22	.38	.50	.01	.04	.47	1.07	.53	.81	.32	.43	.30	.39	.29	.22	.26	.00	6.25
6.1- 8.0	31	64	36	0	1	14	107	73	59	24	48	61	104	52	69	28	0	771
(1)	.73	1.50	.84	.00	.02	.33	2.51	1.71	1.38	.56	1.13	1.43	2.44	1.22	1.62	.66	.00	18.08
(2)	.29	.60	.34	.00	.01	.13	1.00	.68	.55	.22	.45	.57	.97	.49	.64	.26	.00	7.20
8.1-10.0	17	28	6	0	0	8	32	41	6	3	18	43	83	76	41	15	0	417
(1)	.40	.66	.14	.00	.00	.19	.75	.96	.14	.07	.42	1.01	1.95	1.78	.96	.35	.00	9.78
(2)	.16	.26	.06	.00	.00	.07	.30	.38	.06	.03	.17	.40	.78	.71	.38	.14	.00	3.90
10.1-40.3	6	1	0	0	0	6	4	17	0	0	4	69	144	108	38	9	0	406
(1)	.14	.02	.00	.00	.00	.14	.09	.40	.00	.00	.09	1.62	3.38	2.53	.89	.21	.00	9.52
(2)	.06	.01	.00	.00	.00	.06	.04	.16	.00	.00	.04	.64	1.35	1.01	.36	.08	.00	3.79
ALL SPEEDS	167	249	335	106	78	288	485	339	381	191	174	296	459	327	252	137	0	4264
(1)	3.92	5.84	7.86	2.49	1.83	6.75	11.37	7.95	8.94	4.48	4.08	6.94	10.76	7.67	5.91	3.21	.00	100.00
(2)	1.56	2.33	3.13	.99	.73	2.69	4.53	3.17	3.56	1.78	1.63	2.77	4.29	3.06	2.35	1.28	.00	39.84

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Table 2.3-34—{NMPNS 100 ft (30-m) 2001-2005 Autumn JFD}

(Page 5 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 25.49

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	.04
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01
.5- 1.0	2	1	6	2	2	1	3	1	0	1	1	1	0	1	1	1	0	24
(1)	.07	.04	.22	.07	.07	.04	.11	.04	.00	.04	.04	.04	.00	.04	.04	.04	.00	.88
(2)	.02	.01	.06	.02	.02	.01	.03	.01	.00	.01	.01	.01	.00	.01	.01	.01	.00	.22
1.1- 1.5	4	8	7	8	9	2	4	0	5	1	5	2	2	1	4	2	0	64
(1)	.15	.29	.26	.29	.33	.07	.15	.00	.18	.04	.18	.07	.07	.04	.15	.07	.00	2.35
(2)	.04	.07	.07	.07	.08	.02	.04	.00	.05	.01	.05	.02	.02	.01	.04	.02	.00	.60
1.6- 2.0	3	2	5	20	12	10	7	8	6	3	6	9	3	4	0	3	0	101
(1)	.11	.07	.18	.73	.44	.37	.26	.29	.22	.11	.22	.33	.11	.15	.00	.11	.00	3.70
(2)	.03	.02	.05	.19	.11	.09	.07	.07	.06	.03	.06	.08	.03	.04	.00	.03	.00	.94
2.1- 3.0	12	6	16	30	32	34	38	40	19	22	11	17	7	4	4	3	0	295
(1)	.44	.22	.59	1.10	1.17	1.25	1.39	1.47	.70	.81	.40	.62	.26	.15	.15	.11	.00	10.81
(2)	.11	.06	.15	.28	.30	.32	.36	.37	.18	.21	.10	.16	.07	.04	.04	.03	.00	2.76
3.1- 4.0	3	4	16	7	9	54	93	90	85	38	26	26	8	3	2	2	0	466
(1)	.11	.15	.59	.26	.33	1.98	3.41	3.30	3.12	1.39	.95	.95	.29	.11	.07	.07	.00	17.08
(2)	.03	.04	.15	.07	.08	.50	.87	.84	.79	.36	.24	.24	.07	.03	.02	.02	.00	4.35
4.1- 5.0	2	2	7	1	2	38	162	138	155	96	44	33	14	3	2	0	0	699
(1)	.07	.07	.26	.04	.07	1.39	5.94	5.06	5.68	3.52	1.61	1.21	.51	.11	.07	.00	.00	25.62
(2)	.02	.02	.07	.01	.02	.36	1.51	1.29	1.45	.90	.41	.31	.13	.03	.02	.00	.00	6.53
5.1- 6.0	0	2	2	0	2	8	123	145	164	44	26	38	11	4	1	1	0	571
(1)	.00	.07	.07	.00	.07	.29	4.51	5.32	6.01	1.61	.95	1.39	.40	.15	.04	.04	.00	20.93
(2)	.00	.02	.02	.00	.02	.07	1.15	1.35	1.53	.41	.24	.36	.10	.04	.01	.01	.00	5.34
6.1- 8.0	2	1	0	0	1	4	100	100	56	7	14	50	15	7	1	3	0	361
(1)	.07	.04	.00	.00	.04	.15	3.67	3.67	2.05	.26	.51	1.83	.55	.26	.04	.11	.00	13.23
(2)	.02	.01	.00	.00	.01	.04	.93	.93	.52	.07	.13	.47	.14	.07	.01	.03	.00	3.37
8.1-10.0	0	0	0	0	0	0	9	15	1	0	2	33	6	11	5	1	0	83
(1)	.00	.00	.00	.00	.00	.00	.33	.55	.04	.00	.07	1.21	.22	.40	.18	.04	.00	3.04
(2)	.00	.00	.00	.00	.00	.00	.08	.14	.01	.00	.02	.31	.06	.10	.05	.01	.00	.78
10.1-40.3	0	0	0	0	0	0	1	3	0	0	1	14	31	8	4	1	0	63
(1)	.00	.00	.00	.00	.00	.00	.04	.11	.00	.00	.04	.51	1.14	.29	.15	.04	.00	2.31
(2)	.00	.00	.00	.00	.00	.00	.01	.03	.00	.00	.01	.13	.29	.07	.04	.01	.00	.59
ALL SPEEDS	28	26	59	68	69	151	540	540	491	212	136	223	97	47	24	17	0	2728
(1)	1.03	.95	2.16	2.49	2.53	5.54	19.79	19.79	18.00	7.77	4.99	8.17	3.56	1.72	.88	.62	.00	100.00
(2)	.26	.24	.55	.64	.64	1.41	5.05	5.05	4.59	1.98	1.27	2.08	.91	.44	.22	.16	.00	25.49

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Table 2.3-34—{NMPNS 100 ft (30-m) 2001-2005 Autumn JFD}

(Page 6 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 6.62

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	2	0	1	2	1	2	1	1	0	3	1	0	1	0	0	16
(1)	.14	.00	.28	.00	.14	.28	.14	.28	.14	.14	.00	.42	.14	.00	.14	.00	.00	2.26
(2)	.01	.00	.02	.00	.01	.02	.01	.02	.01	.01	.00	.03	.01	.00	.01	.00	.00	.15
1.1- 1.5	0	0	0	5	3	2	3	1	1	4	1	1	2	1	1	0	0	25
(1)	.00	.00	.00	.71	.42	.28	.42	.14	.14	.56	.14	.14	.28	.14	.14	.00	.00	3.53
(2)	.00	.00	.00	.05	.03	.02	.03	.01	.01	.04	.01	.01	.02	.01	.01	.00	.00	.23
1.6- 2.0	0	0	4	2	8	1	2	5	2	3	3	1	2	2	0	1	0	36
(1)	.00	.00	.56	.28	1.13	.14	.28	.71	.28	.42	.42	.14	.28	.28	.00	.14	.00	5.08
(2)	.00	.00	.04	.02	.07	.01	.02	.05	.02	.03	.03	.01	.02	.02	.00	.01	.00	.34
2.1- 3.0	1	2	3	1	26	29	13	12	6	8	7	8	7	3	1	0	0	127
(1)	.14	.28	.42	.14	3.67	4.09	1.83	1.69	.85	1.13	.99	1.13	.99	.42	.14	.00	.00	17.91
(2)	.01	.02	.03	.01	.24	.27	.12	.11	.06	.07	.07	.07	.07	.03	.01	.00	.00	1.19
3.1- 4.0	0	0	0	0	8	24	24	27	22	27	13	2	3	0	0	1	0	151
(1)	.00	.00	.00	.00	1.13	3.39	3.39	3.81	3.10	3.81	1.83	.28	.42	.00	.00	.14	.00	21.30
(2)	.00	.00	.00	.00	.07	.22	.22	.25	.21	.25	.12	.02	.03	.00	.00	.01	.00	1.41
4.1- 5.0	0	0	0	0	2	5	41	56	41	50	13	3	4	0	1	0	0	216
(1)	.00	.00	.00	.00	.28	.71	5.78	7.90	5.78	7.05	1.83	.42	.56	.00	.14	.00	.00	30.47
(2)	.00	.00	.00	.00	.02	.05	.38	.52	.38	.47	.12	.03	.04	.00	.01	.00	.00	2.02
5.1- 6.0	0	0	0	0	0	0	19	40	30	22	4	5	3	2	0	0	0	125
(1)	.00	.00	.00	.00	.00	.00	2.68	5.64	4.23	3.10	.56	.71	.42	.28	.00	.00	.00	17.63
(2)	.00	.00	.00	.00	.00	.00	.18	.37	.28	.21	.04	.05	.03	.02	.00	.00	.00	1.17
6.1- 8.0	0	0	0	0	0	0	0	1	2	0	0	2	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.14	.28	.00	.00	.28	.00	.00	.00	.00	.00	.71
(2)	.00	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00	.02	.00	.00	.00	.00	.00	.05
8.1-10.0	0	0	0	0	0	0	0	0	0	0	1	0	5	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.71	.00	.00	.00	.00	.85
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.05	.00	.00	.00	.00	.06
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.00	.00	.28
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.02
ALL SPEEDS	2	2	9	8	48	63	103	144	105	115	42	25	27	8	6	2	0	709
(1)	.28	.28	1.27	1.13	6.77	8.89	14.53	20.31	14.81	16.22	5.92	3.53	3.81	1.13	.85	.28	.00	100.00
(2)	.02	.02	.08	.07	.45	.59	.96	1.35	.98	1.07	.39	.23	.25	.07	.06	.02	.00	6.62

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Table 2.3-34—{NMPNS 100 ft (30-m) 2001-2005 Autumn JFD}

(Page 7 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 6.29

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.00	.00	.15	.00	.00	.00	.00	.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.00	.00	.00	.00	.02
.5- 1.0	0	0	2	2	1	3	0	5	0	2	5	1	2	0	0	0	0	23
(1)	.00	.00	.30	.30	.15	.45	.00	.74	.00	.30	.74	.15	.30	.00	.00	.00	.00	3.42
(2)	.00	.00	.02	.02	.01	.03	.00	.05	.00	.02	.05	.01	.02	.00	.00	.00	.00	.21
1.1- 1.5	0	1	2	8	8	4	1	3	1	2	2	3	1	2	1	0	0	39
(1)	.00	.15	.30	1.19	1.19	.59	.15	.45	.15	.30	.30	.45	.15	.30	.15	.00	.00	5.79
(2)	.00	.01	.02	.07	.07	.04	.01	.03	.01	.02	.02	.03	.01	.02	.01	.00	.00	.36
1.6- 2.0	0	0	0	3	5	4	9	3	7	3	4	2	0	1	0	0	0	41
(1)	.00	.00	.00	.45	.74	.59	1.34	.45	1.04	.45	.59	.30	.00	.15	.00	.00	.00	6.09
(2)	.00	.00	.00	.03	.05	.04	.08	.03	.07	.03	.04	.02	.00	.01	.00	.00	.00	.38
2.1- 3.0	0	1	0	2	11	22	16	10	20	37	10	3	1	1	1	0	0	135
(1)	.00	.15	.00	.30	1.63	3.27	2.38	1.49	2.97	5.50	1.49	.45	.15	.15	.15	.00	.00	20.06
(2)	.00	.01	.00	.02	.10	.21	.15	.09	.19	.35	.09	.03	.01	.01	.01	.00	.00	1.26
3.1- 4.0	0	0	0	0	4	21	18	23	51	38	6	4	0	0	0	0	0	165
(1)	.00	.00	.00	.00	.59	3.12	2.67	3.42	7.58	5.65	.89	.59	.00	.00	.00	.00	.00	24.52
(2)	.00	.00	.00	.00	.04	.20	.17	.21	.48	.36	.06	.04	.00	.00	.00	.00	.00	1.54
4.1- 5.0	0	0	0	0	0	9	25	45	71	46	1	0	0	1	0	0	0	198
(1)	.00	.00	.00	.00	.00	1.34	3.71	6.69	10.55	6.84	.15	.00	.00	.15	.00	.00	.00	29.42
(2)	.00	.00	.00	.00	.00	.08	.23	.42	.66	.43	.01	.00	.00	.01	.00	.00	.00	1.85
5.1- 6.0	0	0	0	0	0	0	4	20	23	17	0	0	0	1	0	0	0	65
(1)	.00	.00	.00	.00	.00	.00	.59	2.97	3.42	2.53	.00	.00	.00	.15	.00	.00	.00	9.66
(2)	.00	.00	.00	.00	.00	.00	.04	.19	.21	.16	.00	.00	.00	.01	.00	.00	.00	.61
6.1- 8.0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.00	.00	.00	.00	.00	.00	.00	.15
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.30	.00	.00	.59
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.04
ALL SPEEDS	0	2	4	15	29	63	73	109	173	147	28	13	5	8	4	0	0	673
(1)	.00	.30	.59	2.23	4.31	9.36	10.85	16.20	25.71	21.84	4.16	1.93	.74	1.19	.59	.00	.00	100.00
(2)	.00	.02	.04	.14	.27	.59	.68	1.02	1.62	1.37	.26	.12	.05	.07	.04	.00	.00	6.29

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Table 2.3-34—{NMPNS 100 ft (30-m) 2001-2005 Autumn JFD}

(Page 8 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01	.00	.00	.00	.03
.5- 1.0	4	1	12	6	5	8	4	9	2	5	7	5	7	3	4	2	0	84
(1)	.04	.01	.11	.06	.05	.07	.04	.08	.02	.05	.07	.05	.07	.03	.04	.02	.00	.78
(2)	.04	.01	.11	.06	.05	.07	.04	.08	.02	.05	.07	.05	.07	.03	.04	.02	.00	.78
1.1- 1.5	12	18	21	29	26	15	16	6	10	10	11	11	7	7	12	8	0	219
(1)	.11	.17	.20	.27	.24	.14	.15	.06	.09	.09	.10	.10	.07	.07	.11	.07	.00	2.05
(2)	.11	.17	.20	.27	.24	.14	.15	.06	.09	.09	.10	.10	.07	.07	.11	.07	.00	2.05
1.6- 2.0	12	16	32	41	37	30	32	25	22	18	15	16	10	21	13	16	0	356
(1)	.11	.15	.30	.38	.35	.28	.30	.23	.21	.17	.14	.15	.09	.20	.12	.15	.00	3.33
(2)	.11	.15	.30	.38	.35	.28	.30	.23	.21	.17	.14	.15	.09	.20	.12	.15	.00	3.33
2.1- 3.0	67	57	72	78	97	128	125	98	89	101	46	44	48	41	43	57	0	1191
(1)	.63	.53	.67	.73	.91	1.20	1.17	.92	.83	.94	.43	.41	.45	.38	.40	.53	.00	11.13
(2)	.63	.53	.67	.73	.91	1.20	1.17	.92	.83	.94	.43	.41	.45	.38	.40	.53	.00	11.13
3.1- 4.0	56	63	111	41	49	182	205	211	269	166	67	73	57	41	45	34	0	1670
(1)	.52	.59	1.04	.38	.46	1.70	1.92	1.97	2.51	1.55	.63	.68	.53	.38	.42	.32	.00	15.60
(2)	.52	.59	1.04	.38	.46	1.70	1.92	1.97	2.51	1.55	.63	.68	.53	.38	.42	.32	.00	15.60
4.1- 5.0	61	48	101	11	11	163	362	334	399	244	81	105	86	45	45	38	0	2134
(1)	.57	.45	.94	.10	.10	1.52	3.38	3.12	3.73	2.28	.76	.98	.80	.42	.42	.36	.00	19.94
(2)	.57	.45	.94	.10	.10	1.52	3.38	3.12	3.73	2.28	.76	.98	.80	.42	.42	.36	.00	19.94
5.1- 6.0	58	66	62	1	8	69	274	285	319	122	81	101	79	56	53	58	0	1692
(1)	.54	.62	.58	.01	.07	.64	2.56	2.66	2.98	1.14	.76	.94	.74	.52	.50	.54	.00	15.81
(2)	.54	.62	.58	.01	.07	.64	2.56	2.66	2.98	1.14	.76	.94	.74	.52	.50	.54	.00	15.81
6.1- 8.0	82	105	52	0	2	19	226	184	120	33	64	159	147	83	118	71	0	1465
(1)	.77	.98	.49	.00	.02	.18	2.11	1.72	1.12	.31	.60	1.49	1.37	.78	1.10	.66	.00	13.69
(2)	.77	.98	.49	.00	.02	.18	2.11	1.72	1.12	.31	.60	1.49	1.37	.78	1.10	.66	.00	13.69
8.1-10.0	42	41	14	0	0	10	46	57	7	3	23	92	113	121	114	77	0	760
(1)	.39	.38	.13	.00	.00	.09	.43	.53	.07	.03	.21	.86	1.06	1.13	1.07	.72	.00	7.10
(2)	.39	.38	.13	.00	.00	.09	.43	.53	.07	.03	.21	.86	1.06	1.13	1.07	.72	.00	7.10
10.1-40.3	47	26	3	0	0	6	5	20	0	0	6	132	289	291	217	86	0	1128
(1)	.44	.24	.03	.00	.00	.06	.05	.19	.00	.00	.06	1.23	2.70	2.72	2.03	.80	.00	10.54
(2)	.44	.24	.03	.00	.00	.06	.05	.19	.00	.00	.06	1.23	2.70	2.72	2.03	.80	.00	10.54
ALL SPEEDS	441	441	480	207	235	630	1295	1229	1237	703	401	738	844	710	664	447	0	10702
(1)	4.12	4.12	4.49	1.93	2.20	5.89	12.10	11.48	11.56	6.57	3.75	6.90	7.89	6.63	6.20	4.18	.00	100.00
(2)	4.12	4.12	4.49	1.93	2.20	5.89	12.10	11.48	11.56	6.57	3.75	6.90	7.89	6.63	6.20	4.18	.00	100.00

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Table 2.3-35—{NMPNS 200 ft (61-m) 2001-2005 Winter JFD}

(Page 1 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 7.55

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	1	2	0	1	0	0	1	0	0	0	0	0	0	0	1	0	7
(1)	.13	.13	.25	.00	.13	.00	.00	.13	.00	.00	.00	.00	.00	.00	.00	.13	.00	.89
(2)	.01	.01	.02	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01	.00	.07
2.1- 3.0	1	0	2	0	0	0	2	0	1	1	0	0	0	0	2	3	0	12
(1)	.13	.00	.25	.00	.00	.00	.25	.00	.13	.13	.00	.00	.00	.00	.25	.38	.00	1.53
(2)	.01	.00	.02	.00	.00	.00	.02	.00	.01	.01	.00	.00	.00	.00	.02	.03	.00	.12
3.1- 4.0	0	5	1	0	0	0	0	1	1	2	0	0	0	0	3	1	0	14
(1)	.00	.64	.13	.00	.00	.00	.00	.13	.13	.25	.00	.00	.00	.00	.38	.13	.00	1.78
(2)	.00	.05	.01	.00	.00	.00	.00	.01	.01	.02	.00	.00	.00	.00	.03	.01	.00	.13
4.1- 5.0	2	3	3	0	0	0	1	0	0	0	0	0	0	0	2	4	0	15
(1)	.25	.38	.38	.00	.00	.00	.13	.00	.00	.00	.00	.00	.00	.00	.25	.51	.00	1.91
(2)	.02	.03	.03	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.02	.04	.00	.14
5.1- 6.0	11	2	1	0	0	1	0	0	0	0	0	0	0	1	5	3	0	24
(1)	1.40	.25	.13	.00	.00	.13	.00	.00	.00	.00	.00	.00	.00	.13	.64	.38	.00	3.06
(2)	.11	.02	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01	.05	.03	.00	.23
6.1- 8.0	12	8	2	0	0	0	0	0	0	0	0	0	0	6	13	12	0	53
(1)	1.53	1.02	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.76	1.66	1.53	.00	6.75
(2)	.12	.08	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.13	.12	.00	.51
8.1-10.0	38	1	0	0	0	0	0	2	0	0	0	2	1	16	33	42	0	135
(1)	4.84	.13	.00	.00	.00	.00	.00	.25	.00	.00	.00	.25	.13	2.04	4.20	5.35	.00	17.20
(2)	.37	.01	.00	.00	.00	.00	.00	.02	.00	.00	.00	.02	.01	.15	.32	.40	.00	1.30
10.1-40.3	48	29	1	0	0	0	2	0	1	0	0	28	22	180	186	27	0	524
(1)	6.11	3.69	.13	.00	.00	.00	.25	.00	.13	.00	.00	3.57	2.80	22.93	23.69	3.44	.00	66.75
(2)	.46	.28	.01	.00	.00	.00	.02	.00	.01	.00	.00	.27	.21	1.73	1.79	.26	.00	5.04
ALL SPEEDS	113	49	12	1	1	1	5	4	3	3	0	30	23	203	244	93	0	785
(1)	14.39	6.24	1.53	.13	.13	.13	.64	.51	.38	.38	.00	3.82	2.93	25.86	31.08	11.85	.00	100.00
(2)	1.09	.47	.12	.01	.01	.01	.05	.04	.03	.03	.00	.29	.22	1.95	2.35	.89	.00	7.55

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Table 2.3-35—{NMPNS 200 ft (61-m) 2001-2005 Winter JFD}

(Page 2 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.86

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	4
(1)	.16	.00	.16	.00	.00	.00	.00	.00	.16	.00	.00	.00	.00	.00	.00	.16	.00	.66
(2)	.01	.00	.01	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01	.00	.04
2.1- 3.0	2	2	0	3	1	0	0	0	0	0	0	0	0	2	6	1	0	17
(1)	.33	.33	.00	.49	.16	.00	.00	.00	.00	.00	.00	.00	.00	.33	.99	.16	.00	2.79
(2)	.02	.02	.00	.03	.01	.00	.00	.00	.00	.00	.00	.00	.00	.02	.06	.01	.00	.16
3.1- 4.0	1	2	2	3	1	1	4	0	0	0	0	0	0	0	2	3	0	19
(1)	.16	.33	.33	.49	.16	.16	.66	.00	.00	.00	.00	.00	.00	.00	.33	.49	.00	3.12
(2)	.01	.02	.02	.03	.01	.01	.04	.00	.00	.00	.00	.00	.00	.00	.02	.03	.00	.18
4.1- 5.0	3	3	1	0	0	1	2	3	0	0	0	0	0	3	4	3	0	23
(1)	.49	.49	.16	.00	.00	.16	.33	.49	.00	.00	.00	.00	.00	.49	.66	.49	.00	3.78
(2)	.03	.03	.01	.00	.00	.01	.02	.03	.00	.00	.00	.00	.00	.03	.04	.03	.00	.22
5.1- 6.0	2	2	1	0	0	0	1	1	0	0	0	0	0	6	11	8	0	32
(1)	.33	.33	.16	.00	.00	.00	.16	.16	.00	.00	.00	.00	.00	.99	1.81	1.31	.00	5.25
(2)	.02	.02	.01	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.06	.11	.08	.00	.31
6.1- 8.0	31	11	2	0	0	1	3	0	1	0	0	2	3	18	40	17	0	129
(1)	5.09	1.81	.33	.00	.00	.16	.49	.00	.16	.00	.00	.33	.49	2.96	6.57	2.79	.00	21.18
(2)	.30	.11	.02	.00	.00	.01	.03	.00	.01	.00	.00	.02	.03	.17	.38	.16	.00	1.24
8.1-10.0	19	16	0	0	0	0	0	0	0	0	1	6	3	23	48	20	0	136
(1)	3.12	2.63	.00	.00	.00	.00	.00	.00	.00	.00	.16	.99	.49	3.78	7.88	3.28	.00	22.33
(2)	.18	.15	.00	.00	.00	.00	.00	.00	.00	.00	.01	.06	.03	.22	.46	.19	.00	1.31
10.1-40.3	13	30	3	0	0	0	1	0	0	0	0	18	20	59	85	20	0	249
(1)	2.13	4.93	.49	.00	.00	.00	.16	.00	.00	.00	.00	2.96	3.28	9.69	13.96	3.28	.00	40.89
(2)	.13	.29	.03	.00	.00	.00	.01	.00	.00	.00	.00	.17	.19	.57	.82	.19	.00	2.39
ALL SPEEDS	72	66	10	6	2	3	11	4	2	0	1	26	26	111	196	73	0	609
(1)	11.82	10.84	1.64	.99	.33	.49	1.81	.66	.33	.00	.16	4.27	4.27	18.23	32.18	11.99	.00	100.00
(2)	.69	.63	.10	.06	.02	.03	.11	.04	.02	.00	.01	.25	.25	1.07	1.88	.70	.00	5.86

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Table 2.3-35—{NMPNS 200 ft (61-m) 2001-2005 Winter JFD}

(Page 3 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.47

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13	.00	.13
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01
1.6- 2.0	1	1	0	0	1	1	0	0	1	0	1	1	0	0	0	3	0	10
(1)	.13	.13	.00	.00	.13	.13	.00	.00	.13	.00	.13	.13	.00	.00	.00	.39	.00	1.29
(2)	.01	.01	.00	.00	.01	.01	.00	.00	.01	.00	.01	.01	.00	.00	.00	.03	.00	.10
2.1- 3.0	2	4	4	3	2	0	1	1	0	0	0	0	1	2	1	4	0	25
(1)	.26	.51	.51	.39	.26	.00	.13	.13	.00	.00	.00	.00	.13	.26	.13	.51	.00	3.22
(2)	.02	.04	.04	.03	.02	.00	.01	.01	.00	.00	.00	.00	.01	.02	.01	.04	.00	.24
3.1- 4.0	4	5	10	3	0	3	3	0	1	0	0	1	2	5	2	3	0	42
(1)	.51	.64	1.29	.39	.00	.39	.39	.00	.13	.00	.00	.13	.26	.64	.26	.39	.00	5.41
(2)	.04	.05	.10	.03	.00	.03	.03	.00	.01	.00	.00	.01	.02	.05	.02	.03	.00	.40
4.1- 5.0	4	5	4	1	0	1	6	0	0	0	0	0	1	7	7	6	0	42
(1)	.51	.64	.51	.13	.00	.13	.77	.00	.00	.00	.00	.00	.13	.90	.90	.77	.00	5.41
(2)	.04	.05	.04	.01	.00	.01	.06	.00	.00	.00	.00	.00	.01	.07	.07	.06	.00	.40
5.1- 6.0	7	6	4	0	0	0	6	1	2	0	1	1	1	9	16	11	0	65
(1)	.90	.77	.51	.00	.00	.00	.77	.13	.26	.00	.13	.13	.13	1.16	2.06	1.42	.00	8.37
(2)	.07	.06	.04	.00	.00	.00	.06	.01	.02	.00	.01	.01	.01	.09	.15	.11	.00	.63
6.1- 8.0	30	24	5	0	0	1	0	3	1	0	2	3	3	14	46	33	0	165
(1)	3.86	3.09	.64	.00	.00	.13	.00	.39	.13	.00	.26	.39	.39	1.80	5.92	4.25	.00	21.24
(2)	.29	.23	.05	.00	.00	.01	.00	.03	.01	.00	.02	.03	.03	.13	.44	.32	.00	1.59
8.1-10.0	14	27	5	0	0	0	0	0	0	0	0	8	3	24	30	23	0	134
(1)	1.80	3.47	.64	.00	.00	.00	.00	.00	.00	.00	.00	1.03	.39	3.09	3.86	2.96	.00	17.25
(2)	.13	.26	.05	.00	.00	.00	.00	.00	.00	.00	.00	.08	.03	.23	.29	.22	.00	1.29
10.1-40.3	13	43	6	0	0	0	0	0	1	0	2	52	45	66	50	15	0	293
(1)	1.67	5.53	.77	.00	.00	.00	.00	.00	.13	.00	.26	6.69	5.79	8.49	6.44	1.93	.00	37.71
(2)	.13	.41	.06	.00	.00	.00	.00	.00	.01	.00	.02	.50	.43	.63	.48	.14	.00	2.82
ALL SPEEDS	75	115	38	7	3	6	16	5	6	0	6	66	56	127	152	99	0	777
(1)	9.65	14.80	4.89	.90	.39	.77	2.06	.64	.77	.00	.77	8.49	7.21	16.34	19.56	12.74	.00	100.00
(2)	.72	1.11	.37	.07	.03	.06	.15	.05	.06	.00	.06	.63	.54	1.22	1.46	.95	.00	7.47

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Table 2.3-35—{NMPNS 200 ft (61-m) 2001-2005 Winter JFD}

(Page 4 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 54.44

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.02
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01
.5- 1.0	2	1	1	2	1	0	0	0	0	2	0	2	1	2	1	0	0	15
(1)	.04	.02	.02	.04	.02	.00	.00	.00	.00	.04	.00	.04	.02	.04	.02	.00	.00	.26
(2)	.02	.01	.01	.02	.01	.00	.00	.00	.00	.02	.00	.02	.01	.02	.01	.00	.00	.14
1.1- 1.5	2	5	3	2	2	4	4	3	4	3	2	2	2	2	3	2	0	45
(1)	.04	.09	.05	.04	.04	.07	.07	.05	.07	.05	.04	.04	.04	.04	.05	.04	.00	.79
(2)	.02	.05	.03	.02	.02	.04	.04	.03	.04	.03	.02	.02	.02	.02	.03	.02	.00	.43
1.6- 2.0	5	11	8	7	7	7	14	5	2	0	3	3	1	2	5	10	0	90
(1)	.09	.19	.14	.12	.12	.12	.25	.09	.04	.00	.05	.05	.02	.04	.09	.18	.00	1.59
(2)	.05	.11	.08	.07	.07	.07	.13	.05	.02	.00	.03	.03	.01	.02	.05	.10	.00	.87
2.1- 3.0	16	27	36	30	41	36	44	35	34	10	8	7	13	11	14	20	0	382
(1)	.28	.48	.64	.53	.72	.64	.78	.62	.60	.18	.14	.12	.23	.19	.25	.35	.00	6.75
(2)	.15	.26	.35	.29	.39	.35	.42	.34	.33	.10	.08	.07	.13	.11	.13	.19	.00	3.67
3.1- 4.0	15	39	59	27	32	38	57	54	38	37	13	9	18	18	21	21	0	496
(1)	.26	.69	1.04	.48	.57	.67	1.01	.95	.67	.65	.23	.16	.32	.32	.37	.37	.00	8.76
(2)	.14	.38	.57	.26	.31	.37	.55	.52	.37	.36	.13	.09	.17	.17	.20	.20	.00	4.77
4.1- 5.0	18	31	47	11	26	69	64	75	82	76	31	18	10	24	27	32	0	641
(1)	.32	.55	.83	.19	.46	1.22	1.13	1.32	1.45	1.34	.55	.32	.18	.42	.48	.57	.00	11.32
(2)	.17	.30	.45	.11	.25	.66	.62	.72	.79	.73	.30	.17	.10	.23	.26	.31	.00	6.16
5.1- 6.0	23	68	42	6	30	55	105	76	77	145	82	23	20	30	41	32	0	855
(1)	.41	1.20	.74	.11	.53	.97	1.85	1.34	1.36	2.56	1.45	.41	.35	.53	.72	.57	.00	15.10
(2)	.22	.65	.40	.06	.29	.53	1.01	.73	.74	1.39	.79	.22	.19	.29	.39	.31	.00	8.22
6.1- 8.0	53	83	52	2	13	100	172	103	148	169	216	63	30	75	77	52	0	1408
(1)	.94	1.47	.92	.04	.23	1.77	3.04	1.82	2.61	2.99	3.82	1.11	.53	1.32	1.36	.92	.00	24.87
(2)	.51	.80	.50	.02	.13	.96	1.65	.99	1.42	1.63	2.08	.61	.29	.72	.74	.50	.00	13.54
8.1-10.0	24	43	18	0	2	25	88	69	48	14	73	83	43	64	73	31	0	698
(1)	.42	.76	.32	.00	.04	.44	1.55	1.22	.85	.25	1.29	1.47	.76	1.13	1.29	.55	.00	12.33
(2)	.23	.41	.17	.00	.02	.24	.85	.66	.46	.13	.70	.80	.41	.62	.70	.30	.00	6.71
10.1-40.3	15	30	6	0	0	10	45	24	9	1	20	269	247	249	84	21	0	1030
(1)	.26	.53	.11	.00	.00	.18	.79	.42	.16	.02	.35	4.75	4.36	4.40	1.48	.37	.00	18.19
(2)	.14	.29	.06	.00	.00	.10	.43	.23	.09	.01	.19	2.59	2.38	2.39	.81	.20	.00	9.90
ALL SPEEDS	173	338	272	87	154	344	593	444	442	457	448	479	385	477	347	221	0	5661
(1)	3.06	5.97	4.80	1.54	2.72	6.08	10.48	7.84	7.81	8.07	7.91	8.46	6.80	8.43	6.13	3.90	.00	100.00
(2)	1.66	3.25	2.62	.84	1.48	3.31	5.70	4.27	4.25	4.39	4.31	4.61	3.70	4.59	3.34	2.13	.00	54.44

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Table 2.3-35—{NMPNS 200 ft (61-m) 2001-2005 Winter JFD}

(Page 5 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 20.64

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	2	0	0	5	1	0	0	3	1	0	0	0	0	0	0	0	12
(1)	.00	.09	.00	.00	.23	.05	.00	.00	.14	.05	.00	.00	.00	.00	.00	.00	.00	.56
(2)	.00	.02	.00	.00	.05	.01	.00	.00	.03	.01	.00	.00	.00	.00	.00	.00	.00	.12
1.1- 1.5	0	2	4	6	1	3	2	2	0	3	1	1	4	1	0	0	0	30
(1)	.00	.09	.19	.28	.05	.14	.09	.09	.00	.14	.05	.05	.19	.05	.00	.00	.00	1.40
(2)	.00	.02	.04	.06	.01	.03	.02	.02	.00	.03	.01	.01	.04	.01	.00	.00	.00	.29
1.6- 2.0	1	2	3	3	6	8	3	2	4	2	0	2	2	2	0	0	0	40
(1)	.05	.09	.14	.14	.28	.37	.14	.09	.19	.09	.00	.09	.09	.09	.00	.00	.00	1.86
(2)	.01	.02	.03	.03	.06	.08	.03	.02	.04	.02	.00	.02	.02	.02	.00	.00	.00	.38
2.1- 3.0	1	3	10	8	14	6	12	11	10	3	9	10	4	3	2	3	0	109
(1)	.05	.14	.47	.37	.65	.28	.56	.51	.47	.14	.42	.47	.19	.14	.09	.14	.00	5.08
(2)	.01	.03	.10	.08	.13	.06	.12	.11	.10	.03	.09	.10	.04	.03	.02	.03	.00	1.05
3.1- 4.0	4	7	12	20	18	18	16	16	14	13	13	12	5	2	3	0	0	173
(1)	.19	.33	.56	.93	.84	.84	.75	.75	.65	.61	.61	.56	.23	.09	.14	.00	.00	8.06
(2)	.04	.07	.12	.19	.17	.17	.15	.15	.13	.13	.13	.12	.05	.02	.03	.00	.00	1.66
4.1- 5.0	1	5	6	5	11	20	35	27	28	30	13	19	7	0	3	0	0	210
(1)	.05	.23	.28	.23	.51	.93	1.63	1.26	1.30	1.40	.61	.89	.33	.00	.14	.00	.00	9.79
(2)	.01	.05	.06	.05	.11	.19	.34	.26	.27	.29	.13	.18	.07	.00	.03	.00	.00	2.02
5.1- 6.0	2	3	3	0	10	24	55	53	51	39	18	15	8	3	2	0	0	286
(1)	.09	.14	.14	.00	.47	1.12	2.56	2.47	2.38	1.82	.84	.70	.37	.14	.09	.00	.00	13.33
(2)	.02	.03	.03	.00	.10	.23	.53	.51	.49	.38	.17	.14	.08	.03	.02	.00	.00	2.75
6.1- 8.0	0	2	0	0	3	28	137	173	144	94	32	51	14	6	6	1	0	691
(1)	.00	.09	.00	.00	.14	1.30	6.38	8.06	6.71	4.38	1.49	2.38	.65	.28	.28	.05	.00	32.20
(2)	.00	.02	.00	.00	.03	.27	1.32	1.66	1.38	.90	.31	.49	.13	.06	.06	.01	.00	6.64
8.1-10.0	1	0	0	0	0	1	58	91	52	11	19	44	27	10	7	0	0	321
(1)	.05	.00	.00	.00	.00	.05	2.70	4.24	2.42	.51	.89	2.05	1.26	.47	.33	.00	.00	14.96
(2)	.01	.00	.00	.00	.00	.01	.56	.88	.50	.11	.18	.42	.26	.10	.07	.00	.00	3.09
10.1-40.3	0	0	0	0	0	0	17	32	8	1	6	81	82	45	2	0	0	274
(1)	.00	.00	.00	.00	.00	.00	.79	1.49	.37	.05	.28	3.77	3.82	2.10	.09	.00	.00	12.77
(2)	.00	.00	.00	.00	.00	.00	.16	.31	.08	.01	.06	.78	.79	.43	.02	.00	.00	2.63
ALL SPEEDS	10	26	38	42	68	109	335	407	314	197	111	235	153	72	25	4	0	2146
(1)	.47	1.21	1.77	1.96	3.17	5.08	15.61	18.97	14.63	9.18	5.17	10.95	7.13	3.36	1.16	.19	.00	100.00
(2)	.10	.25	.37	.40	.65	1.05	3.22	3.91	3.02	1.89	1.07	2.26	1.47	.69	.24	.04	.00	20.64

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Table 2.3-35—{NMPNS 200 ft (61-m) 2001-2005 Winter JFD}

(Page 6 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 2.56

WIND DIRECTION FROM

SPEED mps		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2
	(1)	.00	.00	.00	.00	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.38	.00	.75
	(2)	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.02
1.1- 1.5		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	(1)	.00	.00	.00	.00	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.38
	(2)	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.6- 2.0		0	0	0	1	1	1	0	2	0	0	1	0	1	0	0	0	0	7
	(1)	.00	.00	.00	.38	.38	.38	.00	.75	.00	.00	.38	.00	.38	.00	.00	.00	.00	2.63
	(2)	.00	.00	.00	.01	.01	.01	.00	.02	.00	.00	.01	.00	.01	.00	.00	.00	.00	.07
2.1- 3.0		0	2	2	3	2	2	1	3	6	4	4	2	0	0	0	0	0	31
	(1)	.00	.75	.75	1.13	.75	.75	.38	1.13	2.26	1.50	1.50	.75	.00	.00	.00	.00	.00	11.65
	(2)	.00	.02	.02	.03	.02	.02	.01	.03	.06	.04	.04	.02	.00	.00	.00	.00	.00	.30
3.1- 4.0		0	0	2	1	7	4	5	5	7	4	4	3	2	1	0	0	0	45
	(1)	.00	.00	.75	.38	2.63	1.50	1.88	1.88	2.63	1.50	1.50	1.13	.75	.38	.00	.00	.00	16.92
	(2)	.00	.00	.02	.01	.07	.04	.05	.05	.07	.04	.04	.03	.02	.01	.00	.00	.00	.43
4.1- 5.0		0	0	0	0	1	3	5	7	9	4	1	3	3	0	0	0	0	36
	(1)	.00	.00	.00	.00	.38	1.13	1.88	2.63	3.38	1.50	.38	1.13	1.13	.00	.00	.00	.00	13.53
	(2)	.00	.00	.00	.00	.01	.03	.05	.07	.09	.04	.01	.03	.03	.00	.00	.00	.00	.35
5.1- 6.0		1	0	0	0	1	5	10	10	7	3	2	3	1	0	0	1	0	44
	(1)	.38	.00	.00	.00	.38	1.88	3.76	3.76	2.63	1.13	.75	1.13	.38	.00	.00	.38	.00	16.54
	(2)	.01	.00	.00	.00	.01	.05	.10	.10	.07	.03	.02	.03	.01	.00	.00	.01	.00	.42
6.1- 8.0		0	0	0	0	0	4	12	19	13	4	13	6	2	0	0	0	0	73
	(1)	.00	.00	.00	.00	.00	1.50	4.51	7.14	4.89	1.50	4.89	2.26	.75	.00	.00	.00	.00	27.44
	(2)	.00	.00	.00	.00	.00	.04	.12	.18	.13	.04	.13	.06	.02	.00	.00	.00	.00	.70
8.1-10.0		0	0	0	0	0	0	0	6	1	2	0	4	3	0	0	0	0	16
	(1)	.00	.00	.00	.00	.00	.00	.00	2.26	.38	.75	.00	1.50	1.13	.00	.00	.00	.00	6.02
	(2)	.00	.00	.00	.00	.00	.00	.00	.06	.01	.02	.00	.04	.03	.00	.00	.00	.00	.15
10.1-40.3		0	0	0	0	0	0	0	0	0	0	0	8	3	0	0	0	0	11
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.01	1.13	.00	.00	.00	.00	4.14
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.03	.00	.00	.00	.00	.11
ALL SPEEDS		1	2	4	5	14	19	33	52	43	21	25	29	15	1	0	2	0	266
	(1)	.38	.75	1.50	1.88	5.26	7.14	12.41	19.55	16.17	7.89	9.40	10.90	5.64	.38	.00	.75	.00	100.00
	(2)	.01	.02	.04	.05	.13	.18	.32	.50	.41	.20	.24	.28	.14	.01	.00	.02	.00	2.56

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Table 2.3-35—{NMPNS 200 ft (61-m) 2001-2005 Winter JFD}

(Page 7 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.49

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.65	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.65
(2)	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.5- 1.0	2	1	1	0	1	1	1	0	0	1	0	0	0	0	0	0	0	8
(1)	1.29	.65	.65	.00	.65	.65	.65	.00	.00	.65	.00	.00	.00	.00	.00	.00	.00	5.16
(2)	.02	.01	.01	.00	.01	.01	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.08
1.1- 1.5	1	1	2	1	0	0	2	2	3	2	0	1	0	1	1	0	0	17
(1)	.65	.65	1.29	.65	.00	.00	1.29	1.29	1.94	1.29	.00	.65	.00	.65	.65	.00	.00	10.97
(2)	.01	.01	.02	.01	.00	.00	.02	.02	.03	.02	.00	.01	.00	.01	.01	.00	.00	.16
1.6- 2.0	0	1	2	1	4	1	1	2	1	2	0	0	0	0	0	2	0	17
(1)	.00	.65	1.29	.65	2.58	.65	.65	1.29	.65	1.29	.00	.00	.00	.00	.00	1.29	.00	10.97
(2)	.00	.01	.02	.01	.04	.01	.01	.02	.01	.02	.00	.00	.00	.00	.00	.02	.00	.16
2.1- 3.0	1	2	0	1	1	1	1	4	1	4	3	1	1	0	0	0	0	21
(1)	.65	1.29	.00	.65	.65	.65	.65	2.58	.65	2.58	1.94	.65	.65	.00	.00	.00	.00	13.55
(2)	.01	.02	.00	.01	.01	.01	.01	.04	.01	.04	.03	.01	.01	.00	.00	.00	.00	.20
3.1- 4.0	0	0	0	0	1	5	5	13	0	1	0	4	0	0	0	0	0	29
(1)	.00	.00	.00	.00	.65	3.23	3.23	8.39	.00	.65	.00	2.58	.00	.00	.00	.00	.00	18.71
(2)	.00	.00	.00	.00	.01	.05	.05	.13	.00	.01	.00	.04	.00	.00	.00	.00	.00	.28
4.1- 5.0	0	0	0	0	0	4	4	6	3	3	2	0	0	0	0	0	0	22
(1)	.00	.00	.00	.00	.00	2.58	2.58	3.87	1.94	1.94	1.29	.00	.00	.00	.00	.00	.00	14.19
(2)	.00	.00	.00	.00	.00	.04	.04	.06	.03	.03	.02	.00	.00	.00	.00	.00	.00	.21
5.1- 6.0	0	0	0	0	0	2	4	7	3	1	0	1	0	0	0	0	0	18
(1)	.00	.00	.00	.00	.00	1.29	2.58	4.52	1.94	.65	.00	.65	.00	.00	.00	.00	.00	11.61
(2)	.00	.00	.00	.00	.00	.02	.04	.07	.03	.01	.00	.01	.00	.00	.00	.00	.00	.17
6.1- 8.0	0	0	0	0	0	0	4	5	6	1	2	0	0	0	0	0	0	18
(1)	.00	.00	.00	.00	.00	.00	2.58	3.23	3.87	.65	1.29	.00	.00	.00	.00	.00	.00	11.61
(2)	.00	.00	.00	.00	.00	.00	.04	.05	.06	.01	.02	.00	.00	.00	.00	.00	.00	.17
8.1-10.0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	1.29	.00	.00	.00	.00	.00	.00	.00	.00	1.29
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.02
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.29	.00	.00	.00	.00	1.29
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.02
ALL SPEEDS	4	5	5	3	8	14	22	39	19	15	7	7	3	1	1	2	0	155
(1)	2.58	3.23	3.23	1.94	5.16	9.03	14.19	25.16	12.26	9.68	4.52	4.52	1.94	.65	.65	1.29	.00	100.00
(2)	.04	.05	.05	.03	.08	.13	.21	.38	.18	.14	.07	.07	.03	.01	.01	.02	.00	1.49

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Table 2.3-35—{NMPNS 200 ft (61-m) 2001-2005 Winter JFD}

(Page 8 of 8)

NMP WINTER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	2
(1)	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.02
(2)	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.02
.5- 1.0	4	4	2	3	8	2	1	0	3	4	0	2	1	2	1	1	0	38
(1)	.04	.04	.02	.03	.08	.02	.01	.00	.03	.04	.00	.02	.01	.02	.01	.01	.00	.37
(2)	.04	.04	.02	.03	.08	.02	.01	.00	.03	.04	.00	.02	.01	.02	.01	.01	.00	.37
1.1- 1.5	3	8	9	9	4	7	8	7	7	8	3	4	6	4	4	3	0	94
(1)	.03	.08	.09	.09	.04	.07	.08	.07	.07	.08	.03	.04	.06	.04	.04	.03	.00	.90
(2)	.03	.08	.09	.09	.04	.07	.08	.07	.07	.08	.03	.04	.06	.04	.04	.03	.00	.90
1.6- 2.0	9	16	16	12	20	18	18	12	9	4	5	6	4	4	5	17	0	175
(1)	.09	.15	.15	.12	.19	.17	.17	.12	.09	.04	.05	.06	.04	.04	.05	.16	.00	1.68
(2)	.09	.15	.15	.12	.19	.17	.17	.12	.09	.04	.05	.06	.04	.04	.05	.16	.00	1.68
2.1- 3.0	23	40	54	48	61	45	61	54	52	22	24	20	19	18	25	31	0	597
(1)	.22	.38	.52	.46	.59	.43	.59	.52	.50	.21	.23	.19	.18	.17	.24	.30	.00	5.74
(2)	.22	.38	.52	.46	.59	.43	.59	.52	.50	.21	.23	.19	.18	.17	.24	.30	.00	5.74
3.1- 4.0	24	58	86	54	59	69	90	89	61	57	30	29	27	26	31	28	0	818
(1)	.23	.56	.83	.52	.57	.66	.87	.86	.59	.55	.29	.28	.26	.25	.30	.27	.00	7.87
(2)	.23	.56	.83	.52	.57	.66	.87	.86	.59	.55	.29	.28	.26	.25	.30	.27	.00	7.87
4.1- 5.0	28	47	61	17	38	98	117	118	122	113	47	40	21	34	43	45	0	989
(1)	.27	.45	.59	.16	.37	.94	1.13	1.13	1.17	1.09	.45	.38	.20	.33	.41	.43	.00	9.51
(2)	.27	.45	.59	.16	.37	.94	1.13	1.13	1.17	1.09	.45	.38	.20	.33	.41	.43	.00	9.51
5.1- 6.0	46	81	51	6	41	87	181	148	140	188	103	43	30	49	75	55	0	1324
(1)	.44	.78	.49	.06	.39	.84	1.74	1.42	1.35	1.81	.99	.41	.29	.47	.72	.53	.00	12.73
(2)	.44	.78	.49	.06	.39	.84	1.74	1.42	1.35	1.81	.99	.41	.29	.47	.72	.53	.00	12.73
6.1- 8.0	126	128	61	2	16	134	328	303	313	268	265	125	52	119	182	115	0	2537
(1)	1.21	1.23	.59	.02	.15	1.29	3.15	2.91	3.01	2.58	2.55	1.20	.50	1.14	1.75	1.11	.00	24.40
(2)	1.21	1.23	.59	.02	.15	1.29	3.15	2.91	3.01	2.58	2.55	1.20	.50	1.14	1.75	1.11	.00	24.40
8.1-10.0	96	87	23	0	2	26	146	168	103	27	93	147	80	137	191	116	0	1442
(1)	.92	.84	.22	.00	.02	.25	1.40	1.62	.99	.26	.89	1.41	.77	1.32	1.84	1.12	.00	13.87
(2)	.92	.84	.22	.00	.02	.25	1.40	1.62	.99	.26	.89	1.41	.77	1.32	1.84	1.12	.00	13.87
10.1-40.3	89	132	16	0	0	10	65	56	19	2	28	456	421	599	407	83	0	2383
(1)	.86	1.27	.15	.00	.00	.10	.63	.54	.18	.02	.27	4.39	4.05	5.76	3.91	.80	.00	22.92
(2)	.86	1.27	.15	.00	.00	.10	.63	.54	.18	.02	.27	4.39	4.05	5.76	3.91	.80	.00	22.92
ALL SPEEDS	448	601	379	151	250	496	1015	955	829	693	598	872	661	992	965	494	0	10399
(1)	4.31	5.78	3.64	1.45	2.40	4.77	9.76	9.18	7.97	6.66	5.75	8.39	6.36	9.54	9.28	4.75	.00	100.00
(2)	4.31	5.78	3.64	1.45	2.40	4.77	9.76	9.18	7.97	6.66	5.75	8.39	6.36	9.54	9.28	4.75	.00	100.00

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Table 2.3-36—{NMPNS 200 ft (61-m) 2001-2005 Spring JFD}

(Page 1 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 5.47

WIND DIRECTION FROM

SPEED mps		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.00	.00	.17
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01
2.1- 3.0		2	1	0	0	0	0	0	0	0	0	0	0	0	1	8	5	0	17
	(1)	.34	.17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	1.35	.85	.00	2.88
	(2)	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.07	.05	.00	.16
3.1- 4.0		10	5	5	0	1	0	0	0	0	0	0	0	0	4	11	10	0	46
	(1)	1.69	.85	.85	.00	.17	.00	.00	.00	.00	.00	.00	.00	.00	.68	1.86	1.69	.00	7.78
	(2)	.09	.05	.05	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.04	.10	.09	.00	.43
4.1- 5.0		10	5	0	0	1	1	4	1	0	0	0	3	1	2	5	6	0	39
	(1)	1.69	.85	.00	.00	.17	.17	.68	.17	.00	.00	.00	.51	.17	.34	.85	1.02	.00	6.60
	(2)	.09	.05	.00	.00	.01	.01	.04	.01	.00	.00	.00	.03	.01	.02	.05	.06	.00	.36
5.1- 6.0		11	10	1	0	0	3	3	1	0	0	0	10	0	1	3	12	0	55
	(1)	1.86	1.69	.17	.00	.00	.51	.51	.17	.00	.00	.00	1.69	.00	.17	.51	2.03	.00	9.31
	(2)	.10	.09	.01	.00	.00	.03	.03	.01	.00	.00	.00	.09	.00	.01	.03	.11	.00	.51
6.1- 8.0		22	27	0	0	0	0	11	10	0	0	0	28	0	4	4	21	0	127
	(1)	3.72	4.57	.00	.00	.00	.00	1.86	1.69	.00	.00	.00	4.74	.00	.68	.68	3.55	.00	21.49
	(2)	.20	.25	.00	.00	.00	.00	.10	.09	.00	.00	.00	.26	.00	.04	.04	.19	.00	1.18
8.1-10.0		15	11	1	0	0	1	5	1	0	0	0	12	5	2	10	18	0	81
	(1)	2.54	1.86	.17	.00	.00	.17	.85	.17	.00	.00	.00	2.03	.85	.34	1.69	3.05	.00	13.71
	(2)	.14	.10	.01	.00	.00	.01	.05	.01	.00	.00	.00	.11	.05	.02	.09	.17	.00	.75
10.1-40.3		9	14	0	0	0	1	3	2	0	0	0	29	51	44	47	25	0	225
	(1)	1.52	2.37	.00	.00	.00	.17	.51	.34	.00	.00	.00	4.91	8.63	7.45	7.95	4.23	.00	38.07
	(2)	.08	.13	.00	.00	.00	.01	.03	.02	.00	.00	.00	.27	.47	.41	.44	.23	.00	2.08
ALL SPEEDS		79	73	7	0	2	6	26	15	0	0	0	82	57	58	89	97	0	591
	(1)	13.37	12.35	1.18	.00	.34	1.02	4.40	2.54	.00	.00	.00	13.87	9.64	9.81	15.06	16.41	.00	100.00
	(2)	.73	.68	.06	.00	.02	.06	.24	.14	.00	.00	.00	.76	.53	.54	.82	.90	.00	5.47

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Table 2.3-36—{NMPNS 200 ft (61-m) 2001-2005 Spring JFD}

(Page 2 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.64

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.00	.20
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.20	.20	.00	.60
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.03
2.1- 3.0	1	7	1	0	0	0	1	0	0	1	0	0	1	5	0	0	0	17
(1)	.20	1.40	.20	.00	.00	.00	.20	.00	.00	.20	.00	.00	.20	1.00	.00	.00	.00	3.39
(2)	.01	.06	.01	.00	.00	.00	.01	.00	.00	.01	.00	.00	.01	.05	.00	.00	.00	.16
3.1- 4.0	7	8	1	1	0	0	2	2	1	0	0	1	3	2	2	2	0	32
(1)	1.40	1.60	.20	.20	.00	.00	.40	.40	.20	.00	.00	.20	.60	.40	.40	.40	.00	6.39
(2)	.06	.07	.01	.01	.00	.00	.02	.02	.01	.00	.00	.01	.03	.02	.02	.02	.00	.30
4.1- 5.0	6	3	0	0	1	1	7	2	3	0	0	5	2	1	3	4	0	38
(1)	1.20	.60	.00	.00	.20	.20	1.40	.40	.60	.00	.00	1.00	.40	.20	.60	.80	.00	7.58
(2)	.06	.03	.00	.00	.01	.01	.06	.02	.03	.00	.00	.05	.02	.01	.03	.04	.00	.35
5.1- 6.0	3	1	3	0	1	2	4	5	2	0	0	17	2	2	0	6	0	48
(1)	.60	.20	.60	.00	.20	.40	.80	1.00	.40	.00	.00	3.39	.40	.40	.00	1.20	.00	9.58
(2)	.03	.01	.03	.00	.01	.02	.04	.05	.02	.00	.00	.16	.02	.02	.00	.06	.00	.44
6.1- 8.0	11	8	2	0	0	1	5	5	0	0	0	28	10	5	7	14	0	96
(1)	2.20	1.60	.40	.00	.00	.20	1.00	1.00	.00	.00	.00	5.59	2.00	1.00	1.40	2.79	.00	19.16
(2)	.10	.07	.02	.00	.00	.01	.05	.05	.00	.00	.00	.26	.09	.05	.06	.13	.00	.89
8.1-10.0	11	9	0	0	0	2	6	5	4	0	1	15	18	9	7	11	0	98
(1)	2.20	1.80	.00	.00	.00	.40	1.20	1.00	.80	.00	.20	2.99	3.59	1.80	1.40	2.20	.00	19.56
(2)	.10	.08	.00	.00	.00	.02	.06	.05	.04	.00	.01	.14	.17	.08	.06	.10	.00	.91
10.1-40.3	12	3	0	0	0	0	6	3	1	0	0	20	47	43	24	9	0	168
(1)	2.40	.60	.00	.00	.00	.00	1.20	.60	.20	.00	.00	3.99	9.38	8.58	4.79	1.80	.00	33.53
(2)	.11	.03	.00	.00	.00	.00	.06	.03	.01	.00	.00	.19	.44	.40	.22	.08	.00	1.56
ALL SPEEDS	51	39	7	1	2	6	31	22	11	1	1	86	83	68	44	48	0	501
(1)	10.18	7.78	1.40	.20	.40	1.20	6.19	4.39	2.20	.20	.20	17.17	16.57	13.57	8.78	9.58	.00	100.00
(2)	.47	.36	.06	.01	.02	.06	.29	.20	.10	.01	.01	.80	.77	.63	.41	.44	.00	4.64

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Table 2.3-36—{NMPNS 200 ft (61-m) 2001-2005 Spring JFD}

(Page 3 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 6.44

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.14
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.14	.00	.00	.00	.29
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.02
2.1- 3.0	3	5	6	1	1	1	2	1	0	0	1	1	0	2	1	1	0	26
(1)	.43	.72	.86	.14	.14	.14	.29	.14	.00	.00	.14	.14	.00	.29	.14	.14	.00	3.74
(2)	.03	.05	.06	.01	.01	.01	.02	.01	.00	.00	.01	.01	.00	.02	.01	.01	.00	.24
3.1- 4.0	5	3	6	1	0	8	3	1	2	0	1	6	10	5	2	1	0	54
(1)	.72	.43	.86	.14	.00	1.15	.43	.14	.29	.00	.14	.86	1.44	.72	.29	.14	.00	7.77
(2)	.05	.03	.06	.01	.00	.07	.03	.01	.02	.00	.01	.06	.09	.05	.02	.01	.00	.50
4.1- 5.0	5	8	3	0	0	1	3	3	6	2	0	16	4	6	5	2	0	64
(1)	.72	1.15	.43	.00	.00	.14	.43	.43	.86	.29	.00	2.30	.58	.86	.72	.29	.00	9.21
(2)	.05	.07	.03	.00	.00	.01	.03	.03	.06	.02	.00	.15	.04	.06	.05	.02	.00	.59
5.1- 6.0	7	4	3	0	1	5	4	12	3	1	0	22	14	6	6	2	0	90
(1)	1.01	.58	.43	.00	.14	.72	.58	1.73	.43	.14	.00	3.17	2.01	.86	.86	.29	.00	12.95
(2)	.06	.04	.03	.00	.01	.05	.04	.11	.03	.01	.00	.20	.13	.06	.06	.02	.00	.83
6.1- 8.0	13	13	4	0	1	5	10	15	3	0	2	34	42	24	16	10	0	192
(1)	1.87	1.87	.58	.00	.14	.72	1.44	2.16	.43	.00	.29	4.89	6.04	3.45	2.30	1.44	.00	27.63
(2)	.12	.12	.04	.00	.01	.05	.09	.14	.03	.00	.02	.31	.39	.22	.15	.09	.00	1.78
8.1-10.0	6	8	1	0	0	0	3	6	8	0	1	17	26	19	8	9	0	112
(1)	.86	1.15	.14	.00	.00	.00	.43	.86	1.15	.00	.14	2.45	3.74	2.73	1.15	1.29	.00	16.12
(2)	.06	.07	.01	.00	.00	.00	.03	.06	.07	.00	.01	.16	.24	.18	.07	.08	.00	1.04
10.1-40.3	10	6	0	0	0	0	4	4	2	0	1	33	55	17	8	14	0	154
(1)	1.44	.86	.00	.00	.00	.00	.58	.58	.29	.00	.14	4.75	7.91	2.45	1.15	2.01	.00	22.16
(2)	.09	.06	.00	.00	.00	.00	.04	.04	.02	.00	.01	.31	.51	.16	.07	.13	.00	1.43
ALL SPEEDS	49	47	23	2	3	20	29	42	24	3	6	129	152	80	46	40	0	695
(1)	7.05	6.76	3.31	.29	.43	2.88	4.17	6.04	3.45	.43	.86	18.56	21.87	11.51	6.62	5.76	.00	100.00
(2)	.45	.44	.21	.02	.03	.19	.27	.39	.22	.03	.06	1.19	1.41	.74	.43	.37	.00	6.44

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Table 2.3-36—{NMPNS 200 ft (61-m) 2001-2005 Spring JFD}

(Page 4 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 39.10

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	4	0	1	2	1	2	1	1	2	1	2	4	0	0	2	0	24
(1)	.02	.09	.00	.02	.05	.02	.05	.02	.02	.05	.02	.05	.09	.00	.00	.05	.00	.57
(2)	.01	.04	.00	.01	.02	.01	.02	.01	.01	.02	.01	.02	.04	.00	.00	.02	.00	.22
1.1- 1.5	5	1	8	6	6	2	0	3	1	2	2	0	3	4	6	5	0	54
(1)	.12	.02	.19	.14	.14	.05	.00	.07	.02	.05	.05	.00	.07	.09	.14	.12	.00	1.28
(2)	.05	.01	.07	.06	.06	.02	.00	.03	.01	.02	.02	.00	.03	.04	.06	.05	.00	.50
1.6- 2.0	9	5	7	9	9	4	8	6	3	2	5	4	8	9	5	10	0	103
(1)	.21	.12	.17	.21	.21	.09	.19	.14	.07	.05	.12	.09	.19	.21	.12	.24	.00	2.44
(2)	.08	.05	.06	.08	.08	.04	.07	.06	.03	.02	.05	.04	.07	.08	.05	.09	.00	.95
2.1- 3.0	14	34	47	23	19	9	16	15	9	10	7	26	32	7	10	23	0	301
(1)	.33	.81	1.11	.54	.45	.21	.38	.36	.21	.24	.17	.62	.76	.17	.24	.54	.00	7.13
(2)	.13	.31	.44	.21	.18	.08	.15	.14	.08	.09	.06	.24	.30	.06	.09	.21	.00	2.79
3.1- 4.0	15	27	43	23	18	11	31	16	22	12	9	48	57	27	25	9	0	393
(1)	.36	.64	1.02	.54	.43	.26	.73	.38	.52	.28	.21	1.14	1.35	.64	.59	.21	.00	9.31
(2)	.14	.25	.40	.21	.17	.10	.29	.15	.20	.11	.08	.44	.53	.25	.23	.08	.00	3.64
4.1- 5.0	15	35	31	17	17	23	47	28	22	19	16	71	67	26	20	12	0	466
(1)	.36	.83	.73	.40	.40	.54	1.11	.66	.52	.45	.38	1.68	1.59	.62	.47	.28	.00	11.04
(2)	.14	.32	.29	.16	.16	.21	.44	.26	.20	.18	.15	.66	.62	.24	.19	.11	.00	4.32
5.1- 6.0	20	26	25	6	17	43	70	54	29	21	15	92	59	28	16	16	0	537
(1)	.47	.62	.59	.14	.40	1.02	1.66	1.28	.69	.50	.36	2.18	1.40	.66	.38	.38	.00	12.72
(2)	.19	.24	.23	.06	.16	.40	.65	.50	.27	.19	.14	.85	.55	.26	.15	.15	.00	4.97
6.1- 8.0	27	70	23	0	9	75	147	99	83	50	38	143	97	55	34	34	0	984
(1)	.64	1.66	.54	.00	.21	1.78	3.48	2.35	1.97	1.18	.90	3.39	2.30	1.30	.81	.81	.00	23.31
(2)	.25	.65	.21	.00	.08	.69	1.36	.92	.77	.46	.35	1.32	.90	.51	.31	.31	.00	9.11
8.1-10.0	28	77	18	0	5	32	98	67	37	6	16	111	104	45	36	28	0	708
(1)	.66	1.82	.43	.00	.12	.76	2.32	1.59	.88	.14	.38	2.63	2.46	1.07	.85	.66	.00	16.77
(2)	.26	.71	.17	.00	.05	.30	.91	.62	.34	.06	.15	1.03	.96	.42	.33	.26	.00	6.56
10.1-40.3	44	76	11	0	0	7	49	41	17	0	4	103	190	74	22	13	0	651
(1)	1.04	1.80	.26	.00	.00	.17	1.16	.97	.40	.00	.09	2.44	4.50	1.75	.52	.31	.00	15.42
(2)	.41	.70	.10	.00	.00	.06	.45	.38	.16	.00	.04	.95	1.76	.69	.20	.12	.00	6.03
ALL SPEEDS	178	355	213	85	102	207	468	330	224	124	113	600	621	275	174	152	0	4221
(1)	4.22	8.41	5.05	2.01	2.42	4.90	11.09	7.82	5.31	2.94	2.68	14.21	14.71	6.52	4.12	3.60	.00	100.00
(2)	1.65	3.29	1.97	.79	.94	1.92	4.33	3.06	2.07	1.15	1.05	5.56	5.75	2.55	1.61	1.41	.00	39.10

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Table 2.3-36—{NMPNS 200 ft (61-m) 2001-2005 Spring JFD}

(Page 5 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 27.25

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	4	4	1	0	0	5	1	1	3	1	1	3	0	4	1	1	0	30
(1)	.14	.14	.03	.00	.00	.17	.03	.03	.10	.03	.03	.10	.00	.14	.03	.03	.00	1.02
(2)	.04	.04	.01	.00	.00	.05	.01	.01	.03	.01	.01	.03	.00	.04	.01	.01	.00	.28
1.1- 1.5	9	6	10	2	3	2	4	2	2	3	5	6	7	10	3	2	0	76
(1)	.31	.20	.34	.07	.10	.07	.14	.07	.07	.10	.17	.20	.24	.34	.10	.07	.00	2.58
(2)	.08	.06	.09	.02	.03	.02	.04	.02	.02	.03	.05	.06	.06	.09	.03	.02	.00	.70
1.6- 2.0	7	5	16	14	6	3	4	2	3	2	6	13	7	8	4	4	0	104
(1)	.24	.17	.54	.48	.20	.10	.14	.07	.10	.07	.20	.44	.24	.27	.14	.14	.00	3.54
(2)	.06	.05	.15	.13	.06	.03	.04	.02	.03	.02	.06	.12	.06	.07	.04	.04	.00	.96
2.1- 3.0	25	17	32	37	20	14	7	11	11	4	12	34	30	28	11	14	0	307
(1)	.85	.58	1.09	1.26	.68	.48	.24	.37	.37	.14	.41	1.16	1.02	.95	.37	.48	.00	10.44
(2)	.23	.16	.30	.34	.19	.13	.06	.10	.10	.04	.11	.31	.28	.26	.10	.13	.00	2.84
3.1- 4.0	19	14	33	32	27	20	13	14	11	4	29	35	41	14	15	9	0	330
(1)	.65	.48	1.12	1.09	.92	.68	.44	.48	.37	.14	.99	1.19	1.39	.48	.51	.31	.00	11.22
(2)	.18	.13	.31	.30	.25	.19	.12	.13	.10	.04	.27	.32	.38	.13	.14	.08	.00	3.06
4.1- 5.0	18	16	13	17	19	27	22	24	20	17	26	57	34	12	9	10	0	341
(1)	.61	.54	.44	.58	.65	.92	.75	.82	.68	.58	.88	1.94	1.16	.41	.31	.34	.00	11.59
(2)	.17	.15	.12	.16	.18	.25	.20	.22	.19	.16	.24	.53	.31	.11	.08	.09	.00	3.16
5.1- 6.0	8	13	17	6	4	25	58	28	33	23	19	71	42	17	4	12	0	380
(1)	.27	.44	.58	.20	.14	.85	1.97	.95	1.12	.78	.65	2.41	1.43	.58	.14	.41	.00	12.92
(2)	.07	.12	.16	.06	.04	.23	.54	.26	.31	.21	.18	.66	.39	.16	.04	.11	.00	3.52
6.1- 8.0	22	38	7	1	4	39	137	132	87	35	26	86	37	17	20	19	0	707
(1)	.75	1.29	.24	.03	.14	1.33	4.66	4.49	2.96	1.19	.88	2.92	1.26	.58	.68	.65	.00	24.03
(2)	.20	.35	.06	.01	.04	.36	1.27	1.22	.81	.32	.24	.80	.34	.16	.19	.18	.00	6.55
8.1-10.0	23	22	4	0	0	9	57	88	54	17	24	59	43	10	6	6	0	422
(1)	.78	.75	.14	.00	.00	.31	1.94	2.99	1.84	.58	.82	2.01	1.46	.34	.20	.20	.00	14.34
(2)	.21	.20	.04	.00	.00	.08	.53	.82	.50	.16	.22	.55	.40	.09	.06	.06	.00	3.91
10.1-40.3	29	51	0	0	0	0	10	17	0	2	14	58	52	9	1	2	0	245
(1)	.99	1.73	.00	.00	.00	.00	.34	.58	.00	.07	.48	1.97	1.77	.31	.03	.07	.00	8.33
(2)	.27	.47	.00	.00	.00	.00	.09	.16	.00	.02	.13	.54	.48	.08	.01	.02	.00	2.27
ALL SPEEDS	164	186	133	109	83	144	313	319	224	108	162	422	293	129	74	79	0	2942
(1)	5.57	6.32	4.52	3.70	2.82	4.89	10.64	10.84	7.61	3.67	5.51	14.34	9.96	4.38	2.52	2.69	.00	100.00
(2)	1.52	1.72	1.23	1.01	.77	1.33	2.90	2.95	2.07	1.00	1.50	3.91	2.71	1.19	.69	.73	.00	27.25

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Table 2.3-36—{NMPNS 200 ft (61-m) 2001-2005 Spring JFD}

(Page 6 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 9.57

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
(2)	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.10	.00	.00	.00	.19
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.02
.5- 1.0	2	1	0	5	2	2	1	0	2	0	2	1	1	3	2	1	0	25
(1)	.19	.10	.00	.48	.19	.19	.10	.00	.19	.00	.19	.10	.10	.29	.19	.10	.00	2.42
(2)	.02	.01	.00	.05	.02	.02	.01	.00	.02	.00	.02	.01	.01	.03	.02	.01	.00	.23
1.1- 1.5	5	2	2	8	0	3	1	2	4	3	4	1	3	1	4	3	0	46
(1)	.48	.19	.19	.77	.00	.29	.10	.19	.39	.29	.39	.10	.29	.10	.39	.29	.00	4.45
(2)	.05	.02	.02	.07	.00	.03	.01	.02	.04	.03	.04	.01	.03	.01	.04	.03	.00	.43
1.6- 2.0	5	6	10	5	2	5	1	5	1	4	5	7	7	2	5	1	0	71
(1)	.48	.58	.97	.48	.19	.48	.10	.48	.10	.39	.48	.68	.68	.19	.48	.10	.00	6.87
(2)	.05	.06	.09	.05	.02	.05	.01	.05	.01	.04	.05	.06	.06	.02	.05	.01	.00	.66
2.1- 3.0	7	9	9	10	2	3	6	3	1	10	19	25	20	12	9	7	0	152
(1)	.68	.87	.87	.97	.19	.29	.58	.29	.10	.97	1.84	2.42	1.94	1.16	.87	.68	.00	14.71
(2)	.06	.08	.08	.09	.02	.03	.06	.03	.01	.09	.18	.23	.19	.11	.08	.06	.00	1.41
3.1- 4.0	8	4	16	19	13	3	6	5	5	9	14	19	12	9	7	5	0	154
(1)	.77	.39	1.55	1.84	1.26	.29	.58	.48	.48	.87	1.36	1.84	1.16	.87	.68	.48	.00	14.91
(2)	.07	.04	.15	.18	.12	.03	.06	.05	.05	.08	.13	.18	.11	.08	.06	.05	.00	1.43
4.1- 5.0	10	8	11	17	9	7	7	4	5	11	13	16	8	8	4	9	0	147
(1)	.97	.77	1.06	1.65	.87	.68	.68	.39	.48	1.06	1.26	1.55	.77	.77	.39	.87	.00	14.23
(2)	.09	.07	.10	.16	.08	.06	.06	.04	.05	.10	.12	.15	.07	.07	.04	.08	.00	1.36
5.1- 6.0	12	7	6	1	6	7	8	10	11	7	10	15	12	2	5	5	0	124
(1)	1.16	.68	.58	.10	.58	.68	.77	.97	1.06	.68	.97	1.45	1.16	.19	.48	.48	.00	12.00
(2)	.11	.06	.06	.01	.06	.06	.07	.09	.10	.06	.09	.14	.11	.02	.05	.05	.00	1.15
6.1- 8.0	14	15	2	0	4	13	17	25	32	14	13	10	15	6	1	7	0	188
(1)	1.36	1.45	.19	.00	.39	1.26	1.65	2.42	3.10	1.36	1.26	.97	1.45	.58	.10	.68	.00	18.20
(2)	.13	.14	.02	.00	.04	.12	.16	.23	.30	.13	.12	.09	.14	.06	.01	.06	.00	1.74
8.1-10.0	12	11	1	0	0	1	7	0	4	3	1	10	10	2	0	6	0	68
(1)	1.16	1.06	.10	.00	.00	.10	.68	.00	.39	.29	.10	.97	.97	.19	.00	.58	.00	6.58
(2)	.11	.10	.01	.00	.00	.01	.06	.00	.04	.03	.01	.09	.09	.02	.00	.06	.00	.63
10.1-40.3	15	9	0	0	0	0	0	0	0	0	3	13	11	3	0	1	0	55
(1)	1.45	.87	.00	.00	.00	.00	.00	.00	.00	.00	.29	1.26	1.06	.29	.00	.10	.00	5.32
(2)	.14	.08	.00	.00	.00	.00	.00	.00	.00	.00	.03	.12	.10	.03	.00	.01	.00	.51
ALL SPEEDS	90	72	57	65	38	45	54	54	65	61	84	118	99	49	37	45	0	1033
(1)	8.71	6.97	5.52	6.29	3.68	4.36	5.23	5.23	6.29	5.91	8.13	11.42	9.58	4.74	3.58	4.36	.00	100.00
(2)	.83	.67	.53	.60	.35	.42	.50	.50	.60	.57	.78	1.09	.92	.45	.34	.42	.00	9.57

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Table 2.3-36—{NMPNS 200 ft (61-m) 2001-2005 Spring JFD}

(Page 7 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 7.53

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.00	.00	.00	.00	.12
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01
.3- .4	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.12	.00	.00	.00	.00	.00	.12	.00	.00	.00	.00	.00	.00	.25
(2)	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.02
.5- 1.0	1	2	4	5	3	0	2	2	1	3	0	1	1	2	2	1	0	30
(1)	.12	.25	.49	.62	.37	.00	.25	.25	.12	.37	.00	.12	.12	.25	.25	.12	.00	3.69
(2)	.01	.02	.04	.05	.03	.00	.02	.02	.01	.03	.00	.01	.01	.02	.02	.01	.00	.28
1.1- 1.5	4	5	2	4	2	5	2	5	4	7	2	4	3	1	1	4	0	55
(1)	.49	.62	.25	.49	.25	.62	.25	.62	.49	.86	.25	.49	.37	.12	.12	.49	.00	6.77
(2)	.04	.05	.02	.04	.02	.05	.02	.05	.04	.06	.02	.04	.03	.01	.01	.04	.00	.51
1.6- 2.0	5	3	6	5	9	4	2	4	1	4	3	5	4	3	1	8	0	67
(1)	.62	.37	.74	.62	1.11	.49	.25	.49	.12	.49	.37	.62	.49	.37	.12	.98	.00	8.24
(2)	.05	.03	.06	.05	.08	.04	.02	.04	.01	.04	.03	.05	.04	.03	.01	.07	.00	.62
2.1- 3.0	12	6	8	16	12	9	9	11	6	14	22	9	9	7	3	6	0	159
(1)	1.48	.74	.98	1.97	1.48	1.11	1.11	1.35	.74	1.72	2.71	1.11	1.11	.86	.37	.74	.00	19.56
(2)	.11	.06	.07	.15	.11	.08	.08	.10	.06	.13	.20	.08	.08	.06	.03	.06	.00	1.47
3.1- 4.0	3	6	3	3	15	6	7	10	12	13	13	18	7	3	4	4	0	127
(1)	.37	.74	.37	.37	1.85	.74	.86	1.23	1.48	1.60	1.60	2.21	.86	.37	.49	.49	.00	15.62
(2)	.03	.06	.03	.03	.14	.06	.06	.09	.11	.12	.12	.17	.06	.03	.04	.04	.00	1.18
4.1- 5.0	6	3	1	2	9	9	8	14	9	6	5	18	8	2	3	2	0	105
(1)	.74	.37	.12	.25	1.11	1.11	.98	1.72	1.11	.74	.62	2.21	.98	.25	.37	.25	.00	12.92
(2)	.06	.03	.01	.02	.08	.08	.07	.13	.08	.06	.05	.17	.07	.02	.03	.02	.00	.97
5.1- 6.0	1	3	3	0	1	8	7	11	13	7	5	8	5	3	1	2	0	78
(1)	.12	.37	.37	.00	.12	.98	.86	1.35	1.60	.86	.62	.98	.62	.37	.12	.25	.00	9.59
(2)	.01	.03	.03	.00	.01	.07	.06	.10	.12	.06	.05	.07	.05	.03	.01	.02	.00	.72
6.1- 8.0	6	12	6	0	2	11	11	13	15	2	2	7	4	4	3	5	0	103
(1)	.74	1.48	.74	.00	.25	1.35	1.35	1.60	1.85	.25	.25	.86	.49	.49	.37	.62	.00	12.67
(2)	.06	.11	.06	.00	.02	.10	.10	.12	.14	.02	.02	.06	.04	.04	.03	.05	.00	.95
8.1-10.0	13	18	2	0	0	1	0	0	0	0	0	2	1	3	5	2	0	47
(1)	1.60	2.21	.25	.00	.00	.12	.00	.00	.00	.00	.00	.25	.12	.37	.62	.25	.00	5.78
(2)	.12	.17	.02	.00	.00	.01	.00	.00	.00	.00	.00	.02	.01	.03	.05	.02	.00	.44
10.1-40.3	11	12	0	0	0	0	0	0	0	0	0	8	8	0	0	0	0	39
(1)	1.35	1.48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.98	.98	.00	.00	.00	.00	4.80
(2)	.10	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.07	.00	.00	.00	.00	.36
ALL SPEEDS	62	70	35	35	54	53	48	70	61	56	53	80	51	28	23	34	0	813
(1)	7.63	8.61	4.31	4.31	6.64	6.52	5.90	8.61	7.50	6.89	6.52	9.84	6.27	3.44	2.83	4.18	.00	100.00
(2)	.57	.65	.32	.32	.50	.49	.44	.65	.57	.52	.49	.74	.47	.26	.21	.31	.00	7.53

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Table 2.3-36—{NMPNS 200 ft (61-m) 2001-2005 Spring JFD}

(Page 8 of 8)

NMP SPRING 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.02
(2)	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.02
.3- .4	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	4
(1)	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01	.01	.00	.01	.00	.00	.00	.04
(2)	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01	.01	.00	.01	.00	.00	.00	.04
.5- 1.0	8	11	5	11	7	8	6	4	7	6	4	7	6	9	5	5	0	109
(1)	.07	.10	.05	.10	.06	.07	.06	.04	.06	.06	.04	.06	.06	.08	.05	.05	.00	1.01
(2)	.07	.10	.05	.10	.06	.07	.06	.04	.06	.06	.04	.06	.06	.08	.05	.05	.00	1.01
1.1- 1.5	23	14	22	20	11	12	7	12	11	15	13	11	16	16	14	16	0	233
(1)	.21	.13	.20	.19	.10	.11	.06	.11	.10	.14	.12	.10	.15	.15	.13	.15	.00	2.16
(2)	.21	.13	.20	.19	.10	.11	.06	.11	.10	.14	.12	.10	.15	.15	.13	.15	.00	2.16
1.6- 2.0	26	19	39	33	26	16	15	17	8	12	19	29	27	24	17	24	0	351
(1)	.24	.18	.36	.31	.24	.15	.14	.16	.07	.11	.18	.27	.25	.22	.16	.22	.00	3.25
(2)	.24	.18	.36	.31	.24	.15	.14	.16	.07	.11	.18	.27	.25	.22	.16	.22	.00	3.25
2.1- 3.0	64	79	103	87	54	36	41	41	27	39	61	95	92	62	42	56	0	979
(1)	.59	.73	.95	.81	.50	.33	.38	.38	.25	.36	.57	.88	.85	.57	.39	.52	.00	9.07
(2)	.59	.73	.95	.81	.50	.33	.38	.38	.25	.36	.57	.88	.85	.57	.39	.52	.00	9.07
3.1- 4.0	67	67	107	79	74	48	62	48	53	38	66	127	130	64	66	40	0	1136
(1)	.62	.62	.99	.73	.69	.44	.57	.44	.49	.35	.61	1.18	1.20	.59	.61	.37	.00	10.52
(2)	.62	.62	.99	.73	.69	.44	.57	.44	.49	.35	.61	1.18	1.20	.59	.61	.37	.00	10.52
4.1- 5.0	70	78	59	53	56	69	98	76	65	55	60	186	124	57	49	45	0	1200
(1)	.65	.72	.55	.49	.52	.64	.91	.70	.60	.51	.56	1.72	1.15	.53	.45	.42	.00	11.12
(2)	.65	.72	.55	.49	.52	.64	.91	.70	.60	.51	.56	1.72	1.15	.53	.45	.42	.00	11.12
5.1- 6.0	62	64	58	13	30	93	154	121	91	59	49	235	134	59	35	55	0	1312
(1)	.57	.59	.54	.12	.28	.86	1.43	1.12	.84	.55	.45	2.18	1.24	.55	.32	.51	.00	12.15
(2)	.57	.59	.54	.12	.28	.86	1.43	1.12	.84	.55	.45	2.18	1.24	.55	.32	.51	.00	12.15
6.1- 8.0	115	183	44	1	20	144	338	299	220	101	81	336	205	115	85	110	0	2397
(1)	1.07	1.70	.41	.01	.19	1.33	3.13	2.77	2.04	.94	.75	3.11	1.90	1.07	.79	1.02	.00	22.20
(2)	1.07	1.70	.41	.01	.19	1.33	3.13	2.77	2.04	.94	.75	3.11	1.90	1.07	.79	1.02	.00	22.20
8.1-10.0	108	156	27	0	5	46	176	167	107	26	43	226	207	90	72	80	0	1536
(1)	1.00	1.44	.25	.00	.05	.43	1.63	1.55	.99	.24	.40	2.09	1.92	.83	.67	.74	.00	14.23
(2)	1.00	1.44	.25	.00	.05	.43	1.63	1.55	.99	.24	.40	2.09	1.92	.83	.67	.74	.00	14.23
10.1-40.3	130	171	11	0	0	8	72	67	20	2	22	264	414	190	102	64	0	1537
(1)	1.20	1.58	.10	.00	.00	.07	.67	.62	.19	.02	.20	2.45	3.83	1.76	.94	.59	.00	14.24
(2)	1.20	1.58	.10	.00	.00	.07	.67	.62	.19	.02	.20	2.45	3.83	1.76	.94	.59	.00	14.24
ALL SPEEDS	673	842	475	297	284	481	969	852	609	353	419	1517	1356	687	487	495	0	10796
(1)	6.23	7.80	4.40	2.75	2.63	4.46	8.98	7.89	5.64	3.27	3.88	14.05	12.56	6.36	4.51	4.59	.00	100.00
(2)	6.23	7.80	4.40	2.75	2.63	4.46	8.98	7.89	5.64	3.27	3.88	14.05	12.56	6.36	4.51	4.59	.00	100.00

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Table 2.3-37—{NMPNS 200 ft (61-m) 2001-2005 Summer JFD}

(Page 1 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 9.55

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.10
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01
1.6- 2.0	2	0	0	0	0	0	0	0	0	1	1	0	2	4	6	10	0	26
(1)	.19	.00	.00	.00	.00	.00	.00	.00	.00	.10	.10	.00	.19	.38	.57	.95	.00	2.48
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.02	.04	.05	.09	.00	.24
2.1- 3.0	18	10	3	0	1	1	4	1	0	0	0	1	4	29	37	49	0	158
(1)	1.72	.95	.29	.00	.10	.10	.38	.10	.00	.00	.00	.10	.38	2.77	3.53	4.68	.00	15.08
(2)	.16	.09	.03	.00	.01	.01	.04	.01	.00	.00	.00	.01	.04	.26	.34	.45	.00	1.44
3.1- 4.0	23	11	2	0	0	0	0	1	1	0	3	9	16	31	24	34	0	155
(1)	2.19	1.05	.19	.00	.00	.00	.00	.10	.10	.00	.29	.86	1.53	2.96	2.29	3.24	.00	14.79
(2)	.21	.10	.02	.00	.00	.00	.00	.01	.01	.00	.03	.08	.15	.28	.22	.31	.00	1.41
4.1- 5.0	17	11	0	0	0	1	3	2	7	2	1	48	13	24	27	28	0	184
(1)	1.62	1.05	.00	.00	.00	.10	.29	.19	.67	.19	.10	4.58	1.24	2.29	2.58	2.67	.00	17.56
(2)	.15	.10	.00	.00	.00	.01	.03	.02	.06	.02	.01	.44	.12	.22	.25	.26	.00	1.68
5.1- 6.0	10	11	0	0	0	0	3	2	2	1	0	79	14	14	15	21	0	172
(1)	.95	1.05	.00	.00	.00	.00	.29	.19	.19	.10	.00	7.54	1.34	1.34	1.43	2.00	.00	16.41
(2)	.09	.10	.00	.00	.00	.00	.03	.02	.02	.01	.00	.72	.13	.13	.14	.19	.00	1.57
6.1- 8.0	25	7	1	0	0	0	4	2	4	0	0	102	12	18	10	22	0	207
(1)	2.39	.67	.10	.00	.00	.00	.38	.19	.38	.00	.00	9.73	1.15	1.72	.95	2.10	.00	19.75
(2)	.23	.06	.01	.00	.00	.00	.04	.02	.04	.00	.00	.93	.11	.16	.09	.20	.00	1.89
8.1-10.0	27	12	1	0	0	0	1	0	0	0	0	49	8	6	4	5	0	113
(1)	2.58	1.15	.10	.00	.00	.00	.10	.00	.00	.00	.00	4.68	.76	.57	.38	.48	.00	10.78
(2)	.25	.11	.01	.00	.00	.00	.01	.00	.00	.00	.00	.45	.07	.05	.04	.05	.00	1.03
10.1-40.3	5	3	0	0	0	0	0	0	0	0	0	6	16	0	0	2	0	32
(1)	.48	.29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	1.53	.00	.00	.19	.00	3.05
(2)	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.15	.00	.00	.02	.00	.29
ALL SPEEDS	127	65	7	0	1	2	15	8	14	4	5	294	85	126	124	171	0	1048
(1)	12.12	6.20	.67	.00	.10	.19	1.43	.76	1.34	.38	.48	28.05	8.11	12.02	11.83	16.32	.00	100.00
(2)	1.16	.59	.06	.00	.01	.02	.14	.07	.13	.04	.05	2.68	.77	1.15	1.13	1.56	.00	9.55

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Table 2.3-37—{NMPNS 200 ft (61-m) 2001-2005 Summer JFD}

(Page 2 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.25

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21
(2)	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.6- 2.0	1	0	0	0	1	0	1	0	0	1	0	1	2	1	1	1	0	10
(1)	.21	.00	.00	.00	.21	.00	.21	.00	.00	.21	.00	.21	.43	.21	.21	.21	.00	2.15
(2)	.01	.00	.00	.00	.01	.00	.01	.00	.00	.01	.00	.01	.02	.01	.01	.01	.00	.09
2.1- 3.0	8	6	3	1	0	0	3	4	4	3	2	2	8	11	6	10	0	71
(1)	1.72	1.29	.64	.21	.00	.00	.64	.86	.86	.64	.43	.43	1.72	2.36	1.29	2.15	.00	15.24
(2)	.07	.05	.03	.01	.00	.00	.03	.04	.04	.03	.02	.02	.07	.10	.05	.09	.00	.65
3.1- 4.0	4	5	4	0	1	0	5	9	2	2	1	8	19	10	2	1	0	73
(1)	.86	1.07	.86	.00	.21	.00	1.07	1.93	.43	.43	.21	1.72	4.08	2.15	.43	.21	.00	15.67
(2)	.04	.05	.04	.00	.01	.00	.05	.08	.02	.02	.01	.07	.17	.09	.02	.01	.00	.67
4.1- 5.0	4	5	2	0	0	1	4	4	2	6	0	17	32	6	5	1	0	89
(1)	.86	1.07	.43	.00	.00	.21	.86	.86	.43	1.29	.00	3.65	6.87	1.29	1.07	.21	.00	19.10
(2)	.04	.05	.02	.00	.00	.01	.04	.04	.02	.05	.00	.15	.29	.05	.05	.01	.00	.81
5.1- 6.0	4	4	0	0	0	0	4	4	3	4	0	13	16	2	2	1	0	57
(1)	.86	.86	.00	.00	.00	.00	.86	.86	.64	.86	.00	2.79	3.43	.43	.43	.21	.00	12.23
(2)	.04	.04	.00	.00	.00	.00	.04	.04	.03	.04	.00	.12	.15	.02	.02	.01	.00	.52
6.1- 8.0	7	5	1	0	0	1	4	12	6	0	0	35	16	5	4	1	0	97
(1)	1.50	1.07	.21	.00	.00	.21	.86	2.58	1.29	.00	.00	7.51	3.43	1.07	.86	.21	.00	20.82
(2)	.06	.05	.01	.00	.00	.01	.04	.11	.05	.00	.00	.32	.15	.05	.04	.01	.00	.88
8.1-10.0	4	2	0	0	0	0	0	1	0	0	0	13	16	7	2	0	0	45
(1)	.86	.43	.00	.00	.00	.00	.00	.21	.00	.00	.00	2.79	3.43	1.50	.43	.00	.00	9.66
(2)	.04	.02	.00	.00	.00	.00	.00	.01	.00	.00	.00	.12	.15	.06	.02	.00	.00	.41
10.1-40.3	2	1	0	0	0	0	0	0	0	0	0	5	13	1	0	1	0	23
(1)	.43	.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.07	2.79	.21	.00	.21	.00	4.94
(2)	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.12	.01	.00	.01	.00	.21
ALL SPEEDS	34	29	10	1	2	2	21	34	17	16	3	94	122	43	22	16	0	466
(1)	7.30	6.22	2.15	.21	.43	.43	4.51	7.30	3.65	3.43	.64	20.17	26.18	9.23	4.72	3.43	.00	100.00
(2)	.31	.26	.09	.01	.02	.02	.19	.31	.15	.15	.03	.86	1.11	.39	.20	.15	.00	4.25

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Table 2.3-37—{NMPNS 200 ft (61-m) 2001-2005 Summer JFD}

(Page 3 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.02

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	1	1	3	1	1	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.18	.54	.18	.18	.00	.00	1.27
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.03	.01	.01	.00	.00	.06
1.6- 2.0	3	2	0	0	0	2	0	0	1	0	1	1	2	4	2	0	0	18
(1)	.54	.36	.00	.00	.00	.36	.00	.00	.18	.00	.18	.18	.36	.73	.36	.00	.00	3.27
(2)	.03	.02	.00	.00	.00	.02	.00	.00	.01	.00	.01	.01	.02	.04	.02	.00	.00	.16
2.1- 3.0	4	11	8	2	1	4	4	2	10	2	3	3	9	6	7	4	0	80
(1)	.73	2.00	1.45	.36	.18	.73	.73	.36	1.81	.36	.54	.54	1.63	1.09	1.27	.73	.00	14.52
(2)	.04	.10	.07	.02	.01	.04	.04	.02	.09	.02	.03	.03	.08	.05	.06	.04	.00	.73
3.1- 4.0	0	6	3	1	1	4	2	7	9	1	3	10	18	5	7	2	0	79
(1)	.00	1.09	.54	.18	.18	.73	.36	1.27	1.63	.18	.54	1.81	3.27	.91	1.27	.36	.00	14.34
(2)	.00	.05	.03	.01	.01	.04	.02	.06	.08	.01	.03	.09	.16	.05	.06	.02	.00	.72
4.1- 5.0	2	4	3	0	0	0	4	1	8	6	2	12	21	4	4	4	0	75
(1)	.36	.73	.54	.00	.00	.00	.73	.18	1.45	1.09	.36	2.18	3.81	.73	.73	.73	.00	13.61
(2)	.02	.04	.03	.00	.00	.00	.04	.01	.07	.05	.02	.11	.19	.04	.04	.04	.00	.68
5.1- 6.0	8	6	0	0	1	0	9	5	9	9	0	15	22	5	2	2	0	93
(1)	1.45	1.09	.00	.00	.18	.00	1.63	.91	1.63	1.63	.00	2.72	3.99	.91	.36	.36	.00	16.88
(2)	.07	.05	.00	.00	.01	.00	.08	.05	.08	.08	.00	.14	.20	.05	.02	.02	.00	.85
6.1- 8.0	5	4	0	0	0	0	3	5	2	5	0	30	19	7	6	3	0	89
(1)	.91	.73	.00	.00	.00	.00	.54	.91	.36	.91	.00	5.44	3.45	1.27	1.09	.54	.00	16.15
(2)	.05	.04	.00	.00	.00	.00	.03	.05	.02	.05	.00	.27	.17	.06	.05	.03	.00	.81
8.1-10.0	7	2	1	0	0	1	2	1	0	0	0	15	37	11	1	2	0	80
(1)	1.27	.36	.18	.00	.00	.18	.36	.18	.00	.00	.00	2.72	6.72	2.00	.18	.36	.00	14.52
(2)	.06	.02	.01	.00	.00	.01	.02	.01	.00	.00	.00	.14	.34	.10	.01	.02	.00	.73
10.1-40.3	4	3	0	0	0	0	0	0	0	0	0	3	13	7	0	0	0	30
(1)	.73	.54	.00	.00	.00	.00	.00	.00	.00	.00	.00	.54	2.36	1.27	.00	.00	.00	5.44
(2)	.04	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.12	.06	.00	.00	.00	.27
ALL SPEEDS	33	38	15	3	3	11	24	21	39	23	10	90	144	50	30	17	0	551
(1)	5.99	6.90	2.72	.54	.54	2.00	4.36	3.81	7.08	4.17	1.81	16.33	26.13	9.07	5.44	3.09	.00	100.00
(2)	.30	.35	.14	.03	.03	.10	.22	.19	.36	.21	.09	.82	1.31	.46	.27	.15	.00	5.02

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Table 2.3-37—{NMPNS 200 ft (61-m) 2001-2005 Summer JFD}

(Page 4 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 29.97

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	6	1	1	1	2	1	0	1	1	2	1	0	3	4	0	0	27
(1)	.09	.18	.03	.03	.03	.06	.03	.00	.03	.03	.06	.03	.00	.09	.12	.00	.00	.82
(2)	.03	.05	.01	.01	.01	.02	.01	.00	.01	.01	.02	.01	.00	.03	.04	.00	.00	.25
1.1- 1.5	7	8	10	5	2	6	2	3	4	6	4	8	7	7	5	9	0	93
(1)	.21	.24	.30	.15	.06	.18	.06	.09	.12	.18	.12	.24	.21	.21	.15	.27	.00	2.83
(2)	.06	.07	.09	.05	.02	.05	.02	.03	.04	.05	.04	.07	.06	.06	.05	.08	.00	.85
1.6- 2.0	9	18	13	8	4	3	4	5	2	8	5	6	16	11	8	12	0	132
(1)	.27	.55	.40	.24	.12	.09	.12	.15	.06	.24	.15	.18	.49	.33	.24	.36	.00	4.01
(2)	.08	.16	.12	.07	.04	.03	.04	.05	.02	.07	.05	.05	.15	.10	.07	.11	.00	1.20
2.1- 3.0	27	29	30	22	16	15	15	16	21	17	16	21	59	35	22	17	0	378
(1)	.82	.88	.91	.67	.49	.46	.46	.49	.64	.52	.49	.64	1.79	1.06	.67	.52	.00	11.49
(2)	.25	.26	.27	.20	.15	.14	.14	.15	.19	.15	.15	.19	.54	.32	.20	.15	.00	3.44
3.1- 4.0	13	17	16	2	4	15	15	36	33	28	12	42	78	18	19	11	0	359
(1)	.40	.52	.49	.06	.12	.46	.46	1.09	1.00	.85	.36	1.28	2.37	.55	.58	.33	.00	10.92
(2)	.12	.15	.15	.02	.04	.14	.14	.33	.30	.26	.11	.38	.71	.16	.17	.10	.00	3.27
4.1- 5.0	15	36	28	4	4	6	31	41	33	39	15	71	69	29	19	12	0	452
(1)	.46	1.09	.85	.12	.12	.18	.94	1.25	1.00	1.19	.46	2.16	2.10	.88	.58	.36	.00	13.74
(2)	.14	.33	.26	.04	.04	.05	.28	.37	.30	.36	.14	.65	.63	.26	.17	.11	.00	4.12
5.1- 6.0	32	33	22	0	4	20	38	32	60	31	21	85	74	24	12	14	0	502
(1)	.97	1.00	.67	.00	.12	.61	1.16	.97	1.82	.94	.64	2.58	2.25	.73	.36	.43	.00	15.26
(2)	.29	.30	.20	.00	.04	.18	.35	.29	.55	.28	.19	.77	.67	.22	.11	.13	.00	4.57
6.1- 8.0	29	40	27	1	1	21	50	47	63	26	30	192	116	46	28	21	0	738
(1)	.88	1.22	.82	.03	.03	.64	1.52	1.43	1.92	.79	.91	5.84	3.53	1.40	.85	.64	.00	22.44
(2)	.26	.36	.25	.01	.01	.19	.46	.43	.57	.24	.27	1.75	1.06	.42	.26	.19	.00	6.73
8.1-10.0	26	41	7	0	0	9	24	21	15	3	7	98	105	37	22	8	0	423
(1)	.79	1.25	.21	.00	.00	.27	.73	.64	.46	.09	.21	2.98	3.19	1.12	.67	.24	.00	12.86
(2)	.24	.37	.06	.00	.00	.08	.22	.19	.14	.03	.06	.89	.96	.34	.20	.07	.00	3.85
10.1-40.3	22	27	3	1	0	0	3	0	1	0	0	24	65	23	8	8	0	185
(1)	.67	.82	.09	.03	.00	.00	.09	.00	.03	.00	.00	.73	1.98	.70	.24	.24	.00	5.62
(2)	.20	.25	.03	.01	.00	.00	.03	.00	.01	.00	.00	.22	.59	.21	.07	.07	.00	1.69
ALL SPEEDS	183	255	157	44	36	97	183	201	233	159	112	548	589	233	147	112	0	3289
(1)	5.56	7.75	4.77	1.34	1.09	2.95	5.56	6.11	7.08	4.83	3.41	16.66	17.91	7.08	4.47	3.41	.00	100.00
(2)	1.67	2.32	1.43	.40	.33	.88	1.67	1.83	2.12	1.45	1.02	4.99	5.37	2.12	1.34	1.02	.00	29.97

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Table 2.3-37—{NMPNS 200 ft (61-m) 2001-2005 Summer JFD}

(Page 5 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 29.29

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.5- 1.0	3	2	3	2	1	0	2	3	2	3	3	3	2	1	2	2	0	34
(1)	.09	.06	.09	.06	.03	.00	.06	.09	.06	.09	.09	.09	.06	.03	.06	.06	.00	1.06
(2)	.03	.02	.03	.02	.01	.00	.02	.03	.02	.03	.03	.03	.02	.01	.02	.02	.00	.31
1.1- 1.5	6	7	5	5	5	1	6	4	0	3	10	5	8	6	2	6	0	79
(1)	.19	.22	.16	.16	.16	.03	.19	.12	.00	.09	.31	.16	.25	.19	.06	.19	.00	2.46
(2)	.05	.06	.05	.05	.05	.01	.05	.04	.00	.03	.09	.05	.07	.05	.02	.05	.00	.72
1.6- 2.0	7	11	11	23	6	3	3	2	4	4	8	11	8	8	9	3	0	121
(1)	.22	.34	.34	.72	.19	.09	.09	.06	.12	.12	.25	.34	.25	.25	.28	.09	.00	3.76
(2)	.06	.10	.10	.21	.05	.03	.03	.02	.04	.04	.07	.10	.07	.07	.08	.03	.00	1.10
2.1- 3.0	21	22	35	31	27	16	10	15	11	9	28	40	45	22	9	21	0	362
(1)	.65	.68	1.09	.96	.84	.50	.31	.47	.34	.28	.87	1.24	1.40	.68	.28	.65	.00	11.26
(2)	.19	.20	.32	.28	.25	.15	.09	.14	.10	.08	.26	.36	.41	.20	.08	.19	.00	3.30
3.1- 4.0	17	15	28	18	16	12	18	24	20	17	33	64	42	21	9	10	0	364
(1)	.53	.47	.87	.56	.50	.37	.56	.75	.62	.53	1.03	1.99	1.31	.65	.28	.31	.00	11.33
(2)	.15	.14	.26	.16	.15	.11	.16	.22	.18	.15	.30	.58	.38	.19	.08	.09	.00	3.32
4.1- 5.0	14	22	11	9	12	10	44	30	28	27	40	86	49	11	6	9	0	408
(1)	.44	.68	.34	.28	.37	.31	1.37	.93	.87	.84	1.24	2.68	1.52	.34	.19	.28	.00	12.69
(2)	.13	.20	.10	.08	.11	.09	.40	.27	.26	.25	.36	.78	.45	.10	.05	.08	.00	3.72
5.1- 6.0	15	9	10	5	4	9	47	46	60	63	52	115	33	10	6	1	0	485
(1)	.47	.28	.31	.16	.12	.28	1.46	1.43	1.87	1.96	1.62	3.58	1.03	.31	.19	.03	.00	15.09
(2)	.14	.08	.09	.05	.04	.08	.43	.42	.55	.57	.47	1.05	.30	.09	.05	.01	.00	4.42
6.1- 8.0	14	16	12	0	3	18	109	118	232	121	83	184	56	10	8	5	0	989
(1)	.44	.50	.37	.00	.09	.56	3.39	3.67	7.22	3.76	2.58	5.72	1.74	.31	.25	.16	.00	30.77
(2)	.13	.15	.11	.00	.03	.16	.99	1.08	2.11	1.10	.76	1.68	.51	.09	.07	.05	.00	9.01
8.1-10.0	7	6	2	0	0	6	33	65	44	10	10	65	33	11	5	0	0	297
(1)	.22	.19	.06	.00	.00	.19	1.03	2.02	1.37	.31	.31	2.02	1.03	.34	.16	.00	.00	9.24
(2)	.06	.05	.02	.00	.00	.05	.30	.59	.40	.09	.09	.59	.30	.10	.05	.00	.00	2.71
10.1-40.3	2	4	1	0	0	0	9	4	0	0	0	27	23	2	2	0	0	74
(1)	.06	.12	.03	.00	.00	.00	.28	.12	.00	.00	.00	.84	.72	.06	.06	.00	.00	2.30
(2)	.02	.04	.01	.00	.00	.00	.08	.04	.00	.00	.00	.25	.21	.02	.02	.00	.00	.67
ALL SPEEDS	106	114	118	93	74	75	282	311	401	257	267	600	299	102	58	57	0	3214
(1)	3.30	3.55	3.67	2.89	2.30	2.33	8.77	9.68	12.48	8.00	8.31	18.67	9.30	3.17	1.80	1.77	.00	100.00
(2)	.97	1.04	1.08	.85	.67	.68	2.57	2.83	3.65	2.34	2.43	5.47	2.72	.93	.53	.52	.00	29.29

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Table 2.3-37—{NMPNS 200 ft (61-m) 2001-2005 Summer JFD}

(Page 6 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 11.19

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
(2)	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	4	4	2	2	1	1	1	0	1	0	3	3	3	3	0	1	0	29
(1)	.33	.33	.16	.16	.08	.08	.08	.00	.08	.00	.24	.24	.24	.24	.00	.08	.00	2.36
(2)	.04	.04	.02	.02	.01	.01	.01	.00	.01	.00	.03	.03	.03	.03	.00	.01	.00	.26
1.1- 1.5	2	3	7	4	4	3	2	4	0	4	7	7	9	2	0	2	0	60
(1)	.16	.24	.57	.33	.33	.24	.16	.33	.00	.33	.57	.57	.73	.16	.00	.16	.00	4.89
(2)	.02	.03	.06	.04	.04	.03	.02	.04	.00	.04	.06	.06	.08	.02	.00	.02	.00	.55
1.6- 2.0	1	4	6	2	6	5	1	3	3	6	2	7	4	4	4	1	0	59
(1)	.08	.33	.49	.16	.49	.41	.08	.24	.24	.49	.16	.57	.33	.33	.33	.08	.00	4.80
(2)	.01	.04	.05	.02	.05	.05	.01	.03	.03	.05	.02	.06	.04	.04	.04	.01	.00	.54
2.1- 3.0	6	5	10	14	18	12	8	7	8	8	12	31	15	10	4	3	0	171
(1)	.49	.41	.81	1.14	1.47	.98	.65	.57	.65	.65	.98	2.52	1.22	.81	.33	.24	.00	13.93
(2)	.05	.05	.09	.13	.16	.11	.07	.06	.07	.07	.11	.28	.14	.09	.04	.03	.00	1.56
3.1- 4.0	2	4	2	8	19	9	4	10	10	13	28	40	14	6	1	4	0	174
(1)	.16	.33	.16	.65	1.55	.73	.33	.81	.81	1.06	2.28	3.26	1.14	.49	.08	.33	.00	14.17
(2)	.02	.04	.02	.07	.17	.08	.04	.09	.09	.12	.26	.36	.13	.05	.01	.04	.00	1.59
4.1- 5.0	3	0	3	2	9	12	6	12	11	8	22	40	17	3	1	2	0	151
(1)	.24	.00	.24	.16	.73	.98	.49	.98	.90	.65	1.79	3.26	1.38	.24	.08	.16	.00	12.30
(2)	.03	.00	.03	.02	.08	.11	.05	.11	.10	.07	.20	.36	.15	.03	.01	.02	.00	1.38
5.1- 6.0	5	0	1	0	8	10	8	15	18	24	37	37	9	2	0	0	0	174
(1)	.41	.00	.08	.00	.65	.81	.65	1.22	1.47	1.95	3.01	3.01	.73	.16	.00	.00	.00	14.17
(2)	.05	.00	.01	.00	.07	.09	.07	.14	.16	.22	.34	.34	.08	.02	.00	.00	.00	1.59
6.1- 8.0	4	5	3	0	1	11	22	70	52	82	48	31	8	3	1	2	0	343
(1)	.33	.41	.24	.00	.08	.90	1.79	5.70	4.23	6.68	3.91	2.52	.65	.24	.08	.16	.00	27.93
(2)	.04	.05	.03	.00	.01	.10	.20	.64	.47	.75	.44	.28	.07	.03	.01	.02	.00	3.13
8.1-10.0	2	5	0	0	0	0	3	7	8	10	1	6	8	2	0	1	0	53
(1)	.16	.41	.00	.00	.00	.00	.24	.57	.65	.81	.08	.49	.65	.16	.00	.08	.00	4.32
(2)	.02	.05	.00	.00	.00	.00	.03	.06	.07	.09	.01	.05	.07	.02	.00	.01	.00	.48
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	7	3	1	1	0	0	13
(1)	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	.24	.08	.08	.00	.00	1.06
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.03	.01	.01	.00	.00	.12
ALL SPEEDS	30	30	34	32	67	63	55	128	111	155	160	209	90	36	12	16	0	1228
(1)	2.44	2.44	2.77	2.61	5.46	5.13	4.48	10.42	9.04	12.62	13.03	17.02	7.33	2.93	.98	1.30	.00	100.00
(2)	.27	.27	.31	.29	.61	.57	.50	1.17	1.01	1.41	1.46	1.90	.82	.33	.11	.15	.00	11.19

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Table 2.3-37—{NMPNS 200 ft (61-m) 2001-2005 Summer JFD}

(Page 7 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 10.73

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00	.08	.00	.00	.00	.17
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01	.00	.00	.00	.02
.5- 1.0	2	3	2	4	5	5	2	6	2	7	2	3	2	1	4	2	0	52
(1)	.17	.25	.17	.34	.42	.42	.17	.51	.17	.59	.17	.25	.17	.08	.34	.17	.00	4.42
(2)	.02	.03	.02	.04	.05	.05	.02	.05	.02	.06	.02	.03	.02	.01	.04	.02	.00	.47
1.1- 1.5	1	5	5	7	4	3	3	4	9	7	8	8	4	4	2	4	0	78
(1)	.08	.42	.42	.59	.34	.25	.25	.34	.76	.59	.68	.68	.34	.34	.17	.34	.00	6.63
(2)	.01	.05	.05	.06	.04	.03	.03	.04	.08	.06	.07	.07	.04	.04	.02	.04	.00	.71
1.6- 2.0	4	3	11	8	3	6	1	6	7	6	9	11	7	2	1	3	0	88
(1)	.34	.25	.93	.68	.25	.51	.08	.51	.59	.51	.76	.93	.59	.17	.08	.25	.00	7.48
(2)	.04	.03	.10	.07	.03	.05	.01	.05	.06	.05	.08	.10	.06	.02	.01	.03	.00	.80
2.1- 3.0	4	5	13	22	30	7	12	13	16	21	31	32	11	9	5	1	0	232
(1)	.34	.42	1.10	1.87	2.55	.59	1.02	1.10	1.36	1.78	2.63	2.72	.93	.76	.42	.08	.00	19.71
(2)	.04	.05	.12	.20	.27	.06	.11	.12	.15	.19	.28	.29	.10	.08	.05	.01	.00	2.11
3.1- 4.0	1	1	3	7	12	10	16	14	21	24	33	30	6	2	1	1	0	182
(1)	.08	.08	.25	.59	1.02	.85	1.36	1.19	1.78	2.04	2.80	2.55	.51	.17	.08	.08	.00	15.46
(2)	.01	.01	.03	.06	.11	.09	.15	.13	.19	.22	.30	.27	.05	.02	.01	.01	.00	1.66
4.1- 5.0	0	1	0	3	6	13	18	23	23	23	35	20	3	1	0	0	0	169
(1)	.00	.08	.00	.25	.51	1.10	1.53	1.95	1.95	1.95	2.97	1.70	.25	.08	.00	.00	.00	14.36
(2)	.00	.01	.00	.03	.05	.12	.16	.21	.21	.21	.32	.18	.03	.01	.00	.00	.00	1.54
5.1- 6.0	0	1	0	0	2	4	18	22	25	18	45	23	1	0	0	0	0	159
(1)	.00	.08	.00	.00	.17	.34	1.53	1.87	2.12	1.53	3.82	1.95	.08	.00	.00	.00	.00	13.51
(2)	.00	.01	.00	.00	.02	.04	.16	.20	.23	.16	.41	.21	.01	.00	.00	.00	.00	1.45
6.1- 8.0	0	1	0	0	0	7	20	37	65	29	21	12	2	0	0	0	0	194
(1)	.00	.08	.00	.00	.00	.59	1.70	3.14	5.52	2.46	1.78	1.02	.17	.00	.00	.00	.00	16.48
(2)	.00	.01	.00	.00	.00	.06	.18	.34	.59	.26	.19	.11	.02	.00	.00	.00	.00	1.77
8.1-10.0	0	0	0	0	0	0	3	1	1	1	0	1	4	1	0	0	0	12
(1)	.00	.00	.00	.00	.00	.00	.25	.08	.08	.08	.00	.08	.34	.08	.00	.00	.00	1.02
(2)	.00	.00	.00	.00	.00	.00	.03	.01	.01	.01	.00	.01	.04	.01	.00	.00	.00	.11
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	3	1	4	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.25	.08	.34	.00	.00	.76
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.01	.04	.00	.00	.08
ALL SPEEDS	12	20	34	51	62	55	93	126	170	136	184	141	43	22	17	11	0	1177
(1)	1.02	1.70	2.89	4.33	5.27	4.67	7.90	10.71	14.44	11.55	15.63	11.98	3.65	1.87	1.44	.93	.00	100.00
(2)	.11	.18	.31	.46	.57	.50	.85	1.15	1.55	1.24	1.68	1.28	.39	.20	.15	.10	.00	10.73

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Table 2.3-37—{NMPNS 200 ft (61-m) 2001-2005 Summer JFD}

(Page 8 of 8)

NMP SUMMER 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
(2)	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.00	.01	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.00	.01	.00	.00	.00	.03
.5- 1.0	12	15	8	9	8	8	6	9	6	11	10	10	7	8	10	5	0	142
(1)	.11	.14	.07	.08	.07	.07	.05	.08	.05	.10	.09	.09	.06	.07	.09	.05	.00	1.29
(2)	.11	.14	.07	.08	.07	.07	.05	.08	.05	.10	.09	.09	.06	.07	.09	.05	.00	1.29
1.1- 1.5	16	24	27	21	15	13	13	15	13	20	30	29	31	20	11	21	0	319
(1)	.15	.22	.25	.19	.14	.12	.12	.14	.12	.18	.27	.26	.28	.18	.10	.19	.00	2.91
(2)	.15	.22	.25	.19	.14	.12	.12	.14	.12	.18	.27	.26	.28	.18	.10	.19	.00	2.91
1.6- 2.0	27	38	41	41	20	19	10	16	17	26	26	37	41	34	31	30	0	454
(1)	.25	.35	.37	.37	.18	.17	.09	.15	.15	.24	.24	.34	.37	.31	.28	.27	.00	4.14
(2)	.25	.35	.37	.37	.18	.17	.09	.15	.15	.24	.24	.34	.37	.31	.28	.27	.00	4.14
2.1- 3.0	88	88	102	92	93	55	56	58	70	60	92	130	151	122	90	105	0	1452
(1)	.80	.80	.93	.84	.85	.50	.51	.53	.64	.55	.84	1.18	1.38	1.11	.82	.96	.00	13.23
(2)	.80	.80	.93	.84	.85	.50	.51	.53	.64	.55	.84	1.18	1.38	1.11	.82	.96	.00	13.23
3.1- 4.0	60	59	58	36	53	50	60	101	96	85	113	203	193	93	63	63	0	1386
(1)	.55	.54	.53	.33	.48	.46	.55	.92	.87	.77	1.03	1.85	1.76	.85	.57	.57	.00	12.63
(2)	.55	.54	.53	.33	.48	.46	.55	.92	.87	.77	1.03	1.85	1.76	.85	.57	.57	.00	12.63
4.1- 5.0	55	79	47	18	31	43	110	113	112	111	115	294	204	78	62	56	0	1528
(1)	.50	.72	.43	.16	.28	.39	1.00	1.03	1.02	1.01	1.05	2.68	1.86	.71	.57	.51	.00	13.93
(2)	.50	.72	.43	.16	.28	.39	1.00	1.03	1.02	1.01	1.05	2.68	1.86	.71	.57	.51	.00	13.93
5.1- 6.0	74	64	33	5	19	43	127	126	177	150	155	367	169	57	37	39	0	1642
(1)	.67	.58	.30	.05	.17	.39	1.16	1.15	1.61	1.37	1.41	3.34	1.54	.52	.34	.36	.00	14.96
(2)	.67	.58	.30	.05	.17	.39	1.16	1.15	1.61	1.37	1.41	3.34	1.54	.52	.34	.36	.00	14.96
6.1- 8.0	84	78	44	1	5	58	212	291	424	263	182	586	229	89	57	54	0	2657
(1)	.77	.71	.40	.01	.05	.53	1.93	2.65	3.86	2.40	1.66	5.34	2.09	.81	.52	.49	.00	24.21
(2)	.77	.71	.40	.01	.05	.53	1.93	2.65	3.86	2.40	1.66	5.34	2.09	.81	.52	.49	.00	24.21
8.1-10.0	73	68	11	0	0	16	66	96	68	24	18	247	211	75	34	16	0	1023
(1)	.67	.62	.10	.00	.00	.15	.60	.87	.62	.22	.16	2.25	1.92	.68	.31	.15	.00	9.32
(2)	.67	.62	.10	.00	.00	.15	.60	.87	.62	.22	.16	2.25	1.92	.68	.31	.15	.00	9.32
10.1-40.3	36	38	4	1	0	0	12	4	1	0	0	73	136	35	15	11	0	366
(1)	.33	.35	.04	.01	.00	.00	.11	.04	.01	.00	.00	.67	1.24	.32	.14	.10	.00	3.34
(2)	.33	.35	.04	.01	.00	.00	.11	.04	.01	.00	.00	.67	1.24	.32	.14	.10	.00	3.34
ALL SPEEDS	525	551	375	224	245	305	673	829	985	750	741	1976	1372	612	410	400	0	10973
(1)	4.78	5.02	3.42	2.04	2.23	2.78	6.13	7.55	8.98	6.83	6.75	18.01	12.50	5.58	3.74	3.65	.00	100.00
(2)	4.78	5.02	3.42	2.04	2.23	2.78	6.13	7.55	8.98	6.83	6.75	18.01	12.50	5.58	3.74	3.65	.00	100.00

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Table 2.3-38—{NMPNS 200 ft (61-m) 2001-2005 Autumn JFD}

(Page 1 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 8.70

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.32	.11	.11	.00	.53
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.01	.01	.00	.05
1.6- 2.0	3	0	0	0	0	0	0	0	0	1	0	0	0	4	6	4	0	18
(1)	.32	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.43	.64	.43	.00	1.92
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.04	.06	.04	.00	.17
2.1- 3.0	18	5	1	1	0	0	2	1	2	1	0	0	4	12	8	22	0	77
(1)	1.92	.53	.11	.11	.00	.00	.21	.11	.21	.11	.00	.00	.43	1.28	.85	2.35	.00	8.22
(2)	.17	.05	.01	.01	.00	.00	.02	.01	.02	.01	.00	.00	.04	.11	.07	.20	.00	.72
3.1- 4.0	15	9	3	0	0	1	5	4	0	1	0	2	3	8	17	14	0	82
(1)	1.60	.96	.32	.00	.00	.11	.53	.43	.00	.11	.00	.21	.32	.85	1.81	1.49	.00	8.75
(2)	.14	.08	.03	.00	.00	.01	.05	.04	.00	.01	.00	.02	.03	.07	.16	.13	.00	.76
4.1- 5.0	8	10	5	0	0	6	6	4	3	1	0	13	1	6	10	11	0	84
(1)	.85	1.07	.53	.00	.00	.64	.64	.43	.32	.11	.00	1.39	.11	.64	1.07	1.17	.00	8.96
(2)	.07	.09	.05	.00	.00	.06	.06	.04	.03	.01	.00	.12	.01	.06	.09	.10	.00	.78
5.1- 6.0	21	13	0	1	0	3	13	6	4	0	2	11	4	10	14	11	0	113
(1)	2.24	1.39	.00	.11	.00	.32	1.39	.64	.43	.00	.21	1.17	.43	1.07	1.49	1.17	.00	12.06
(2)	.20	.12	.00	.01	.00	.03	.12	.06	.04	.00	.02	.10	.04	.09	.13	.10	.00	1.05
6.1- 8.0	23	16	4	3	2	7	5	7	2	0	0	29	1	3	11	15	0	128
(1)	2.45	1.71	.43	.32	.21	.75	.53	.75	.21	.00	.00	3.09	.11	.32	1.17	1.60	.00	13.66
(2)	.21	.15	.04	.03	.02	.07	.05	.07	.02	.00	.00	.27	.01	.03	.10	.14	.00	1.19
8.1-10.0	19	18	4	0	0	0	3	1	0	0	0	7	5	4	9	18	0	88
(1)	2.03	1.92	.43	.00	.00	.00	.32	.11	.00	.00	.00	.75	.53	.43	.96	1.92	.00	9.39
(2)	.18	.17	.04	.00	.00	.00	.03	.01	.00	.00	.00	.07	.05	.04	.08	.17	.00	.82
10.1-40.3	31	25	3	0	0	0	1	0	1	0	1	18	41	97	84	40	0	342
(1)	3.31	2.67	.32	.00	.00	.00	.11	.00	.11	.00	.11	1.92	4.38	10.35	8.96	4.27	.00	36.50
(2)	.29	.23	.03	.00	.00	.00	.01	.00	.01	.00	.01	.17	.38	.90	.78	.37	.00	3.18
ALL SPEEDS	138	96	20	5	2	17	35	23	12	4	3	80	59	147	160	136	0	937
(1)	14.73	10.25	2.13	.53	.21	1.81	3.74	2.45	1.28	.43	.32	8.54	6.30	15.69	17.08	14.51	.00	100.00
(2)	1.28	.89	.19	.05	.02	.16	.33	.21	.11	.04	.03	.74	.55	1.37	1.49	1.26	.00	8.70

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Table 2.3-38—{NMPNS 200 ft (61-m) 2001-2005 Autumn JFD}

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NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.80

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.00	.00	.00	.00	.16
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.16	.00	.32
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.02
1.6- 2.0	2	1	1	0	0	0	0	0	1	0	0	1	0	0	1	2	0	9
(1)	.32	.16	.16	.00	.00	.00	.00	.00	.16	.00	.00	.16	.00	.00	.16	.32	.00	1.44
(2)	.02	.01	.01	.00	.00	.00	.00	.00	.01	.00	.00	.01	.00	.00	.01	.02	.00	.08
2.1- 3.0	4	6	2	0	0	0	3	5	2	3	3	2	5	4	4	3	0	46
(1)	.64	.96	.32	.00	.00	.00	.48	.80	.32	.48	.48	.32	.80	.64	.64	.48	.00	7.36
(2)	.04	.06	.02	.00	.00	.00	.03	.05	.02	.03	.03	.02	.05	.04	.04	.03	.00	.43
3.1- 4.0	5	6	1	0	0	3	3	4	5	0	1	1	4	6	1	3	0	43
(1)	.80	.96	.16	.00	.00	.48	.48	.64	.80	.00	.16	.16	.64	.96	.16	.48	.00	6.88
(2)	.05	.06	.01	.00	.00	.03	.03	.04	.05	.00	.01	.01	.04	.06	.01	.03	.00	.40
4.1- 5.0	1	1	0	0	1	4	4	3	2	2	0	8	13	9	3	7	0	58
(1)	.16	.16	.00	.00	.16	.64	.64	.48	.32	.32	.00	1.28	2.08	1.44	.48	1.12	.00	9.28
(2)	.01	.01	.00	.00	.01	.04	.04	.03	.02	.02	.00	.07	.12	.08	.03	.07	.00	.54
5.1- 6.0	9	1	1	0	1	3	7	8	9	4	0	7	13	3	9	6	0	81
(1)	1.44	.16	.16	.00	.16	.48	1.12	1.28	1.44	.64	.00	1.12	2.08	.48	1.44	.96	.00	12.96
(2)	.08	.01	.01	.00	.01	.03	.07	.07	.08	.04	.00	.07	.12	.03	.08	.06	.00	.75
6.1- 8.0	8	5	2	0	1	1	4	9	6	3	1	8	11	10	13	15	0	97
(1)	1.28	.80	.32	.00	.16	.16	.64	1.44	.96	.48	.16	1.28	1.76	1.60	2.08	2.40	.00	15.52
(2)	.07	.05	.02	.00	.01	.01	.04	.08	.06	.03	.01	.07	.10	.09	.12	.14	.00	.90
8.1-10.0	4	7	0	0	0	0	4	1	1	0	2	12	6	11	27	13	0	88
(1)	.64	1.12	.00	.00	.00	.00	.64	.16	.16	.00	.32	1.92	.96	1.76	4.32	2.08	.00	14.08
(2)	.04	.07	.00	.00	.00	.00	.04	.01	.01	.00	.02	.11	.06	.10	.25	.12	.00	.82
10.1-40.3	8	9	1	0	0	1	2	1	0	0	0	21	33	36	61	27	0	200
(1)	1.28	1.44	.16	.00	.00	.16	.32	.16	.00	.00	.00	3.36	5.28	5.76	9.76	4.32	.00	32.00
(2)	.07	.08	.01	.00	.00	.01	.02	.01	.00	.00	.00	.20	.31	.33	.57	.25	.00	1.86
ALL SPEEDS	41	36	8	0	3	12	27	31	26	12	7	60	86	79	120	77	0	625
(1)	6.56	5.76	1.28	.00	.48	1.92	4.32	4.96	4.16	1.92	1.12	9.60	13.76	12.64	19.20	12.32	.00	100.00
(2)	.38	.33	.07	.00	.03	.11	.25	.29	.24	.11	.07	.56	.80	.73	1.11	.72	.00	5.80

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Table 2.3-38—{NMPNS 200 ft (61-m) 2001-2005 Autumn JFD}

(Page 3 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.11

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
1.6- 2.0	0	1	1	0	0	0	1	0	1	0	1	0	0	1	0	1	0	7
(1)	.00	.13	.13	.00	.00	.00	.13	.00	.13	.00	.13	.00	.00	.13	.00	.13	.00	.91
(2)	.00	.01	.01	.00	.00	.00	.01	.00	.01	.00	.01	.00	.00	.01	.00	.01	.00	.07
2.1- 3.0	3	4	4	1	2	2	3	3	3	3	0	0	6	2	6	0	0	42
(1)	.39	.52	.52	.13	.26	.26	.39	.39	.39	.39	.00	.00	.78	.26	.78	.00	.00	5.48
(2)	.03	.04	.04	.01	.02	.02	.03	.03	.03	.03	.00	.00	.06	.02	.06	.00	.00	.39
3.1- 4.0	4	3	1	2	0	1	3	1	11	5	5	2	10	5	2	4	0	59
(1)	.52	.39	.13	.26	.00	.13	.39	.13	1.44	.65	.65	.26	1.31	.65	.26	.52	.00	7.70
(2)	.04	.03	.01	.02	.00	.01	.03	.01	.10	.05	.05	.02	.09	.05	.02	.04	.00	.55
4.1- 5.0	3	5	3	0	1	5	4	7	13	9	0	5	11	11	1	2	0	80
(1)	.39	.65	.39	.00	.13	.65	.52	.91	1.70	1.17	.00	.65	1.44	1.44	.13	.26	.00	10.44
(2)	.03	.05	.03	.00	.01	.05	.04	.07	.12	.08	.00	.05	.10	.10	.01	.02	.00	.74
5.1- 6.0	6	1	3	0	2	3	9	12	14	2	2	2	10	3	6	5	0	80
(1)	.78	.13	.39	.00	.26	.39	1.17	1.57	1.83	.26	.26	.26	1.31	.39	.78	.65	.00	10.44
(2)	.06	.01	.03	.00	.02	.03	.08	.11	.13	.02	.02	.02	.09	.03	.06	.05	.00	.74
6.1- 8.0	16	21	6	0	0	5	9	17	14	3	1	14	11	9	20	15	0	161
(1)	2.09	2.74	.78	.00	.00	.65	1.17	2.22	1.83	.39	.13	1.83	1.44	1.17	2.61	1.96	.00	21.02
(2)	.15	.20	.06	.00	.00	.05	.08	.16	.13	.03	.01	.13	.10	.08	.19	.14	.00	1.50
8.1-10.0	13	6	4	0	0	0	9	3	2	0	1	7	20	18	31	21	0	135
(1)	1.70	.78	.52	.00	.00	.00	1.17	.39	.26	.00	.13	.91	2.61	2.35	4.05	2.74	.00	17.62
(2)	.12	.06	.04	.00	.00	.00	.08	.03	.02	.00	.01	.07	.19	.17	.29	.20	.00	1.25
10.1-40.3	12	20	3	0	0	0	2	3	1	0	1	14	39	49	36	21	0	201
(1)	1.57	2.61	.39	.00	.00	.00	.26	.39	.13	.00	.13	1.83	5.09	6.40	4.70	2.74	.00	26.24
(2)	.11	.19	.03	.00	.00	.00	.02	.03	.01	.00	.01	.13	.36	.46	.33	.20	.00	1.87
ALL SPEEDS	58	61	25	3	5	16	40	46	59	22	11	44	107	98	102	69	0	766
(1)	7.57	7.96	3.26	.39	.65	2.09	5.22	6.01	7.70	2.87	1.44	5.74	13.97	12.79	13.32	9.01	.00	100.00
(2)	.54	.57	.23	.03	.05	.15	.37	.43	.55	.20	.10	.41	.99	.91	.95	.64	.00	7.11

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Table 2.3-38—{NMPNS 200 ft (61-m) 2001-2005 Autumn JFD}

(Page 4 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 40.08

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	0	1	2	0	2	0	0	0	1	2	1	2	2	0	0	14
(1)	.00	.02	.00	.02	.05	.00	.05	.00	.00	.00	.02	.05	.02	.05	.05	.00	.00	.32
(2)	.00	.01	.00	.01	.02	.00	.02	.00	.00	.00	.01	.02	.01	.02	.02	.00	.00	.13
1.1- 1.5	5	5	5	3	3	4	1	2	1	2	1	1	1	2	2	3	0	41
(1)	.12	.12	.12	.07	.07	.09	.02	.05	.02	.05	.02	.02	.02	.05	.05	.07	.00	.95
(2)	.05	.05	.05	.03	.03	.04	.01	.02	.01	.02	.01	.01	.01	.02	.02	.03	.00	.38
1.6- 2.0	4	12	12	7	4	9	6	10	3	3	1	5	4	4	7	6	0	97
(1)	.09	.28	.28	.16	.09	.21	.14	.23	.07	.07	.02	.12	.09	.09	.16	.14	.00	2.25
(2)	.04	.11	.11	.07	.04	.08	.06	.09	.03	.03	.01	.05	.04	.04	.07	.06	.00	.90
2.1- 3.0	13	25	27	18	14	19	31	25	18	14	8	15	15	14	9	16	0	281
(1)	.30	.58	.63	.42	.32	.44	.72	.58	.42	.32	.19	.35	.35	.32	.21	.37	.00	6.51
(2)	.12	.23	.25	.17	.13	.18	.29	.23	.17	.13	.07	.14	.14	.13	.08	.15	.00	2.61
3.1- 4.0	24	22	28	17	15	21	37	23	25	28	13	14	17	21	25	10	0	340
(1)	.56	.51	.65	.39	.35	.49	.86	.53	.58	.65	.30	.32	.39	.49	.58	.23	.00	7.88
(2)	.22	.20	.26	.16	.14	.20	.34	.21	.23	.26	.12	.13	.16	.20	.23	.09	.00	3.16
4.1- 5.0	28	23	52	20	14	30	31	35	55	50	16	25	49	12	34	18	0	492
(1)	.65	.53	1.20	.46	.32	.70	.72	.81	1.27	1.16	.37	.58	1.14	.28	.79	.42	.00	11.40
(2)	.26	.21	.48	.19	.13	.28	.29	.33	.51	.46	.15	.23	.46	.11	.32	.17	.00	4.57
5.1- 6.0	32	26	65	13	9	65	89	41	74	38	25	32	29	30	28	22	0	618
(1)	.74	.60	1.51	.30	.21	1.51	2.06	.95	1.71	.88	.58	.74	.67	.70	.65	.51	.00	14.32
(2)	.30	.24	.60	.12	.08	.60	.83	.38	.69	.35	.23	.30	.27	.28	.26	.20	.00	5.74
6.1- 8.0	37	67	74	6	2	63	174	86	135	67	63	62	106	56	62	37	0	1097
(1)	.86	1.55	1.71	.14	.05	1.46	4.03	1.99	3.13	1.55	1.46	1.44	2.46	1.30	1.44	.86	.00	25.42
(2)	.34	.62	.69	.06	.02	.59	1.62	.80	1.25	.62	.59	.58	.98	.52	.58	.34	.00	10.19
8.1-10.0	18	67	26	0	3	13	84	67	57	18	41	35	93	63	40	16	0	641
(1)	.42	1.55	.60	.00	.07	.30	1.95	1.55	1.32	.42	.95	.81	2.15	1.46	.93	.37	.00	14.85
(2)	.17	.62	.24	.00	.03	.12	.78	.62	.53	.17	.38	.33	.86	.59	.37	.15	.00	5.95
10.1-40.3	16	51	13	0	1	10	54	76	14	2	12	91	170	126	50	9	0	695
(1)	.37	1.18	.30	.00	.02	.23	1.25	1.76	.32	.05	.28	2.11	3.94	2.92	1.16	.21	.00	16.10
(2)	.15	.47	.12	.00	.01	.09	.50	.71	.13	.02	.11	.85	1.58	1.17	.46	.08	.00	6.45
ALL SPEEDS	177	299	302	85	67	234	509	365	382	222	181	282	485	330	259	137	0	4316
(1)	4.10	6.93	7.00	1.97	1.55	5.42	11.79	8.46	8.85	5.14	4.19	6.53	11.24	7.65	6.00	3.17	.00	100.00
(2)	1.64	2.78	2.80	.79	.62	2.17	4.73	3.39	3.55	2.06	1.68	2.62	4.50	3.06	2.41	1.27	.00	40.08

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Table 2.3-38—{NMPNS 200 ft (61-m) 2001-2005 Autumn JFD}

(Page 5 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 25.42

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	1	2	0	0	1	1	0	0	0	1	1	0	0	1	0	0	9
(1)	.04	.04	.07	.00	.00	.04	.04	.00	.00	.00	.04	.04	.00	.00	.04	.00	.00	.33
(2)	.01	.01	.02	.00	.00	.01	.01	.00	.00	.00	.01	.01	.00	.00	.01	.00	.00	.08
1.1- 1.5	5	4	5	4	4	2	2	0	3	2	2	3	1	1	0	2	0	40
(1)	.18	.15	.18	.15	.15	.07	.07	.00	.11	.07	.07	.11	.04	.04	.00	.07	.00	1.46
(2)	.05	.04	.05	.04	.04	.02	.02	.00	.03	.02	.02	.03	.01	.01	.00	.02	.00	.37
1.6- 2.0	6	2	6	9	4	2	1	3	2	1	3	5	3	0	1	1	0	49
(1)	.22	.07	.22	.33	.15	.07	.04	.11	.07	.04	.11	.18	.11	.00	.04	.04	.00	1.79
(2)	.06	.02	.06	.08	.04	.02	.01	.03	.02	.01	.03	.05	.03	.00	.01	.01	.00	.46
2.1- 3.0	8	8	10	27	9	13	3	12	4	9	13	14	11	8	6	4	0	159
(1)	.29	.29	.37	.99	.33	.47	.11	.44	.15	.33	.47	.51	.40	.29	.22	.15	.00	5.81
(2)	.07	.07	.09	.25	.08	.12	.03	.11	.04	.08	.12	.13	.10	.07	.06	.04	.00	1.48
3.1- 4.0	4	1	14	16	15	21	27	17	11	13	15	9	10	2	5	3	0	183
(1)	.15	.04	.51	.58	.55	.77	.99	.62	.40	.47	.55	.33	.37	.07	.18	.11	.00	6.69
(2)	.04	.01	.13	.15	.14	.20	.25	.16	.10	.12	.14	.08	.09	.02	.05	.03	.00	1.70
4.1- 5.0	2	5	16	7	9	25	45	29	34	21	11	31	10	5	2	1	0	253
(1)	.07	.18	.58	.26	.33	.91	1.64	1.06	1.24	.77	.40	1.13	.37	.18	.07	.04	.00	9.24
(2)	.02	.05	.15	.07	.08	.23	.42	.27	.32	.20	.10	.29	.09	.05	.02	.01	.00	2.35
5.1- 6.0	3	4	3	3	2	24	74	68	81	64	46	31	14	0	0	1	0	418
(1)	.11	.15	.11	.11	.07	.88	2.70	2.48	2.96	2.34	1.68	1.13	.51	.00	.00	.04	.00	15.27
(2)	.03	.04	.03	.03	.02	.22	.69	.63	.75	.59	.43	.29	.13	.00	.00	.01	.00	3.88
6.1- 8.0	1	3	6	1	2	18	202	229	202	150	64	63	24	8	3	1	0	977
(1)	.04	.11	.22	.04	.07	.66	7.38	8.37	7.38	5.48	2.34	2.30	.88	.29	.11	.04	.00	35.70
(2)	.01	.03	.06	.01	.02	.17	1.88	2.13	1.88	1.39	.59	.59	.22	.07	.03	.01	.00	9.07
8.1-10.0	1	3	2	0	0	6	76	156	142	27	10	33	13	15	4	3	0	491
(1)	.04	.11	.07	.00	.00	.22	2.78	5.70	5.19	.99	.37	1.21	.47	.55	.15	.11	.00	17.94
(2)	.01	.03	.02	.00	.00	.06	.71	1.45	1.32	.25	.09	.31	.12	.14	.04	.03	.00	4.56
10.1-40.3	0	1	0	0	0	1	22	34	1	0	2	45	33	13	5	1	0	158
(1)	.00	.04	.00	.00	.00	.04	.80	1.24	.04	.00	.07	1.64	1.21	.47	.18	.04	.00	5.77
(2)	.00	.01	.00	.00	.00	.01	.20	.32	.01	.00	.02	.42	.31	.12	.05	.01	.00	1.47
ALL SPEEDS	31	32	64	67	45	113	453	548	480	287	167	235	119	52	27	17	0	2737
(1)	1.13	1.17	2.34	2.45	1.64	4.13	16.55	20.02	17.54	10.49	6.10	8.59	4.35	1.90	.99	.62	.00	100.00
(2)	.29	.30	.59	.62	.42	1.05	4.21	5.09	4.46	2.67	1.55	2.18	1.11	.48	.25	.16	.00	25.42

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Table 2.3-38—{NMPNS 200 ft (61-m) 2001-2005 Autumn JFD}

(Page 6 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 6.63

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	2	0	1	1	3	0	0	0	1	1	0	0	0	10
(1)	.00	.00	.00	.14	.28	.00	.14	.14	.42	.00	.00	.00	.14	.14	.00	.00	.00	1.40
(2)	.00	.00	.00	.01	.02	.00	.01	.01	.03	.00	.00	.00	.01	.01	.00	.00	.00	.09
1.1- 1.5	0	2	0	3	2	3	0	0	0	1	3	2	2	0	2	2	0	22
(1)	.00	.28	.00	.42	.28	.42	.00	.00	.00	.14	.42	.28	.28	.00	.28	.28	.00	3.08
(2)	.00	.02	.00	.03	.02	.03	.00	.00	.00	.01	.03	.02	.02	.00	.02	.02	.00	.20
1.6- 2.0	0	0	1	1	0	2	2	3	2	0	2	0	0	2	2	1	0	18
(1)	.00	.00	.14	.14	.00	.28	.28	.42	.28	.00	.28	.00	.00	.28	.28	.14	.00	2.52
(2)	.00	.00	.01	.01	.00	.02	.02	.03	.02	.00	.02	.00	.00	.02	.02	.01	.00	.17
2.1- 3.0	1	0	2	6	13	5	4	7	2	3	9	4	7	4	2	0	0	69
(1)	.14	.00	.28	.84	1.82	.70	.56	.98	.28	.42	1.26	.56	.98	.56	.28	.00	.00	9.66
(2)	.01	.00	.02	.06	.12	.05	.04	.07	.02	.03	.08	.04	.07	.04	.02	.00	.00	.64
3.1- 4.0	0	5	2	7	21	9	5	5	0	7	14	9	6	1	0	2	0	93
(1)	.00	.70	.28	.98	2.94	1.26	.70	.70	.00	.98	1.96	1.26	.84	.14	.00	.28	.00	13.03
(2)	.00	.05	.02	.07	.20	.08	.05	.05	.00	.07	.13	.08	.06	.01	.00	.02	.00	.86
4.1- 5.0	0	0	0	2	3	10	11	8	6	10	14	8	3	1	2	0	0	78
(1)	.00	.00	.00	.28	.42	1.40	1.54	1.12	.84	1.40	1.96	1.12	.42	.14	.28	.00	.00	10.92
(2)	.00	.00	.00	.02	.03	.09	.10	.07	.06	.09	.13	.07	.03	.01	.02	.00	.00	.72
5.1- 6.0	0	1	0	0	3	9	6	16	13	13	23	6	2	0	1	0	0	93
(1)	.00	.14	.00	.00	.42	1.26	.84	2.24	1.82	1.82	3.22	.84	.28	.00	.14	.00	.00	13.03
(2)	.00	.01	.00	.00	.03	.08	.06	.15	.12	.12	.21	.06	.02	.00	.01	.00	.00	.86
6.1- 8.0	0	0	0	0	1	5	41	63	54	54	38	12	6	2	0	0	0	276
(1)	.00	.00	.00	.00	.14	.70	5.74	8.82	7.56	7.56	5.32	1.68	.84	.28	.00	.00	.00	38.66
(2)	.00	.00	.00	.00	.01	.05	.38	.59	.50	.50	.35	.11	.06	.02	.00	.00	.00	2.56
8.1-10.0	0	0	0	0	0	0	8	17	14	6	1	1	0	0	0	0	0	47
(1)	.00	.00	.00	.00	.00	.00	1.12	2.38	1.96	.84	.14	.14	.00	.00	.00	.00	.00	6.58
(2)	.00	.00	.00	.00	.00	.00	.07	.16	.13	.06	.01	.01	.00	.00	.00	.00	.00	.44
10.1-40.3	0	0	0	0	0	0	0	0	0	0	1	0	4	1	2	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.56	.14	.28	.00	.00	1.12
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.04	.01	.02	.00	.00	.07
ALL SPEEDS	1	8	5	20	45	43	78	120	94	94	105	42	31	12	11	5	0	714
(1)	.14	1.12	.70	2.80	6.30	6.02	10.92	16.81	13.17	13.17	14.71	5.88	4.34	1.68	1.54	.70	.00	100.00
(2)	.01	.07	.05	.19	.42	.40	.72	1.11	.87	.87	.98	.39	.29	.11	.10	.05	.00	6.63

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Table 2.3-38—{NMPNS 200 ft (61-m) 2001-2005 Autumn JFD}

(Page 7 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 6.25

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.00	.00	.00	.00	.00	.00	.00	.15
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.5- 1.0	0	0	2	1	2	2	0	2	1	1	0	0	0	2	0	1	0	14
(1)	.00	.00	.30	.15	.30	.30	.00	.30	.15	.15	.00	.00	.00	.30	.00	.15	.00	2.08
(2)	.00	.00	.02	.01	.02	.02	.00	.02	.01	.01	.00	.00	.00	.02	.00	.01	.00	.13
1.1- 1.5	0	3	2	5	4	3	4	5	3	3	5	2	4	2	1	0	0	46
(1)	.00	.45	.30	.74	.59	.45	.59	.74	.45	.45	.74	.30	.59	.30	.15	.00	.00	6.84
(2)	.00	.03	.02	.05	.04	.03	.04	.05	.03	.03	.05	.02	.04	.02	.01	.00	.00	.43
1.6- 2.0	0	1	6	2	4	7	4	4	5	3	5	5	2	1	3	0	0	52
(1)	.00	.15	.89	.30	.59	1.04	.59	.59	.74	.45	.74	.74	.30	.15	.45	.00	.00	7.73
(2)	.00	.01	.06	.02	.04	.07	.04	.04	.05	.03	.05	.05	.02	.01	.03	.00	.00	.48
2.1- 3.0	0	2	3	7	8	11	6	7	4	10	23	13	8	2	1	0	0	105
(1)	.00	.30	.45	1.04	1.19	1.63	.89	1.04	.59	1.49	3.42	1.93	1.19	.30	.15	.00	.00	15.60
(2)	.00	.02	.03	.07	.07	.10	.06	.07	.04	.09	.21	.12	.07	.02	.01	.00	.00	.98
3.1- 4.0	0	1	1	5	4	6	8	8	8	23	27	17	2	0	2	1	0	113
(1)	.00	.15	.15	.74	.59	.89	1.19	1.19	1.19	3.42	4.01	2.53	.30	.00	.30	.15	.00	16.79
(2)	.00	.01	.01	.05	.04	.06	.07	.07	.07	.21	.25	.16	.02	.00	.02	.01	.00	1.05
4.1- 5.0	0	0	0	3	3	8	7	5	9	11	33	22	1	1	0	0	0	103
(1)	.00	.00	.00	.45	.45	1.19	1.04	.74	1.34	1.63	4.90	3.27	.15	.15	.00	.00	.00	15.30
(2)	.00	.00	.00	.03	.03	.07	.07	.05	.08	.10	.31	.20	.01	.01	.00	.00	.00	.96
5.1- 6.0	0	0	0	0	0	5	14	12	16	17	23	4	1	0	0	0	0	92
(1)	.00	.00	.00	.00	.00	.74	2.08	1.78	2.38	2.53	3.42	.59	.15	.00	.00	.00	.00	13.67
(2)	.00	.00	.00	.00	.00	.05	.13	.11	.15	.16	.21	.04	.01	.00	.00	.00	.00	.85
6.1- 8.0	0	0	0	0	0	4	18	27	34	26	21	1	0	2	0	0	0	133
(1)	.00	.00	.00	.00	.00	.59	2.67	4.01	5.05	3.86	3.12	.15	.00	.30	.00	.00	.00	19.76
(2)	.00	.00	.00	.00	.00	.04	.17	.25	.32	.24	.20	.01	.00	.02	.00	.00	.00	1.24
8.1-10.0	0	0	0	0	0	0	1	2	2	2	2	0	0	0	0	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.15	.30	.30	.30	.30	.00	.00	.00	.00	.00	.00	1.34
(2)	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.02	.00	.00	.00	.00	.00	.00	.08
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.45	.00	.00	.59
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.00	.00	.04
ALL SPEEDS	0	7	14	24	25	46	62	72	82	97	139	64	18	11	10	2	0	673
(1)	.00	1.04	2.08	3.57	3.71	6.84	9.21	10.70	12.18	14.41	20.65	9.51	2.67	1.63	1.49	.30	.00	100.00
(2)	.00	.07	.13	.22	.23	.43	.58	.67	.76	.90	1.29	.59	.17	.10	.09	.02	.00	6.25

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Table 2.3-38—{NMPNS 200 ft (61-m) 2001-2005 Autumn JFD}

(Page 8 of 8)

NMP AUTUMN 01-05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01
.3- .4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
.5- 1.0	1	2	4	3	6	3	4	3	4	1	2	3	3	5	3	1	0	48
(1)	.01	.02	.04	.03	.06	.03	.04	.03	.04	.01	.02	.03	.03	.05	.03	.01	.00	.45
(2)	.01	.02	.04	.03	.06	.03	.04	.03	.04	.01	.02	.03	.03	.05	.03	.01	.00	.45
1.1- 1.5	11	14	12	15	13	12	7	7	7	8	11	8	8	8	7	9	0	157
(1)	.10	.13	.11	.14	.12	.11	.07	.07	.07	.07	.10	.07	.07	.07	.07	.08	.00	1.46
(2)	.10	.13	.11	.14	.12	.11	.07	.07	.07	.07	.10	.07	.07	.07	.07	.08	.00	1.46
1.6- 2.0	15	17	27	19	12	20	14	20	14	8	12	16	9	12	20	15	0	250
(1)	.14	.16	.25	.18	.11	.19	.13	.19	.13	.07	.11	.15	.08	.11	.19	.14	.00	2.32
(2)	.14	.16	.25	.18	.11	.19	.13	.19	.13	.07	.11	.15	.08	.11	.19	.14	.00	2.32
2.1- 3.0	47	50	49	60	46	50	52	60	35	43	56	48	56	46	36	45	0	779
(1)	.44	.46	.46	.56	.43	.46	.48	.56	.33	.40	.52	.45	.52	.43	.33	.42	.00	7.23
(2)	.44	.46	.46	.56	.43	.46	.48	.56	.33	.40	.52	.45	.52	.43	.33	.42	.00	7.23
3.1- 4.0	52	47	50	47	55	62	88	62	60	77	75	54	52	43	52	37	0	913
(1)	.48	.44	.46	.44	.51	.58	.82	.58	.56	.72	.70	.50	.48	.40	.48	.34	.00	8.48
(2)	.48	.44	.46	.44	.51	.58	.82	.58	.56	.72	.70	.50	.48	.40	.48	.34	.00	8.48
4.1- 5.0	42	44	76	32	31	88	108	91	122	104	74	112	88	45	52	39	0	1148
(1)	.39	.41	.71	.30	.29	.82	1.00	.85	1.13	.97	.69	1.04	.82	.42	.48	.36	.00	10.66
(2)	.39	.41	.71	.30	.29	.82	1.00	.85	1.13	.97	.69	1.04	.82	.42	.48	.36	.00	10.66
5.1- 6.0	71	46	72	17	17	112	212	163	211	138	121	93	73	46	58	45	0	1495
(1)	.66	.43	.67	.16	.16	1.04	1.97	1.51	1.96	1.28	1.12	.86	.68	.43	.54	.42	.00	13.88
(2)	.66	.43	.67	.16	.16	1.04	1.97	1.51	1.96	1.28	1.12	.86	.68	.43	.54	.42	.00	13.88
6.1- 8.0	85	112	92	10	8	103	453	438	447	303	188	189	159	90	109	83	0	2869
(1)	.79	1.04	.85	.09	.07	.96	4.21	4.07	4.15	2.81	1.75	1.76	1.48	.84	1.01	.77	.00	26.64
(2)	.79	1.04	.85	.09	.07	.96	4.21	4.07	4.15	2.81	1.75	1.76	1.48	.84	1.01	.77	.00	26.64
8.1-10.0	55	101	36	0	3	19	185	247	218	53	57	95	137	111	111	71	0	1499
(1)	.51	.94	.33	.00	.03	.18	1.72	2.29	2.02	.49	.53	.88	1.27	1.03	1.03	.66	.00	13.92
(2)	.51	.94	.33	.00	.03	.18	1.72	2.29	2.02	.49	.53	.88	1.27	1.03	1.03	.66	.00	13.92
10.1-40.3	67	106	20	0	1	12	81	114	17	2	17	189	320	323	241	98	0	1608
(1)	.62	.98	.19	.00	.01	.11	.75	1.06	.16	.02	.16	1.76	2.97	3.00	2.24	.91	.00	14.93
(2)	.62	.98	.19	.00	.01	.11	.75	1.06	.16	.02	.16	1.76	2.97	3.00	2.24	.91	.00	14.93
ALL SPEEDS	446	539	438	204	192	481	1204	1205	1135	738	613	807	905	729	689	443	0	10768
(1)	4.14	5.01	4.07	1.89	1.78	4.47	11.18	11.19	10.54	6.85	5.69	7.49	8.40	6.77	6.40	4.11	.00	100.00
(2)	4.14	5.01	4.07	1.89	1.78	4.47	11.18	11.19	10.54	6.85	5.69	7.49	8.40	6.77	6.40	4.11	.00	100.00

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Table 2.3-39—{NMPNS 30 ft (9-m) 2001-2005 January JFD}

(Page 1 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 9.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.30	.00	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60
(2)	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
2.1- 3.0	0	1	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	5
(1)	.00	.30	.60	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.00	.00	1.50
(2)	.00	.03	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.14
3.1- 4.0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6
(1)	.30	.60	.60	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	1.80
(2)	.03	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.16
4.1- 5.0	8	3	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	15
(1)	2.40	.90	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.90	.00	4.50
(2)	.22	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.08	.00	.41
5.1- 6.0	7	3	0	0	0	0	0	0	0	0	0	0	0	0	4	5	0	19
(1)	2.10	.90	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.20	1.50	.00	5.71
(2)	.19	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.14	.00	.51
6.1- 8.0	18	10	5	0	0	0	0	0	0	0	0	2	0	4	15	17	0	71
(1)	5.41	3.00	1.50	.00	.00	.00	.00	.00	.00	.00	.00	.60	.00	1.20	4.50	5.11	.00	21.32
(2)	.49	.27	.14	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.11	.41	.46	.00	1.92
8.1-10.0	5	2	2	0	0	0	0	0	0	0	0	4	2	13	50	12	0	90
(1)	1.50	.60	.60	.00	.00	.00	.00	.00	.00	.00	.00	1.20	.60	3.90	15.02	3.60	.00	27.03
(2)	.14	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.11	.05	.35	1.35	.32	.00	2.43
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	13	11	50	50	0	0	125
(1)	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.90	3.30	15.02	15.02	.00	.00	37.54
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.35	.30	1.35	1.35	.00	.00	3.38
ALL SPEEDS	40	21	11	1	0	1	0	1	0	0	0	19	13	69	119	38	0	333
(1)	12.01	6.31	3.30	.30	.00	.30	.00	.30	.00	.00	.00	5.71	3.90	20.72	35.74	11.41	.00	100.00
(2)	1.08	.57	.30	.03	.00	.03	.00	.03	.00	.00	.00	.51	.35	1.87	3.22	1.03	.00	9.00

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Table 2.3-39—{NMPNS 30 ft (9-m) 2001-2005 January JFD}

(Page 2 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 7.03

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2
(1)	.38	.00	.00	.00	.00	.00	.00	.00	.38	.00	.00	.00	.00	.00	.00	.00	.00	.77
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.05
2.1- 3.0	1	2	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	9
(1)	.38	.77	.38	.38	.38	.38	.77	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.46
(2)	.03	.05	.03	.03	.03	.03	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24
3.1- 4.0	2	6	2	0	1	0	1	0	0	0	0	0	0	1	0	2	0	15
(1)	.77	2.31	.77	.00	.38	.00	.38	.00	.00	.00	.00	.00	.00	.38	.00	.77	.00	5.77
(2)	.05	.16	.05	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.05	.00	.41
4.1- 5.0	14	19	3	0	0	0	0	0	1	0	0	0	0	1	4	5	0	47
(1)	5.38	7.31	1.15	.00	.00	.00	.00	.00	.38	.00	.00	.00	.00	.38	1.54	1.92	.00	18.08
(2)	.38	.51	.08	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03	.11	.14	.00	1.27
5.1- 6.0	12	4	3	0	0	0	0	0	0	0	0	2	1	10	16	2	0	50
(1)	4.62	1.54	1.15	.00	.00	.00	.00	.00	.00	.00	.00	.77	.38	3.85	6.15	.77	.00	19.23
(2)	.32	.11	.08	.00	.00	.00	.00	.00	.00	.00	.00	.05	.03	.27	.43	.05	.00	1.35
6.1- 8.0	4	4	12	0	0	0	0	0	0	0	0	1	2	10	34	7	0	74
(1)	1.54	1.54	4.62	.00	.00	.00	.00	.00	.00	.00	.00	.38	.77	3.85	13.08	2.69	.00	28.46
(2)	.11	.11	.32	.00	.00	.00	.00	.00	.00	.00	.00	.03	.05	.27	.92	.19	.00	2.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	15	0	0	29
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.77	1.54	3.08	5.77	.00	.00	11.15
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.11	.22	.41	.00	.00	.78
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	2	9	19	3	0	0	34
(1)	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.77	3.46	7.31	1.15	.00	.00	13.08
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.24	.51	.08	.00	.00	.92
ALL SPEEDS	35	35	21	1	2	1	3	0	2	0	0	7	16	49	72	16	0	260
(1)	13.46	13.46	8.08	.38	.77	.38	1.15	.00	.77	.00	.00	2.69	6.15	18.85	27.69	6.15	.00	100.00
(2)	.95	.95	.57	.03	.05	.03	.08	.00	.05	.00	.00	.19	.43	1.32	1.95	.43	.00	7.03

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Table 2.3-39—{NMPNS 30 ft (9-m) 2001-2005 January JFD}

(Page 3 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 8.19

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.33	.00	.00	.00	.33	.00	.33	.00	.00	.00	.00	.00	.99
(2)	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.08
1.6- 2.0	1	2	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	7
(1)	.33	.66	.33	.33	.00	.00	.33	.00	.00	.00	.00	.33	.00	.00	.00	.00	.00	2.31
(2)	.03	.05	.03	.03	.00	.00	.03	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.19
2.1- 3.0	2	6	5	2	0	2	2	0	0	0	0	0	0	1	1	0	0	21
(1)	.66	1.98	1.65	.66	.00	.66	.66	.00	.00	.00	.00	.00	.00	.33	.33	.00	.00	6.93
(2)	.05	.16	.14	.05	.00	.05	.05	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.57
3.1- 4.0	4	15	6	0	0	0	1	0	1	0	0	0	0	3	3	8	0	41
(1)	1.32	4.95	1.98	.00	.00	.00	.33	.00	.33	.00	.00	.00	.00	.99	.99	2.64	.00	13.53
(2)	.11	.41	.16	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.08	.08	.22	.00	1.11
4.1- 5.0	9	16	16	0	0	0	0	3	1	0	0	0	0	2	8	10	0	65
(1)	2.97	5.28	5.28	.00	.00	.00	.00	.99	.33	.00	.00	.00	.00	.66	2.64	3.30	.00	21.45
(2)	.24	.43	.43	.00	.00	.00	.00	.08	.03	.00	.00	.00	.00	.05	.22	.27	.00	1.76
5.1- 6.0	5	8	11	0	0	0	0	0	0	0	0	1	1	6	9	7	0	48
(1)	1.65	2.64	3.63	.00	.00	.00	.00	.00	.00	.00	.00	.33	.33	1.98	2.97	2.31	.00	15.84
(2)	.14	.22	.30	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.16	.24	.19	.00	1.30
6.1- 8.0	5	1	1	0	0	0	0	0	0	0	0	3	2	7	15	8	0	42
(1)	1.65	.33	.33	.00	.00	.00	.00	.00	.00	.00	.00	.99	.66	2.31	4.95	2.64	.00	13.86
(2)	.14	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.08	.05	.19	.41	.22	.00	1.14
8.1-10.0	2	0	0	0	0	0	0	0	0	0	1	4	4	4	11	0	0	26
(1)	.66	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33	1.32	1.32	1.32	3.63	.00	.00	8.58
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.11	.11	.11	.30	.00	.00	.70
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	13	11	20	6	0	0	50
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.29	3.63	6.60	1.98	.00	.00	16.50
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.35	.30	.54	.16	.00	.00	1.35
ALL SPEEDS	28	48	40	3	0	3	4	3	2	1	1	23	18	43	53	33	0	303
(1)	9.24	15.84	13.20	.99	.00	.99	1.32	.99	.66	.33	.33	7.59	5.94	14.19	17.49	10.89	.00	100.00
(2)	.76	1.30	1.08	.08	.00	.08	.11	.08	.05	.03	.03	.62	.49	1.16	1.43	.89	.00	8.19

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Table 2.3-39—{NMPNS 30 ft (9-m) 2001-2005 January JFD}

(Page 4 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 54.37

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.05	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
(2)	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
.3- .4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	0	1	4	2	3	1	1	0	1	0	2	1	0	0	2	1	0	19
(1)	.00	.05	.20	.10	.15	.05	.05	.00	.05	.00	.10	.05	.00	.00	.10	.05	.00	.94
(2)	.00	.03	.11	.05	.08	.03	.03	.00	.03	.00	.05	.03	.00	.00	.05	.03	.00	.51
1.1- 1.5	2	3	8	9	12	12	11	3	3	3	0	2	0	0	1	2	0	71
(1)	.10	.15	.40	.45	.60	.60	.55	.15	.15	.15	.00	.10	.00	.00	.05	.10	.00	3.53
(2)	.05	.08	.22	.24	.32	.32	.30	.08	.08	.08	.00	.05	.00	.00	.03	.05	.00	1.92
1.6- 2.0	5	6	10	20	21	16	21	14	5	1	1	1	2	2	2	7	0	134
(1)	.25	.30	.50	.99	1.04	.80	1.04	.70	.25	.05	.05	.05	.10	.10	.10	.35	.00	6.66
(2)	.14	.16	.27	.54	.57	.43	.57	.38	.14	.03	.03	.03	.05	.05	.05	.19	.00	3.62
2.1- 3.0	13	40	42	21	35	50	65	54	38	34	17	9	7	4	9	7	0	445
(1)	.65	1.99	2.09	1.04	1.74	2.49	3.23	2.69	1.89	1.69	.85	.45	.35	.20	.45	.35	.00	22.13
(2)	.35	1.08	1.14	.57	.95	1.35	1.76	1.46	1.03	.92	.46	.24	.19	.11	.24	.19	.00	12.03
3.1- 4.0	14	38	36	4	11	39	41	52	72	70	40	9	3	11	9	18	0	467
(1)	.70	1.89	1.79	.20	.55	1.94	2.04	2.59	3.58	3.48	1.99	.45	.15	.55	.45	.90	.00	23.22
(2)	.38	1.03	.97	.11	.30	1.05	1.11	1.41	1.95	1.89	1.08	.24	.08	.30	.24	.49	.00	12.63
4.1- 5.0	12	21	29	0	1	24	24	31	31	40	69	9	2	14	19	18	0	344
(1)	.60	1.04	1.44	.00	.05	1.19	1.19	1.54	1.54	1.99	3.43	.45	.10	.70	.94	.90	.00	17.11
(2)	.32	.57	.78	.00	.03	.65	.65	.84	.84	1.08	1.87	.24	.05	.38	.51	.49	.00	9.30
5.1- 6.0	15	6	2	0	0	5	7	10	5	6	28	10	5	19	15	4	0	137
(1)	.75	.30	.10	.00	.00	.25	.35	.50	.25	.30	1.39	.50	.25	.94	.75	.20	.00	6.81
(2)	.41	.16	.05	.00	.00	.14	.19	.27	.14	.16	.76	.27	.14	.51	.41	.11	.00	3.70
6.1- 8.0	9	3	0	0	0	3	2	9	0	2	8	27	10	44	30	8	0	155
(1)	.45	.15	.00	.00	.00	.15	.10	.45	.00	.10	.40	1.34	.50	2.19	1.49	.40	.00	7.71
(2)	.24	.08	.00	.00	.00	.08	.05	.24	.00	.05	.22	.73	.27	1.19	.81	.22	.00	4.19
8.1-10.0	0	0	0	0	0	0	0	0	0	0	1	33	18	37	21	0	0	110
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.64	.90	1.84	1.04	.00	.00	5.47
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.89	.49	1.00	.57	.00	.00	2.97
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	21	41	59	5	0	0	126
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.04	2.04	2.93	.25	.00	.00	6.27
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	1.11	1.60	.14	.00	.00	3.41
ALL SPEEDS	70	118	132	57	83	150	173	173	155	156	166	122	88	190	113	65	0	2011
(1)	3.48	5.87	6.56	2.83	4.13	7.46	8.60	8.60	7.71	7.76	8.25	6.07	4.38	9.45	5.62	3.23	.00	100.00
(2)	1.89	3.19	3.57	1.54	2.24	4.06	4.68	4.68	4.19	4.22	4.49	3.30	2.38	5.14	3.05	1.76	.00	54.37

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Table 2.3-39—{NMPNS 30 ft (9-m) 2001-2005 January JFD}

(Page 5 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 17.46

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	1	3	3	2	1	2	2	1	0	0	1	0	0	1	0	18
(1)	.00	.15	.15	.46	.46	.31	.15	.31	.31	.15	.00	.00	.15	.00	.00	.15	.00	2.79
(2)	.00	.03	.03	.08	.08	.05	.03	.05	.05	.03	.00	.00	.03	.00	.00	.03	.00	.49
1.1- 1.5	0	1	3	3	4	1	11	4	1	2	1	1	1	1	0	0	0	34
(1)	.00	.15	.46	.46	.62	.15	1.70	.62	.15	.31	.15	.15	.15	.15	.00	.00	.00	5.26
(2)	.00	.03	.08	.08	.11	.03	.30	.11	.03	.05	.03	.03	.03	.03	.00	.00	.00	.92
1.6- 2.0	0	2	1	2	3	8	14	10	10	3	2	1	0	1	0	0	0	57
(1)	.00	.31	.15	.31	.46	1.24	2.17	1.55	1.55	.46	.31	.15	.00	.15	.00	.00	.00	8.82
(2)	.00	.05	.03	.05	.08	.22	.38	.27	.27	.08	.05	.03	.00	.03	.00	.00	.00	1.54
2.1- 3.0	1	0	2	1	6	19	39	43	35	12	9	9	0	2	0	0	0	178
(1)	.15	.00	.31	.15	.93	2.94	6.04	6.66	5.42	1.86	1.39	1.39	.00	.31	.00	.00	.00	27.55
(2)	.03	.00	.05	.03	.16	.51	1.05	1.16	.95	.32	.24	.24	.00	.05	.00	.00	.00	4.81
3.1- 4.0	0	0	0	0	0	6	34	36	34	16	7	10	3	0	0	1	0	147
(1)	.00	.00	.00	.00	.00	.93	5.26	5.57	5.26	2.48	1.08	1.55	.46	.00	.00	.15	.00	22.76
(2)	.00	.00	.00	.00	.00	.16	.92	.97	.92	.43	.19	.27	.08	.00	.00	.03	.00	3.97
4.1- 5.0	0	0	0	0	0	2	8	5	11	5	11	14	1	3	0	0	0	60
(1)	.00	.00	.00	.00	.00	.31	1.24	.77	1.70	.77	1.70	2.17	.15	.46	.00	.00	.00	9.29
(2)	.00	.00	.00	.00	.00	.05	.22	.14	.30	.14	.30	.38	.03	.08	.00	.00	.00	1.62
5.1- 6.0	0	0	0	0	0	0	7	0	4	0	16	9	1	1	0	0	0	38
(1)	.00	.00	.00	.00	.00	.00	1.08	.00	.62	.00	2.48	1.39	.15	.15	.00	.00	.00	5.88
(2)	.00	.00	.00	.00	.00	.00	.19	.00	.11	.00	.43	.24	.03	.03	.00	.00	.00	1.03
6.1- 8.0	0	0	0	0	0	0	8	6	2	0	2	14	5	4	0	0	0	41
(1)	.00	.00	.00	.00	.00	.00	1.24	.93	.31	.00	.31	2.17	.77	.62	.00	.00	.00	6.35
(2)	.00	.00	.00	.00	.00	.00	.22	.16	.05	.00	.05	.38	.14	.11	.00	.00	.00	1.11
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	5	17	14	0	0	0	36
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.77	2.63	2.17	.00	.00	.00	5.57
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.46	.38	.00	.00	.00	.97
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	4	20	13	0	0	0	37
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.62	3.10	2.01	.00	.00	.00	5.73
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.54	.35	.00	.00	.00	1.00
ALL SPEEDS	1	4	7	9	16	38	122	106	99	39	48	67	49	39	0	2	0	646
(1)	.15	.62	1.08	1.39	2.48	5.88	18.89	16.41	15.33	6.04	7.43	10.37	7.59	6.04	.00	.31	.00	100.00
(2)	.03	.11	.19	.24	.43	1.03	3.30	2.87	2.68	1.05	1.30	1.81	1.32	1.05	.00	.05	.00	17.46

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Table 2.3-39—{NMPNS 30 ft (9-m) 2001-2005 January JFD}

(Page 6 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 2.30

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	1.18	2.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.53
(2)	.00	.00	.00	.00	.00	.03	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
1.1- 1.5	0	0	0	0	0	3	6	2	0	0	0	0	0	0	1	0	0	12
(1)	.00	.00	.00	.00	.00	3.53	7.06	2.35	.00	.00	.00	.00	.00	.00	1.18	.00	.00	14.12
(2)	.00	.00	.00	.00	.00	.08	.16	.05	.00	.00	.00	.00	.00	.00	.03	.00	.00	.32
1.6- 2.0	0	0	0	0	1	1	12	2	0	0	0	0	0	0	0	0	0	16
(1)	.00	.00	.00	.00	1.18	1.18	14.12	2.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	18.82
(2)	.00	.00	.00	.00	.03	.03	.32	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.43
2.1- 3.0	0	0	1	0	0	4	9	8	1	0	0	0	0	0	0	0	0	23
(1)	.00	.00	1.18	.00	.00	4.71	10.59	9.41	1.18	.00	.00	.00	.00	.00	.00	.00	.00	27.06
(2)	.00	.00	.03	.00	.00	.11	.24	.22	.03	.00	.00	.00	.00	.00	.00	.00	.00	.62
3.1- 4.0	0	0	0	0	0	1	3	4	2	1	1	3	0	0	0	0	0	15
(1)	.00	.00	.00	.00	.00	1.18	3.53	4.71	2.35	1.18	1.18	3.53	.00	.00	.00	.00	.00	17.65
(2)	.00	.00	.00	.00	.00	.03	.08	.11	.05	.03	.03	.08	.00	.00	.00	.00	.00	.41
4.1- 5.0	0	0	0	0	0	0	2	1	1	0	0	4	0	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	.00	2.35	1.18	1.18	.00	.00	4.71	.00	.00	.00	.00	.00	9.41
(2)	.00	.00	.00	.00	.00	.00	.05	.03	.03	.00	.00	.11	.00	.00	.00	.00	.00	.22
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.71	.00	.00	.00	.00	.00	4.71
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.11
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.35	.00	.00	.00	.00	.00	2.35
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.05
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.18	.00	.00	.00	.00	1.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.18	.00	.00	.00	.00	1.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
ALL SPEEDS	0	0	1	0	1	10	34	17	4	1	1	13	2	0	1	0	0	85
(1)	.00	.00	1.18	.00	1.18	11.76	40.00	20.00	4.71	1.18	1.18	15.29	2.35	.00	1.18	.00	.00	100.00
(2)	.00	.00	.03	.00	.03	.27	.92	.46	.11	.03	.03	.35	.05	.00	.03	.00	.00	2.30

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Table 2.3-39—{NMPNS 30 ft (9-m) 2001-2005 January JFD}

(Page 7 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.65

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	2	0	0	0	3	1	1	0	0	0	0	0	0	0	0	0	7
(1)	.00	3.28	.00	.00	.00	4.92	1.64	1.64	.00	.00	.00	.00	.00	.00	.00	.00	.00	11.48
(2)	.00	.05	.00	.00	.00	.08	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.19
1.1- 1.5	0	0	0	0	0	3	5	2	0	0	0	0	0	0	0	0	0	10
(1)	.00	.00	.00	.00	.00	4.92	8.20	3.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	16.39
(2)	.00	.00	.00	.00	.00	.08	.14	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27
1.6- 2.0	0	0	0	0	0	2	6	4	0	1	0	0	0	0	0	0	0	13
(1)	.00	.00	.00	.00	.00	3.28	9.84	6.56	.00	1.64	.00	.00	.00	.00	.00	.00	.00	21.31
(2)	.00	.00	.00	.00	.00	.05	.16	.11	.00	.03	.00	.00	.00	.00	.00	.00	.00	.35
2.1- 3.0	0	0	0	0	0	4	7	10	2	0	0	0	0	0	0	0	0	23
(1)	.00	.00	.00	.00	.00	6.56	11.48	16.39	3.28	.00	.00	.00	.00	.00	.00	.00	.00	37.70
(2)	.00	.00	.00	.00	.00	.11	.19	.27	.05	.00	.00	.00	.00	.00	.00	.00	.00	.62
3.1- 4.0	0	0	0	0	0	0	1	3	2	0	0	0	0	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	1.64	4.92	3.28	.00	.00	.00	.00	.00	.00	.00	.00	9.84
(2)	.00	.00	.00	.00	.00	.00	.03	.08	.05	.00	.00	.00	.00	.00	.00	.00	.00	.16
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.28	.00	.00	.00	.00	.00	3.28
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.05
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	2	0	0	0	12	20	20	4	1	0	2	0	0	0	0	0	61
(1)	.00	3.28	.00	.00	.00	19.67	32.79	32.79	6.56	1.64	.00	3.28	.00	.00	.00	.00	.00	100.00
(2)	.00	.05	.00	.00	.00	.32	.54	.54	.11	.03	.00	.05	.00	.00	.00	.00	.00	1.65

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Table 2.3-39—{NMPNS 30 ft (9-m) 2001-2005 January JFD}

(Page 8 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
(2)	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
.3- .4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	0	4	5	5	6	7	5	3	3	1	2	1	1	0	2	2	0	47
(1)	.00	.11	.14	.14	.16	.19	.14	.08	.08	.03	.05	.03	.03	.00	.05	.05	.00	1.27
(2)	.00	.11	.14	.14	.16	.19	.14	.08	.08	.03	.05	.03	.03	.00	.05	.05	.00	1.27
1.1- 1.5	2	4	11	12	16	20	33	11	4	6	1	4	1	1	2	2	0	130
(1)	.05	.11	.30	.32	.43	.54	.89	.30	.11	.16	.03	.11	.03	.03	.05	.05	.00	3.51
(2)	.05	.11	.30	.32	.43	.54	.89	.30	.11	.16	.03	.11	.03	.03	.05	.05	.00	3.51
1.6- 2.0	7	10	12	23	25	28	54	31	16	5	3	3	2	3	2	7	0	231
(1)	.19	.27	.32	.62	.68	.76	1.46	.84	.43	.14	.08	.08	.05	.08	.05	.19	.00	6.24
(2)	.19	.27	.32	.62	.68	.76	1.46	.84	.43	.14	.08	.08	.05	.08	.05	.19	.00	6.24
2.1- 3.0	17	49	53	26	42	80	124	115	76	46	26	18	7	8	10	7	0	704
(1)	.46	1.32	1.43	.70	1.14	2.16	3.35	3.11	2.05	1.24	.70	.49	.19	.22	.27	.19	.00	19.03
(2)	.46	1.32	1.43	.70	1.14	2.16	3.35	3.11	2.05	1.24	.70	.49	.19	.22	.27	.19	.00	19.03
3.1- 4.0	21	61	46	4	12	46	81	95	111	87	48	22	6	15	12	30	0	697
(1)	.57	1.65	1.24	.11	.32	1.24	2.19	2.57	3.00	2.35	1.30	.59	.16	.41	.32	.81	.00	18.84
(2)	.57	1.65	1.24	.11	.32	1.24	2.19	2.57	3.00	2.35	1.30	.59	.16	.41	.32	.81	.00	18.84
4.1- 5.0	43	59	48	0	1	26	34	40	45	45	80	29	3	21	31	36	0	541
(1)	1.16	1.60	1.30	.00	.03	.70	.92	1.08	1.22	1.22	2.16	.78	.08	.57	.84	.97	.00	14.63
(2)	1.16	1.60	1.30	.00	.03	.70	.92	1.08	1.22	1.22	2.16	.78	.08	.57	.84	.97	.00	14.63
5.1- 6.0	39	21	16	0	0	5	14	10	9	6	44	26	8	36	44	18	0	296
(1)	1.05	.57	.43	.00	.00	.14	.38	.27	.24	.16	1.19	.70	.22	.97	1.19	.49	.00	8.00
(2)	1.05	.57	.43	.00	.00	.14	.38	.27	.24	.16	1.19	.70	.22	.97	1.19	.49	.00	8.00
6.1- 8.0	36	18	18	0	0	3	10	15	2	2	10	49	19	69	94	40	0	385
(1)	.97	.49	.49	.00	.00	.08	.27	.41	.05	.05	.27	1.32	.51	1.87	2.54	1.08	.00	10.41
(2)	.97	.49	.49	.00	.00	.08	.27	.41	.05	.05	.27	1.32	.51	1.87	2.54	1.08	.00	10.41
8.1-10.0	7	2	2	0	0	0	0	0	0	0	2	48	46	76	97	12	0	292
(1)	.19	.05	.05	.00	.00	.00	.00	.00	.00	.00	.05	1.30	1.24	2.05	2.62	.32	.00	7.89
(2)	.19	.05	.05	.00	.00	.00	.00	.00	.00	.00	.05	1.30	1.24	2.05	2.62	.32	.00	7.89
10.1-40.3	2	0	0	0	0	0	0	0	0	0	0	53	93	161	64	0	0	373
(1)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.43	2.51	4.35	1.73	.00	.00	10.08
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.43	2.51	4.35	1.73	.00	.00	10.08
ALL SPEEDS	174	228	212	71	102	215	356	320	266	198	216	253	186	390	358	154	0	3699
(1)	4.70	6.16	5.73	1.92	2.76	5.81	9.62	8.65	7.19	5.35	5.84	6.84	5.03	10.54	9.68	4.16	.00	100.00
(2)	4.70	6.16	5.73	1.92	2.76	5.81	9.62	8.65	7.19	5.35	5.84	6.84	5.03	10.54	9.68	4.16	.00	100.00

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Table 2.3-40—{NMPNS 30 ft (9-m) 2001-2005 February JFD}

(Page 1 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 8.32

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.36
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.36	.36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.72
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
1.6- 2.0	1	1	2	1	0	0	0	0	0	1	0	0	0	0	0	2	0	8
(1)	.36	.36	.72	.36	.00	.00	.00	.00	.00	.36	.00	.00	.00	.00	.00	.72	.00	2.88
(2)	.03	.03	.06	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.06	.00	.24
2.1- 3.0	2	4	1	0	0	0	1	1	3	1	0	0	0	0	3	1	0	17
(1)	.72	1.44	.36	.00	.00	.00	.36	.36	1.08	.36	.00	.00	.00	.00	1.08	.36	.00	6.12
(2)	.06	.12	.03	.00	.00	.00	.03	.03	.09	.03	.00	.00	.00	.00	.09	.03	.00	.51
3.1- 4.0	2	4	0	0	0	1	1	0	0	0	0	0	0	0	2	4	0	14
(1)	.72	1.44	.00	.00	.00	.36	.36	.00	.00	.00	.00	.00	.00	.00	.72	1.44	.00	5.04
(2)	.06	.12	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.06	.12	.00	.42
4.1- 5.0	6	0	0	0	0	0	0	1	0	0	0	0	0	0	4	1	0	12
(1)	2.16	.00	.00	.00	.00	.00	.00	.36	.00	.00	.00	.00	.00	.00	1.44	.36	.00	4.32
(2)	.18	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.12	.03	.00	.36
5.1- 6.0	2	2	0	0	0	0	0	1	0	0	0	0	0	3	5	2	0	15
(1)	.72	.72	.00	.00	.00	.00	.00	.36	.00	.00	.00	.00	.00	1.08	1.80	.72	.00	5.40
(2)	.06	.06	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.09	.15	.06	.00	.45
6.1- 8.0	5	2	0	0	0	0	2	0	0	0	0	3	1	3	18	13	0	47
(1)	1.80	.72	.00	.00	.00	.00	.72	.00	.00	.00	.00	1.08	.36	1.08	6.47	4.68	.00	16.91
(2)	.15	.06	.00	.00	.00	.00	.06	.00	.00	.00	.00	.09	.03	.09	.54	.39	.00	1.41
8.1-10.0	2	0	0	0	0	0	0	0	0	0	0	3	0	19	35	0	0	59
(1)	.72	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.08	.00	6.83	12.59	.00	.00	21.22
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.57	1.05	.00	.00	1.77
10.1-40.3	3	0	0	0	0	0	0	0	0	0	0	3	1	67	29	0	0	103
(1)	1.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.08	.36	24.10	10.43	.00	.00	37.05
(2)	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.03	2.00	.87	.00	.00	3.08
ALL SPEEDS	24	14	3	2	0	1	4	3	3	2	0	9	2	92	96	23	0	278
(1)	8.63	5.04	1.08	.72	.00	.36	1.44	1.08	1.08	.72	.00	3.24	.72	33.09	34.53	8.27	.00	100.00
(2)	.72	.42	.09	.06	.00	.03	.12	.09	.09	.06	.00	.27	.06	2.75	2.87	.69	.00	8.32

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Table 2.3-40—{NMPNS 30 ft (9-m) 2001-2005 February JFD}

(Page 2 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 6.01

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.6- 2.0	2	1	0	2	1	0	0	0	0	0	0	0	0	0	3	1	0	10
(1)	1.00	.50	.00	1.00	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.49	.50	.00	4.98
(2)	.06	.03	.00	.06	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.03	.00	.30
2.1- 3.0	2	2	1	2	0	0	1	0	0	0	0	0	0	2	2	4	0	16
(1)	1.00	1.00	.50	1.00	.00	.00	.50	.00	.00	.00	.00	.00	.00	1.00	1.00	1.99	.00	7.96
(2)	.06	.06	.03	.06	.00	.00	.03	.00	.00	.00	.00	.00	.00	.06	.06	.12	.00	.48
3.1- 4.0	2	2	0	0	0	1	3	4	0	0	0	0	0	0	2	0	0	14
(1)	1.00	1.00	.00	.00	.00	.50	1.49	1.99	.00	.00	.00	.00	.00	.00	1.00	.00	.00	6.97
(2)	.06	.06	.00	.00	.00	.03	.09	.12	.00	.00	.00	.00	.00	.00	.06	.00	.00	.42
4.1- 5.0	4	2	0	0	0	0	0	0	0	0	0	3	0	4	4	5	0	22
(1)	1.99	1.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.49	.00	1.99	1.99	2.49	.00	10.95
(2)	.12	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.12	.12	.15	.00	.66
5.1- 6.0	5	0	1	0	0	0	0	0	0	0	1	1	1	2	5	6	0	22
(1)	2.49	.00	.50	.00	.00	.00	.00	.00	.00	.00	.50	.50	.50	1.00	2.49	2.99	.00	10.95
(2)	.15	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03	.03	.03	.06	.15	.18	.00	.66
6.1- 8.0	3	0	0	0	0	0	1	0	0	0	0	4	1	8	17	14	0	48
(1)	1.49	.00	.00	.00	.00	.00	.50	.00	.00	.00	.00	1.99	.50	3.98	8.46	6.97	.00	23.88
(2)	.09	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.12	.03	.24	.51	.42	.00	1.44
8.1-10.0	2	0	0	0	0	0	0	0	0	0	0	3	0	8	19	4	0	36
(1)	1.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.49	.00	3.98	9.45	1.99	.00	17.91
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.24	.57	.12	.00	1.08
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	5	17	10	0	0	32
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.49	8.46	4.98	.00	.00	15.92
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.51	.30	.00	.00	.96
ALL SPEEDS	20	8	2	4	1	1	5	4	0	0	1	11	7	41	62	34	0	201
(1)	9.95	3.98	1.00	1.99	.50	.50	2.49	1.99	.00	.00	.50	5.47	3.48	20.40	30.85	16.92	.00	100.00
(2)	.60	.24	.06	.12	.03	.03	.15	.12	.00	.00	.03	.33	.21	1.23	1.86	1.02	.00	6.01

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Table 2.3-40—{NMPNS 30 ft (9-m) 2001-2005 February JFD}

(Page 3 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.27

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4
(1)	.41	.41	.00	.00	.82	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.65
(2)	.03	.03	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12
1.6- 2.0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	4	0	12
(1)	.41	.41	.41	.41	.41	.41	.41	.00	.00	.00	.00	.00	.00	.41	.00	1.65	.00	4.94
(2)	.03	.03	.03	.03	.03	.03	.03	.00	.00	.00	.00	.00	.00	.03	.00	.12	.00	.36
2.1- 3.0	2	5	10	4	0	0	3	0	1	0	0	1	1	4	3	4	0	38
(1)	.82	2.06	4.12	1.65	.00	.00	1.23	.00	.41	.00	.00	.41	.41	1.65	1.23	1.65	.00	15.64
(2)	.06	.15	.30	.12	.00	.00	.09	.00	.03	.00	.00	.03	.03	.12	.09	.12	.00	1.14
3.1- 4.0	1	1	3	0	0	2	5	1	0	0	0	0	1	4	7	6	0	31
(1)	.41	.41	1.23	.00	.00	.82	2.06	.41	.00	.00	.00	.00	.41	1.65	2.88	2.47	.00	12.76
(2)	.03	.03	.09	.00	.00	.06	.15	.03	.00	.00	.00	.00	.03	.12	.21	.18	.00	.93
4.1- 5.0	3	4	1	0	0	0	0	2	1	0	0	0	0	2	6	5	0	24
(1)	1.23	1.65	.41	.00	.00	.00	.00	.82	.41	.00	.00	.00	.00	.82	2.47	2.06	.00	9.88
(2)	.09	.12	.03	.00	.00	.00	.00	.06	.03	.00	.00	.00	.00	.06	.18	.15	.00	.72
5.1- 6.0	6	2	0	0	0	0	0	0	0	0	0	3	1	5	7	6	0	30
(1)	2.47	.82	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.23	.41	2.06	2.88	2.47	.00	12.35
(2)	.18	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.03	.15	.21	.18	.00	.90
6.1- 8.0	8	0	0	0	0	0	0	0	0	0	2	3	0	4	13	9	0	39
(1)	3.29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.82	1.23	.00	1.65	5.35	3.70	.00	16.05
(2)	.24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.09	.00	.12	.39	.27	.00	1.17
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	2	7	13	9	2	0	33
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.82	2.88	5.35	3.70	.82	.00	13.58
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.21	.39	.27	.06	.00	.99
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	3	24	4	0	0	32
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.41	1.23	9.88	1.65	.00	.00	13.17
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.09	.72	.12	.00	.00	.96
ALL SPEEDS	22	14	15	5	3	3	9	3	2	0	2	10	13	57	49	36	0	243
(1)	9.05	5.76	6.17	2.06	1.23	1.23	3.70	1.23	.82	.00	.82	4.12	5.35	23.46	20.16	14.81	.00	100.00
(2)	.66	.42	.45	.15	.09	.09	.27	.09	.06	.00	.06	.30	.39	1.71	1.47	1.08	.00	7.27

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Table 2.3-40—{NMPNS 30 ft (9-m) 2001-2005 February JFD}

(Page 4 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 51.05

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	3	3	3	1	6	1	5	2	1	1	0	3	1	1	0	32
(1)	.00	.06	.18	.18	.18	.06	.35	.06	.29	.12	.06	.06	.00	.18	.06	.06	.00	1.88
(2)	.00	.03	.09	.09	.09	.03	.18	.03	.15	.06	.03	.03	.00	.09	.03	.03	.00	.96
1.1- 1.5	3	5	7	9	6	8	10	3	7	4	3	3	0	1	3	2	0	74
(1)	.18	.29	.41	.53	.35	.47	.59	.18	.41	.23	.18	.18	.00	.06	.18	.12	.00	4.34
(2)	.09	.15	.21	.27	.18	.24	.30	.09	.21	.12	.09	.09	.00	.03	.09	.06	.00	2.21
1.6- 2.0	5	12	21	20	8	13	21	10	10	7	4	3	2	4	3	7	0	150
(1)	.29	.70	1.23	1.17	.47	.76	1.23	.59	.59	.41	.23	.18	.12	.23	.18	.41	.00	8.79
(2)	.15	.36	.63	.60	.24	.39	.63	.30	.30	.21	.12	.09	.06	.12	.09	.21	.00	4.49
2.1- 3.0	9	33	34	10	23	33	43	30	17	12	4	7	8	5	14	17	0	299
(1)	.53	1.93	1.99	.59	1.35	1.93	2.52	1.76	1.00	.70	.23	.41	.47	.29	.82	1.00	.00	17.53
(2)	.27	.99	1.02	.30	.69	.99	1.29	.90	.51	.36	.12	.21	.24	.15	.42	.51	.00	8.95
3.1- 4.0	15	22	34	1	0	30	62	39	40	30	18	16	7	8	12	14	0	348
(1)	.88	1.29	1.99	.06	.00	1.76	3.63	2.29	2.34	1.76	1.06	.94	.41	.47	.70	.82	.00	20.40
(2)	.45	.66	1.02	.03	.00	.90	1.86	1.17	1.20	.90	.54	.48	.21	.24	.36	.42	.00	10.41
4.1- 5.0	9	14	5	0	0	19	30	17	26	19	34	19	9	10	26	16	0	253
(1)	.53	.82	.29	.00	.00	1.11	1.76	1.00	1.52	1.11	1.99	1.11	.53	.59	1.52	.94	.00	14.83
(2)	.27	.42	.15	.00	.00	.57	.90	.51	.78	.57	1.02	.57	.27	.30	.78	.48	.00	7.57
5.1- 6.0	10	4	0	0	0	9	28	6	13	3	16	23	8	14	24	15	0	173
(1)	.59	.23	.00	.00	.00	.53	1.64	.35	.76	.18	.94	1.35	.47	.82	1.41	.88	.00	10.14
(2)	.30	.12	.00	.00	.00	.27	.84	.18	.39	.09	.48	.69	.24	.42	.72	.45	.00	5.18
6.1- 8.0	5	1	0	0	0	5	11	3	5	0	8	41	18	39	22	6	0	164
(1)	.29	.06	.00	.00	.00	.29	.64	.18	.29	.00	.47	2.40	1.06	2.29	1.29	.35	.00	9.61
(2)	.15	.03	.00	.00	.00	.15	.33	.09	.15	.00	.24	1.23	.54	1.17	.66	.18	.00	4.91
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	22	27	26	8	4	0	87
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.29	1.58	1.52	.47	.23	.00	5.10
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.66	.81	.78	.24	.12	.00	2.60
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	18	49	51	8	0	0	126
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.06	2.87	2.99	.47	.00	.00	7.39
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.54	1.47	1.53	.24	.00	.00	3.77
ALL SPEEDS	56	92	104	43	40	118	211	109	123	77	88	153	128	161	121	82	0	1706
(1)	3.28	5.39	6.10	2.52	2.34	6.92	12.37	6.39	7.21	4.51	5.16	8.97	7.50	9.44	7.09	4.81	.00	100.00
(2)	1.68	2.75	3.11	1.29	1.20	3.53	6.31	3.26	3.68	2.30	2.63	4.58	3.83	4.82	3.62	2.45	.00	51.05

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Table 2.3-40—{NMPNS 30 ft (9-m) 2001-2005 February JFD}

(Page 5 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 22.44

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	3	2	4	1	7	1	2	0	0	2	1	0	2	0	25
(1)	.00	.00	.00	.40	.27	.53	.13	.93	.13	.27	.00	.00	.27	.13	.00	.27	.00	3.33
(2)	.00	.00	.00	.09	.06	.12	.03	.21	.03	.06	.00	.00	.06	.03	.00	.06	.00	.75
1.1- 1.5	1	1	2	4	7	13	15	9	7	3	0	7	1	1	0	0	0	71
(1)	.13	.13	.27	.53	.93	1.73	2.00	1.20	.93	.40	.00	.93	.13	.13	.00	.00	.00	9.47
(2)	.03	.03	.06	.12	.21	.39	.45	.27	.21	.09	.00	.21	.03	.03	.00	.00	.00	2.12
1.6- 2.0	1	1	5	7	6	21	10	14	7	2	2	3	0	0	1	0	0	80
(1)	.13	.13	.67	.93	.80	2.80	1.33	1.87	.93	.27	.27	.40	.00	.00	.13	.00	.00	10.67
(2)	.03	.03	.15	.21	.18	.63	.30	.42	.21	.06	.06	.09	.00	.00	.03	.00	.00	2.39
2.1- 3.0	0	4	6	3	7	27	51	34	28	11	5	12	0	4	2	1	0	195
(1)	.00	.53	.80	.40	.93	3.60	6.80	4.53	3.73	1.47	.67	1.60	.00	.53	.27	.13	.00	26.00
(2)	.00	.12	.18	.09	.21	.81	1.53	1.02	.84	.33	.15	.36	.00	.12	.06	.03	.00	5.83
3.1- 4.0	1	0	0	0	1	15	51	49	31	18	15	15	2	0	0	1	0	199
(1)	.13	.00	.00	.00	.13	2.00	6.80	6.53	4.13	2.40	2.00	2.00	.27	.00	.00	.13	.00	26.53
(2)	.03	.00	.00	.00	.03	.45	1.53	1.47	.93	.54	.45	.45	.06	.00	.00	.03	.00	5.95
4.1- 5.0	0	0	0	0	0	4	14	17	11	2	7	20	3	1	5	0	0	84
(1)	.00	.00	.00	.00	.00	.53	1.87	2.27	1.47	.27	.93	2.67	.40	.13	.67	.00	.00	11.20
(2)	.00	.00	.00	.00	.00	.12	.42	.51	.33	.06	.21	.60	.09	.03	.15	.00	.00	2.51
5.1- 6.0	0	0	0	0	0	0	3	2	2	1	2	8	7	3	3	0	0	31
(1)	.00	.00	.00	.00	.00	.00	.40	.27	.27	.13	.27	1.07	.93	.40	.40	.00	.00	4.13
(2)	.00	.00	.00	.00	.00	.00	.09	.06	.06	.03	.06	.24	.21	.09	.09	.00	.00	.93
6.1- 8.0	0	0	0	0	0	0	2	0	1	0	7	10	4	6	1	0	0	31
(1)	.00	.00	.00	.00	.00	.00	.27	.00	.13	.00	.93	1.33	.53	.80	.13	.00	.00	4.13
(2)	.00	.00	.00	.00	.00	.00	.06	.00	.03	.00	.21	.30	.12	.18	.03	.00	.00	.93
8.1-10.0	0	0	0	0	0	0	0	0	0	0	1	4	7	6	0	0	0	18
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13	.53	.93	.80	.00	.00	.00	2.40
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.12	.21	.18	.00	.00	.00	.54
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	7	7	2	0	0	0	16
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.93	.93	.27	.00	.00	.00	2.13
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.21	.06	.00	.00	.00	.48
ALL SPEEDS	3	6	13	17	23	84	147	132	88	39	39	86	33	24	12	4	0	750
(1)	.40	.80	1.73	2.27	3.07	11.20	19.60	17.60	11.73	5.20	5.20	11.47	4.40	3.20	1.60	.53	.00	100.00
(2)	.09	.18	.39	.51	.69	2.51	4.40	3.95	2.63	1.17	1.17	2.57	.99	.72	.36	.12	.00	22.44

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Table 2.3-40—{NMPNS 30 ft (9-m) 2001-2005 February JFD}

(Page 6 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 2.99

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	1	1	2	0	0	0	0	1	0	0	0	0	0	6
(1)	.00	.00	.00	1.00	1.00	1.00	2.00	.00	.00	.00	.00	1.00	.00	.00	.00	.00	.00	6.00
(2)	.00	.00	.00	.03	.03	.03	.06	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.18
1.1- 1.5	0	0	0	0	1	6	2	4	2	0	0	0	0	0	0	0	0	15
(1)	.00	.00	.00	.00	1.00	6.00	2.00	4.00	2.00	.00	.00	.00	.00	.00	.00	.00	.00	15.00
(2)	.00	.00	.00	.00	.03	.18	.06	.12	.06	.00	.00	.00	.00	.00	.00	.00	.00	.45
1.6- 2.0	0	0	1	1	1	8	11	2	2	0	0	1	0	0	0	0	0	27
(1)	.00	.00	1.00	1.00	1.00	8.00	11.00	2.00	2.00	.00	.00	1.00	.00	.00	.00	.00	.00	27.00
(2)	.00	.00	.03	.03	.03	.24	.33	.06	.06	.00	.00	.03	.00	.00	.00	.00	.00	.81
2.1- 3.0	0	0	0	0	1	6	11	5	1	8	0	3	2	0	0	0	0	37
(1)	.00	.00	.00	.00	1.00	6.00	11.00	5.00	1.00	8.00	.00	3.00	2.00	.00	.00	.00	.00	37.00
(2)	.00	.00	.00	.00	.03	.18	.33	.15	.03	.24	.00	.09	.06	.00	.00	.00	.00	1.11
3.1- 4.0	0	1	0	0	0	0	1	3	0	4	0	3	0	0	0	0	0	12
(1)	.00	1.00	.00	.00	.00	.00	1.00	3.00	.00	4.00	.00	3.00	.00	.00	.00	.00	.00	12.00
(2)	.00	.03	.00	.00	.00	.00	.03	.09	.00	.12	.00	.09	.00	.00	.00	.00	.00	.36
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00	1.00	.00	.00	.00	.00	2.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.06
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00	.00	.00	.00	.00	.00	1.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	1	1	2	4	21	27	14	5	12	0	10	3	0	0	0	0	100
(1)	.00	1.00	1.00	2.00	4.00	21.00	27.00	14.00	5.00	12.00	.00	10.00	3.00	.00	.00	.00	.00	100.00
(2)	.00	.03	.03	.06	.12	.63	.81	.42	.15	.36	.00	.30	.09	.00	.00	.00	.00	2.99

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Table 2.3-40—{NMPNS 30 ft (9-m) 2001-2005 February JFD}

(Page 7 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.92

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	3	6	3	0	0	0	0	0	0	0	0	0	12
(1)	.00	.00	.00	.00	.00	4.69	9.38	4.69	.00	.00	.00	.00	.00	.00	.00	.00	.00	18.75
(2)	.00	.00	.00	.00	.00	.09	.18	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.36
1.1- 1.5	0	0	1	0	0	2	16	2	0	0	0	0	0	0	0	0	0	21
(1)	.00	.00	1.56	.00	.00	3.13	25.00	3.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	32.81
(2)	.00	.00	.03	.00	.00	.06	.48	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.63
1.6- 2.0	0	0	0	0	1	1	6	6	2	0	0	0	0	0	0	0	0	16
(1)	.00	.00	.00	.00	1.56	1.56	9.38	9.38	3.13	.00	.00	.00	.00	.00	.00	.00	.00	25.00
(2)	.00	.00	.00	.00	.03	.03	.18	.18	.06	.00	.00	.00	.00	.00	.00	.00	.00	.48
2.1- 3.0	0	0	0	0	0	4	6	3	1	1	0	0	0	0	0	0	0	15
(1)	.00	.00	.00	.00	.00	6.25	9.38	4.69	1.56	1.56	.00	.00	.00	.00	.00	.00	.00	23.44
(2)	.00	.00	.00	.00	.00	.12	.18	.09	.03	.03	.00	.00	.00	.00	.00	.00	.00	.45
3.1- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	1	0	1	10	34	14	3	1	0	0	0	0	0	0	0	64
(1)	.00	.00	1.56	.00	1.56	15.63	53.13	21.88	4.69	1.56	.00	.00	.00	.00	.00	.00	.00	100.00
(2)	.00	.00	.03	.00	.03	.30	1.02	.42	.09	.03	.00	.00	.00	.00	.00	.00	.00	1.92

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Table 2.3-40—{NMPNS 30 ft (9-m) 2001-2005 February JFD}

(Page 8 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	3	8	6	9	15	11	6	4	1	2	2	4	1	3	0	76
(1)	.00	.03	.09	.24	.18	.27	.45	.33	.18	.12	.03	.06	.06	.12	.03	.09	.00	2.27
(2)	.00	.03	.09	.24	.18	.27	.45	.33	.18	.12	.03	.06	.06	.12	.03	.09	.00	2.27
1.1- 1.5	6	9	10	13	16	29	43	18	16	7	3	10	1	2	3	2	0	188
(1)	.18	.27	.30	.39	.48	.87	1.29	.54	.48	.21	.09	.30	.03	.06	.09	.06	.00	5.63
(2)	.18	.27	.30	.39	.48	.87	1.29	.54	.48	.21	.09	.30	.03	.06	.09	.06	.00	5.63
1.6- 2.0	10	16	30	32	18	44	49	32	21	10	6	7	2	5	7	14	0	303
(1)	.30	.48	.90	.96	.54	1.32	1.47	.96	.63	.30	.18	.21	.06	.15	.21	.42	.00	9.07
(2)	.30	.48	.90	.96	.54	1.32	1.47	.96	.63	.30	.18	.21	.06	.15	.21	.42	.00	9.07
2.1- 3.0	15	48	52	19	31	70	116	73	51	33	9	23	11	15	24	27	0	617
(1)	.45	1.44	1.56	.57	.93	2.09	3.47	2.18	1.53	.99	.27	.69	.33	.45	.72	.81	.00	18.46
(2)	.45	1.44	1.56	.57	.93	2.09	3.47	2.18	1.53	.99	.27	.69	.33	.45	.72	.81	.00	18.46
3.1- 4.0	21	30	37	1	1	49	123	96	71	52	33	34	10	12	23	25	0	618
(1)	.63	.90	1.11	.03	.03	1.47	3.68	2.87	2.12	1.56	.99	1.02	.30	.36	.69	.75	.00	18.49
(2)	.63	.90	1.11	.03	.03	1.47	3.68	2.87	2.12	1.56	.99	1.02	.30	.36	.69	.75	.00	18.49
4.1- 5.0	22	20	6	0	0	23	44	37	38	21	41	43	13	17	45	27	0	397
(1)	.66	.60	.18	.00	.00	.69	1.32	1.11	1.14	.63	1.23	1.29	.39	.51	1.35	.81	.00	11.88
(2)	.66	.60	.18	.00	.00	.69	1.32	1.11	1.14	.63	1.23	1.29	.39	.51	1.35	.81	.00	11.88
5.1- 6.0	23	8	1	0	0	9	31	9	15	4	19	36	17	27	44	29	0	272
(1)	.69	.24	.03	.00	.00	.27	.93	.27	.45	.12	.57	1.08	.51	.81	1.32	.87	.00	8.14
(2)	.69	.24	.03	.00	.00	.27	.93	.27	.45	.12	.57	1.08	.51	.81	1.32	.87	.00	8.14
6.1- 8.0	21	3	0	0	0	5	16	3	6	0	17	61	24	60	71	42	0	329
(1)	.63	.09	.00	.00	.00	.15	.48	.09	.18	.00	.51	1.83	.72	1.80	2.12	1.26	.00	9.84
(2)	.63	.09	.00	.00	.00	.15	.48	.09	.18	.00	.51	1.83	.72	1.80	2.12	1.26	.00	9.84
8.1-10.0	4	0	0	0	0	0	0	0	0	0	1	34	41	72	71	10	0	233
(1)	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	1.02	1.23	2.15	2.12	.30	.00	6.97
(2)	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	1.02	1.23	2.15	2.12	.30	.00	6.97
10.1-40.3	3	0	0	0	0	0	0	0	0	0	0	29	65	161	51	0	0	309
(1)	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.87	1.94	4.82	1.53	.00	.00	9.25
(2)	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.87	1.94	4.82	1.53	.00	.00	9.25
ALL SPEEDS	125	135	139	73	72	238	437	279	224	131	130	279	186	375	340	179	0	3342
(1)	3.74	4.04	4.16	2.18	2.15	7.12	13.08	8.35	6.70	3.92	3.89	8.35	5.57	11.22	10.17	5.36	.00	100.00
(2)	3.74	4.04	4.16	2.18	2.15	7.12	13.08	8.35	6.70	3.92	3.89	8.35	5.57	11.22	10.17	5.36	.00	100.00

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Table 2.3-41—{NMPNS 30 ft (9-m) 2001-2005 March JFD}

(Page 1 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 7.45

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3
(1)	.72	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.36	.00	.00	1.09
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.08
2.1- 3.0	8	8	3	0	3	0	0	0	0	0	0	0	0	0	6	9	0	37
(1)	2.90	2.90	1.09	.00	1.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.17	3.26	.00	13.41
(2)	.22	.22	.08	.00	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.24	.00	1.00
3.1- 4.0	15	21	1	0	0	1	1	0	0	0	0	0	1	2	2	4	0	48
(1)	5.43	7.61	.36	.00	.00	.36	.36	.00	.00	.00	.00	.00	.36	.72	.72	1.45	.00	17.39
(2)	.40	.57	.03	.00	.00	.03	.03	.00	.00	.00	.00	.00	.03	.05	.05	.11	.00	1.30
4.1- 5.0	5	0	1	0	0	0	0	3	0	0	0	0	0	0	2	5	0	16
(1)	1.81	.00	.36	.00	.00	.00	.00	1.09	.00	.00	.00	.00	.00	.00	.72	1.81	.00	5.80
(2)	.13	.00	.03	.00	.00	.00	.00	.08	.00	.00	.00	.00	.00	.00	.05	.13	.00	.43
5.1- 6.0	5	1	0	0	0	0	2	0	0	0	0	0	0	1	0	2	0	11
(1)	1.81	.36	.00	.00	.00	.00	.72	.00	.00	.00	.00	.00	.00	.36	.00	.72	.00	3.99
(2)	.13	.03	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.03	.00	.05	.00	.30
6.1- 8.0	6	0	0	0	0	0	1	0	0	0	0	0	0	2	8	15	0	32
(1)	2.17	.00	.00	.00	.00	.00	.36	.00	.00	.00	.00	.00	.00	.72	2.90	5.43	.00	11.59
(2)	.16	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.05	.22	.40	.00	.86
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	4	3	6	25	2	0	40
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.45	1.09	2.17	9.06	.72	.00	14.49
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.08	.16	.67	.05	.00	1.08
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	8	28	35	18	0	0	89
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.90	10.14	12.68	6.52	.00	.00	32.25
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.76	.94	.49	.00	.00	2.40
ALL SPEEDS	41	30	5	0	3	1	4	3	0	0	0	12	32	46	62	37	0	276
(1)	14.86	10.87	1.81	.00	1.09	.36	1.45	1.09	.00	.00	.00	4.35	11.59	16.67	22.46	13.41	.00	100.00
(2)	1.11	.81	.13	.00	.08	.03	.11	.08	.00	.00	.00	.32	.86	1.24	1.67	1.00	.00	7.45

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Table 2.3-41—{NMPNS 30 ft (9-m) 2001-2005 March JFD}

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NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 6.29

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.43	.43	.00	.00	.86
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.05
1.6- 2.0	1	1	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	6
(1)	.43	.43	.86	.00	.00	.00	.00	.00	.00	.00	.00	.43	.00	.00	.00	.43	.00	2.58
(2)	.03	.03	.05	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.00	.16
2.1- 3.0	6	4	4	1	1	0	0	0	0	0	0	1	0	0	2	3	0	22
(1)	2.58	1.72	1.72	.43	.43	.00	.00	.00	.00	.00	.00	.43	.00	.00	.86	1.29	.00	9.44
(2)	.16	.11	.11	.03	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.05	.08	.00	.59
3.1- 4.0	9	4	3	0	0	1	1	1	4	0	0	3	2	0	1	4	0	33
(1)	3.86	1.72	1.29	.00	.00	.43	.43	.43	1.72	.00	.00	1.29	.86	.00	.43	1.72	.00	14.16
(2)	.24	.11	.08	.00	.00	.03	.03	.03	.11	.00	.00	.08	.05	.00	.03	.11	.00	.89
4.1- 5.0	5	4	0	0	0	0	1	1	0	0	0	2	0	1	3	2	0	19
(1)	2.15	1.72	.00	.00	.00	.00	.43	.43	.00	.00	.00	.86	.00	.43	1.29	.86	.00	8.15
(2)	.13	.11	.00	.00	.00	.00	.03	.03	.00	.00	.00	.05	.00	.03	.08	.05	.00	.51
5.1- 6.0	6	1	0	0	0	0	5	1	0	0	0	0	0	1	1	9	0	24
(1)	2.58	.43	.00	.00	.00	.00	2.15	.43	.00	.00	.00	.00	.00	.43	.43	3.86	.00	10.30
(2)	.16	.03	.00	.00	.00	.00	.13	.03	.00	.00	.00	.00	.00	.03	.03	.24	.00	.65
6.1- 8.0	6	0	0	0	0	0	5	0	0	0	0	2	3	5	14	6	0	41
(1)	2.58	.00	.00	.00	.00	.00	2.15	.00	.00	.00	.00	.86	1.29	2.15	6.01	2.58	.00	17.60
(2)	.16	.00	.00	.00	.00	.00	.13	.00	.00	.00	.00	.05	.08	.13	.38	.16	.00	1.11
8.1-10.0	1	0	0	0	0	0	0	0	0	0	0	1	13	10	12	4	0	41
(1)	.43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.43	5.58	4.29	5.15	1.72	.00	17.60
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.35	.27	.32	.11	.00	1.11
10.1-40.3	3	0	0	0	0	0	0	0	0	0	0	6	7	26	3	0	0	45
(1)	1.29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.58	3.00	11.16	1.29	.00	.00	19.31
(2)	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.19	.70	.08	.00	.00	1.21
ALL SPEEDS	37	14	9	1	1	1	12	3	4	0	0	16	25	44	37	29	0	233
(1)	15.88	6.01	3.86	.43	.43	.43	5.15	1.29	1.72	.00	.00	6.87	10.73	18.88	15.88	12.45	.00	100.00
(2)	1.00	.38	.24	.03	.03	.03	.32	.08	.11	.00	.00	.43	.67	1.19	1.00	.78	.00	6.29

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Table 2.3-41—{NMPNS 30 ft (9-m) 2001-2005 March JFD}

(Page 3 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 6.72

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	1	1	0	1	1	1	0	0	0	0	0	0	1	0	0	0	6
(1)	.00	.40	.40	.00	.40	.40	.40	.00	.00	.00	.00	.00	.00	.40	.00	.00	.00	2.41
(2)	.00	.03	.03	.00	.03	.03	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.16
2.1- 3.0	5	11	7	4	2	6	1	0	1	0	0	3	0	2	1	1	0	44
(1)	2.01	4.42	2.81	1.61	.80	2.41	.40	.00	.40	.00	.00	1.20	.00	.80	.40	.40	.00	17.67
(2)	.13	.30	.19	.11	.05	.16	.03	.00	.03	.00	.00	.08	.00	.05	.03	.03	.00	1.19
3.1- 4.0	5	7	6	0	0	3	6	4	3	1	2	4	2	1	3	0	0	47
(1)	2.01	2.81	2.41	.00	.00	1.20	2.41	1.61	1.20	.40	.80	1.61	.80	.40	1.20	.00	.00	18.88
(2)	.13	.19	.16	.00	.00	.08	.16	.11	.08	.03	.05	.11	.05	.03	.08	.00	.00	1.27
4.1- 5.0	5	2	0	0	0	0	5	1	1	0	0	2	1	4	5	3	0	29
(1)	2.01	.80	.00	.00	.00	.00	2.01	.40	.40	.00	.00	.80	.40	1.61	2.01	1.20	.00	11.65
(2)	.13	.05	.00	.00	.00	.00	.13	.03	.03	.00	.00	.05	.03	.11	.13	.08	.00	.78
5.1- 6.0	3	1	0	0	0	0	0	1	1	0	0	2	6	9	4	1	0	28
(1)	1.20	.40	.00	.00	.00	.00	.00	.40	.40	.00	.00	.80	2.41	3.61	1.61	.40	.00	11.24
(2)	.08	.03	.00	.00	.00	.00	.00	.03	.03	.00	.00	.05	.16	.24	.11	.03	.00	.76
6.1- 8.0	5	0	0	0	0	0	1	1	0	0	1	4	5	11	10	11	0	49
(1)	2.01	.00	.00	.00	.00	.00	.40	.40	.00	.00	.40	1.61	2.01	4.42	4.02	4.42	.00	19.68
(2)	.13	.00	.00	.00	.00	.00	.03	.03	.00	.00	.03	.11	.13	.30	.27	.30	.00	1.32
8.1-10.0	1	0	0	0	0	0	0	0	0	0	0	1	7	3	3	2	0	17
(1)	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	2.81	1.20	1.20	.80	.00	6.83
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.19	.08	.08	.05	.00	.46
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	4	16	9	0	0	0	29
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.61	6.43	3.61	.00	.00	.00	11.65
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.43	.24	.00	.00	.00	.78
ALL SPEEDS	24	22	14	4	3	10	14	7	6	1	3	20	37	40	26	18	0	249
(1)	9.64	8.84	5.62	1.61	1.20	4.02	5.62	2.81	2.41	.40	1.20	8.03	14.86	16.06	10.44	7.23	.00	100.00
(2)	.65	.59	.38	.11	.08	.27	.38	.19	.16	.03	.08	.54	1.00	1.08	.70	.49	.00	6.72

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Table 2.3-41—{NMPNS 30 ft (9-m) 2001-2005 March JFD}

(Page 4 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 47.49

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.06	.00	.00	.06	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.17
(2)	.00	.00	.00	.03	.00	.00	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.08
.5- 1.0	2	0	2	10	2	4	4	2	2	1	1	2	0	1	1	2	0	36
(1)	.11	.00	.11	.57	.11	.23	.23	.11	.11	.06	.06	.11	.00	.06	.06	.11	.00	2.05
(2)	.05	.00	.05	.27	.05	.11	.11	.05	.05	.03	.03	.05	.00	.03	.03	.05	.00	.97
1.1- 1.5	3	7	12	14	14	3	6	6	3	4	0	4	2	1	3	3	0	85
(1)	.17	.40	.68	.80	.80	.17	.34	.34	.17	.23	.00	.23	.11	.06	.17	.17	.00	4.83
(2)	.08	.19	.32	.38	.38	.08	.16	.16	.08	.11	.00	.11	.05	.03	.08	.08	.00	2.29
1.6- 2.0	7	18	11	18	11	6	8	2	4	5	1	8	5	1	5	3	0	113
(1)	.40	1.02	.63	1.02	.63	.34	.45	.11	.23	.28	.06	.45	.28	.06	.28	.17	.00	6.42
(2)	.19	.49	.30	.49	.30	.16	.22	.05	.11	.13	.03	.22	.13	.03	.13	.08	.00	3.05
2.1- 3.0	22	29	37	26	28	24	48	16	17	16	6	23	7	13	16	10	0	338
(1)	1.25	1.65	2.10	1.48	1.59	1.36	2.73	.91	.97	.91	.34	1.31	.40	.74	.91	.57	.00	19.20
(2)	.59	.78	1.00	.70	.76	.65	1.30	.43	.46	.43	.16	.62	.19	.35	.43	.27	.00	9.12
3.1- 4.0	9	40	38	2	1	40	42	40	29	35	13	31	11	6	11	12	0	360
(1)	.51	2.27	2.16	.11	.06	2.27	2.39	2.27	1.65	1.99	.74	1.76	.63	.34	.63	.68	.00	20.45
(2)	.24	1.08	1.03	.05	.03	1.08	1.13	1.08	.78	.94	.35	.84	.30	.16	.30	.32	.00	9.71
4.1- 5.0	7	20	16	0	0	4	34	30	27	17	18	24	9	19	13	8	0	246
(1)	.40	1.14	.91	.00	.00	.23	1.93	1.70	1.53	.97	1.02	1.36	.51	1.08	.74	.45	.00	13.98
(2)	.19	.54	.43	.00	.00	.11	.92	.81	.73	.46	.49	.65	.24	.51	.35	.22	.00	6.64
5.1- 6.0	11	6	4	0	0	4	25	20	4	3	5	14	17	26	20	5	0	164
(1)	.63	.34	.23	.00	.00	.23	1.42	1.14	.23	.17	.28	.80	.97	1.48	1.14	.28	.00	9.32
(2)	.30	.16	.11	.00	.00	.11	.67	.54	.11	.08	.13	.38	.46	.70	.54	.13	.00	4.43
6.1- 8.0	8	0	0	0	0	1	9	25	7	0	4	29	65	31	17	11	0	207
(1)	.45	.00	.00	.00	.00	.06	.51	1.42	.40	.00	.23	1.65	3.69	1.76	.97	.63	.00	11.76
(2)	.22	.00	.00	.00	.00	.03	.24	.67	.19	.00	.11	.78	1.75	.84	.46	.30	.00	5.59
8.1-10.0	5	0	0	0	0	0	1	0	0	0	1	12	57	36	7	0	0	119
(1)	.28	.00	.00	.00	.00	.00	.06	.00	.00	.00	.06	.68	3.24	2.05	.40	.00	.00	6.76
(2)	.13	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.32	1.54	.97	.19	.00	.00	3.21
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	16	50	22	0	0	0	89
(1)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.91	2.84	1.25	.00	.00	.00	5.06
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.43	1.35	.59	.00	.00	.00	2.40
ALL SPEEDS	75	120	120	71	56	86	178	141	93	82	49	163	223	156	93	54	0	1760
(1)	4.26	6.82	6.82	4.03	3.18	4.89	10.11	8.01	5.28	4.66	2.78	9.26	12.67	8.86	5.28	3.07	.00	100.00
(2)	2.02	3.24	3.24	1.92	1.51	2.32	4.80	3.80	2.51	2.21	1.32	4.40	6.02	4.21	2.51	1.46	.00	47.49

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Table 2.3-41—{NMPNS 30 ft (9-m) 2001-2005 March JFD}

(Page 5 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 23.64

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.11	.11	.00	.00	.00	.00	.00	.00	.00	.23
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.05
.5- 1.0	1	1	3	7	3	8	4	4	6	5	3	2	2	2	0	1	0	52
(1)	.11	.11	.34	.80	.34	.91	.46	.46	.68	.57	.34	.23	.23	.23	.00	.11	.00	5.94
(2)	.03	.03	.08	.19	.08	.22	.11	.11	.16	.13	.08	.05	.05	.05	.00	.03	.00	1.40
1.1- 1.5	0	5	7	16	20	8	9	8	5	2	2	6	3	3	0	3	0	97
(1)	.00	.57	.80	1.83	2.28	.91	1.03	.91	.57	.23	.23	.68	.34	.34	.00	.34	.00	11.07
(2)	.00	.13	.19	.43	.54	.22	.24	.22	.13	.05	.05	.16	.08	.08	.00	.08	.00	2.62
1.6- 2.0	2	10	8	18	17	11	6	8	4	5	5	5	1	3	1	1	0	105
(1)	.23	1.14	.91	2.05	1.94	1.26	.68	.91	.46	.57	.57	.57	.11	.34	.11	.11	.00	11.99
(2)	.05	.27	.22	.49	.46	.30	.16	.22	.11	.13	.13	.13	.03	.08	.03	.03	.00	2.83
2.1- 3.0	7	14	14	7	6	23	32	33	15	8	13	26	6	3	1	3	0	211
(1)	.80	1.60	1.60	.80	.68	2.63	3.65	3.77	1.71	.91	1.48	2.97	.68	.34	.11	.34	.00	24.09
(2)	.19	.38	.38	.19	.16	.62	.86	.89	.40	.22	.35	.70	.16	.08	.03	.08	.00	5.69
3.1- 4.0	5	11	1	0	2	19	44	40	17	2	2	34	1	2	1	2	0	183
(1)	.57	1.26	.11	.00	.23	2.17	5.02	4.57	1.94	.23	.23	3.88	.11	.23	.11	.23	.00	20.89
(2)	.13	.30	.03	.00	.05	.51	1.19	1.08	.46	.05	.05	.92	.03	.05	.03	.05	.00	4.94
4.1- 5.0	2	0	0	0	0	8	15	38	19	3	9	18	5	4	3	0	0	124
(1)	.23	.00	.00	.00	.00	.91	1.71	4.34	2.17	.34	1.03	2.05	.57	.46	.34	.00	.00	14.16
(2)	.05	.00	.00	.00	.00	.22	.40	1.03	.51	.08	.24	.49	.13	.11	.08	.00	.00	3.35
5.1- 6.0	2	0	0	0	0	3	2	10	2	2	3	8	9	3	0	0	0	44
(1)	.23	.00	.00	.00	.00	.34	.23	1.14	.23	.23	.34	.91	1.03	.34	.00	.00	.00	5.02
(2)	.05	.00	.00	.00	.00	.08	.05	.27	.05	.05	.08	.22	.24	.08	.00	.00	.00	1.19
6.1- 8.0	0	0	0	0	0	0	0	4	0	1	2	14	7	1	1	0	0	30
(1)	.00	.00	.00	.00	.00	.00	.00	.46	.00	.11	.23	1.60	.80	.11	.11	.00	.00	3.42
(2)	.00	.00	.00	.00	.00	.00	.00	.11	.00	.03	.05	.38	.19	.03	.03	.00	.00	.81
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	5	13	2	0	0	0	20
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	1.48	.23	.00	.00	.00	2.28
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13	.35	.05	.00	.00	.00	.54
10.1-40.3	0	0	0	0	0	0	0	0	0	1	0	2	5	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.23	.57	.00	.00	.00	.00	.91
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.05	.13	.00	.00	.00	.00	.22
ALL SPEEDS	19	41	33	48	48	80	112	145	69	30	39	120	52	23	7	10	0	876
(1)	2.17	4.68	3.77	5.48	5.48	9.13	12.79	16.55	7.88	3.42	4.45	13.70	5.94	2.63	.80	1.14	.00	100.00
(2)	.51	1.11	.89	1.30	1.30	2.16	3.02	3.91	1.86	.81	1.05	3.24	1.40	.62	.19	.27	.00	23.64

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Table 2.3-41—{NMPNS 30 ft (9-m) 2001-2005 March JFD}

(Page 6 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 5.23

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	2	3	2	6	0	2	1	6	0	1	1	1	0	0	25
(1)	.00	.00	.00	1.03	1.55	1.03	3.09	.00	1.03	.52	3.09	.00	.52	.52	.52	.00	.00	12.89
(2)	.00	.00	.00	.05	.08	.05	.16	.00	.05	.03	.16	.00	.03	.03	.03	.00	.00	.67
1.1- 1.5	1	2	1	3	7	3	9	9	3	3	0	3	1	1	1	0	0	47
(1)	.52	1.03	.52	1.55	3.61	1.55	4.64	4.64	1.55	1.55	.00	1.55	.52	.52	.52	.00	.00	24.23
(2)	.03	.05	.03	.08	.19	.08	.24	.24	.08	.08	.00	.08	.03	.03	.03	.00	.00	1.27
1.6- 2.0	2	4	2	5	5	11	9	11	4	2	0	0	3	0	0	1	0	59
(1)	1.03	2.06	1.03	2.58	2.58	5.67	4.64	5.67	2.06	1.03	.00	.00	1.55	.00	.00	.52	.00	30.41
(2)	.05	.11	.05	.13	.13	.30	.24	.30	.11	.05	.00	.00	.08	.00	.00	.03	.00	1.59
2.1- 3.0	1	2	2	0	1	3	3	10	9	1	1	7	0	0	0	0	0	40
(1)	.52	1.03	1.03	.00	.52	1.55	1.55	5.15	4.64	.52	.52	3.61	.00	.00	.00	.00	.00	20.62
(2)	.03	.05	.05	.00	.03	.08	.08	.27	.24	.03	.03	.19	.00	.00	.00	.00	.00	1.08
3.1- 4.0	1	0	0	0	0	0	1	2	3	1	0	6	2	0	1	0	0	17
(1)	.52	.00	.00	.00	.00	.00	.52	1.03	1.55	.52	.00	3.09	1.03	.00	.52	.00	.00	8.76
(2)	.03	.00	.00	.00	.00	.00	.03	.05	.08	.03	.00	.16	.05	.00	.03	.00	.00	.46
4.1- 5.0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.52	.00	.00	.00	.52	.00	.00	.00	.00	1.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.05
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.03	.52	.00	.00	.00	.00	1.55
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.03	.00	.00	.00	.00	.08
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	.00	.00	.00	.00	.52
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	5	8	5	10	16	19	28	32	22	8	7	18	10	2	3	1	0	194
(1)	2.58	4.12	2.58	5.15	8.25	9.79	14.43	16.49	11.34	4.12	3.61	9.28	5.15	1.03	1.55	.52	.00	100.00
(2)	.13	.22	.13	.27	.43	.51	.76	.86	.59	.22	.19	.49	.27	.05	.08	.03	.00	5.23

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Table 2.3-41—{NMPNS 30 ft (9-m) 2001-2005 March JFD}

(Page 7 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 3.18

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	0	1	0	3	7	3	2	0	0	1	0	1	0	0	0	19
(1)	.00	.85	.00	.85	.00	2.54	5.93	2.54	1.69	.00	.00	.85	.00	.85	.00	.00	.00	16.10
(2)	.00	.03	.00	.03	.00	.08	.19	.08	.05	.00	.00	.03	.00	.03	.00	.00	.00	.51
1.1- 1.5	0	0	3	2	0	5	18	3	2	0	0	1	0	2	3	2	0	41
(1)	.00	.00	2.54	1.69	.00	4.24	15.25	2.54	1.69	.00	.00	.85	.00	1.69	2.54	1.69	.00	34.75
(2)	.00	.00	.08	.05	.00	.13	.49	.08	.05	.00	.00	.03	.00	.05	.08	.05	.00	1.11
1.6- 2.0	0	1	0	0	2	6	8	4	0	0	0	1	3	0	1	0	0	26
(1)	.00	.85	.00	.00	1.69	5.08	6.78	3.39	.00	.00	.00	.85	2.54	.00	.85	.00	.00	22.03
(2)	.00	.03	.00	.00	.05	.16	.22	.11	.00	.00	.00	.03	.08	.00	.03	.00	.00	.70
2.1- 3.0	2	1	0	0	0	3	1	13	2	0	0	6	0	2	0	0	0	30
(1)	1.69	.85	.00	.00	.00	2.54	.85	11.02	1.69	.00	.00	5.08	.00	1.69	.00	.00	.00	25.42
(2)	.05	.03	.00	.00	.00	.08	.03	.35	.05	.00	.00	.16	.00	.05	.00	.00	.00	.81
3.1- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.85	.00	.00	.00	.00	.85
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.85	.00	.00	.00	.00	.00	.85
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	2	3	3	3	2	17	34	23	6	0	0	10	4	5	4	2	0	118
(1)	1.69	2.54	2.54	2.54	1.69	14.41	28.81	19.49	5.08	.00	.00	8.47	3.39	4.24	3.39	1.69	.00	100.00
(2)	.05	.08	.08	.08	.05	.46	.92	.62	.16	.00	.00	.27	.11	.13	.11	.05	.00	3.18

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Table 2.3-41—{NMPNS 30 ft (9-m) 2001-2005 March JFD}

(Page 8 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	1	0	0	1	0	1	2	0	0	0	0	0	0	0	5
(1)	.00	.00	.00	.03	.00	.00	.03	.00	.03	.05	.00	.00	.00	.00	.00	.00	.00	.13
(2)	.00	.00	.00	.03	.00	.00	.03	.00	.03	.05	.00	.00	.00	.00	.00	.00	.00	.13
.5- 1.0	3	2	5	20	8	17	21	9	12	7	10	5	3	5	2	3	0	132
(1)	.08	.05	.13	.54	.22	.46	.57	.24	.32	.19	.27	.13	.08	.13	.05	.08	.00	3.56
(2)	.08	.05	.13	.54	.22	.46	.57	.24	.32	.19	.27	.13	.08	.13	.05	.08	.00	3.56
1.1- 1.5	4	14	23	35	41	19	42	26	13	9	2	14	6	8	8	8	0	272
(1)	.11	.38	.62	.94	1.11	.51	1.13	.70	.35	.24	.05	.38	.16	.22	.22	.22	.00	7.34
(2)	.11	.38	.62	.94	1.11	.51	1.13	.70	.35	.24	.05	.38	.16	.22	.22	.22	.00	7.34
1.6- 2.0	14	35	24	41	36	35	32	25	12	12	6	15	12	5	8	6	0	318
(1)	.38	.94	.65	1.11	.97	.94	.86	.67	.32	.32	.16	.40	.32	.13	.22	.16	.00	8.58
(2)	.38	.94	.65	1.11	.97	.94	.86	.67	.32	.32	.16	.40	.32	.13	.22	.16	.00	8.58
2.1- 3.0	51	69	67	38	41	59	85	72	44	25	20	66	13	20	26	26	0	722
(1)	1.38	1.86	1.81	1.03	1.11	1.59	2.29	1.94	1.19	.67	.54	1.78	.35	.54	.70	.70	.00	19.48
(2)	1.38	1.86	1.81	1.03	1.11	1.59	2.29	1.94	1.19	.67	.54	1.78	.35	.54	.70	.70	.00	19.48
3.1- 4.0	44	83	49	2	3	64	95	87	56	39	17	78	20	11	19	22	0	689
(1)	1.19	2.24	1.32	.05	.08	1.73	2.56	2.35	1.51	1.05	.46	2.10	.54	.30	.51	.59	.00	18.59
(2)	1.19	2.24	1.32	.05	.08	1.73	2.56	2.35	1.51	1.05	.46	2.10	.54	.30	.51	.59	.00	18.59
4.1- 5.0	24	26	17	0	0	12	55	73	48	20	27	47	16	28	26	18	0	437
(1)	.65	.70	.46	.00	.00	.32	1.48	1.97	1.30	.54	.73	1.27	.43	.76	.70	.49	.00	11.79
(2)	.65	.70	.46	.00	.00	.32	1.48	1.97	1.30	.54	.73	1.27	.43	.76	.70	.49	.00	11.79
5.1- 6.0	27	9	4	0	0	7	34	32	7	5	8	26	33	40	25	17	0	274
(1)	.73	.24	.11	.00	.00	.19	.92	.86	.19	.13	.22	.70	.89	1.08	.67	.46	.00	7.39
(2)	.73	.24	.11	.00	.00	.19	.92	.86	.19	.13	.22	.70	.89	1.08	.67	.46	.00	7.39
6.1- 8.0	25	0	0	0	0	1	16	30	7	1	7	49	81	50	50	43	0	360
(1)	.67	.00	.00	.00	.00	.03	.43	.81	.19	.03	.19	1.32	2.19	1.35	1.35	1.16	.00	9.71
(2)	.67	.00	.00	.00	.00	.03	.43	.81	.19	.03	.19	1.32	2.19	1.35	1.35	1.16	.00	9.71
8.1-10.0	7	0	0	0	0	0	1	0	0	0	1	23	93	57	47	8	0	237
(1)	.19	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.62	2.51	1.54	1.27	.22	.00	6.40
(2)	.19	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.62	2.51	1.54	1.27	.22	.00	6.40
10.1-40.3	4	0	0	0	0	0	0	0	0	1	0	36	106	92	21	0	0	260
(1)	.11	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.97	2.86	2.48	.57	.00	.00	7.02
(2)	.11	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.97	2.86	2.48	.57	.00	.00	7.02
ALL SPEEDS	203	238	189	137	129	214	382	354	200	121	98	359	383	316	232	151	0	3706
(1)	5.48	6.42	5.10	3.70	3.48	5.77	10.31	9.55	5.40	3.26	2.64	9.69	10.33	8.53	6.26	4.07	.00	100.00
(2)	5.48	6.42	5.10	3.70	3.48	5.77	10.31	9.55	5.40	3.26	2.64	9.69	10.33	8.53	6.26	4.07	.00	100.00

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Table 2.3-42—{NMPNS 30 ft (9-m) 2001-2005 April JFD}

(Page 1 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 4.30

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.65	.00	.00	.65
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03
1.6- 2.0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.65	.65	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.31
(2)	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
2.1- 3.0	0	4	2	0	0	0	0	0	0	0	0	0	0	2	12	4	0	24
(1)	.00	2.61	1.31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.31	7.84	2.61	.00	15.69
(2)	.00	.11	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.34	.11	.00	.67
3.1- 4.0	2	5	0	0	0	0	0	0	0	0	0	4	0	1	3	6	0	21
(1)	1.31	3.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.61	.00	.65	1.96	3.92	.00	13.73
(2)	.25	.14	.03	.00	.00	.00	.03	.00	.00	.00	.00	.28	.00	.03	.03	.25	.00	1.04
4.1- 5.0	9	5	1	0	0	0	1	0	0	0	0	10	0	1	1	9	0	37
(1)	5.88	3.27	.65	.00	.00	.00	.65	.00	.00	.00	.00	6.54	.00	.65	.65	5.88	.00	24.18
(2)	.25	.14	.03	.00	.00	.00	.03	.00	.00	.00	.00	.28	.00	.03	.03	.25	.00	1.04
5.1- 6.0	2	1	0	0	0	0	2	1	0	0	0	3	0	0	1	4	0	14
(1)	1.31	.65	.00	.00	.00	.00	1.31	.65	.00	.00	.00	1.96	.00	.00	.65	2.61	.00	9.15
(2)	.06	.03	.00	.00	.00	.00	.06	.03	.00	.00	.00	.08	.00	.00	.03	.11	.00	.39
6.1- 8.0	3	0	0	0	0	0	0	2	0	0	0	2	1	3	4	9	0	24
(1)	1.96	.00	.00	.00	.00	.00	.00	1.31	.00	.00	.00	1.31	.65	1.96	2.61	5.88	.00	15.69
(2)	.08	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.06	.03	.08	.11	.25	.00	.67
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	6	7	0	10	0	23
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.92	4.58	.00	6.54	.00	15.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.20	.00	.28	.00	.65
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	3	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.31	1.31	.00	1.96	.00	4.58
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.06	.00	.08	.00	.20
ALL SPEEDS	16	16	4	0	0	0	3	3	0	0	0	19	9	16	22	45	0	153
(1)	10.46	10.46	2.61	.00	.00	.00	1.96	1.96	.00	.00	.00	12.42	5.88	10.46	14.38	29.41	.00	100.00
(2)	.45	.45	.11	.00	.00	.00	.08	.08	.00	.00	.00	.53	.25	.45	.62	1.26	.00	4.30

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Table 2.3-42—{NMPNS 30 ft (9-m) 2001-2005 April JFD}

(Page 2 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.85

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	4
(1)	.73	.00	.00	.00	.00	.00	.73	.00	.00	.00	.00	.00	.73	.73	.00	.00	.00	2.92
(2)	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.11
2.1- 3.0	2	2	3	0	0	0	2	0	1	0	0	1	1	1	0	2	0	15
(1)	1.46	1.46	2.19	.00	.00	.00	1.46	.00	.73	.00	.00	.73	.73	.73	.00	1.46	.00	10.95
(2)	.06	.06	.08	.00	.00	.00	.06	.00	.03	.00	.00	.03	.03	.03	.00	.06	.00	.42
3.1- 4.0	1	0	1	0	0	0	1	1	0	0	0	5	1	0	2	2	0	14
(1)	.73	.00	.73	.00	.00	.00	.73	.73	.00	.00	.00	3.65	.73	.00	1.46	1.46	.00	10.22
(2)	.03	.00	.03	.00	.00	.00	.03	.03	.00	.00	.00	.14	.03	.00	.06	.06	.00	.39
4.1- 5.0	3	4	0	0	0	1	0	1	0	0	0	11	0	0	3	3	0	26
(1)	2.19	2.92	.00	.00	.00	.73	.00	.73	.00	.00	.00	8.03	.00	.00	2.19	2.19	.00	18.98
(2)	.08	.11	.00	.00	.00	.03	.00	.03	.00	.00	.00	.31	.00	.00	.08	.08	.00	.73
5.1- 6.0	5	0	0	0	0	0	0	6	0	0	0	3	0	0	1	1	0	16
(1)	3.65	.00	.00	.00	.00	.00	.00	4.38	.00	.00	.00	2.19	.00	.00	.73	.73	.00	11.68
(2)	.14	.00	.00	.00	.00	.00	.00	.17	.00	.00	.00	.08	.00	.00	.03	.03	.00	.45
6.1- 8.0	1	0	0	0	0	0	0	2	1	0	0	4	4	4	2	1	0	19
(1)	.73	.00	.00	.00	.00	.00	.00	1.46	.73	.00	.00	2.92	2.92	2.92	1.46	.73	.00	13.87
(2)	.03	.00	.00	.00	.00	.00	.00	.06	.03	.00	.00	.11	.11	.11	.06	.03	.00	.53
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	3	10	11	1	3	0	28
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.19	7.30	8.03	.73	2.19	.00	20.44
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.28	.31	.03	.08	.00	.79
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	12	3	0	0	0	15
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.76	2.19	.00	.00	.00	10.95
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.34	.08	.00	.00	.00	.42
ALL SPEEDS	13	6	4	0	0	1	4	10	2	0	0	27	29	20	9	12	0	137
(1)	9.49	4.38	2.92	.00	.00	.73	2.92	7.30	1.46	.00	.00	19.71	21.17	14.60	6.57	8.76	.00	100.00
(2)	.37	.17	.11	.00	.00	.03	.11	.28	.06	.00	.00	.76	.82	.56	.25	.34	.00	3.85

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Table 2.3-42—{NMPNS 30 ft (9-m) 2001-2005 April JFD}

(Page 3 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 6.63

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	.42	.42	.42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.27
(2)	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
1.6- 2.0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	2	0	4
(1)	.00	.00	.42	.00	.00	.00	.00	.00	.00	.00	.00	.42	.00	.00	.00	.85	.00	1.69
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.06	.00	.11
2.1- 3.0	7	7	6	0	1	1	1	0	1	0	1	5	2	2	2	0	0	36
(1)	2.97	2.97	2.54	.00	.42	.42	.42	.00	.42	.00	.42	2.12	.85	.85	.85	.00	.00	15.25
(2)	.20	.20	.17	.00	.03	.03	.03	.00	.03	.00	.03	.14	.06	.06	.06	.00	.00	1.01
3.1- 4.0	4	1	5	0	1	2	3	2	4	2	0	5	5	1	4	2	0	41
(1)	1.69	.42	2.12	.00	.42	.85	1.27	.85	1.69	.85	.00	2.12	2.12	.42	1.69	.85	.00	17.37
(2)	.11	.03	.14	.00	.03	.06	.08	.06	.11	.06	.00	.14	.14	.03	.11	.06	.00	1.15
4.1- 5.0	1	2	2	0	0	2	1	8	1	0	0	13	1	2	5	4	0	42
(1)	.42	.85	.85	.00	.00	.85	.42	3.39	.42	.00	.00	5.51	.42	.85	2.12	1.69	.00	17.80
(2)	.03	.06	.06	.00	.00	.06	.03	.22	.03	.00	.00	.37	.03	.06	.14	.11	.00	1.18
5.1- 6.0	0	0	0	0	0	0	1	2	4	0	0	7	9	3	4	2	0	32
(1)	.00	.00	.00	.00	.00	.00	.42	.85	1.69	.00	.00	2.97	3.81	1.27	1.69	.85	.00	13.56
(2)	.00	.00	.00	.00	.00	.00	.03	.06	.11	.00	.00	.20	.25	.08	.11	.06	.00	.90
6.1- 8.0	1	0	0	0	0	0	2	2	3	0	0	6	7	10	2	3	0	36
(1)	.42	.00	.00	.00	.00	.00	.85	.85	1.27	.00	.00	2.54	2.97	4.24	.85	1.27	.00	15.25
(2)	.03	.00	.00	.00	.00	.00	.06	.06	.08	.00	.00	.17	.20	.28	.06	.08	.00	1.01
8.1-10.0	1	0	0	0	0	0	0	1	0	0	0	4	14	8	2	3	0	33
(1)	.42	.00	.00	.00	.00	.00	.00	.42	.00	.00	.00	1.69	5.93	3.39	.85	1.27	.00	13.98
(2)	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.11	.39	.22	.06	.08	.00	.93
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	7	2	0	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.97	.85	.00	.00	.00	3.81
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.06	.00	.00	.00	.25
ALL SPEEDS	15	11	15	0	2	5	8	15	13	2	1	41	45	28	19	16	0	236
(1)	6.36	4.66	6.36	.00	.85	2.12	3.39	6.36	5.51	.85	.42	17.37	19.07	11.86	8.05	6.78	.00	100.00
(2)	.42	.31	.42	.00	.06	.14	.22	.42	.37	.06	.03	1.15	1.26	.79	.53	.45	.00	6.63

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Table 2.3-42—{NMPNS 30 ft (9-m) 2001-2005 April JFD}

(Page 4 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 37.72

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.3- .4	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	3
(1)	.00	.00	.00	.07	.00	.00	.00	.07	.00	.00	.00	.00	.00	.00	.07	.00	.00	.22
(2)	.00	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.08
.5- 1.0	4	1	1	7	5	1	1	1	1	2	0	0	1	1	2	1	0	29
(1)	.30	.07	.07	.52	.37	.07	.07	.07	.07	.15	.00	.00	.07	.07	.15	.07	.00	2.16
(2)	.11	.03	.03	.20	.14	.03	.03	.03	.03	.06	.00	.00	.03	.03	.06	.03	.00	.82
1.1- 1.5	2	1	7	5	8	2	2	5	1	4	1	3	2	1	5	3	0	52
(1)	.15	.07	.52	.37	.60	.15	.15	.37	.07	.30	.07	.22	.15	.07	.37	.22	.00	3.87
(2)	.06	.03	.20	.14	.22	.06	.06	.14	.03	.11	.03	.08	.06	.03	.14	.08	.00	1.46
1.6- 2.0	1	12	22	14	3	3	4	1	2	2	4	4	3	3	4	2	0	84
(1)	.07	.89	1.64	1.04	.22	.22	.30	.07	.15	.15	.30	.30	.22	.22	.30	.15	.00	6.26
(2)	.03	.34	.62	.39	.08	.08	.11	.03	.06	.06	.11	.11	.08	.08	.11	.06	.00	2.36
2.1- 3.0	14	19	38	27	29	17	28	5	8	7	6	31	24	5	8	7	0	273
(1)	1.04	1.42	2.83	2.01	2.16	1.27	2.09	.37	.60	.52	.45	2.31	1.79	.37	.60	.52	.00	20.34
(2)	.39	.53	1.07	.76	.82	.48	.79	.14	.22	.20	.17	.87	.67	.14	.22	.20	.00	7.67
3.1- 4.0	11	17	41	0	13	36	34	20	16	3	13	34	25	9	14	11	0	297
(1)	.82	1.27	3.06	.00	.97	2.68	2.53	1.49	1.19	.22	.97	2.53	1.86	.67	1.04	.82	.00	22.13
(2)	.31	.48	1.15	.00	.37	1.01	.96	.56	.45	.08	.37	.96	.70	.25	.39	.31	.00	8.35
4.1- 5.0	5	8	18	0	5	14	41	22	16	4	8	51	29	13	10	14	0	258
(1)	.37	.60	1.34	.00	.37	1.04	3.06	1.64	1.19	.30	.60	3.80	2.16	.97	.75	1.04	.00	19.23
(2)	.14	.22	.51	.00	.14	.39	1.15	.62	.45	.11	.22	1.43	.82	.37	.28	.39	.00	7.25
5.1- 6.0	6	5	0	0	0	9	23	15	18	1	6	24	21	8	8	12	0	156
(1)	.45	.37	.00	.00	.00	.67	1.71	1.12	1.34	.07	.45	1.79	1.56	.60	.60	.89	.00	11.62
(2)	.17	.14	.00	.00	.00	.25	.65	.42	.51	.03	.17	.67	.59	.22	.22	.34	.00	4.38
6.1- 8.0	6	0	0	0	0	0	6	5	2	0	1	23	26	17	11	8	0	105
(1)	.45	.00	.00	.00	.00	.00	.45	.37	.15	.00	.07	1.71	1.94	1.27	.82	.60	.00	7.82
(2)	.17	.00	.00	.00	.00	.00	.17	.14	.06	.00	.03	.65	.73	.48	.31	.22	.00	2.95
8.1-10.0	2	0	0	0	0	0	0	0	0	0	0	5	42	9	2	0	0	60
(1)	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.37	3.13	.67	.15	.00	.00	4.47
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	1.18	.25	.06	.00	.00	1.69
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	17	3	3	1	0	24
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.27	.22	.22	.07	.00	1.79
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48	.08	.08	.03	.00	.67
ALL SPEEDS	51	63	127	55	63	82	139	75	64	23	39	175	190	69	68	59	0	1342
(1)	3.80	4.69	9.46	4.10	4.69	6.11	10.36	5.59	4.77	1.71	2.91	13.04	14.16	5.14	5.07	4.40	.00	100.00
(2)	1.43	1.77	3.57	1.55	1.77	2.30	3.91	2.11	1.80	.65	1.10	4.92	5.34	1.94	1.91	1.66	.00	37.72

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Table 2.3-42—{NMPNS 30 ft (9-m) 2001-2005 April JFD}

(Page 5 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 27.09

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	4
(1)	.10	.00	.00	.00	.10	.10	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.41
(2)	.03	.00	.00	.00	.03	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
.3- .4	0	0	0	2	0	0	0	0	0	0	0	0	1	0	1	1	0	5
(1)	.00	.00	.00	.21	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.10	.10	.00	.52
(2)	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.03	.00	.14
.5- 1.0	2	2	4	5	4	3	3	3	1	8	3	4	2	1	4	2	0	51
(1)	.21	.21	.41	.52	.41	.31	.31	.31	.10	.83	.31	.41	.21	.10	.41	.21	.00	5.29
(2)	.06	.06	.11	.14	.11	.08	.08	.08	.03	.22	.08	.11	.06	.03	.11	.06	.00	1.43
1.1- 1.5	7	6	8	12	18	7	8	6	3	5	13	7	1	3	3	3	0	110
(1)	.73	.62	.83	1.24	1.87	.73	.83	.62	.31	.52	1.35	.73	.10	.31	.31	.31	.00	11.41
(2)	.20	.17	.22	.34	.51	.20	.22	.17	.08	.14	.37	.20	.03	.08	.08	.08	.00	3.09
1.6- 2.0	8	13	14	11	20	7	7	5	2	3	8	7	6	5	3	9	0	128
(1)	.83	1.35	1.45	1.14	2.07	.73	.73	.52	.21	.31	.83	.73	.62	.52	.31	.93	.00	13.28
(2)	.22	.37	.39	.31	.56	.20	.20	.14	.06	.08	.22	.20	.17	.14	.08	.25	.00	3.60
2.1- 3.0	8	13	9	18	7	24	15	14	20	14	28	37	16	4	3	8	0	238
(1)	.83	1.35	.93	1.87	.73	2.49	1.56	1.45	2.07	1.45	2.90	3.84	1.66	.41	.31	.83	.00	24.69
(2)	.22	.37	.25	.51	.20	.67	.42	.39	.56	.39	.79	1.04	.45	.11	.08	.22	.00	6.69
3.1- 4.0	5	6	10	2	6	13	32	33	22	7	11	33	9	4	4	7	0	204
(1)	.52	.62	1.04	.21	.62	1.35	3.32	3.42	2.28	.73	1.14	3.42	.93	.41	.41	.73	.00	21.16
(2)	.14	.17	.28	.06	.17	.37	.90	.93	.62	.20	.31	.93	.25	.11	.11	.20	.00	5.73
4.1- 5.0	7	0	10	0	0	5	13	21	15	2	9	18	6	8	4	1	0	119
(1)	.73	.00	1.04	.00	.00	.52	1.35	2.18	1.56	.21	.93	1.87	.62	.83	.41	.10	.00	12.34
(2)	.20	.00	.28	.00	.00	.14	.37	.59	.42	.06	.25	.51	.17	.22	.11	.03	.00	3.34
5.1- 6.0	1	1	1	0	0	1	11	6	5	2	18	9	6	1	1	0	0	63
(1)	.10	.10	.10	.00	.00	.10	1.14	.62	.52	.21	1.87	.93	.62	.10	.10	.00	.00	6.54
(2)	.03	.03	.03	.00	.00	.03	.31	.17	.14	.06	.51	.25	.17	.03	.03	.00	.00	1.77
6.1- 8.0	1	0	0	0	0	0	0	0	0	0	10	14	6	3	0	1	0	35
(1)	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.04	1.45	.62	.31	.00	.10	.00	3.63
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.39	.17	.08	.00	.03	.00	.98
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.62	.10	.00	.00	.00	.73
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.03	.00	.00	.00	.20
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	40	41	56	50	56	61	89	89	68	41	100	129	59	30	23	32	0	964
(1)	4.15	4.25	5.81	5.19	5.81	6.33	9.23	9.23	7.05	4.25	10.37	13.38	6.12	3.11	2.39	3.32	.00	100.00
(2)	1.12	1.15	1.57	1.41	1.57	1.71	2.50	2.50	1.91	1.15	2.81	3.63	1.66	.84	.65	.90	.00	27.09

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Table 2.3-42—{NMPNS 30 ft (9-m) 2001-2005 April JFD}

(Page 6 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 11.61

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.24	.00	.00	.00	.24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48
(2)	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
.3- .4	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.48	.00	.00	.00	.24	.00	.00	.00	.00	.00	.00	.00	.00	.73
(2)	.00	.00	.00	.00	.06	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.08
.5- 1.0	2	0	3	2	2	5	8	7	5	2	2	2	1	2	0	3	0	46
(1)	.48	.00	.73	.48	.48	1.21	1.94	1.69	1.21	.48	.48	.48	.24	.48	.00	.73	.00	11.14
(2)	.06	.00	.08	.06	.06	.14	.22	.20	.14	.06	.06	.06	.03	.06	.00	.08	.00	1.29
1.1- 1.5	0	2	8	5	5	5	9	11	8	5	2	4	7	6	5	2	0	84
(1)	.00	.48	1.94	1.21	1.21	1.21	2.18	2.66	1.94	1.21	.48	.97	1.69	1.45	1.21	.48	.00	20.34
(2)	.00	.06	.22	.14	.14	.14	.25	.31	.22	.14	.06	.11	.20	.17	.14	.06	.00	2.36
1.6- 2.0	8	5	14	8	8	5	5	7	2	4	0	5	3	4	6	6	0	90
(1)	1.94	1.21	3.39	1.94	1.94	1.21	1.21	1.69	.48	.97	.00	1.21	.73	.97	1.45	1.45	.00	21.79
(2)	.22	.14	.39	.22	.22	.14	.14	.20	.06	.11	.00	.14	.08	.11	.17	.17	.00	2.53
2.1- 3.0	11	9	8	3	3	9	5	13	13	5	2	26	6	2	0	3	0	118
(1)	2.66	2.18	1.94	.73	.73	2.18	1.21	3.15	3.15	1.21	.48	6.30	1.45	.48	.00	.73	.00	28.57
(2)	.31	.25	.22	.08	.08	.25	.14	.37	.37	.14	.06	.73	.17	.06	.00	.08	.00	3.32
3.1- 4.0	5	3	1	0	0	0	4	1	1	0	2	11	1	2	0	2	0	33
(1)	1.21	.73	.24	.00	.00	.00	.97	.24	.24	.00	.48	2.66	.24	.48	.00	.48	.00	7.99
(2)	.14	.08	.03	.00	.00	.00	.11	.03	.03	.00	.06	.31	.03	.06	.00	.06	.00	.93
4.1- 5.0	2	1	0	0	0	0	0	0	1	0	1	6	3	1	0	1	0	16
(1)	.48	.24	.00	.00	.00	.00	.00	.00	.24	.00	.24	1.45	.73	.24	.00	.24	.00	3.87
(2)	.06	.03	.00	.00	.00	.00	.00	.00	.03	.00	.03	.17	.08	.03	.00	.03	.00	.45
5.1- 6.0	1	0	0	0	0	0	0	0	0	0	2	8	0	1	0	0	0	12
(1)	.24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48	1.94	.00	.24	.00	.00	.00	2.91
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.22	.00	.03	.00	.00	.00	.34
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.45	.00	.00	.00	.00	.00	1.45
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.00	.00	.00	.00	.00	.17
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48	.00	.00	.00	.00	.48
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.06
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.00	.00	.00	.00	.24
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
ALL SPEEDS	29	20	35	18	20	24	32	39	31	16	11	68	24	18	11	17	0	413
(1)	7.02	4.84	8.47	4.36	4.84	5.81	7.75	9.44	7.51	3.87	2.66	16.46	5.81	4.36	2.66	4.12	.00	100.00
(2)	.82	.56	.98	.51	.56	.67	.90	1.10	.87	.45	.31	1.91	.67	.51	.31	.48	.00	11.61

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Table 2.3-42—{NMPNS 30 ft (9-m) 2001-2005 April JFD}

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NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 8.80

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.32
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	2	6	3	4	11	7	16	12	9	3	3	1	2	2	2	3	0	86
(1)	.64	1.92	.96	1.28	3.51	2.24	5.11	3.83	2.88	.96	.96	.32	.64	.64	.64	.96	.00	27.48
(2)	.06	.17	.08	.11	.31	.20	.45	.34	.25	.08	.08	.03	.06	.06	.06	.08	.00	2.42
1.1- 1.5	0	1	8	3	7	7	24	6	6	1	0	2	2	5	3	1	0	76
(1)	.00	.32	2.56	.96	2.24	2.24	7.67	1.92	1.92	.32	.00	.64	.64	1.60	.96	.32	.00	24.28
(2)	.00	.03	.22	.08	.20	.20	.67	.17	.17	.03	.00	.06	.06	.14	.08	.03	.00	2.14
1.6- 2.0	0	0	3	8	5	7	16	6	2	2	0	2	1	4	1	4	0	61
(1)	.00	.00	.96	2.56	1.60	2.24	5.11	1.92	.64	.64	.00	.64	.32	1.28	.32	1.28	.00	19.49
(2)	.00	.00	.08	.22	.14	.20	.45	.17	.06	.06	.00	.06	.03	.11	.03	.11	.00	1.71
2.1- 3.0	5	4	5	2	0	4	5	15	1	0	0	6	10	2	1	1	0	61
(1)	1.60	1.28	1.60	.64	.00	1.28	1.60	4.79	.32	.00	.00	1.92	3.19	.64	.32	.32	.00	19.49
(2)	.14	.11	.14	.06	.00	.11	.14	.42	.03	.00	.00	.17	.28	.06	.03	.03	.00	1.71
3.1- 4.0	0	1	1	0	0	0	0	0	0	0	0	3	1	2	0	0	0	8
(1)	.00	.32	.32	.00	.00	.00	.00	.00	.00	.00	.00	.96	.32	.64	.00	.00	.00	2.56
(2)	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.08	.03	.06	.00	.00	.00	.22
4.1- 5.0	0	1	0	0	0	0	0	0	0	0	0	10	3	0	0	1	0	15
(1)	.00	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.19	.96	.00	.00	.32	.00	4.79
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.08	.00	.00	.03	.00	.42
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.64	.64	.00	.00	.00	.00	1.28
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.06	.00	.00	.00	.00	.11
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.32	.00	.00	.00	.00	.00	.32
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	7	13	20	18	23	25	61	39	18	6	3	27	21	15	7	10	0	313
(1)	2.24	4.15	6.39	5.75	7.35	7.99	19.49	12.46	5.75	1.92	.96	8.63	6.71	4.79	2.24	3.19	.00	100.00
(2)	.20	.37	.56	.51	.65	.70	1.71	1.10	.51	.17	.08	.76	.59	.42	.20	.28	.00	8.80

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Table 2.3-42—{NMPNS 30 ft (9-m) 2001-2005 April JFD}

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NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	7
(1)	.03	.00	.03	.03	.03	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20
(2)	.03	.00	.03	.03	.03	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20
.3- .4	0	0	0	4	2	0	0	1	1	0	0	0	1	0	2	1	0	12
(1)	.00	.00	.00	.11	.06	.00	.00	.03	.03	.00	.00	.00	.03	.00	.06	.03	.00	.34
(2)	.00	.00	.00	.11	.06	.00	.00	.03	.03	.00	.00	.00	.03	.00	.06	.03	.00	.34
.5- 1.0	10	9	11	18	22	16	28	23	16	15	8	7	6	6	8	9	0	212
(1)	.28	.25	.31	.51	.62	.45	.79	.65	.45	.42	.22	.20	.17	.17	.22	.25	.00	5.96
(2)	.28	.25	.31	.51	.62	.45	.79	.65	.45	.42	.22	.20	.17	.17	.22	.25	.00	5.96
1.1- 1.5	10	11	32	25	38	21	43	28	18	15	16	16	12	15	17	9	0	326
(1)	.28	.31	.90	.70	1.07	.59	1.21	.79	.51	.42	.45	.45	.34	.42	.48	.25	.00	9.16
(2)	.28	.31	.90	.70	1.07	.59	1.21	.79	.51	.42	.45	.45	.34	.42	.48	.25	.00	9.16
1.6- 2.0	18	31	55	41	36	22	33	19	8	11	12	19	14	17	14	23	0	373
(1)	.51	.87	1.55	1.15	1.01	.62	.93	.53	.22	.31	.34	.53	.39	.48	.39	.65	.00	10.48
(2)	.51	.87	1.55	1.15	1.01	.62	.93	.53	.22	.31	.34	.53	.39	.48	.39	.65	.00	10.48
2.1- 3.0	47	58	71	50	40	55	56	47	44	26	37	106	59	18	26	25	0	765
(1)	1.32	1.63	2.00	1.41	1.12	1.55	1.57	1.32	1.24	.73	1.04	2.98	1.66	.51	.73	.70	.00	21.50
(2)	1.32	1.63	2.00	1.41	1.12	1.55	1.57	1.32	1.24	.73	1.04	2.98	1.66	.51	.73	.70	.00	21.50
3.1- 4.0	28	33	59	2	20	51	74	57	43	12	26	95	42	19	27	30	0	618
(1)	.79	.93	1.66	.06	.56	1.43	2.08	1.60	1.21	.34	.73	2.67	1.18	.53	.76	.84	.00	17.37
(2)	.79	.93	1.66	.06	.56	1.43	2.08	1.60	1.21	.34	.73	2.67	1.18	.53	.76	.84	.00	17.37
4.1- 5.0	27	21	31	0	5	22	56	52	33	6	18	119	42	25	23	33	0	513
(1)	.76	.59	.87	.00	.14	.62	1.57	1.46	.93	.17	.51	3.34	1.18	.70	.65	.93	.00	14.42
(2)	.76	.59	.87	.00	.14	.62	1.57	1.46	.93	.17	.51	3.34	1.18	.70	.65	.93	.00	14.42
5.1- 6.0	15	7	1	0	0	10	37	30	27	3	26	56	38	13	15	19	0	297
(1)	.42	.20	.03	.00	.00	.28	1.04	.84	.76	.08	.73	1.57	1.07	.37	.42	.53	.00	8.35
(2)	.42	.20	.03	.00	.00	.28	1.04	.84	.76	.08	.73	1.57	1.07	.37	.42	.53	.00	8.35
6.1- 8.0	12	0	0	0	0	0	8	11	6	0	11	56	44	37	19	22	0	226
(1)	.34	.00	.00	.00	.00	.00	.22	.31	.17	.00	.31	1.57	1.24	1.04	.53	.62	.00	6.35
(2)	.34	.00	.00	.00	.00	.00	.22	.31	.17	.00	.31	1.57	1.24	1.04	.53	.62	.00	6.35
8.1-10.0	3	0	0	0	0	0	0	1	0	0	0	12	80	36	5	16	0	153
(1)	.08	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.34	2.25	1.01	.14	.45	.00	4.30
(2)	.08	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.34	2.25	1.01	.14	.45	.00	4.30
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	39	10	3	4	0	56
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.10	.28	.08	.11	.00	1.57
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.10	.28	.08	.11	.00	1.57
ALL SPEEDS	171	170	261	141	164	198	336	270	196	88	154	486	377	196	159	191	0	3558
(1)	4.81	4.78	7.34	3.96	4.61	5.56	9.44	7.59	5.51	2.47	4.33	13.66	10.60	5.51	4.47	5.37	.00	100.00
(2)	4.81	4.78	7.34	3.96	4.61	5.56	9.44	7.59	5.51	2.47	4.33	13.66	10.60	5.51	4.47	5.37	.00	100.00

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Table 2.3-43—{NMPNS 30 ft (9-m) 2001-2005 May JFD}

(Page 1 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 4.29

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2
(1)	.00	.00	.66	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.66	.00	1.32
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.06
2.1- 3.0	3	2	0	0	0	1	3	0	0	0	0	1	0	0	4	4	0	18
(1)	1.97	1.32	.00	.00	.00	.66	1.97	.00	.00	.00	.00	.66	.00	.00	2.63	2.63	.00	11.84
(2)	.08	.06	.00	.00	.00	.03	.08	.00	.00	.00	.00	.03	.00	.00	.11	.11	.00	.51
3.1- 4.0	8	3	0	0	1	2	4	2	0	0	0	17	1	1	3	0	0	42
(1)	5.26	1.97	.00	.00	.66	1.32	2.63	1.32	.00	.00	.00	11.18	.66	.66	1.97	.00	.00	27.63
(2)	.23	.08	.00	.00	.03	.06	.11	.06	.00	.00	.00	.48	.03	.03	.08	.00	.00	1.19
4.1- 5.0	8	0	0	0	0	2	4	7	0	0	0	11	0	1	3	4	0	40
(1)	5.26	.00	.00	.00	.00	1.32	2.63	4.61	.00	.00	.00	7.24	.00	.66	1.97	2.63	.00	26.32
(2)	.23	.00	.00	.00	.00	.06	.11	.20	.00	.00	.00	.31	.00	.03	.08	.11	.00	1.13
5.1- 6.0	4	2	0	0	0	3	1	1	0	0	0	3	1	0	0	1	0	16
(1)	2.63	1.32	.00	.00	.00	1.97	.66	.66	.00	.00	.00	1.97	.66	.00	.00	.66	.00	10.53
(2)	.11	.06	.00	.00	.00	.08	.03	.03	.00	.00	.00	.08	.03	.00	.00	.03	.00	.45
6.1- 8.0	3	3	0	0	0	0	1	0	0	0	0	5	3	0	0	1	0	16
(1)	1.97	1.97	.00	.00	.00	.00	.66	.00	.00	.00	.00	3.29	1.97	.00	.00	.66	.00	10.53
(2)	.08	.08	.00	.00	.00	.00	.03	.00	.00	.00	.00	.14	.08	.00	.00	.03	.00	.45
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	1	12	0	0	0	0	13
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.66	7.89	.00	.00	.00	.00	8.55
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.34	.00	.00	.00	.00	.37
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.32	1.97	.00	.00	.00	.00	3.29
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.08	.00	.00	.00	.00	.14
ALL SPEEDS	26	10	1	0	1	8	13	10	0	0	0	40	20	2	10	11	0	152
(1)	17.11	6.58	.66	.00	.66	5.26	8.55	6.58	.00	.00	.00	26.32	13.16	1.32	6.58	7.24	.00	100.00
(2)	.73	.28	.03	.00	.03	.23	.37	.28	.00	.00	.00	1.13	.56	.06	.28	.31	.00	4.29

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Table 2.3-43—{NMPNS 30 ft (9-m) 2001-2005 May JFD}

(Page 2 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.67

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
(1)	.00	.00	.77	.00	.00	.00	.00	.00	.00	.00	.00	.00	.77	.00	.00	.00	.00	1.54
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06
2.1- 3.0	0	2	2	1	0	3	3	1	0	0	0	2	1	2	0	0	0	17
(1)	.00	1.54	1.54	.77	.00	2.31	2.31	.77	.00	.00	.00	1.54	.77	1.54	.00	.00	.00	13.08
(2)	.00	.06	.06	.03	.00	.08	.08	.03	.00	.00	.00	.06	.03	.06	.00	.00	.00	.48
3.1- 4.0	1	1	0	0	0	2	6	3	0	0	0	11	3	0	1	2	0	30
(1)	.77	.77	.00	.00	.00	1.54	4.62	2.31	.00	.00	.00	8.46	2.31	.00	.77	1.54	.00	23.08
(2)	.03	.03	.00	.00	.00	.06	.17	.08	.00	.00	.00	.31	.08	.00	.03	.06	.00	.85
4.1- 5.0	1	1	0	0	0	2	2	3	2	0	1	14	1	2	1	0	0	30
(1)	.77	.77	.00	.00	.00	1.54	1.54	2.31	1.54	.00	.77	10.77	.77	1.54	.77	.00	.00	23.08
(2)	.03	.03	.00	.00	.00	.06	.06	.08	.06	.00	.03	.40	.03	.06	.03	.00	.00	.85
5.1- 6.0	2	0	0	0	0	1	0	0	2	0	0	3	3	0	0	0	0	11
(1)	1.54	.00	.00	.00	.00	.77	.00	.00	1.54	.00	.00	2.31	2.31	.00	.00	.00	.00	8.46
(2)	.06	.00	.00	.00	.00	.03	.00	.00	.06	.00	.00	.08	.08	.00	.00	.00	.00	.31
6.1- 8.0	2	0	0	0	0	0	0	0	2	0	0	4	15	1	0	0	0	24
(1)	1.54	.00	.00	.00	.00	.00	.00	.00	1.54	.00	.00	3.08	11.54	.77	.00	.00	.00	18.46
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.11	.42	.03	.00	.00	.00	.68
8.1-10.0	0	0	0	0	0	0	0	1	0	0	0	3	10	0	0	0	0	14
(1)	.00	.00	.00	.00	.00	.00	.00	.77	.00	.00	.00	2.31	7.69	.00	.00	.00	.00	10.77
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.08	.28	.00	.00	.00	.00	.40
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.54	.00	.00	.00	.00	1.54
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.06
ALL SPEEDS	6	4	3	1	0	8	11	8	6	0	1	37	36	5	2	2	0	130
(1)	4.62	3.08	2.31	.77	.00	6.15	8.46	6.15	4.62	.00	.77	28.46	27.69	3.85	1.54	1.54	.00	100.00
(2)	.17	.11	.08	.03	.00	.23	.31	.23	.17	.00	.03	1.04	1.02	.14	.06	.06	.00	3.67

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Table 2.3-43—{NMPNS 30 ft (9-m) 2001-2005 May JFD}

(Page 3 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.93

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	3
(1)	.00	.00	.48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48	.00	.48	.00	1.43
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.08
2.1- 3.0	2	3	3	1	0	1	1	2	1	0	0	5	3	0	0	2	0	24
(1)	.95	1.43	1.43	.48	.00	.48	.48	.95	.48	.00	.00	2.38	1.43	.00	.00	.95	.00	11.43
(2)	.06	.08	.08	.03	.00	.03	.03	.06	.03	.00	.00	.14	.08	.00	.00	.06	.00	.68
3.1- 4.0	2	0	0	0	1	2	2	5	1	0	0	15	8	2	1	3	0	42
(1)	.95	.00	.00	.00	.48	.95	.95	2.38	.48	.00	.00	7.14	3.81	.95	.48	1.43	.00	20.00
(2)	.06	.00	.00	.00	.03	.06	.06	.14	.03	.00	.00	.42	.23	.06	.03	.08	.00	1.19
4.1- 5.0	0	0	0	0	0	1	4	5	1	0	0	10	2	3	2	2	0	30
(1)	.00	.00	.00	.00	.00	.48	1.90	2.38	.48	.00	.00	4.76	.95	1.43	.95	.95	.00	14.29
(2)	.00	.00	.00	.00	.00	.03	.11	.14	.03	.00	.00	.28	.06	.08	.06	.06	.00	.85
5.1- 6.0	0	0	0	0	0	0	2	3	2	0	0	14	13	4	0	0	0	38
(1)	.00	.00	.00	.00	.00	.00	.95	1.43	.95	.00	.00	6.67	6.19	1.90	.00	.00	.00	18.10
(2)	.00	.00	.00	.00	.00	.00	.06	.08	.06	.00	.00	.40	.37	.11	.00	.00	.00	1.07
6.1- 8.0	1	0	0	0	0	0	1	0	0	0	0	8	24	4	0	0	0	38
(1)	.48	.00	.00	.00	.00	.00	.48	.00	.00	.00	.00	3.81	11.43	1.90	.00	.00	.00	18.10
(2)	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.23	.68	.11	.00	.00	.00	1.07
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	9	12	1	0	0	0	22
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.29	5.71	.48	.00	.00	.00	10.48
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.34	.03	.00	.00	.00	.62
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	12	0	0	0	0	13
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48	5.71	.00	.00	.00	.00	6.19
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.34	.00	.00	.00	.00	.37
ALL SPEEDS	5	3	4	1	1	4	10	15	5	0	0	62	74	15	3	8	0	210
(1)	2.38	1.43	1.90	.48	.48	1.90	4.76	7.14	2.38	.00	.00	29.52	35.24	7.14	1.43	3.81	.00	100.00
(2)	.14	.08	.11	.03	.03	.11	.28	.42	.14	.00	.00	1.75	2.09	.42	.08	.23	.00	5.93

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Table 2.3-43—{NMPNS 30 ft (9-m) 2001-2005 May JFD}

(Page 4 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 31.82

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	1	1	1	0	0	1	0	0	1	0	1	2	2	3	1	0	15
(1)	.09	.09	.09	.09	.00	.00	.09	.00	.00	.09	.00	.09	.18	.18	.27	.09	.00	1.33
(2)	.03	.03	.03	.03	.00	.00	.03	.00	.00	.03	.00	.03	.06	.06	.08	.03	.00	.42
1.1- 1.5	1	2	7	5	3	1	3	0	0	0	3	3	2	5	2	4	0	41
(1)	.09	.18	.62	.44	.27	.09	.27	.00	.00	.00	.27	.27	.18	.44	.18	.35	.00	3.64
(2)	.03	.06	.20	.14	.08	.03	.08	.00	.00	.00	.08	.08	.06	.14	.06	.11	.00	1.16
1.6- 2.0	3	5	9	9	6	2	5	2	2	2	6	15	6	5	1	7	0	85
(1)	.27	.44	.80	.80	.53	.18	.44	.18	.18	.18	.53	1.33	.53	.44	.09	.62	.00	7.54
(2)	.08	.14	.25	.25	.17	.06	.14	.06	.06	.06	.17	.42	.17	.14	.03	.20	.00	2.40
2.1- 3.0	7	21	17	10	9	12	31	15	8	10	18	57	26	5	6	4	0	256
(1)	.62	1.86	1.51	.89	.80	1.06	2.75	1.33	.71	.89	1.60	5.06	2.31	.44	.53	.35	.00	22.72
(2)	.20	.59	.48	.28	.25	.34	.88	.42	.23	.28	.51	1.61	.73	.14	.17	.11	.00	7.23
3.1- 4.0	7	11	5	1	6	38	35	21	22	8	16	82	29	5	1	6	0	293
(1)	.62	.98	.44	.09	.53	3.37	3.11	1.86	1.95	.71	1.42	7.28	2.57	.44	.09	.53	.00	26.00
(2)	.20	.31	.14	.03	.17	1.07	.99	.59	.62	.23	.45	2.32	.82	.14	.03	.17	.00	8.27
4.1- 5.0	5	1	2	0	0	50	29	11	16	8	7	62	29	6	1	3	0	230
(1)	.44	.09	.18	.00	.00	4.44	2.57	.98	1.42	.71	.62	5.50	2.57	.53	.09	.27	.00	20.41
(2)	.14	.03	.06	.00	.00	1.41	.82	.31	.45	.23	.20	1.75	.82	.17	.03	.08	.00	6.49
5.1- 6.0	2	0	0	0	0	10	3	3	12	0	1	19	19	7	0	0	0	76
(1)	.18	.00	.00	.00	.00	.89	.27	.27	1.06	.00	.09	1.69	1.69	.62	.00	.00	.00	6.74
(2)	.06	.00	.00	.00	.00	.28	.08	.08	.34	.00	.03	.54	.54	.20	.00	.00	.00	2.15
6.1- 8.0	2	0	0	0	0	1	7	4	7	1	1	20	40	13	1	0	0	97
(1)	.18	.00	.00	.00	.00	.09	.62	.35	.62	.09	.09	1.77	3.55	1.15	.09	.00	.00	8.61
(2)	.06	.00	.00	.00	.00	.03	.20	.11	.20	.03	.03	.56	1.13	.37	.03	.00	.00	2.74
8.1-10.0	0	0	0	0	0	0	1	0	0	0	0	4	11	4	1	0	0	21
(1)	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.35	.98	.35	.09	.00	.00	1.86
(2)	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.11	.31	.11	.03	.00	.00	.59
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	3	8	1	1	0	0	13
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27	.71	.09	.09	.00	.00	1.15
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.23	.03	.03	.00	.00	.37
ALL SPEEDS	28	41	41	26	24	114	115	56	67	30	52	266	172	53	17	25	0	1127
(1)	2.48	3.64	3.64	2.31	2.13	10.12	10.20	4.97	5.94	2.66	4.61	23.60	15.26	4.70	1.51	2.22	.00	100.00
(2)	.79	1.16	1.16	.73	.68	3.22	3.25	1.58	1.89	.85	1.47	7.51	4.86	1.50	.48	.71	.00	31.82

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Table 2.3-43—{NMPNS 30 ft (9-m) 2001-2005 May JFD}

(Page 5 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 31.42

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.09	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18
(2)	.00	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
.5- 1.0	0	4	9	10	8	5	4	3	4	6	5	4	4	4	3	3	0	76
(1)	.00	.36	.81	.90	.72	.45	.36	.27	.36	.54	.45	.36	.36	.36	.27	.27	.00	6.83
(2)	.00	.11	.25	.28	.23	.14	.11	.08	.11	.17	.14	.11	.11	.11	.08	.08	.00	2.15
1.1- 1.5	8	5	11	11	9	6	5	5	5	13	12	15	9	10	9	13	0	146
(1)	.72	.45	.99	.99	.81	.54	.45	.45	.45	1.17	1.08	1.35	.81	.90	.81	1.17	.00	13.12
(2)	.23	.14	.31	.31	.25	.17	.14	.14	.14	.37	.34	.42	.25	.28	.25	.37	.00	4.12
1.6- 2.0	7	15	24	26	9	10	11	6	3	7	15	18	11	6	1	4	0	173
(1)	.63	1.35	2.16	2.34	.81	.90	.99	.54	.27	.63	1.35	1.62	.99	.54	.09	.36	.00	15.54
(2)	.20	.42	.68	.73	.25	.28	.31	.17	.08	.20	.42	.51	.31	.17	.03	.11	.00	4.88
2.1- 3.0	12	23	10	10	6	27	46	26	21	15	26	56	21	7	5	9	0	320
(1)	1.08	2.07	.90	.90	.54	2.43	4.13	2.34	1.89	1.35	2.34	5.03	1.89	.63	.45	.81	.00	28.75
(2)	.34	.65	.28	.28	.17	.76	1.30	.73	.59	.42	.73	1.58	.59	.20	.14	.25	.00	9.03
3.1- 4.0	8	10	1	0	3	23	37	20	27	7	17	62	17	3	2	4	0	241
(1)	.72	.90	.09	.00	.27	2.07	3.32	1.80	2.43	.63	1.53	5.57	1.53	.27	.18	.36	.00	21.65
(2)	.23	.28	.03	.00	.08	.65	1.04	.56	.76	.20	.48	1.75	.48	.08	.06	.11	.00	6.80
4.1- 5.0	5	1	0	0	0	7	3	7	19	8	9	28	9	5	1	4	0	106
(1)	.45	.09	.00	.00	.00	.63	.27	.63	1.71	.72	.81	2.52	.81	.45	.09	.36	.00	9.52
(2)	.14	.03	.00	.00	.00	.20	.08	.20	.54	.23	.25	.79	.25	.14	.03	.11	.00	2.99
5.1- 6.0	3	0	0	0	0	1	0	0	2	1	0	9	3	4	0	0	0	23
(1)	.27	.00	.00	.00	.00	.09	.00	.00	.18	.09	.00	.81	.27	.36	.00	.00	.00	2.07
(2)	.08	.00	.00	.00	.00	.03	.00	.00	.06	.03	.00	.25	.08	.11	.00	.00	.00	.65
6.1- 8.0	1	0	0	0	0	0	1	1	0	0	2	3	12	1	0	0	0	21
(1)	.09	.00	.00	.00	.00	.00	.09	.09	.00	.00	.18	.27	1.08	.09	.00	.00	.00	1.89
(2)	.03	.00	.00	.00	.00	.00	.03	.03	.00	.00	.06	.08	.34	.03	.00	.00	.00	.59
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.09	.00	.00	.00	.00	.27
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.03	.00	.00	.00	.00	.08
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.09	.00	.00	.00	.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.06
ALL SPEEDS	44	58	55	58	35	79	107	69	81	57	86	197	88	41	21	37	0	1113
(1)	3.95	5.21	4.94	5.21	3.14	7.10	9.61	6.20	7.28	5.12	7.73	17.70	7.91	3.68	1.89	3.32	.00	100.00
(2)	1.24	1.64	1.55	1.64	.99	2.23	3.02	1.95	2.29	1.61	2.43	5.56	2.48	1.16	.59	1.04	.00	31.42

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Table 2.3-43—{NMPNS 30 ft (9-m) 2001-2005 May JFD}

(Page 6 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 12.08

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.00	.00	.00	.00	.00	.00	.00	.23
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	2	2	4	5	5	2	5	4	10	1	3	2	2	3	1	0	52
(1)	.23	.47	.47	.93	1.17	1.17	.47	1.17	.93	2.34	.23	.70	.47	.47	.70	.23	.00	12.15
(2)	.03	.06	.06	.11	.14	.14	.06	.14	.11	.28	.03	.08	.06	.06	.08	.03	.00	1.47
1.1- 1.5	4	6	5	7	11	5	2	5	9	3	3	6	3	9	5	10	0	93
(1)	.93	1.40	1.17	1.64	2.57	1.17	.47	1.17	2.10	.70	.70	1.40	.70	2.10	1.17	2.34	.00	21.73
(2)	.11	.17	.14	.20	.31	.14	.06	.14	.25	.08	.08	.17	.08	.25	.14	.28	.00	2.63
1.6- 2.0	7	7	13	6	7	6	8	6	7	1	4	6	2	8	1	2	0	91
(1)	1.64	1.64	3.04	1.40	1.64	1.40	1.87	1.40	1.64	.23	.93	1.40	.47	1.87	.23	.47	.00	21.26
(2)	.20	.20	.37	.17	.20	.17	.23	.17	.20	.03	.11	.17	.06	.23	.03	.06	.00	2.57
2.1- 3.0	10	8	6	1	3	14	7	19	12	9	5	21	8	0	1	3	0	127
(1)	2.34	1.87	1.40	.23	.70	3.27	1.64	4.44	2.80	2.10	1.17	4.91	1.87	.00	.23	.70	.00	29.67
(2)	.28	.23	.17	.03	.08	.40	.20	.54	.34	.25	.14	.59	.23	.00	.03	.08	.00	3.59
3.1- 4.0	6	2	1	0	0	0	0	2	9	2	2	15	3	1	2	2	0	47
(1)	1.40	.47	.23	.00	.00	.00	.00	.47	2.10	.47	.47	3.50	.70	.23	.47	.47	.00	10.98
(2)	.17	.06	.03	.00	.00	.00	.00	.06	.25	.06	.06	.42	.08	.03	.06	.06	.00	1.33
4.1- 5.0	1	0	0	0	0	0	0	0	0	0	0	4	1	1	1	2	0	10
(1)	.23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.93	.23	.23	.23	.47	.00	2.34
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.03	.03	.03	.06	.00	.28
5.1- 6.0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	3
(1)	.23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.23	.00	.00	.00	.70
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.08
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.70	.00	.00	.00	.00	.70
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00	.08
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.00	.00	.00	.00	.23
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	30	25	27	18	26	30	19	37	41	26	15	55	24	22	13	20	0	428
(1)	7.01	5.84	6.31	4.21	6.07	7.01	4.44	8.64	9.58	6.07	3.50	12.85	5.61	5.14	3.04	4.67	.00	100.00
(2)	.85	.71	.76	.51	.73	.85	.54	1.04	1.16	.73	.42	1.55	.68	.62	.37	.56	.00	12.08

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Table 2.3-43—{NMPNS 30 ft (9-m) 2001-2005 May JFD}

(Page 7 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 10.78

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	1	0	1	0	2	13	13	15	8	5	0	1	1	2	1	1	0	64
(1)	.26	.00	.26	.00	.52	3.40	3.40	3.93	2.09	1.31	.00	.26	.26	.52	.26	.26	.00	16.75
(2)	.03	.00	.03	.00	.06	.37	.37	.42	.23	.14	.00	.03	.03	.06	.03	.03	.00	1.81
1.1- 1.5	3	3	3	5	7	11	25	9	5	1	1	6	5	6	4	1	0	95
(1)	.79	.79	.79	1.31	1.83	2.88	6.54	2.36	1.31	.26	.26	1.57	1.31	1.57	1.05	.26	.00	24.87
(2)	.08	.08	.08	.14	.20	.31	.71	.25	.14	.03	.03	.17	.14	.17	.11	.03	.00	2.68
1.6- 2.0	3	3	6	1	2	19	12	14	3	0	0	4	8	5	3	4	0	87
(1)	.79	.79	1.57	.26	.52	4.97	3.14	3.66	.79	.00	.00	1.05	2.09	1.31	.79	1.05	.00	22.77
(2)	.08	.08	.17	.03	.06	.54	.34	.40	.08	.00	.00	.11	.23	.14	.08	.11	.00	2.46
2.1- 3.0	9	8	8	0	1	7	18	28	7	2	0	7	4	1	3	6	0	109
(1)	2.36	2.09	2.09	.00	.26	1.83	4.71	7.33	1.83	.52	.00	1.83	1.05	.26	.79	1.57	.00	28.53
(2)	.25	.23	.23	.00	.03	.20	.51	.79	.20	.06	.00	.20	.11	.03	.08	.17	.00	3.08
3.1- 4.0	3	1	0	0	0	0	0	1	1	0	0	2	2	1	1	3	0	15
(1)	.79	.26	.00	.00	.00	.00	.00	.26	.26	.00	.00	.52	.52	.26	.26	.79	.00	3.93
(2)	.08	.03	.00	.00	.00	.00	.00	.03	.03	.00	.00	.06	.06	.03	.03	.08	.00	.42
4.1- 5.0	1	1	0	0	0	0	0	0	0	0	0	3	1	1	0	1	0	8
(1)	.26	.26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.79	.26	.26	.00	.26	.00	2.09
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.03	.03	.00	.03	.00	.23
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.00	.00	.00	.26
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.00	.00	.00	.00	.00	.26
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.00	.00	.00	.00	.26
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	20	16	18	6	13	50	68	67	24	8	1	24	22	17	12	16	0	382
(1)	5.24	4.19	4.71	1.57	3.40	13.09	17.80	17.54	6.28	2.09	.26	6.28	5.76	4.45	3.14	4.19	.00	100.00
(2)	.56	.45	.51	.17	.37	1.41	1.92	1.89	.68	.23	.03	.68	.62	.48	.34	.45	.00	10.78

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Table 2.3-43—{NMPNS 30 ft (9-m) 2001-2005 May JFD}

(Page 8 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03
.3- .4	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.03	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
(2)	.00	.00	.00	.03	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
.5- 1.0	3	7	13	15	15	23	20	23	16	22	6	9	9	10	10	6	0	207
(1)	.08	.20	.37	.42	.42	.65	.56	.65	.45	.62	.17	.25	.25	.28	.28	.17	.00	5.84
(2)	.08	.20	.37	.42	.42	.65	.56	.65	.45	.62	.17	.25	.25	.28	.28	.17	.00	5.84
1.1- 1.5	16	16	26	28	30	23	35	19	19	17	19	30	19	30	20	28	0	375
(1)	.45	.45	.73	.79	.85	.65	.99	.54	.54	.48	.54	.85	.54	.85	.56	.79	.00	10.59
(2)	.45	.45	.73	.79	.85	.65	.99	.54	.54	.48	.54	.85	.54	.85	.56	.79	.00	10.59
1.6- 2.0	20	30	55	42	24	37	36	28	15	10	25	43	28	25	6	19	0	443
(1)	.56	.85	1.55	1.19	.68	1.04	1.02	.79	.42	.28	.71	1.21	.79	.71	.17	.54	.00	12.51
(2)	.56	.85	1.55	1.19	.68	1.04	1.02	.79	.42	.28	.71	1.21	.79	.71	.17	.54	.00	12.51
2.1- 3.0	43	67	46	23	19	65	109	91	49	36	49	149	63	15	19	28	0	871
(1)	1.21	1.89	1.30	.65	.54	1.84	3.08	2.57	1.38	1.02	1.38	4.21	1.78	.42	.54	.79	.00	24.59
(2)	1.21	1.89	1.30	.65	.54	1.84	3.08	2.57	1.38	1.02	1.38	4.21	1.78	.42	.54	.79	.00	24.59
3.1- 4.0	35	28	7	1	11	67	84	54	60	17	35	204	63	13	11	20	0	710
(1)	.99	.79	.20	.03	.31	1.89	2.37	1.52	1.69	.48	.99	5.76	1.78	.37	.31	.56	.00	20.05
(2)	.99	.79	.20	.03	.31	1.89	2.37	1.52	1.69	.48	.99	5.76	1.78	.37	.31	.56	.00	20.05
4.1- 5.0	21	4	2	0	0	62	42	33	38	16	17	132	43	19	9	16	0	454
(1)	.59	.11	.06	.00	.00	1.75	1.19	.93	1.07	.45	.48	3.73	1.21	.54	.25	.45	.00	12.82
(2)	.59	.11	.06	.00	.00	1.75	1.19	.93	1.07	.45	.48	3.73	1.21	.54	.25	.45	.00	12.82
5.1- 6.0	12	2	0	0	0	15	6	7	18	1	1	48	40	17	0	1	0	168
(1)	.34	.06	.00	.00	.00	.42	.17	.20	.51	.03	.03	1.36	1.13	.48	.00	.03	.00	4.74
(2)	.34	.06	.00	.00	.00	.42	.17	.20	.51	.03	.03	1.36	1.13	.48	.00	.03	.00	4.74
6.1- 8.0	9	3	0	0	0	1	10	5	9	1	3	41	97	19	1	1	0	200
(1)	.25	.08	.00	.00	.00	.03	.28	.14	.25	.03	.08	1.16	2.74	.54	.03	.03	.00	5.65
(2)	.25	.08	.00	.00	.00	.03	.28	.14	.25	.03	.08	1.16	2.74	.54	.03	.03	.00	5.65
8.1-10.0	0	0	0	0	0	0	1	1	0	0	0	19	48	5	1	0	0	75
(1)	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.54	1.36	.14	.03	.00	.00	2.12
(2)	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.54	1.36	.14	.03	.00	.00	2.12
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	6	26	2	1	0	0	35
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.73	.06	.03	.00	.00	.99
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.73	.06	.03	.00	.00	.99
ALL SPEEDS	159	157	149	110	100	293	343	262	224	121	155	681	436	155	78	119	0	3542
(1)	4.49	4.43	4.21	3.11	2.82	8.27	9.68	7.40	6.32	3.42	4.38	19.23	12.31	4.38	2.20	3.36	.00	100.00
(2)	4.49	4.43	4.21	3.11	2.82	8.27	9.68	7.40	6.32	3.42	4.38	19.23	12.31	4.38	2.20	3.36	.00	100.00

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Table 2.3-44—{NMPNS 30 ft (9-m) 2001-2005 June JFD}

(Page 1 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 5.44

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.52	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	2	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	.52	2.58	1.03	.00	4.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.14	.06	.00	.25
1.6- 2.0	2	0	0	0	0	0	0	0	0	0	0	1	0	4	7	9	0	23
(1)	1.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	.00	2.06	3.61	4.64	.00	11.86
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.11	.20	.25	.00	.65
2.1- 3.0	9	1	0	0	0	0	0	1	0	0	0	13	0	4	8	8	0	44
(1)	4.64	.52	.00	.00	.00	.00	.00	.52	.00	.00	.00	6.70	.00	2.06	4.12	4.12	.00	22.68
(2)	.25	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.36	.00	.11	.22	.22	.00	1.23
3.1- 4.0	7	2	0	0	0	0	1	2	0	0	0	38	8	1	1	1	0	61
(1)	3.61	1.03	.00	.00	.00	.00	.52	1.03	.00	.00	.00	19.59	4.12	.52	.52	.52	.00	31.44
(2)	.20	.06	.00	.00	.00	.00	.03	.06	.00	.00	.00	1.07	.22	.03	.03	.03	.00	1.71
4.1- 5.0	2	1	0	0	0	0	2	0	1	0	0	13	3	0	1	0	0	23
(1)	1.03	.52	.00	.00	.00	.00	1.03	.00	.52	.00	.00	6.70	1.55	.00	.52	.00	.00	11.86
(2)	.06	.03	.00	.00	.00	.00	.06	.00	.03	.00	.00	.36	.08	.00	.03	.00	.00	.65
5.1- 6.0	3	0	0	0	0	0	0	0	0	0	0	4	5	0	1	0	0	13
(1)	1.55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.06	2.58	.00	.52	.00	.00	6.70
(2)	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.14	.00	.03	.00	.00	.36
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	3	5	4	0	0	0	12
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.55	2.58	2.06	.00	.00	.00	6.19
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.14	.11	.00	.00	.00	.34
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	.00	.00	.00	.00	.52
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.61	.00	.00	.00	.00	3.61
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00	.00	.20
ALL SPEEDS	24	4	0	0	0	0	3	3	1	0	0	72	30	14	23	20	0	194
(1)	12.37	2.06	.00	.00	.00	.00	1.55	1.55	.52	.00	.00	37.11	15.46	7.22	11.86	10.31	.00	100.00
(2)	.67	.11	.00	.00	.00	.00	.08	.08	.03	.00	.00	2.02	.84	.39	.65	.56	.00	5.44

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Table 2.3-44—{NMPNS 30 ft (9-m) 2001-2005 June JFD}

(Page 2 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.14

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.89	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.89
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.57	.89	.00	4.46
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.03	.00	.14
1.6- 2.0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	5	0	8
(1)	.89	.89	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.89	.00	4.46	.00	7.14
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.14	.00	.22
2.1- 3.0	2	2	2	0	0	0	0	2	1	3	0	9	4	5	0	2	0	32
(1)	1.79	1.79	1.79	.00	.00	.00	.00	1.79	.89	2.68	.00	8.04	3.57	4.46	.00	1.79	.00	28.57
(2)	.06	.06	.06	.00	.00	.00	.00	.06	.03	.08	.00	.25	.11	.14	.00	.06	.00	.90
3.1- 4.0	3	6	0	0	0	2	1	2	1	1	0	11	5	3	0	1	0	36
(1)	2.68	5.36	.00	.00	.00	1.79	.89	1.79	.89	.89	.00	9.82	4.46	2.68	.00	.89	.00	32.14
(2)	.08	.17	.00	.00	.00	.06	.03	.06	.03	.03	.00	.31	.14	.08	.00	.03	.00	1.01
4.1- 5.0	1	0	0	0	0	0	0	0	2	0	0	8	4	0	0	0	0	15
(1)	.89	.00	.00	.00	.00	.00	.00	.00	1.79	.00	.00	7.14	3.57	.00	.00	.00	.00	13.39
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.22	.11	.00	.00	.00	.00	.42
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.89	.89	.00	.00	.00	.00	1.79
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.06
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	2	3	1	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.79	2.68	.89	.00	.00	.00	5.36
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.08	.03	.00	.00	.00	.17
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.25	.00	.00	.00	.00	6.25
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00	.00	.20
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	8	9	2	0	0	2	1	4	4	4	0	31	24	10	4	9	0	112
(1)	7.14	8.04	1.79	.00	.00	1.79	.89	3.57	3.57	3.57	.00	27.68	21.43	8.93	3.57	8.04	.00	100.00
(2)	.22	.25	.06	.00	.00	.06	.03	.11	.11	.11	.00	.87	.67	.28	.11	.25	.00	3.14

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Table 2.3-44—{NMPNS 30 ft (9-m) 2001-2005 June JFD}

(Page 3 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 3.54

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.79	.00	.00	.00	.00	.00	.79
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	1	2	0	0	0	0	0	0	0	0	1	0	1	1	4	0	10
(1)	.00	.79	1.59	.00	.00	.00	.00	.00	.00	.00	.00	.79	.00	.79	.79	3.17	.00	7.94
(2)	.00	.03	.06	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.03	.11	.00	.28
1.6- 2.0	1	1	0	0	0	0	0	1	0	0	0	1	0	1	1	3	0	9
(1)	.79	.79	.00	.00	.00	.00	.00	.79	.00	.00	.00	.79	.00	.79	.79	2.38	.00	7.14
(2)	.03	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.00	.03	.03	.08	.00	.25
2.1- 3.0	2	5	0	0	0	0	2	3	5	2	0	9	2	3	1	1	0	35
(1)	1.59	3.97	.00	.00	.00	.00	1.59	2.38	3.97	1.59	.00	7.14	1.59	2.38	.79	.79	.00	27.78
(2)	.06	.14	.00	.00	.00	.00	.06	.08	.14	.06	.00	.25	.06	.08	.03	.03	.00	.98
3.1- 4.0	2	2	0	0	1	0	1	3	5	6	0	12	6	1	1	0	0	40
(1)	1.59	1.59	.00	.00	.79	.00	.79	2.38	3.97	4.76	.00	9.52	4.76	.79	.79	.00	.00	31.75
(2)	.06	.06	.00	.00	.03	.00	.03	.08	.14	.17	.00	.34	.17	.03	.03	.00	.00	1.12
4.1- 5.0	1	0	0	0	0	2	0	0	0	1	0	5	3	1	0	0	0	13
(1)	.79	.00	.00	.00	.00	1.59	.00	.00	.00	.79	.00	3.97	2.38	.79	.00	.00	.00	10.32
(2)	.03	.00	.00	.00	.00	.06	.00	.00	.00	.03	.00	.14	.08	.03	.00	.00	.00	.36
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.17	1.59	.00	.00	.00	.00	4.76
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.06	.00	.00	.00	.00	.17
6.1- 8.0	0	1	0	0	0	0	0	0	0	0	0	0	7	1	0	0	0	9
(1)	.00	.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.56	.79	.00	.00	.00	7.14
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.03	.00	.00	.00	.25
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.38	.00	.00	.00	.00	2.38
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00	.08
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	6	10	2	0	1	2	3	7	10	9	0	33	23	8	4	8	0	126
(1)	4.76	7.94	1.59	.00	.79	1.59	2.38	5.56	7.94	7.14	.00	26.19	18.25	6.35	3.17	6.35	.00	100.00
(2)	.17	.28	.06	.00	.03	.06	.08	.20	.28	.25	.00	.93	.65	.22	.11	.22	.00	3.54

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Table 2.3-44—{NMPNS 30 ft (9-m) 2001-2005 June JFD}

(Page 4 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 26.69

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	1	6	1	1	0	2	0	1	2	0	3	1	2	2	0	23
(1)	.11	.00	.11	.63	.11	.11	.00	.21	.00	.11	.21	.00	.32	.11	.21	.21	.00	2.42
(2)	.03	.00	.03	.17	.03	.03	.00	.06	.00	.03	.06	.00	.08	.03	.06	.06	.00	.65
1.1- 1.5	11	4	6	4	7	2	3	2	3	6	2	7	8	9	12	9	0	95
(1)	1.16	.42	.63	.42	.74	.21	.32	.21	.32	.63	.21	.74	.84	.95	1.26	.95	.00	9.99
(2)	.31	.11	.17	.11	.20	.06	.08	.06	.08	.17	.06	.20	.22	.25	.34	.25	.00	2.67
1.6- 2.0	10	15	15	8	3	5	7	5	11	5	4	7	13	8	10	7	0	133
(1)	1.05	1.58	1.58	.84	.32	.53	.74	.53	1.16	.53	.42	.74	1.37	.84	1.05	.74	.00	13.99
(2)	.28	.42	.42	.22	.08	.14	.20	.14	.31	.14	.11	.20	.36	.22	.28	.20	.00	3.73
2.1- 3.0	11	21	15	3	4	6	19	14	17	19	22	96	27	15	3	3	0	295
(1)	1.16	2.21	1.58	.32	.42	.63	2.00	1.47	1.79	2.00	2.31	10.09	2.84	1.58	.32	.32	.00	31.02
(2)	.31	.59	.42	.08	.11	.17	.53	.39	.48	.53	.62	2.69	.76	.42	.08	.08	.00	8.28
3.1- 4.0	3	16	1	0	0	13	13	13	23	9	18	95	30	3	1	0	0	238
(1)	.32	1.68	.11	.00	.00	1.37	1.37	1.37	2.42	.95	1.89	9.99	3.15	.32	.11	.00	.00	25.03
(2)	.08	.45	.03	.00	.00	.36	.36	.36	.65	.25	.51	2.67	.84	.08	.03	.00	.00	6.68
4.1- 5.0	2	3	0	0	0	7	13	3	3	10	9	30	13	5	1	0	0	99
(1)	.21	.32	.00	.00	.00	.74	1.37	.32	.32	1.05	.95	3.15	1.37	.53	.11	.00	.00	10.41
(2)	.06	.08	.00	.00	.00	.20	.36	.08	.08	.28	.25	.84	.36	.14	.03	.00	.00	2.78
5.1- 6.0	4	0	0	0	0	2	1	0	1	1	0	12	10	3	1	0	0	35
(1)	.42	.00	.00	.00	.00	.21	.11	.00	.11	.11	.00	1.26	1.05	.32	.11	.00	.00	3.68
(2)	.11	.00	.00	.00	.00	.06	.03	.00	.03	.03	.00	.34	.28	.08	.03	.00	.00	.98
6.1- 8.0	0	1	0	0	0	0	0	0	0	0	0	2	17	4	0	0	0	24
(1)	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	1.79	.42	.00	.00	.00	2.52
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.48	.11	.00	.00	.00	.67
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.74	.00	.00	.00	.00	.74
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00	.00	.20
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.00	.00	.00	.00	.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.06
ALL SPEEDS	42	60	38	21	15	36	56	39	58	51	57	249	130	48	30	21	0	951
(1)	4.42	6.31	4.00	2.21	1.58	3.79	5.89	4.10	6.10	5.36	5.99	26.18	13.67	5.05	3.15	2.21	.00	100.00
(2)	1.18	1.68	1.07	.59	.42	1.01	1.57	1.09	1.63	1.43	1.60	6.99	3.65	1.35	.84	.59	.00	26.69

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Table 2.3-44—{NMPNS 30 ft (9-m) 2001-2005 June JFD}

(Page 5 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 34.44

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	1	5	7	6	7	3	4	11	5	7	3	5	7	3	3	0	80
(1)	.24	.08	.41	.57	.49	.57	.24	.33	.90	.41	.57	.24	.41	.57	.24	.24	.00	6.52
(2)	.08	.03	.14	.20	.17	.20	.08	.11	.31	.14	.20	.08	.14	.20	.08	.08	.00	2.25
1.1- 1.5	12	13	22	12	12	14	10	8	9	10	8	17	11	16	8	8	0	190
(1)	.98	1.06	1.79	.98	.98	1.14	.81	.65	.73	.81	.65	1.39	.90	1.30	.65	.65	.00	15.48
(2)	.34	.36	.62	.34	.34	.39	.28	.22	.25	.28	.22	.48	.31	.45	.22	.22	.00	5.33
1.6- 2.0	11	21	16	9	4	11	12	13	11	19	24	26	13	15	4	9	0	218
(1)	.90	1.71	1.30	.73	.33	.90	.98	1.06	.90	1.55	1.96	2.12	1.06	1.22	.33	.73	.00	17.77
(2)	.31	.59	.45	.25	.11	.31	.34	.36	.31	.53	.67	.73	.36	.42	.11	.25	.00	6.12
2.1- 3.0	13	22	9	3	1	16	27	40	39	34	51	103	37	5	0	0	0	400
(1)	1.06	1.79	.73	.24	.08	1.30	2.20	3.26	3.18	2.77	4.16	8.39	3.02	.41	.00	.00	.00	32.60
(2)	.36	.62	.25	.08	.03	.45	.76	1.12	1.09	.95	1.43	2.89	1.04	.14	.00	.00	.00	11.23
3.1- 4.0	1	1	0	0	0	13	23	20	41	22	27	62	15	1	0	0	0	226
(1)	.08	.08	.00	.00	.00	1.06	1.87	1.63	3.34	1.79	2.20	5.05	1.22	.08	.00	.00	.00	18.42
(2)	.03	.03	.00	.00	.00	.36	.65	.56	1.15	.62	.76	1.74	.42	.03	.00	.00	.00	6.34
4.1- 5.0	0	0	0	0	0	11	9	6	15	3	12	17	12	1	0	0	0	86
(1)	.00	.00	.00	.00	.00	.90	.73	.49	1.22	.24	.98	1.39	.98	.08	.00	.00	.00	7.01
(2)	.00	.00	.00	.00	.00	.31	.25	.17	.42	.08	.34	.48	.34	.03	.00	.00	.00	2.41
5.1- 6.0	0	0	0	0	0	2	0	1	1	0	0	4	7	2	0	0	0	17
(1)	.00	.00	.00	.00	.00	.16	.00	.08	.08	.00	.00	.33	.57	.16	.00	.00	.00	1.39
(2)	.00	.00	.00	.00	.00	.06	.00	.03	.03	.00	.00	.11	.20	.06	.00	.00	.00	.48
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.41	.08	.00	.00	.00	.57
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.14	.03	.00	.00	.00	.20
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.08	.00	.00	.00	.24
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.03	.00	.00	.00	.08
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	40	58	52	31	23	74	84	92	127	93	129	233	107	49	15	20	0	1227
(1)	3.26	4.73	4.24	2.53	1.87	6.03	6.85	7.50	10.35	7.58	10.51	18.99	8.72	3.99	1.22	1.63	.00	100.00
(2)	1.12	1.63	1.46	.87	.65	2.08	2.36	2.58	3.56	2.61	3.62	6.54	3.00	1.38	.42	.56	.00	34.44

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Table 2.3-44—{NMPNS 30 ft (9-m) 2001-2005 June JFD}

(Page 6 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 14.90

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	1	3	9	5	7	17	13	8	4	5	3	2	1	3	1	0	85
(1)	.56	.19	.56	1.69	.94	1.32	3.20	2.45	1.51	.75	.94	.56	.38	.19	.56	.19	.00	16.01
(2)	.08	.03	.08	.25	.14	.20	.48	.36	.22	.11	.14	.08	.06	.03	.08	.03	.00	2.39
1.1- 1.5	2	3	2	4	15	12	12	10	16	10	3	9	8	7	5	8	0	126
(1)	.38	.56	.38	.75	2.82	2.26	2.26	1.88	3.01	1.88	.56	1.69	1.51	1.32	.94	1.51	.00	23.73
(2)	.06	.08	.06	.11	.42	.34	.34	.28	.45	.28	.08	.25	.22	.20	.14	.22	.00	3.54
1.6- 2.0	5	3	6	1	10	10	15	6	5	11	9	4	14	2	1	3	0	105
(1)	.94	.56	1.13	.19	1.88	1.88	2.82	1.13	.94	2.07	1.69	.75	2.64	.38	.19	.56	.00	19.77
(2)	.14	.08	.17	.03	.28	.28	.42	.17	.14	.31	.25	.11	.39	.06	.03	.08	.00	2.95
2.1- 3.0	8	9	0	0	0	2	13	18	32	22	6	22	11	3	1	2	0	149
(1)	1.51	1.69	.00	.00	.00	.38	2.45	3.39	6.03	4.14	1.13	4.14	2.07	.56	.19	.38	.00	28.06
(2)	.22	.25	.00	.00	.00	.06	.36	.51	.90	.62	.17	.62	.31	.08	.03	.06	.00	4.18
3.1- 4.0	0	1	0	0	0	0	0	4	18	4	2	15	6	1	0	0	0	51
(1)	.00	.19	.00	.00	.00	.00	.00	.75	3.39	.75	.38	2.82	1.13	.19	.00	.00	.00	9.60
(2)	.00	.03	.00	.00	.00	.00	.00	.11	.51	.11	.06	.42	.17	.03	.00	.00	.00	1.43
4.1- 5.0	0	0	0	0	0	0	0	0	1	1	0	6	5	2	0	0	0	15
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.19	.19	.00	1.13	.94	.38	.00	.00	.00	2.82
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.17	.14	.06	.00	.00	.00	.42
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	18	17	11	14	30	31	57	51	80	52	25	59	46	16	10	14	0	531
(1)	3.39	3.20	2.07	2.64	5.65	5.84	10.73	9.60	15.07	9.79	4.71	11.11	8.66	3.01	1.88	2.64	.00	100.00
(2)	.51	.48	.31	.39	.84	.87	1.60	1.43	2.25	1.46	.70	1.66	1.29	.45	.28	.39	.00	14.90

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Table 2.3-44—{NMPNS 30 ft (9-m) 2001-2005 June JFD}

(Page 7 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 11.84

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	5	11	50	16	5	4	1	1	0	1	1	0	0	95
(1)	.00	.00	.00	.00	1.18	2.61	11.85	3.79	1.18	.95	.24	.24	.00	.24	.24	.00	.00	22.51
(2)	.00	.00	.00	.00	.14	.31	1.40	.45	.14	.11	.03	.03	.00	.03	.03	.00	.00	2.67
1.1- 1.5	0	1	0	0	4	28	47	28	8	2	3	1	0	0	2	1	0	125
(1)	.00	.24	.00	.00	.95	6.64	11.14	6.64	1.90	.47	.71	.24	.00	.00	.47	.24	.00	29.62
(2)	.00	.03	.00	.00	.11	.79	1.32	.79	.22	.06	.08	.03	.00	.00	.06	.03	.00	3.51
1.6- 2.0	0	3	1	0	2	13	20	16	15	1	1	1	1	1	0	0	0	75
(1)	.00	.71	.24	.00	.47	3.08	4.74	3.79	3.55	.24	.24	.24	.24	.24	.00	.00	.00	17.77
(2)	.00	.08	.03	.00	.06	.36	.56	.45	.42	.03	.03	.03	.03	.03	.00	.00	.00	2.10
2.1- 3.0	0	2	1	0	0	3	19	32	26	8	0	8	8	0	0	0	0	107
(1)	.00	.47	.24	.00	.00	.71	4.50	7.58	6.16	1.90	.00	1.90	1.90	.00	.00	.00	.00	25.36
(2)	.00	.06	.03	.00	.00	.08	.53	.90	.73	.22	.00	.22	.22	.00	.00	.00	.00	3.00
3.1- 4.0	0	2	0	0	0	0	0	0	1	0	0	5	2	0	0	0	0	10
(1)	.00	.47	.00	.00	.00	.00	.00	.00	.24	.00	.00	1.18	.47	.00	.00	.00	.00	2.37
(2)	.00	.06	.00	.00	.00	.00	.00	.00	.03	.00	.00	.14	.06	.00	.00	.00	.00	.28
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	1	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.71	.24	.24	.00	.00	1.42
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.03	.03	.00	.00	.17
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.71	.00	.00	.00	.71
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.08
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.00	.00	.00	.00	.24
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	8	2	0	11	55	136	92	55	15	5	17	15	6	4	1	0	422
(1)	.00	1.90	.47	.00	2.61	13.03	32.23	21.80	13.03	3.55	1.18	4.03	3.55	1.42	.95	.24	.00	100.00
(2)	.00	.22	.06	.00	.31	1.54	3.82	2.58	1.54	.42	.14	.48	.42	.17	.11	.03	.00	11.84

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Table 2.3-44—{NMPNS 30 ft (9-m) 2001-2005 June JFD}

(Page 8 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	9	2	9	22	17	26	70	35	24	14	15	8	10	10	9	6	0	286
(1)	.25	.06	.25	.62	.48	.73	1.96	.98	.67	.39	.42	.22	.28	.28	.25	.17	.00	8.03
(2)	.25	.06	.25	.62	.48	.73	1.96	.98	.67	.39	.42	.22	.28	.28	.25	.17	.00	8.03
1.1- 1.5	25	22	32	20	38	56	72	48	36	28	16	35	28	34	37	33	0	560
(1)	.70	.62	.90	.56	1.07	1.57	2.02	1.35	1.01	.79	.45	.98	.79	.95	1.04	.93	.00	15.72
(2)	.70	.62	.90	.56	1.07	1.57	2.02	1.35	1.01	.79	.45	.98	.79	.95	1.04	.93	.00	15.72
1.6- 2.0	30	44	38	18	19	39	54	41	42	36	38	40	41	32	23	36	0	571
(1)	.84	1.23	1.07	.51	.53	1.09	1.52	1.15	1.18	1.01	1.07	1.12	1.15	.90	.65	1.01	.00	16.03
(2)	.84	1.23	1.07	.51	.53	1.09	1.52	1.15	1.18	1.01	1.07	1.12	1.15	.90	.65	1.01	.00	16.03
2.1- 3.0	45	62	27	6	5	27	80	110	120	88	79	260	89	35	13	16	0	1062
(1)	1.26	1.74	.76	.17	.14	.76	2.25	3.09	3.37	2.47	2.22	7.30	2.50	.98	.36	.45	.00	29.81
(2)	1.26	1.74	.76	.17	.14	.76	2.25	3.09	3.37	2.47	2.22	7.30	2.50	.98	.36	.45	.00	29.81
3.1- 4.0	16	30	1	0	1	28	39	44	89	42	47	238	72	10	3	2	0	662
(1)	.45	.84	.03	.00	.03	.79	1.09	1.23	2.50	1.18	1.32	6.68	2.02	.28	.08	.06	.00	18.58
(2)	.45	.84	.03	.00	.03	.79	1.09	1.23	2.50	1.18	1.32	6.68	2.02	.28	.08	.06	.00	18.58
4.1- 5.0	6	4	0	0	0	20	24	9	22	15	21	80	43	10	3	0	0	257
(1)	.17	.11	.00	.00	.00	.56	.67	.25	.62	.42	.59	2.25	1.21	.28	.08	.00	.00	7.21
(2)	.17	.11	.00	.00	.00	.56	.67	.25	.62	.42	.59	2.25	1.21	.28	.08	.00	.00	7.21
5.1- 6.0	7	0	0	0	0	4	1	1	2	1	0	25	25	8	2	0	0	76
(1)	.20	.00	.00	.00	.00	.11	.03	.03	.06	.03	.00	.70	.70	.22	.06	.00	.00	2.13
(2)	.20	.00	.00	.00	.00	.11	.03	.03	.06	.03	.00	.70	.70	.22	.06	.00	.00	2.13
6.1- 8.0	0	2	0	0	0	0	0	0	0	0	0	8	38	11	0	0	0	59
(1)	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	1.07	.31	.00	.00	.00	1.66
(2)	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	1.07	.31	.00	.00	.00	1.66
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	20	1	0	0	0	21
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.56	.03	.00	.00	.00	.59
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.56	.03	.00	.00	.00	.59
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.00	.00	.00	.00	.25
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.00	.00	.00	.00	.25
ALL SPEEDS	138	166	107	66	80	200	340	288	335	224	216	694	375	151	90	93	0	3563
(1)	3.87	4.66	3.00	1.85	2.25	5.61	9.54	8.08	9.40	6.29	6.06	19.48	10.52	4.24	2.53	2.61	.00	100.00
(2)	3.87	4.66	3.00	1.85	2.25	5.61	9.54	8.08	9.40	6.29	6.06	19.48	10.52	4.24	2.53	2.61	.00	100.00

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Table 2.3-45—{NMPNS 30 ft (9-m) 2001-2005 July JFD}

(Page 1 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 10.90

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	7	0	15
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	1.49	1.74	.00	3.73
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.16	.19	.00	.41
1.6- 2.0	5	2	1	0	0	0	0	0	1	0	0	1	0	10	18	8	0	46
(1)	1.24	.50	.25	.00	.00	.00	.00	.00	.25	.00	.00	.25	.00	2.49	4.48	1.99	.00	11.44
(2)	.14	.05	.03	.00	.00	.00	.00	.00	.03	.00	.00	.03	.00	.27	.49	.22	.00	1.25
2.1- 3.0	12	7	0	0	0	0	2	0	2	0	0	57	8	17	17	15	0	137
(1)	2.99	1.74	.00	.00	.00	.00	.50	.00	.50	.00	.00	14.18	1.99	4.23	4.23	3.73	.00	34.08
(2)	.33	.19	.00	.00	.00	.00	.05	.00	.05	.00	.00	1.55	.22	.46	.46	.41	.00	3.71
3.1- 4.0	13	8	0	0	0	0	4	1	4	0	1	51	10	8	2	1	0	103
(1)	3.23	1.99	.00	.00	.00	.00	1.00	.25	1.00	.00	.25	12.69	2.49	1.99	.50	.25	.00	25.62
(2)	.35	.22	.00	.00	.00	.00	.11	.03	.11	.00	.03	1.38	.27	.22	.05	.03	.00	2.79
4.1- 5.0	15	4	0	0	0	0	0	0	0	0	1	15	11	11	5	0	0	62
(1)	3.73	1.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	3.73	2.74	2.74	1.24	.00	.00	15.42
(2)	.41	.11	.00	.00	.00	.00	.00	.00	.00	.00	.03	.41	.30	.30	.14	.00	.00	1.68
5.1- 6.0	7	1	0	0	0	0	0	0	0	0	0	4	4	5	0	0	0	21
(1)	1.74	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00	1.00	1.24	.00	.00	.00	5.22
(2)	.19	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.11	.14	.00	.00	.00	.57
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	11
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.74	.00	.00	.00	.00	2.74
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.00	.00	.00	.30
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.49	.00	.00	.00	.00	1.49
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.00	.00	.00	.00	.16
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.00	.00	.00	.00	.25
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
ALL SPEEDS	52	22	1	0	0	0	6	1	7	0	2	128	51	53	48	31	0	402
(1)	12.94	5.47	.25	.00	.00	.00	1.49	.25	1.74	.00	.50	31.84	12.69	13.18	11.94	7.71	.00	100.00
(2)	1.41	.60	.03	.00	.00	.00	.16	.03	.19	.00	.05	3.47	1.38	1.44	1.30	.84	.00	10.90

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Table 2.3-45—{NMPNS 30 ft (9-m) 2001-2005 July JFD}

(Page 2 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.72

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	0	1	0	1	0	0	0	0	0	0	0	0	1	1	2	0	7
(1)	.57	.00	.57	.00	.57	.00	.00	.00	.00	.00	.00	.00	.00	.57	.57	1.15	.00	4.02
(2)	.03	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.05	.00	.19
1.6- 2.0	1	0	1	0	0	0	3	1	0	0	0	2	0	1	1	1	0	11
(1)	.57	.00	.57	.00	.00	.00	1.72	.57	.00	.00	.00	1.15	.00	.57	.57	.57	.00	6.32
(2)	.03	.00	.03	.00	.00	.00	.08	.03	.00	.00	.00	.05	.00	.03	.03	.03	.00	.30
2.1- 3.0	4	7	1	0	0	0	7	2	1	1	1	9	10	4	2	0	0	49
(1)	2.30	4.02	.57	.00	.00	.00	4.02	1.15	.57	.57	.57	5.17	5.75	2.30	1.15	.00	.00	28.16
(2)	.11	.19	.03	.00	.00	.00	.19	.05	.03	.03	.03	.24	.27	.11	.05	.00	.00	1.33
3.1- 4.0	2	1	0	0	0	2	4	5	5	1	1	11	20	1	2	0	0	55
(1)	1.15	.57	.00	.00	.00	1.15	2.30	2.87	2.87	.57	.57	6.32	11.49	.57	1.15	.00	.00	31.61
(2)	.05	.03	.00	.00	.00	.05	.11	.14	.14	.03	.03	.30	.54	.03	.05	.00	.00	1.49
4.1- 5.0	1	0	0	0	0	0	0	2	0	0	1	0	13	0	1	0	0	18
(1)	.57	.00	.00	.00	.00	.00	.00	1.15	.00	.00	.57	.00	7.47	.00	.57	.00	.00	10.34
(2)	.03	.00	.00	.00	.00	.00	.00	.05	.00	.00	.03	.00	.35	.00	.03	.00	.00	.49
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	9	4	1	0	0	14
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.17	2.30	.57	.00	.00	8.05
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.11	.03	.00	.00	.38
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	9	5	0	0	0	14
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.17	2.87	.00	.00	.00	8.05
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.14	.00	.00	.00	.38
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.72	.57	.00	.00	.00	2.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.03	.00	.00	.00	.11
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.15	.00	.00	.00	.00	1.15
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.05
ALL SPEEDS	9	8	3	0	1	2	14	10	6	2	3	22	66	17	8	3	0	174
(1)	5.17	4.60	1.72	.00	.57	1.15	8.05	5.75	3.45	1.15	1.72	12.64	37.93	9.77	4.60	1.72	.00	100.00
(2)	.24	.22	.08	.00	.03	.05	.38	.27	.16	.05	.08	.60	1.79	.46	.22	.08	.00	4.72

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Table 2.3-45—{NMPNS 30 ft (9-m) 2001-2005 July JFD}

(Page 3 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.58

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	2	0	6
(1)	.49	.00	.00	.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.97	.00	.97	.00	2.91
(2)	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.00	.16
1.6- 2.0	3	5	1	1	0	3	0	2	0	0	0	1	0	2	3	0	0	21
(1)	1.46	2.43	.49	.49	.00	1.46	.00	.97	.00	.00	.00	.49	.00	.97	1.46	.00	.00	10.19
(2)	.08	.14	.03	.03	.00	.08	.00	.05	.00	.00	.00	.03	.00	.05	.08	.00	.00	.57
2.1- 3.0	8	3	3	1	0	1	5	7	4	2	0	17	10	3	2	2	0	68
(1)	3.88	1.46	1.46	.49	.00	.49	2.43	3.40	1.94	.97	.00	8.25	4.85	1.46	.97	.97	.00	33.01
(2)	.22	.08	.08	.03	.00	.03	.14	.19	.11	.05	.00	.46	.27	.08	.05	.05	.00	1.84
3.1- 4.0	3	2	0	0	0	2	8	2	4	2	0	13	15	0	1	1	0	53
(1)	1.46	.97	.00	.00	.00	.97	3.88	.97	1.94	.97	.00	6.31	7.28	.00	.49	.49	.00	25.73
(2)	.08	.05	.00	.00	.00	.05	.22	.05	.11	.05	.00	.35	.41	.00	.03	.03	.00	1.44
4.1- 5.0	2	1	1	0	0	0	1	1	0	0	0	2	3	1	1	0	0	13
(1)	.97	.49	.49	.00	.00	.00	.49	.49	.00	.00	.00	.97	1.46	.49	.49	.00	.00	6.31
(2)	.05	.03	.03	.00	.00	.00	.03	.03	.00	.00	.00	.05	.08	.03	.03	.00	.00	.35
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	1	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.91	.49	.49	.00	.00	3.88
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.03	.03	.00	.00	.22
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	17	6	0	0	0	23
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.25	2.91	.00	.00	.00	11.17
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.46	.16	.00	.00	.00	.62
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	8	4	0	0	0	12
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.88	1.94	.00	.00	.00	5.83
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.11	.00	.00	.00	.33
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.97	.00	.00	.00	.97
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.05
ALL SPEEDS	17	11	5	3	0	6	14	12	8	4	0	33	59	21	8	5	0	206
(1)	8.25	5.34	2.43	1.46	.00	2.91	6.80	5.83	3.88	1.94	.00	16.02	28.64	10.19	3.88	2.43	.00	100.00
(2)	.46	.30	.14	.08	.00	.16	.38	.33	.22	.11	.00	.89	1.60	.57	.22	.14	.00	5.58

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Table 2.3-45—{NMPNS 30 ft (9-m) 2001-2005 July JFD}

(Page 4 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 31.50

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	2	5	2	4	2	2	0	1	1	2	0	1	2	2	2	0	31
(1)	.26	.17	.43	.17	.34	.17	.17	.00	.09	.09	.17	.00	.09	.17	.17	.17	.00	2.67
(2)	.08	.05	.14	.05	.11	.05	.05	.00	.03	.03	.05	.00	.03	.05	.05	.05	.00	.84
1.1- 1.5	6	5	8	3	7	3	4	5	3	4	5	3	4	7	6	10	0	83
(1)	.52	.43	.69	.26	.60	.26	.34	.43	.26	.34	.43	.26	.34	.60	.52	.86	.00	7.14
(2)	.16	.14	.22	.08	.19	.08	.11	.14	.08	.11	.14	.08	.11	.19	.16	.27	.00	2.25
1.6- 2.0	5	10	23	2	7	10	6	15	8	5	6	14	9	7	8	7	0	142
(1)	.43	.86	1.98	.17	.60	.86	.52	1.29	.69	.43	.52	1.20	.77	.60	.69	.60	.00	12.22
(2)	.14	.27	.62	.05	.19	.27	.16	.41	.22	.14	.16	.38	.24	.19	.22	.19	.00	3.85
2.1- 3.0	25	27	13	1	8	28	29	16	40	19	18	71	30	7	12	5	0	349
(1)	2.15	2.32	1.12	.09	.69	2.41	2.50	1.38	3.44	1.64	1.55	6.11	2.58	.60	1.03	.43	.00	30.03
(2)	.68	.73	.35	.03	.22	.76	.79	.43	1.08	.52	.49	1.92	.81	.19	.33	.14	.00	9.46
3.1- 4.0	9	27	4	0	1	17	24	17	35	14	23	59	31	17	10	1	0	289
(1)	.77	2.32	.34	.00	.09	1.46	2.07	1.46	3.01	1.20	1.98	5.08	2.67	1.46	.86	.09	.00	24.87
(2)	.24	.73	.11	.00	.03	.46	.65	.46	.95	.38	.62	1.60	.84	.46	.27	.03	.00	7.83
4.1- 5.0	4	19	0	0	0	0	7	6	5	5	9	24	24	9	4	3	0	119
(1)	.34	1.64	.00	.00	.00	.00	.60	.52	.43	.43	.77	2.07	2.07	.77	.34	.26	.00	10.24
(2)	.11	.52	.00	.00	.00	.00	.19	.16	.14	.14	.24	.65	.65	.24	.11	.08	.00	3.23
5.1- 6.0	0	2	0	0	0	0	0	0	0	0	1	6	28	7	1	0	0	45
(1)	.00	.17	.00	.00	.00	.00	.00	.00	.00	.00	.09	.52	2.41	.60	.09	.00	.00	3.87
(2)	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.03	.16	.76	.19	.03	.00	.00	1.22
6.1- 8.0	1	0	0	0	0	0	0	0	0	0	0	1	52	11	0	0	0	65
(1)	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	4.48	.95	.00	.00	.00	5.59
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	1.41	.30	.00	.00	.00	1.76
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	30	6	1	0	0	37
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.58	.52	.09	.00	.00	3.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.81	.16	.03	.00	.00	1.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.00	.00	.00	.00	.17
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.05
ALL SPEEDS	53	92	53	8	27	60	72	59	92	48	64	178	211	73	44	28	0	1162
(1)	4.56	7.92	4.56	.69	2.32	5.16	6.20	5.08	7.92	4.13	5.51	15.32	18.16	6.28	3.79	2.41	.00	100.00
(2)	1.44	2.49	1.44	.22	.73	1.63	1.95	1.60	2.49	1.30	1.73	4.83	5.72	1.98	1.19	.76	.00	31.50

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Table 2.3-45—{NMPNS 30 ft (9-m) 2001-2005 July JFD}

(Page 5 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 29.57

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	3	8	8	4	3	5	6	4	2	0	2	1	3	1	0	51
(1)	.09	.00	.27	.73	.73	.37	.27	.46	.55	.37	.18	.00	.18	.09	.27	.09	.00	4.67
(2)	.03	.00	.08	.22	.22	.11	.08	.14	.16	.11	.05	.00	.05	.03	.08	.03	.00	1.38
1.1- 1.5	5	7	7	7	23	11	14	9	9	10	13	5	6	4	6	8	0	144
(1)	.46	.64	.64	.64	2.11	1.01	1.28	.82	.82	.92	1.19	.46	.55	.37	.55	.73	.00	13.20
(2)	.14	.19	.19	.19	.62	.30	.38	.24	.24	.27	.35	.14	.16	.11	.16	.22	.00	3.90
1.6- 2.0	6	8	2	6	8	21	15	13	12	12	13	8	4	3	3	2	0	136
(1)	.55	.73	.18	.55	.73	1.92	1.37	1.19	1.10	1.10	1.19	.73	.37	.27	.27	.18	.00	12.47
(2)	.16	.22	.05	.16	.22	.57	.41	.35	.33	.33	.35	.22	.11	.08	.08	.05	.00	3.69
2.1- 3.0	10	4	13	9	4	33	48	52	58	39	61	60	21	6	4	0	0	422
(1)	.92	.37	1.19	.82	.37	3.02	4.40	4.77	5.32	3.57	5.59	5.50	1.92	.55	.37	.00	.00	38.68
(2)	.27	.11	.35	.24	.11	.89	1.30	1.41	1.57	1.06	1.65	1.63	.57	.16	.11	.00	.00	11.44
3.1- 4.0	2	2	5	1	0	2	17	29	75	21	34	49	10	2	2	0	0	251
(1)	.18	.18	.46	.09	.00	.18	1.56	2.66	6.87	1.92	3.12	4.49	.92	.18	.18	.00	.00	23.01
(2)	.05	.05	.14	.03	.00	.05	.46	.79	2.03	.57	.92	1.33	.27	.05	.05	.00	.00	6.80
4.1- 5.0	0	0	1	0	0	0	2	2	12	3	7	17	6	3	2	0	0	55
(1)	.00	.00	.09	.00	.00	.00	.18	.18	1.10	.27	.64	1.56	.55	.27	.18	.00	.00	5.04
(2)	.00	.00	.03	.00	.00	.00	.05	.05	.33	.08	.19	.46	.16	.08	.05	.00	.00	1.49
5.1- 6.0	0	0	0	0	0	0	3	0	0	0	0	6	8	1	0	0	0	18
(1)	.00	.00	.00	.00	.00	.00	.27	.00	.00	.00	.00	.55	.73	.09	.00	.00	.00	1.65
(2)	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00	.16	.22	.03	.00	.00	.00	.49
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	8	1	0	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.73	.09	.00	.00	.00	.82
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.03	.00	.00	.00	.24
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.46	.00	.00	.00	.00	.46
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.00	.00	.00	.14
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	24	21	31	31	43	71	102	110	172	89	130	145	70	21	20	11	0	1091
(1)	2.20	1.92	2.84	2.84	3.94	6.51	9.35	10.08	15.77	8.16	11.92	13.29	6.42	1.92	1.83	1.01	.00	100.00
(2)	.65	.57	.84	.84	1.17	1.92	2.76	2.98	4.66	2.41	3.52	3.93	1.90	.57	.54	.30	.00	29.57

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Table 2.3-45—{NMPNS 30 ft (9-m) 2001-2005 July JFD}

(Page 6 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 9.24

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	5	4	7	3	9	2	2	0	1	0	0	0	0	0	33
(1)	.00	.00	.00	1.47	1.17	2.05	.88	2.64	.59	.59	.00	.29	.00	.00	.00	.00	.00	9.68
(2)	.00	.00	.00	.14	.11	.19	.08	.24	.05	.05	.00	.03	.00	.00	.00	.00	.00	.89
1.1- 1.5	0	1	1	1	6	15	3	10	13	3	1	3	2	0	0	0	0	59
(1)	.00	.29	.29	.29	1.76	4.40	.88	2.93	3.81	.88	.29	.88	.59	.00	.00	.00	.00	17.30
(2)	.00	.03	.03	.03	.16	.41	.08	.27	.35	.08	.03	.08	.05	.00	.00	.00	.00	1.60
1.6- 2.0	1	0	1	0	4	23	7	8	14	7	2	1	0	0	0	0	0	68
(1)	.29	.00	.29	.00	1.17	6.74	2.05	2.35	4.11	2.05	.59	.29	.00	.00	.00	.00	.00	19.94
(2)	.03	.00	.03	.00	.11	.62	.19	.22	.38	.19	.05	.03	.00	.00	.00	.00	.00	1.84
2.1- 3.0	0	0	0	0	1	2	20	24	46	22	2	9	6	1	0	0	0	133
(1)	.00	.00	.00	.00	.29	.59	5.87	7.04	13.49	6.45	.59	2.64	1.76	.29	.00	.00	.00	39.00
(2)	.00	.00	.00	.00	.03	.05	.54	.65	1.25	.60	.05	.24	.16	.03	.00	.00	.00	3.61
3.1- 4.0	0	0	0	0	0	0	0	3	32	2	0	5	2	0	0	0	0	44
(1)	.00	.00	.00	.00	.00	.00	.00	.88	9.38	.59	.00	1.47	.59	.00	.00	.00	.00	12.90
(2)	.00	.00	.00	.00	.00	.00	.00	.08	.87	.05	.00	.14	.05	.00	.00	.00	.00	1.19
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.00	.00	.00	.00	.00	.29
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.00	.00	.00	.00	.29
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.29	.00	.00	.00	.59
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.05
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1	1	2	6	15	47	33	54	107	36	5	20	12	2	0	0	0	341
(1)	.29	.29	.59	1.76	4.40	13.78	9.68	15.84	31.38	10.56	1.47	5.87	3.52	.59	.00	.00	.00	100.00
(2)	.03	.03	.05	.16	.41	1.27	.89	1.46	2.90	.98	.14	.54	.33	.05	.00	.00	.00	9.24

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Table 2.3-45—{NMPNS 30 ft (9-m) 2001-2005 July JFD}

(Page 7 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 8.48

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	2	3	8	4	1	0	0	0	0	0	0	0	0	18
(1)	.00	.00	.00	.00	.64	.96	2.56	1.28	.32	.00	.00	.00	.00	.00	.00	.00	.00	5.75
(2)	.00	.00	.00	.00	.05	.08	.22	.11	.03	.00	.00	.00	.00	.00	.00	.00	.00	.49
1.1- 1.5	0	0	0	0	4	16	31	20	9	0	0	0	0	0	0	0	0	80
(1)	.00	.00	.00	.00	1.28	5.11	9.90	6.39	2.88	.00	.00	.00	.00	.00	.00	.00	.00	25.56
(2)	.00	.00	.00	.00	.11	.43	.84	.54	.24	.00	.00	.00	.00	.00	.00	.00	.00	2.17
1.6- 2.0	0	0	0	0	0	12	24	21	13	0	0	0	0	0	0	0	0	70
(1)	.00	.00	.00	.00	.00	3.83	7.67	6.71	4.15	.00	.00	.00	.00	.00	.00	.00	.00	22.36
(2)	.00	.00	.00	.00	.00	.33	.65	.57	.35	.00	.00	.00	.00	.00	.00	.00	.00	1.90
2.1- 3.0	0	0	0	0	0	3	23	62	47	5	0	0	0	0	0	0	0	140
(1)	.00	.00	.00	.00	.00	.96	7.35	19.81	15.02	1.60	.00	.00	.00	.00	.00	.00	.00	44.73
(2)	.00	.00	.00	.00	.00	.08	.62	1.68	1.27	.14	.00	.00	.00	.00	.00	.00	.00	3.80
3.1- 4.0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	1.60	.00	.00	.00	.00	.00	.00	.00	.00	1.60
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00	.00	.00	.14
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	0	6	34	86	107	75	5	0	0	0	0	0	0	0	313
(1)	.00	.00	.00	.00	1.92	10.86	27.48	34.19	23.96	1.60	.00	.00	.00	.00	.00	.00	.00	100.00
(2)	.00	.00	.00	.00	.16	.92	2.33	2.90	2.03	.14	.00	.00	.00	.00	.00	.00	.00	8.48

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Table 2.3-45—{NMPNS 30 ft (9-m) 2001-2005 July JFD}

(Page 8 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	4	2	8	15	18	16	16	18	10	7	4	1	3	3	5	3	0	133
(1)	.11	.05	.22	.41	.49	.43	.43	.49	.27	.19	.11	.03	.08	.08	.14	.08	.00	3.61
(2)	.11	.05	.22	.41	.49	.43	.43	.49	.27	.19	.11	.03	.08	.08	.14	.08	.00	3.61
1.1- 1.5	13	13	17	12	41	45	52	44	34	17	19	11	12	16	19	29	0	394
(1)	.35	.35	.46	.33	1.11	1.22	1.41	1.19	.92	.46	.52	.30	.33	.43	.52	.79	.00	10.68
(2)	.35	.35	.46	.33	1.11	1.22	1.41	1.19	.92	.46	.52	.30	.33	.43	.52	.79	.00	10.68
1.6- 2.0	21	25	29	9	19	69	55	60	48	24	21	27	13	23	33	18	0	494
(1)	.57	.68	.79	.24	.52	1.87	1.49	1.63	1.30	.65	.57	.73	.35	.62	.89	.49	.00	13.39
(2)	.57	.68	.79	.24	.52	1.87	1.49	1.63	1.30	.65	.57	.73	.35	.62	.89	.49	.00	13.39
2.1- 3.0	59	48	30	11	13	67	134	163	198	88	82	223	85	38	37	22	0	1298
(1)	1.60	1.30	.81	.30	.35	1.82	3.63	4.42	5.37	2.39	2.22	6.04	2.30	1.03	1.00	.60	.00	35.19
(2)	1.60	1.30	.81	.30	.35	1.82	3.63	4.42	5.37	2.39	2.22	6.04	2.30	1.03	1.00	.60	.00	35.19
3.1- 4.0	29	40	9	1	1	23	57	57	160	40	59	188	88	28	17	3	0	800
(1)	.79	1.08	.24	.03	.03	.62	1.55	1.55	4.34	1.08	1.60	5.10	2.39	.76	.46	.08	.00	21.69
(2)	.79	1.08	.24	.03	.03	.62	1.55	1.55	4.34	1.08	1.60	5.10	2.39	.76	.46	.08	.00	21.69
4.1- 5.0	22	24	2	0	0	0	10	11	17	8	18	59	57	24	13	3	0	268
(1)	.60	.65	.05	.00	.00	.00	.27	.30	.46	.22	.49	1.60	1.55	.65	.35	.08	.00	7.26
(2)	.60	.65	.05	.00	.00	.00	.27	.30	.46	.22	.49	1.60	1.55	.65	.35	.08	.00	7.26
5.1- 6.0	7	3	0	0	0	0	3	0	0	0	1	16	56	18	3	0	0	107
(1)	.19	.08	.00	.00	.00	.00	.08	.00	.00	.00	.03	.43	1.52	.49	.08	.00	.00	2.90
(2)	.19	.08	.00	.00	.00	.00	.08	.00	.00	.00	.03	.43	1.52	.49	.08	.00	.00	2.90
6.1- 8.0	1	0	0	0	0	0	0	0	0	0	0	1	98	24	0	0	0	124
(1)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	2.66	.65	.00	.00	.00	3.36
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	2.66	.65	.00	.00	.00	3.36
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	52	11	1	0	0	64
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.41	.30	.03	.00	.00	1.73
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.41	.30	.03	.00	.00	1.73
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.05	.00	.00	.00	.19
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.05	.00	.00	.00	.19
ALL SPEEDS	156	155	95	48	92	220	327	353	467	184	204	526	469	187	128	78	0	3689
(1)	4.23	4.20	2.58	1.30	2.49	5.96	8.86	9.57	12.66	4.99	5.53	14.26	12.71	5.07	3.47	2.11	.00	100.00
(2)	4.23	4.20	2.58	1.30	2.49	5.96	8.86	9.57	12.66	4.99	5.53	14.26	12.71	5.07	3.47	2.11	.00	100.00

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Table 2.3-46—{NMPNS 30 ft (9-m) 2001-2005 August JFD}

(Page 1 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 12.04

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	0	9
(1)	.22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.34	.45	.00	2.01
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.05	.00	.24
1.6- 2.0	4	4	2	0	0	0	3	1	0	0	0	1	2	5	19	32	0	73
(1)	.89	.89	.45	.00	.00	.00	.67	.22	.00	.00	.00	.22	.45	1.12	4.24	7.14	.00	16.29
(2)	.11	.11	.05	.00	.00	.00	.08	.03	.00	.00	.00	.03	.05	.13	.51	.86	.00	1.96
2.1- 3.0	28	10	5	1	1	0	1	0	2	0	3	26	4	42	40	35	0	198
(1)	6.25	2.23	1.12	.22	.22	.00	.22	.00	.45	.00	.67	5.80	.89	9.38	8.93	7.81	.00	44.20
(2)	.75	.27	.13	.03	.03	.00	.03	.00	.05	.00	.08	.70	.11	1.13	1.08	.94	.00	5.32
3.1- 4.0	9	8	2	0	0	1	0	0	3	4	0	12	22	32	8	3	0	104
(1)	2.01	1.79	.45	.00	.00	.22	.00	.00	.67	.89	.00	2.68	4.91	7.14	1.79	.67	.00	23.21
(2)	.24	.22	.05	.00	.00	.03	.00	.00	.08	.11	.00	.32	.59	.86	.22	.08	.00	2.80
4.1- 5.0	6	3	0	0	0	0	0	1	3	0	0	2	18	8	0	0	0	41
(1)	1.34	.67	.00	.00	.00	.00	.00	.22	.67	.00	.00	.45	4.02	1.79	.00	.00	.00	9.15
(2)	.16	.08	.00	.00	.00	.00	.00	.03	.08	.00	.00	.05	.48	.22	.00	.00	.00	1.10
5.1- 6.0	5	1	0	0	0	0	0	0	0	0	0	1	4	7	0	0	0	18
(1)	1.12	.22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.89	1.56	.00	.00	.00	4.02
(2)	.13	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.11	.19	.00	.00	.00	.48
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.45	.67	.00	.00	.00	1.12
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.08	.00	.00	.00	.13
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	53	26	9	1	1	1	4	2	8	4	3	42	52	97	73	72	0	448
(1)	11.83	5.80	2.01	.22	.22	.22	.89	.45	1.79	.89	.67	9.37	11.61	21.65	16.29	16.07	.00	100.00
(2)	1.42	.70	.24	.03	.03	.03	.11	.05	.22	.11	.08	1.13	1.40	2.61	1.96	1.94	.00	12.04

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Table 2.3-46—{NMPNS 30 ft (9-m) 2001-2005 August JFD}

(Page 2 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.84

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	5
(1)	.00	.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.56	.00	.56	1.11	.00	2.78
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.05	.00	.13
1.6- 2.0	2	0	3	2	0	0	1	1	1	2	1	2	1	1	4	1	0	22
(1)	1.11	.00	1.67	1.11	.00	.00	.56	.56	.56	1.11	.56	1.11	.56	.56	2.22	.56	.00	12.22
(2)	.05	.00	.08	.05	.00	.00	.03	.03	.03	.05	.03	.05	.03	.03	.11	.03	.00	.59
2.1- 3.0	8	2	2	0	1	1	2	6	2	2	1	11	8	6	6	1	0	59
(1)	4.44	1.11	1.11	.00	.56	.56	1.11	3.33	1.11	1.11	.56	6.11	4.44	3.33	3.33	.56	.00	32.78
(2)	.22	.05	.05	.00	.03	.03	.05	.16	.05	.05	.03	.30	.22	.16	.16	.03	.00	1.59
3.1- 4.0	3	0	2	0	0	1	0	0	3	5	1	7	18	4	0	0	0	44
(1)	1.67	.00	1.11	.00	.00	.56	.00	.00	1.67	2.78	.56	3.89	10.00	2.22	.00	.00	.00	24.44
(2)	.08	.00	.05	.00	.00	.03	.00	.00	.08	.13	.03	.19	.48	.11	.00	.00	.00	1.18
4.1- 5.0	3	1	0	0	0	0	1	8	1	0	0	2	8	2	0	0	0	26
(1)	1.67	.56	.00	.00	.00	.00	.56	4.44	.56	.00	.00	1.11	4.44	1.11	.00	.00	.00	14.44
(2)	.08	.03	.00	.00	.00	.00	.03	.22	.03	.00	.00	.05	.22	.05	.00	.00	.00	.70
5.1- 6.0	1	0	0	0	0	0	0	1	0	0	0	2	1	2	0	0	0	7
(1)	.56	.00	.00	.00	.00	.00	.00	.56	.00	.00	.00	1.11	.56	1.11	.00	.00	.00	3.89
(2)	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.05	.03	.05	.00	.00	.00	.19
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	9	2	0	1	0	12
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.00	1.11	.00	.56	.00	6.67
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.05	.00	.03	.00	.32
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.22	.00	.00	.00	.00	2.22
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.11
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.56	.00	.00	.00	.00	.56
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
ALL SPEEDS	17	4	7	2	1	2	4	16	7	9	3	24	51	17	11	5	0	180
(1)	9.44	2.22	3.89	1.11	.56	1.11	2.22	8.89	3.89	5.00	1.67	13.33	28.33	9.44	6.11	2.78	.00	100.00
(2)	.46	.11	.19	.05	.03	.05	.11	.43	.19	.24	.08	.65	1.37	.46	.30	.13	.00	4.84

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Table 2.3-46—{NMPNS 30 ft (9-m) 2001-2005 August JFD}

(Page 3 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.89

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.46	.00	.00	.00	.46
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
1.1- 1.5	3	0	0	0	0	2	1	0	0	0	0	0	2	2	3	0	0	13
(1)	1.37	.00	.00	.00	.00	.91	.46	.00	.00	.00	.00	.00	.91	.91	1.37	.00	.00	5.94
(2)	.08	.00	.00	.00	.00	.05	.03	.00	.00	.00	.00	.00	.05	.05	.08	.00	.00	.35
1.6- 2.0	2	2	4	1	3	2	0	1	0	1	0	2	4	4	0	1	0	27
(1)	.91	.91	1.83	.46	1.37	.91	.00	.46	.00	.46	.00	.91	1.83	1.83	.00	.46	.00	12.33
(2)	.05	.05	.11	.03	.08	.05	.00	.03	.00	.03	.00	.05	.11	.11	.00	.03	.00	.73
2.1- 3.0	4	5	3	0	1	0	2	1	5	6	4	6	8	5	6	1	0	57
(1)	1.83	2.28	1.37	.00	.46	.00	.91	.46	2.28	2.74	1.83	2.74	3.65	2.28	2.74	.46	.00	26.03
(2)	.11	.13	.08	.00	.03	.00	.05	.03	.13	.16	.11	.16	.22	.13	.16	.03	.00	1.53
3.1- 4.0	4	2	1	0	0	0	2	1	4	6	2	9	17	4	3	0	0	55
(1)	1.83	.91	.46	.00	.00	.00	.91	.46	1.83	2.74	.91	4.11	7.76	1.83	1.37	.00	.00	25.11
(2)	.11	.05	.03	.00	.00	.00	.05	.03	.11	.16	.05	.24	.46	.11	.08	.00	.00	1.48
4.1- 5.0	0	0	0	0	0	1	0	1	1	3	0	1	12	3	0	0	0	22
(1)	.00	.00	.00	.00	.00	.46	.00	.46	.46	1.37	.00	.46	5.48	1.37	.00	.00	.00	10.05
(2)	.00	.00	.00	.00	.00	.03	.00	.03	.03	.08	.00	.03	.32	.08	.00	.00	.00	.59
5.1- 6.0	2	2	0	0	0	0	0	0	0	0	0	1	3	1	0	0	0	9
(1)	.91	.91	.00	.00	.00	.00	.00	.00	.00	.00	.00	.46	1.37	.46	.00	.00	.00	4.11
(2)	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.03	.00	.00	.00	.24
6.1- 8.0	3	0	0	0	0	0	0	0	0	0	0	0	7	8	0	0	0	18
(1)	1.37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.20	3.65	.00	.00	.00	8.22
(2)	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.19	.22	.00	.00	.00	.48
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	13	2	0	0	0	15
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.94	.91	.00	.00	.00	6.85
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.35	.05	.00	.00	.00	.40
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.91	.00	.00	.00	.00	.91
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.05
ALL SPEEDS	18	11	8	1	4	5	5	4	10	16	6	19	68	30	12	2	0	219
(1)	8.22	5.02	3.65	.46	1.83	2.28	2.28	1.83	4.57	7.31	2.74	8.68	31.05	13.70	5.48	.91	.00	100.00
(2)	.48	.30	.22	.03	.11	.13	.13	.11	.27	.43	.16	.51	1.83	.81	.32	.05	.00	5.89

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Table 2.3-46—{NMPNS 30 ft (9-m) 2001-2005 August JFD}

(Page 4 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 31.69

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	0	5	2	2	3	4	1	1	1	3	0	2	5	3	2	0	37
(1)	.25	.00	.42	.17	.17	.25	.34	.08	.08	.08	.25	.00	.17	.42	.25	.17	.00	3.14
(2)	.08	.00	.13	.05	.05	.08	.11	.03	.03	.03	.08	.00	.05	.13	.08	.05	.00	.99
1.1- 1.5	6	5	12	9	6	7	1	3	4	6	1	6	12	6	4	3	0	91
(1)	.51	.42	1.02	.76	.51	.59	.08	.25	.34	.51	.08	.51	1.02	.51	.34	.25	.00	7.72
(2)	.16	.13	.32	.24	.16	.19	.03	.08	.11	.16	.03	.16	.32	.16	.11	.08	.00	2.45
1.6- 2.0	10	13	14	9	4	6	7	11	6	7	3	9	12	14	7	7	0	139
(1)	.85	1.10	1.19	.76	.34	.51	.59	.93	.51	.59	.25	.76	1.02	1.19	.59	.59	.00	11.79
(2)	.27	.35	.38	.24	.11	.16	.19	.30	.16	.19	.08	.24	.32	.38	.19	.19	.00	3.74
2.1- 3.0	20	20	35	4	6	11	17	33	20	7	15	51	27	24	15	12	0	317
(1)	1.70	1.70	2.97	.34	.51	.93	1.44	2.80	1.70	.59	1.27	4.33	2.29	2.04	1.27	1.02	.00	26.89
(2)	.54	.54	.94	.11	.16	.30	.46	.89	.54	.19	.40	1.37	.73	.65	.40	.32	.00	8.52
3.1- 4.0	14	18	29	2	0	7	12	16	32	17	14	27	31	13	15	3	0	250
(1)	1.19	1.53	2.46	.17	.00	.59	1.02	1.36	2.71	1.44	1.19	2.29	2.63	1.10	1.27	.25	.00	21.20
(2)	.38	.48	.78	.05	.00	.19	.32	.43	.86	.46	.38	.73	.83	.35	.40	.08	.00	6.72
4.1- 5.0	16	6	11	1	0	2	6	7	18	3	2	8	30	25	9	2	0	146
(1)	1.36	.51	.93	.08	.00	.17	.51	.59	1.53	.25	.17	.68	2.54	2.12	.76	.17	.00	12.38
(2)	.43	.16	.30	.03	.00	.05	.16	.19	.48	.08	.05	.22	.81	.67	.24	.05	.00	3.92
5.1- 6.0	10	3	0	0	0	0	0	1	4	0	0	3	32	14	3	0	0	70
(1)	.85	.25	.00	.00	.00	.00	.00	.08	.34	.00	.00	.25	2.71	1.19	.25	.00	.00	5.94
(2)	.27	.08	.00	.00	.00	.00	.00	.03	.11	.00	.00	.08	.86	.38	.08	.00	.00	1.88
6.1- 8.0	1	1	0	0	0	0	0	0	0	0	0	0	53	21	0	0	0	76
(1)	.08	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.50	1.78	.00	.00	.00	6.45
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.42	.56	.00	.00	.00	2.04
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	35	11	0	0	0	46
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.97	.93	.00	.00	.00	3.90
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.94	.30	.00	.00	.00	1.24
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.51	.08	.00	.00	.00	.59
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.03	.00	.00	.00	.19
ALL SPEEDS	80	66	106	27	18	36	47	72	85	41	38	104	240	134	56	29	0	1179
(1)	6.79	5.60	8.99	2.29	1.53	3.05	3.99	6.11	7.21	3.48	3.22	8.82	20.36	11.37	4.75	2.46	.00	100.00
(2)	2.15	1.77	2.85	.73	.48	.97	1.26	1.94	2.28	1.10	1.02	2.80	6.45	3.60	1.51	.78	.00	31.69

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Table 2.3-46—{NMPNS 30 ft (9-m) 2001-2005 August JFD}

(Page 5 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 24.09

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	2	4	11	9	10	7	5	3	5	2	5	1	1	2	1	0	68
(1)	.00	.22	.45	1.23	1.00	1.12	.78	.56	.33	.56	.22	.56	.11	.11	.22	.11	.00	7.59
(2)	.00	.05	.11	.30	.24	.27	.19	.13	.08	.13	.05	.13	.03	.03	.05	.03	.00	1.83
1.1- 1.5	1	2	9	10	18	17	15	4	13	5	8	5	6	3	4	2	0	122
(1)	.11	.22	1.00	1.12	2.01	1.90	1.67	.45	1.45	.56	.89	.56	.67	.33	.45	.22	.00	13.62
(2)	.03	.05	.24	.27	.48	.46	.40	.11	.35	.13	.22	.13	.16	.08	.11	.05	.00	3.28
1.6- 2.0	1	7	5	10	13	15	19	16	8	11	17	6	8	5	3	2	0	146
(1)	.11	.78	.56	1.12	1.45	1.67	2.12	1.79	.89	1.23	1.90	.67	.89	.56	.33	.22	.00	16.29
(2)	.03	.19	.13	.27	.35	.40	.51	.43	.22	.30	.46	.16	.22	.13	.08	.05	.00	3.92
2.1- 3.0	11	6	16	3	6	19	36	50	49	24	20	26	14	3	2	0	0	285
(1)	1.23	.67	1.79	.33	.67	2.12	4.02	5.58	5.47	2.68	2.23	2.90	1.56	.33	.22	.00	.00	31.81
(2)	.30	.16	.43	.08	.16	.51	.97	1.34	1.32	.65	.54	.70	.38	.08	.05	.00	.00	7.66
3.1- 4.0	0	2	3	0	0	11	28	37	79	14	16	22	12	2	1	0	0	227
(1)	.00	.22	.33	.00	.00	1.23	3.13	4.13	8.82	1.56	1.79	2.46	1.34	.22	.11	.00	.00	25.33
(2)	.00	.05	.08	.00	.00	.30	.75	.99	2.12	.38	.43	.59	.32	.05	.03	.00	.00	6.10
4.1- 5.0	0	1	0	0	0	0	3	2	12	3	6	3	2	3	0	0	0	35
(1)	.00	.11	.00	.00	.00	.00	.33	.22	1.34	.33	.67	.33	.22	.33	.00	.00	.00	3.91
(2)	.00	.03	.00	.00	.00	.00	.08	.05	.32	.08	.16	.08	.05	.08	.00	.00	.00	.94
5.1- 6.0	0	0	0	0	0	0	0	0	0	1	0	0	1	3	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.11	.33	.00	.00	.00	.56
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.08	.00	.00	.00	.13
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.33	.00	.00	.00	.00	.56
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.08	.00	.00	.00	.00	.13
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.11	.00	.00	.00	.00	.22
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.05
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.11
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
ALL SPEEDS	13	20	37	34	46	72	108	114	164	63	69	70	49	20	12	5	0	896
(1)	1.45	2.23	4.13	3.79	5.13	8.04	12.05	12.72	18.30	7.03	7.70	7.81	5.47	2.23	1.34	.56	.00	100.00
(2)	.35	.54	.99	.91	1.24	1.94	2.90	3.06	4.41	1.69	1.85	1.88	1.32	.54	.32	.13	.00	24.09

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Table 2.3-46—{NMPNS 30 ft (9-m) 2001-2005 August JFD}

(Page 6 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 9.57

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	1	1	3	7	16	20	5	1	0	0	0	0	0	0	0	54
(1)	.00	.00	.28	.28	.84	1.97	4.49	5.62	1.40	.28	.00	.00	.00	.00	.00	.00	.00	15.17
(2)	.00	.00	.03	.03	.08	.19	.43	.54	.13	.03	.00	.00	.00	.00	.00	.00	.00	1.45
1.1- 1.5	0	0	0	2	8	18	15	14	7	7	1	0	0	0	0	0	0	72
(1)	.00	.00	.00	.56	2.25	5.06	4.21	3.93	1.97	1.97	.28	.00	.00	.00	.00	.00	.00	20.22
(2)	.00	.00	.00	.05	.22	.48	.40	.38	.19	.19	.03	.00	.00	.00	.00	.00	.00	1.94
1.6- 2.0	0	0	1	0	11	14	9	24	13	6	4	2	2	0	0	0	0	86
(1)	.00	.00	.28	.00	3.09	3.93	2.53	6.74	3.65	1.69	1.12	.56	.56	.00	.00	.00	.00	24.16
(2)	.00	.00	.03	.00	.30	.38	.24	.65	.35	.16	.11	.05	.05	.00	.00	.00	.00	2.31
2.1- 3.0	0	0	0	0	1	3	16	27	37	21	3	4	3	0	0	0	0	115
(1)	.00	.00	.00	.00	.28	.84	4.49	7.58	10.39	5.90	.84	1.12	.84	.00	.00	.00	.00	32.30
(2)	.00	.00	.00	.00	.03	.08	.43	.73	.99	.56	.08	.11	.08	.00	.00	.00	.00	3.09
3.1- 4.0	0	0	0	0	0	1	1	5	14	2	1	3	2	0	0	0	0	29
(1)	.00	.00	.00	.00	.00	.28	.28	1.40	3.93	.56	.28	.84	.56	.00	.00	.00	.00	8.15
(2)	.00	.00	.00	.00	.00	.03	.03	.13	.38	.05	.03	.08	.05	.00	.00	.00	.00	.78
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	2	3	23	43	57	90	76	37	9	9	7	0	0	0	0	356
(1)	.00	.00	.56	.84	6.46	12.08	16.01	25.28	21.35	10.39	2.53	2.53	1.97	.00	.00	.00	.00	100.00
(2)	.00	.00	.05	.08	.62	1.16	1.53	2.42	2.04	.99	.24	.24	.19	.00	.00	.00	.00	9.57

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Table 2.3-46—{NMPNS 30 ft (9-m) 2001-2005 August JFD}

(Page 7 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 11.88

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	1	3	12	13	6	0	1	0	0	0	0	0	0	36
(1)	.00	.00	.00	.00	.23	.68	2.71	2.94	1.36	.00	.23	.00	.00	.00	.00	.00	.00	8.14
(2)	.00	.00	.00	.00	.03	.08	.32	.35	.16	.00	.03	.00	.00	.00	.00	.00	.00	.97
1.1- 1.5	0	0	0	1	0	17	58	31	7	2	0	0	0	0	0	0	0	116
(1)	.00	.00	.00	.23	.00	3.85	13.12	7.01	1.58	.45	.00	.00	.00	.00	.00	.00	.00	26.24
(2)	.00	.00	.00	.03	.00	.46	1.56	.83	.19	.05	.00	.00	.00	.00	.00	.00	.00	3.12
1.6- 2.0	0	0	0	0	0	13	35	38	9	2	1	0	1	0	0	0	0	99
(1)	.00	.00	.00	.00	.00	2.94	7.92	8.60	2.04	.45	.23	.00	.23	.00	.00	.00	.00	22.40
(2)	.00	.00	.00	.00	.00	.35	.94	1.02	.24	.05	.03	.00	.03	.00	.00	.00	.00	2.66
2.1- 3.0	0	0	0	0	0	0	26	94	58	6	0	0	0	0	0	0	0	184
(1)	.00	.00	.00	.00	.00	.00	5.88	21.27	13.12	1.36	.00	.00	.00	.00	.00	.00	.00	41.63
(2)	.00	.00	.00	.00	.00	.00	.70	2.53	1.56	.16	.00	.00	.00	.00	.00	.00	.00	4.95
3.1- 4.0	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.23	1.36	.00	.00	.00	.00	.00	.00	.00	.00	1.58
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.16	.00	.00	.00	.00	.00	.00	.00	.00	.19
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	1	1	33	131	177	86	10	2	0	1	0	0	0	0	442
(1)	.00	.00	.00	.23	.23	7.47	29.64	40.05	19.46	2.26	.45	.00	.23	.00	.00	.00	.00	100.00
(2)	.00	.00	.00	.03	.03	.89	3.52	4.76	2.31	.27	.05	.00	.03	.00	.00	.00	.00	11.88

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Table 2.3-46—{NMPNS 30 ft (9-m) 2001-2005 August JFD}

(Page 8 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	2	10	14	15	23	39	39	15	7	6	5	3	7	5	3	0	196
(1)	.08	.05	.27	.38	.40	.62	1.05	1.05	.40	.19	.16	.13	.08	.19	.13	.08	.00	5.27
(2)	.08	.05	.27	.38	.40	.62	1.05	1.05	.40	.19	.16	.13	.08	.19	.13	.08	.00	5.27
1.1- 1.5	11	8	21	22	32	61	90	52	31	20	10	11	21	11	18	9	0	428
(1)	.30	.22	.56	.59	.86	1.64	2.42	1.40	.83	.54	.27	.30	.56	.30	.48	.24	.00	11.51
(2)	.30	.22	.56	.59	.86	1.64	2.42	1.40	.83	.54	.27	.30	.56	.30	.48	.24	.00	11.51
1.6- 2.0	19	26	29	22	31	50	74	92	37	29	26	22	30	29	33	43	0	592
(1)	.51	.70	.78	.59	.83	1.34	1.99	2.47	.99	.78	.70	.59	.81	.78	.89	1.16	.00	15.91
(2)	.51	.70	.78	.59	.83	1.34	1.99	2.47	.99	.78	.70	.59	.81	.78	.89	1.16	.00	15.91
2.1- 3.0	71	43	61	8	16	34	100	211	173	66	46	124	64	80	69	49	0	1215
(1)	1.91	1.16	1.64	.22	.43	.91	2.69	5.67	4.65	1.77	1.24	3.33	1.72	2.15	1.85	1.32	.00	32.66
(2)	1.91	1.16	1.64	.22	.43	.91	2.69	5.67	4.65	1.77	1.24	3.33	1.72	2.15	1.85	1.32	.00	32.66
3.1- 4.0	30	30	37	2	0	21	43	60	141	48	34	80	102	55	27	6	0	716
(1)	.81	.81	.99	.05	.00	.56	1.16	1.61	3.79	1.29	.91	2.15	2.74	1.48	.73	.16	.00	19.25
(2)	.81	.81	.99	.05	.00	.56	1.16	1.61	3.79	1.29	.91	2.15	2.74	1.48	.73	.16	.00	19.25
4.1- 5.0	25	11	11	1	0	3	10	19	35	9	8	16	70	41	9	2	0	270
(1)	.67	.30	.30	.03	.00	.08	.27	.51	.94	.24	.22	.43	1.88	1.10	.24	.05	.00	7.26
(2)	.67	.30	.30	.03	.00	.08	.27	.51	.94	.24	.22	.43	1.88	1.10	.24	.05	.00	7.26
5.1- 6.0	18	6	0	0	0	0	0	2	4	1	0	7	41	27	3	0	0	109
(1)	.48	.16	.00	.00	.00	.00	.00	.05	.11	.03	.00	.19	1.10	.73	.08	.00	.00	2.93
(2)	.48	.16	.00	.00	.00	.00	.00	.05	.11	.03	.00	.19	1.10	.73	.08	.00	.00	2.93
6.1- 8.0	4	1	0	0	0	0	0	0	0	0	0	2	74	34	0	1	0	116
(1)	.11	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.99	.91	.00	.03	.00	3.12
(2)	.11	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.99	.91	.00	.03	.00	3.12
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	1	53	13	0	0	0	67
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	1.42	.35	.00	.00	.00	1.80
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	1.42	.35	.00	.00	.00	1.80
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	10	1	0	0	0	11
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27	.03	.00	.00	.00	.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27	.03	.00	.00	.00	.30
ALL SPEEDS	181	127	169	69	94	192	356	475	436	180	130	268	468	298	164	113	0	3720
(1)	4.87	3.41	4.54	1.85	2.53	5.16	9.57	12.77	11.72	4.84	3.49	7.20	12.58	8.01	4.41	3.04	.00	100.00
(2)	4.87	3.41	4.54	1.85	2.53	5.16	9.57	12.77	11.72	4.84	3.49	7.20	12.58	8.01	4.41	3.04	.00	100.00

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Table 2.3-47—{NMPNS 30 ft (9-m) 2001-2005 September JFD}

(Page 1 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 10.80

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	5	0	12
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.78	.78	1.29	.00	3.10
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.08	.14	.00	.33
1.6- 2.0	6	0	0	0	0	0	1	0	0	1	0	1	0	6	16	15	0	46
(1)	1.55	.00	.00	.00	.00	.00	.26	.00	.00	.26	.00	.26	.00	1.55	4.13	3.88	.00	11.89
(2)	.17	.00	.00	.00	.00	.00	.03	.00	.00	.03	.00	.03	.00	.17	.45	.42	.00	1.28
2.1- 3.0	24	11	3	1	0	5	4	7	2	1	0	20	5	15	18	24	0	140
(1)	6.20	2.84	.78	.26	.00	1.29	1.03	1.81	.52	.26	.00	5.17	1.29	3.88	4.65	6.20	.00	36.18
(2)	.67	.31	.08	.03	.00	.14	.11	.20	.06	.03	.00	.56	.14	.42	.50	.67	.00	3.91
3.1- 4.0	25	15	1	0	1	5	9	11	2	0	3	15	2	8	8	7	0	112
(1)	6.46	3.88	.26	.00	.26	1.29	2.33	2.84	.52	.00	.78	3.88	.52	2.07	2.07	1.81	.00	28.94
(2)	.70	.42	.03	.00	.03	.14	.25	.31	.06	.00	.08	.42	.06	.22	.22	.20	.00	3.13
4.1- 5.0	16	8	2	0	0	0	1	2	2	0	1	4	4	1	1	3	0	45
(1)	4.13	2.07	.52	.00	.00	.00	.26	.52	.52	.00	.26	1.03	1.03	.26	.26	.78	.00	11.63
(2)	.45	.22	.06	.00	.00	.00	.03	.06	.06	.00	.03	.11	.11	.03	.03	.08	.00	1.26
5.1- 6.0	1	2	1	0	0	0	0	1	1	0	0	0	3	1	0	3	0	13
(1)	.26	.52	.26	.00	.00	.00	.00	.26	.26	.00	.00	.00	.78	.26	.00	.78	.00	3.36
(2)	.03	.06	.03	.00	.00	.00	.00	.03	.03	.00	.00	.00	.08	.03	.00	.08	.00	.36
6.1- 8.0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	3	0	5
(1)	.00	.26	.00	.00	.00	.00	.00	.00	.00	.00	.26	.00	.00	.00	.00	.78	.00	1.29
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.08	.00	.14
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.52	.00	.00	.00	.78
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.06	.00	.00	.00	.08
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	6	4	1	0	0	11
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.55	1.03	.26	.00	.00	2.84
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.11	.03	.00	.00	.31
ALL SPEEDS	72	37	7	1	1	10	15	21	7	2	5	40	22	40	47	60	0	387
(1)	18.60	9.56	1.81	.26	.26	2.58	3.88	5.43	1.81	.52	1.29	10.34	5.68	10.34	12.14	15.50	.00	100.00
(2)	2.01	1.03	.20	.03	.03	.28	.42	.59	.20	.06	.14	1.12	.61	1.12	1.31	1.67	.00	10.80

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Table 2.3-47—{NMPNS 30 ft (9-m) 2001-2005 September JFD}

(Page 2 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.11

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.55	.00	.55	.00	1.09
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.06
1.1- 1.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	5
(1)	.55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.64	.55	.00	2.73
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.03	.00	.14
1.6- 2.0	1	1	1	0	1	0	0	0	2	2	0	0	4	2	1	1	0	16
(1)	.55	.55	.55	.00	.55	.00	.00	.00	1.09	1.09	.00	.00	2.19	1.09	.55	.55	.00	8.74
(2)	.03	.03	.03	.00	.03	.00	.00	.00	.06	.06	.00	.00	.11	.06	.03	.03	.00	.45
2.1- 3.0	8	3	0	0	1	4	8	5	5	2	2	8	3	4	3	2	0	58
(1)	4.37	1.64	.00	.00	.55	2.19	4.37	2.73	2.73	1.09	1.09	4.37	1.64	2.19	1.64	1.09	.00	31.69
(2)	.22	.08	.00	.00	.03	.11	.22	.14	.14	.06	.06	.22	.08	.11	.08	.06	.00	1.62
3.1- 4.0	6	0	0	0	0	3	4	12	5	2	1	7	8	3	1	3	0	55
(1)	3.28	.00	.00	.00	.00	1.64	2.19	6.56	2.73	1.09	.55	3.83	4.37	1.64	.55	1.64	.00	30.05
(2)	.17	.00	.00	.00	.00	.08	.11	.33	.14	.06	.03	.20	.22	.08	.03	.08	.00	1.54
4.1- 5.0	0	1	0	0	0	0	1	2	2	0	0	4	13	1	3	1	0	28
(1)	.00	.55	.00	.00	.00	.00	.55	1.09	1.09	.00	.00	2.19	7.10	.55	1.64	.55	.00	15.30
(2)	.00	.03	.00	.00	.00	.00	.03	.06	.06	.00	.00	.11	.36	.03	.08	.03	.00	.78
5.1- 6.0	1	0	0	0	0	0	0	0	0	0	0	0	3	4	1	0	0	9
(1)	.55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.64	2.19	.55	.00	.00	4.92
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.11	.03	.00	.00	.25
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.09	.55	.00	.00	.00	1.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.03	.00	.00	.00	.08
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.55	2.19	.00	.00	.00	2.73
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.11	.00	.00	.00	.14
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.55	.55	.00	.00	.00	1.09
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.06
ALL SPEEDS	17	5	1	0	2	7	13	19	14	6	3	19	35	21	12	9	0	183
(1)	9.29	2.73	.55	.00	1.09	3.83	7.10	10.38	7.65	3.28	1.64	10.38	19.13	11.48	6.56	4.92	.00	100.00
(2)	.47	.14	.03	.00	.06	.20	.36	.53	.39	.17	.08	.53	.98	.59	.33	.25	.00	5.11

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Table 2.3-47—{NMPNS 30 ft (9-m) 2001-2005 September JFD}

(Page 3 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.53

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	0	0	1	0	1	0	0	0	0	0	0	0	1	2	2	0	8
(1)	.51	.00	.00	.51	.00	.51	.00	.00	.00	.00	.00	.00	.00	.51	1.01	1.01	.00	4.04
(2)	.03	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03	.06	.06	.00	.22
1.6- 2.0	2	0	1	0	1	0	1	2	0	0	2	0	1	1	1	3	0	15
(1)	1.01	.00	.51	.00	.51	.00	.51	1.01	.00	.00	1.01	.00	.51	.51	.51	1.52	.00	7.58
(2)	.06	.00	.03	.00	.03	.00	.03	.06	.00	.00	.06	.00	.03	.03	.03	.08	.00	.42
2.1- 3.0	8	3	3	1	2	1	3	5	10	7	2	4	6	2	3	1	0	61
(1)	4.04	1.52	1.52	.51	1.01	.51	1.52	2.53	5.05	3.54	1.01	2.02	3.03	1.01	1.52	.51	.00	30.81
(2)	.22	.08	.08	.03	.06	.03	.08	.14	.28	.20	.06	.11	.17	.06	.08	.03	.00	1.70
3.1- 4.0	2	2	1	0	0	3	7	9	11	5	5	3	8	7	0	4	0	67
(1)	1.01	1.01	.51	.00	.00	1.52	3.54	4.55	5.56	2.53	2.53	1.52	4.04	3.54	.00	2.02	.00	33.84
(2)	.06	.06	.03	.00	.00	.08	.20	.25	.31	.14	.14	.08	.22	.20	.00	.11	.00	1.87
4.1- 5.0	4	6	1	0	0	0	2	3	2	0	0	0	8	2	0	2	0	30
(1)	2.02	3.03	.51	.00	.00	.00	1.01	1.52	1.01	.00	.00	.00	4.04	1.01	.00	1.01	.00	15.15
(2)	.11	.17	.03	.00	.00	.00	.06	.08	.06	.00	.00	.00	.22	.06	.00	.06	.00	.84
5.1- 6.0	2	0	0	0	0	0	0	0	0	0	0	1	1	3	0	0	0	7
(1)	1.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.51	.51	1.52	.00	.00	.00	3.54
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.08	.00	.00	.00	.20
6.1- 8.0	1	0	1	0	0	0	0	0	1	0	0	0	5	2	0	0	0	10
(1)	.51	.00	.51	.00	.00	.00	.00	.00	.51	.00	.00	.00	2.53	1.01	.00	.00	.00	5.05
(2)	.03	.00	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.14	.06	.00	.00	.00	.28
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	20	11	7	2	3	5	13	19	24	12	9	8	29	18	6	12	0	198
(1)	10.10	5.56	3.54	1.01	1.52	2.53	6.57	9.60	12.12	6.06	4.55	4.04	14.65	9.09	3.03	6.06	.00	100.00
(2)	.56	.31	.20	.06	.08	.14	.36	.53	.67	.33	.25	.22	.81	.50	.17	.33	.00	5.53

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Table 2.3-47—{NMPNS 30 ft (9-m) 2001-2005 September JFD}

(Page 4 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 29.67

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	1	1	0	1	1	0	0	0	0	1	0	2	0	0	0	8
(1)	.09	.00	.09	.09	.00	.09	.09	.00	.00	.00	.00	.09	.00	.19	.00	.00	.00	.75
(2)	.03	.00	.03	.03	.00	.03	.03	.00	.00	.00	.00	.03	.00	.06	.00	.00	.00	.22
1.1- 1.5	6	5	7	2	7	2	4	1	1	0	1	5	1	1	5	4	0	52
(1)	.56	.47	.66	.19	.66	.19	.38	.09	.09	.00	.09	.47	.09	.09	.47	.38	.00	4.89
(2)	.17	.14	.20	.06	.20	.06	.11	.03	.03	.00	.03	.14	.03	.03	.14	.11	.00	1.45
1.6- 2.0	7	21	13	5	3	7	7	4	4	9	6	4	5	2	6	8	0	111
(1)	.66	1.98	1.22	.47	.28	.66	.66	.38	.38	.85	.56	.38	.47	.19	.56	.75	.00	10.44
(2)	.20	.59	.36	.14	.08	.20	.20	.11	.11	.25	.17	.11	.14	.06	.17	.22	.00	3.10
2.1- 3.0	30	23	39	9	1	26	34	21	29	16	6	22	9	10	12	19	0	306
(1)	2.82	2.16	3.67	.85	.09	2.45	3.20	1.98	2.73	1.51	.56	2.07	.85	.94	1.13	1.79	.00	28.79
(2)	.84	.64	1.09	.25	.03	.73	.95	.59	.81	.45	.17	.61	.25	.28	.33	.53	.00	8.54
3.1- 4.0	12	23	27	1	2	11	26	29	33	8	14	12	21	11	11	2	0	243
(1)	1.13	2.16	2.54	.09	.19	1.03	2.45	2.73	3.10	.75	1.32	1.13	1.98	1.03	1.03	.19	.00	22.86
(2)	.33	.64	.75	.03	.06	.31	.73	.81	.92	.22	.39	.33	.59	.31	.31	.06	.00	6.78
4.1- 5.0	3	21	12	0	1	0	11	10	16	6	2	7	19	14	7	1	0	130
(1)	.28	1.98	1.13	.00	.09	.00	1.03	.94	1.51	.56	.19	.66	1.79	1.32	.66	.09	.00	12.23
(2)	.08	.59	.33	.00	.03	.00	.31	.28	.45	.17	.06	.20	.53	.39	.20	.03	.00	3.63
5.1- 6.0	7	23	3	0	0	3	5	6	11	0	2	3	12	8	3	1	0	87
(1)	.66	2.16	.28	.00	.00	.28	.47	.56	1.03	.00	.19	.28	1.13	.75	.28	.09	.00	8.18
(2)	.20	.64	.08	.00	.00	.08	.14	.17	.31	.00	.06	.08	.33	.22	.08	.03	.00	2.43
6.1- 8.0	1	3	1	0	0	10	0	7	1	0	0	3	37	15	0	0	0	78
(1)	.09	.28	.09	.00	.00	.94	.00	.66	.09	.00	.00	.28	3.48	1.41	.00	.00	.00	7.34
(2)	.03	.08	.03	.00	.00	.28	.00	.20	.03	.00	.00	.08	1.03	.42	.00	.00	.00	2.18
8.1-10.0	0	0	0	0	0	0	0	0	0	0	1	3	17	10	0	0	0	31
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.28	1.60	.94	.00	.00	.00	2.92
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.47	.28	.00	.00	.00	.87
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	15	2	0	0	0	17
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.41	.19	.00	.00	.00	1.60
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	.06	.00	.00	.00	.47
ALL SPEEDS	67	119	103	18	14	60	88	78	95	39	32	60	136	75	44	35	0	1063
(1)	6.30	11.19	9.69	1.69	1.32	5.64	8.28	7.34	8.94	3.67	3.01	5.64	12.79	7.06	4.14	3.29	.00	100.00
(2)	1.87	3.32	2.87	.50	.39	1.67	2.46	2.18	2.65	1.09	.89	1.67	3.80	2.09	1.23	.98	.00	29.67

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Table 2.3-47—{NMPNS 30 ft (9-m) 2001-2005 September JFD}

(Page 5 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 26.43

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	2	4	6	5	2	1	1	1	4	1	1	2	0	0	0	31
(1)	.11	.00	.21	.42	.63	.53	.21	.11	.11	.11	.42	.11	.11	.21	.00	.00	.00	3.27
(2)	.03	.00	.06	.11	.17	.14	.06	.03	.03	.03	.11	.03	.03	.06	.00	.00	.00	.87
1.1- 1.5	0	2	2	10	7	15	14	5	5	6	3	3	1	1	0	3	0	77
(1)	.00	.21	.21	1.06	.74	1.58	1.48	.53	.53	.63	.32	.32	.11	.11	.00	.32	.00	8.13
(2)	.00	.06	.06	.28	.20	.42	.39	.14	.14	.17	.08	.08	.03	.03	.00	.08	.00	2.15
1.6- 2.0	3	1	10	11	19	19	14	16	8	4	8	7	5	2	0	1	0	128
(1)	.32	.11	1.06	1.16	2.01	2.01	1.48	1.69	.84	.42	.84	.74	.53	.21	.00	.11	.00	13.52
(2)	.08	.03	.28	.31	.53	.53	.39	.45	.22	.11	.22	.20	.14	.06	.00	.03	.00	3.57
2.1- 3.0	10	7	12	11	4	54	85	63	57	31	11	22	12	1	2	2	0	384
(1)	1.06	.74	1.27	1.16	.42	5.70	8.98	6.65	6.02	3.27	1.16	2.32	1.27	.11	.21	.21	.00	40.55
(2)	.28	.20	.33	.31	.11	1.51	2.37	1.76	1.59	.87	.31	.61	.33	.03	.06	.06	.00	10.72
3.1- 4.0	0	2	2	1	2	4	49	44	57	18	9	9	7	1	1	0	0	206
(1)	.00	.21	.21	.11	.21	.42	5.17	4.65	6.02	1.90	.95	.95	.74	.11	.11	.00	.00	21.75
(2)	.00	.06	.06	.03	.06	.11	1.37	1.23	1.59	.50	.25	.25	.20	.03	.03	.00	.00	5.75
4.1- 5.0	0	1	0	0	1	2	19	11	32	2	3	8	4	4	3	0	0	90
(1)	.00	.11	.00	.00	.11	.21	2.01	1.16	3.38	.21	.32	.84	.42	.42	.32	.00	.00	9.50
(2)	.00	.03	.00	.00	.03	.06	.53	.31	.89	.06	.08	.22	.11	.11	.08	.00	.00	2.51
5.1- 6.0	0	0	0	0	0	0	2	6	2	0	0	2	3	0	2	0	0	17
(1)	.00	.00	.00	.00	.00	.00	.21	.63	.21	.00	.00	.21	.32	.00	.21	.00	.00	1.80
(2)	.00	.00	.00	.00	.00	.00	.06	.17	.06	.00	.00	.06	.08	.00	.06	.00	.00	.47
6.1- 8.0	0	0	0	0	0	0	0	1	0	0	0	2	4	2	0	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.21	.42	.21	.00	.00	.00	.95
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.06	.11	.06	.00	.00	.00	.25
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.11	.00	.00	.00	.32
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.03	.00	.00	.00	.08
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.00	.00	.00	.00	.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.06
ALL SPEEDS	14	13	28	37	39	99	185	147	162	62	38	54	41	14	8	6	0	947
(1)	1.48	1.37	2.96	3.91	4.12	10.45	19.54	15.52	17.11	6.55	4.01	5.70	4.33	1.48	.84	.63	.00	100.00
(2)	.39	.36	.78	1.03	1.09	2.76	5.16	4.10	4.52	1.73	1.06	1.51	1.14	.39	.22	.17	.00	26.43

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Table 2.3-47—{NMPNS 30 ft (9-m) 2001-2005 September JFD}

(Page 6 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 9.29

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.00	.00	.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
.5- 1.0	1	0	0	1	5	5	2	3	2	3	1	1	0	0	0	0	0	24
(1)	.30	.00	.00	.30	1.50	1.50	.60	.90	.60	.90	.30	.30	.00	.00	.00	.00	.00	7.21
(2)	.03	.00	.00	.03	.14	.14	.06	.08	.06	.08	.03	.03	.00	.00	.00	.00	.00	.67
1.1- 1.5	0	0	2	1	8	18	8	8	4	4	2	0	2	0	0	1	0	58
(1)	.00	.00	.60	.30	2.40	5.41	2.40	2.40	1.20	1.20	.60	.00	.60	.00	.00	.30	.00	17.42
(2)	.00	.00	.06	.03	.22	.50	.22	.22	.11	.11	.06	.00	.06	.00	.00	.03	.00	1.62
1.6- 2.0	0	0	0	0	5	14	10	9	10	2	3	1	2	1	0	0	0	57
(1)	.00	.00	.00	.00	1.50	4.20	3.00	2.70	3.00	.60	.90	.30	.60	.30	.00	.00	.00	17.12
(2)	.00	.00	.00	.00	.14	.39	.28	.25	.28	.06	.08	.03	.06	.03	.00	.00	.00	1.59
2.1- 3.0	0	0	0	0	1	7	25	37	30	23	3	9	2	0	0	0	0	137
(1)	.00	.00	.00	.00	.30	2.10	7.51	11.11	9.01	6.91	.90	2.70	.60	.00	.00	.00	.00	41.14
(2)	.00	.00	.00	.00	.03	.20	.70	1.03	.84	.64	.08	.25	.06	.00	.00	.00	.00	3.82
3.1- 4.0	0	0	0	0	0	0	4	14	24	7	1	1	1	0	0	0	0	52
(1)	.00	.00	.00	.00	.00	.00	1.20	4.20	7.21	2.10	.30	.30	.30	.00	.00	.00	.00	15.62
(2)	.00	.00	.00	.00	.00	.00	.11	.39	.67	.20	.03	.03	.03	.00	.00	.00	.00	1.45
4.1- 5.0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.00	.30	.00	.00	.30	.00	.00	.90
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.00	.00	.03	.00	.00	.08
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.00	.00	.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1	0	2	2	19	44	49	71	71	39	10	13	7	3	1	1	0	333
(1)	.30	.00	.60	.60	5.71	13.21	14.71	21.32	21.32	11.71	3.00	3.90	2.10	.90	.30	.30	.00	100.00
(2)	.03	.00	.06	.06	.53	1.23	1.37	1.98	1.98	1.09	.28	.36	.20	.08	.03	.03	.00	9.29

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Table 2.3-47—{NMPNS 30 ft (9-m) 2001-2005 September JFD}

(Page 7 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 13.17

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	4	10	13	7	4	1	0	0	0	0	0	0	0	39
(1)	.00	.00	.00	.00	.85	2.12	2.75	1.48	.85	.21	.00	.00	.00	.00	.00	.00	.00	8.26
(2)	.00	.00	.00	.00	.11	.28	.36	.20	.11	.03	.00	.00	.00	.00	.00	.00	.00	1.09
1.1- 1.5	0	0	0	0	3	10	58	28	8	1	0	0	0	0	0	0	0	108
(1)	.00	.00	.00	.00	.64	2.12	12.29	5.93	1.69	.21	.00	.00	.00	.00	.00	.00	.00	22.88
(2)	.00	.00	.00	.00	.08	.28	1.62	.78	.22	.03	.00	.00	.00	.00	.00	.00	.00	3.01
1.6- 2.0	0	0	0	0	0	19	28	36	24	0	1	0	1	0	0	0	0	109
(1)	.00	.00	.00	.00	.00	4.03	5.93	7.63	5.08	.00	.21	.00	.21	.00	.00	.00	.00	23.09
(2)	.00	.00	.00	.00	.00	.53	.78	1.00	.67	.00	.03	.00	.03	.00	.00	.00	.00	3.04
2.1- 3.0	0	0	0	0	0	2	26	97	58	4	0	0	1	0	0	0	0	188
(1)	.00	.00	.00	.00	.00	.42	5.51	20.55	12.29	.85	.00	.00	.21	.00	.00	.00	.00	39.83
(2)	.00	.00	.00	.00	.00	.06	.73	2.71	1.62	.11	.00	.00	.03	.00	.00	.00	.00	5.25
3.1- 4.0	0	0	0	0	0	0	0	3	16	4	0	0	1	0	0	0	0	24
(1)	.00	.00	.00	.00	.00	.00	.00	.64	3.39	.85	.00	.00	.21	.00	.00	.00	.00	5.08
(2)	.00	.00	.00	.00	.00	.00	.00	.08	.45	.11	.00	.00	.03	.00	.00	.00	.00	.67
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.21	.00	.00	.42
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.06
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.00	.00	.00	.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.00	.00	.00	.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	0	7	41	125	171	110	10	1	0	3	3	1	0	0	472
(1)	.00	.00	.00	.00	1.48	8.69	26.48	36.23	23.31	2.12	.21	.00	.64	.64	.21	.00	.00	100.00
(2)	.00	.00	.00	.00	.20	1.14	3.49	4.77	3.07	.28	.03	.00	.08	.08	.03	.00	.00	13.17

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Table 2.3-47—{NMPNS 30 ft (9-m) 2001-2005 September JFD}

(Page 8 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
.5- 1.0	3	0	3	6	15	21	18	11	7	5	5	3	1	5	0	1	0	104
(1)	.08	.00	.08	.17	.42	.59	.50	.31	.20	.14	.14	.08	.03	.14	.00	.03	.00	2.90
(2)	.08	.00	.08	.17	.42	.59	.50	.31	.20	.14	.14	.08	.03	.14	.00	.03	.00	2.90
1.1- 1.5	8	7	11	14	25	46	84	42	18	11	6	8	5	6	13	16	0	320
(1)	.22	.20	.31	.39	.70	1.28	2.34	1.17	.50	.31	.17	.22	.14	.17	.36	.45	.00	8.93
(2)	.22	.20	.31	.39	.70	1.28	2.34	1.17	.50	.31	.17	.22	.14	.17	.36	.45	.00	8.93
1.6- 2.0	19	23	25	16	29	59	61	67	48	18	20	13	18	14	24	28	0	482
(1)	.53	.64	.70	.45	.81	1.65	1.70	1.87	1.34	.50	.56	.36	.50	.39	.67	.78	.00	13.45
(2)	.53	.64	.70	.45	.81	1.65	1.70	1.87	1.34	.50	.56	.36	.50	.39	.67	.78	.00	13.45
2.1- 3.0	80	47	57	22	9	99	185	235	191	84	24	85	38	32	38	48	0	1274
(1)	2.23	1.31	1.59	.61	.25	2.76	5.16	6.56	5.33	2.34	.67	2.37	1.06	.89	1.06	1.34	.00	35.56
(2)	2.23	1.31	1.59	.61	.25	2.76	5.16	6.56	5.33	2.34	.67	2.37	1.06	.89	1.06	1.34	.00	35.56
3.1- 4.0	45	42	31	2	5	26	99	122	148	44	33	47	48	30	21	16	0	759
(1)	1.26	1.17	.87	.06	.14	.73	2.76	3.40	4.13	1.23	.92	1.31	1.34	.84	.59	.45	.00	21.18
(2)	1.26	1.17	.87	.06	.14	.73	2.76	3.40	4.13	1.23	.92	1.31	1.34	.84	.59	.45	.00	21.18
4.1- 5.0	23	37	15	0	2	2	34	28	55	8	6	24	48	23	16	7	0	328
(1)	.64	1.03	.42	.00	.06	.06	.95	.78	1.54	.22	.17	.67	1.34	.64	.45	.20	.00	9.15
(2)	.64	1.03	.42	.00	.06	.06	.95	.78	1.54	.22	.17	.67	1.34	.64	.45	.20	.00	9.15
5.1- 6.0	11	25	4	0	0	3	7	13	14	0	2	6	22	18	6	4	0	135
(1)	.31	.70	.11	.00	.00	.08	.20	.36	.39	.00	.06	.17	.61	.50	.17	.11	.00	3.77
(2)	.31	.70	.11	.00	.00	.08	.20	.36	.39	.00	.06	.17	.61	.50	.17	.11	.00	3.77
6.1- 8.0	2	4	2	0	0	10	0	8	2	0	1	5	48	21	0	3	0	106
(1)	.06	.11	.06	.00	.00	.28	.00	.22	.06	.00	.03	.14	1.34	.59	.00	.08	.00	2.96
(2)	.06	.11	.06	.00	.00	.28	.00	.22	.06	.00	.03	.14	1.34	.59	.00	.08	.00	2.96
8.1-10.0	0	0	0	0	0	0	0	0	0	0	1	3	21	17	0	0	0	42
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.59	.47	.00	.00	.00	1.17
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.59	.47	.00	.00	.00	1.17
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	24	7	1	0	0	32
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.67	.20	.03	.00	.00	.89
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.67	.20	.03	.00	.00	.89
ALL SPEEDS	191	185	148	60	85	266	488	526	483	170	98	194	273	174	119	123	0	3583
(1)	5.33	5.16	4.13	1.67	2.37	7.42	13.62	14.68	13.48	4.74	2.74	5.41	7.62	4.86	3.32	3.43	.00	100.00
(2)	5.33	5.16	4.13	1.67	2.37	7.42	13.62	14.68	13.48	4.74	2.74	5.41	7.62	4.86	3.32	3.43	.00	100.00

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Table 2.3-48—{NMPNS 30 ft (9-m) 2001-2005 October JFD}

(Page 1 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 8.19

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.34	.00	.00	.00	.34
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.67	.00	.00	.00	.67
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.05
1.6- 2.0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	2	6	0	11
(1)	.00	.34	.00	.00	.00	.00	.34	.00	.34	.00	.00	.00	.00	.00	.67	2.01	.00	3.69
(2)	.00	.03	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.05	.16	.00	.30
2.1- 3.0	15	8	5	3	1	4	2	0	0	2	0	5	2	6	3	8	0	64
(1)	5.03	2.68	1.68	1.01	.34	1.34	.67	.00	.00	.67	.00	1.68	.67	2.01	1.01	2.68	.00	21.48
(2)	.41	.22	.14	.08	.03	.11	.05	.00	.00	.05	.00	.14	.05	.16	.08	.22	.00	1.76
3.1- 4.0	5	9	3	1	1	8	8	2	2	0	2	0	3	5	12	9	0	70
(1)	1.68	3.02	1.01	.34	.34	2.68	2.68	.67	.67	.00	.67	.00	1.01	1.68	4.03	3.02	.00	23.49
(2)	.14	.25	.08	.03	.03	.22	.22	.05	.05	.00	.05	.00	.08	.14	.33	.25	.00	1.92
4.1- 5.0	0	5	7	0	0	1	1	0	0	0	0	2	2	6	4	5	0	33
(1)	.00	1.68	2.35	.00	.00	.34	.34	.00	.00	.00	.00	.67	.67	2.01	1.34	1.68	.00	11.07
(2)	.00	.14	.19	.00	.00	.03	.03	.00	.00	.00	.00	.05	.05	.16	.11	.14	.00	.91
5.1- 6.0	2	2	1	0	0	0	1	0	0	0	0	1	2	2	7	3	0	21
(1)	.67	.67	.34	.00	.00	.00	.34	.00	.00	.00	.00	.34	.67	.67	2.35	1.01	.00	7.05
(2)	.05	.05	.03	.00	.00	.00	.03	.00	.00	.00	.00	.03	.05	.05	.19	.08	.00	.58
6.1- 8.0	8	6	1	0	0	0	0	0	0	0	0	0	0	2	16	3	0	36
(1)	2.68	2.01	.34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.67	5.37	1.01	.00	12.08
(2)	.22	.16	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.44	.08	.00	.99
8.1-10.0	0	5	0	0	0	0	0	0	0	0	0	0	1	3	5	0	0	14
(1)	.00	1.68	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.34	1.01	1.68	.00	.00	4.70
(2)	.00	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.14	.00	.00	.38
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	4	17	25	0	0	0	46
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.34	5.70	8.39	.00	.00	.00	15.44
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.47	.69	.00	.00	.00	1.26
ALL SPEEDS	30	36	17	4	2	13	13	2	3	2	2	12	27	52	49	34	0	298
(1)	10.07	12.08	5.70	1.34	.67	4.36	4.36	.67	1.01	.67	.67	4.03	9.06	17.45	16.44	11.41	.00	100.00
(2)	.82	.99	.47	.11	.05	.36	.36	.05	.08	.05	.05	.33	.74	1.43	1.35	.93	.00	8.19

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Table 2.3-48—{NMPNS 30 ft (9-m) 2001-2005 October JFD}

(Page 2 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 6.90

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
(1)	.00	.00	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00	.80
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.05
1.6- 2.0	2	0	1	0	0	0	0	2	0	0	0	1	0	2	1	2	0	11
(1)	.80	.00	.40	.00	.00	.00	.00	.80	.00	.00	.00	.40	.00	.80	.40	.80	.00	4.38
(2)	.05	.00	.03	.00	.00	.00	.00	.05	.00	.00	.00	.03	.00	.05	.03	.05	.00	.30
2.1- 3.0	4	3	2	1	1	2	1	1	2	0	2	2	2	2	1	4	0	30
(1)	1.59	1.20	.80	.40	.40	.80	.40	.40	.80	.00	.80	.80	.80	.80	.40	1.59	.00	11.95
(2)	.11	.08	.05	.03	.03	.05	.03	.03	.05	.00	.05	.05	.05	.05	.03	.11	.00	.82
3.1- 4.0	5	3	3	0	1	2	3	0	6	1	0	5	3	5	7	9	0	53
(1)	1.99	1.20	1.20	.00	.40	.80	1.20	.00	2.39	.40	.00	1.99	1.20	1.99	2.79	3.59	.00	21.12
(2)	.14	.08	.08	.00	.03	.05	.08	.00	.16	.03	.00	.14	.08	.14	.19	.25	.00	1.46
4.1- 5.0	1	4	0	0	0	2	3	4	4	2	1	5	4	1	8	3	0	42
(1)	.40	1.59	.00	.00	.00	.80	1.20	1.59	1.59	.80	.40	1.99	1.59	.40	3.19	1.20	.00	16.73
(2)	.03	.11	.00	.00	.00	.05	.08	.11	.11	.05	.03	.14	.11	.03	.22	.08	.00	1.15
5.1- 6.0	2	0	0	0	0	0	1	0	0	0	2	2	3	4	9	1	0	24
(1)	.80	.00	.00	.00	.00	.00	.40	.00	.00	.00	.80	.80	1.20	1.59	3.59	.40	.00	9.56
(2)	.05	.00	.00	.00	.00	.00	.03	.00	.00	.00	.05	.05	.08	.11	.25	.03	.00	.66
6.1- 8.0	2	1	1	0	0	0	0	0	0	0	0	1	8	7	16	2	0	38
(1)	.80	.40	.40	.00	.00	.00	.00	.00	.00	.00	.00	.40	3.19	2.79	6.37	.80	.00	15.14
(2)	.05	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.22	.19	.44	.05	.00	1.04
8.1-10.0	0	3	0	0	0	0	0	0	0	0	0	0	4	8	5	0	0	20
(1)	.00	1.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.59	3.19	1.99	.00	.00	7.97
(2)	.00	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.22	.14	.00	.00	.55
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	23	7	0	0	0	30
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	9.16	2.79	.00	.00	.00	11.95
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.63	.19	.00	.00	.00	.82
ALL SPEEDS	17	14	8	1	2	6	8	7	12	3	5	16	47	36	48	21	0	251
(1)	6.77	5.58	3.19	.40	.80	2.39	3.19	2.79	4.78	1.20	1.99	6.37	18.73	14.34	19.12	8.37	.00	100.00
(2)	.47	.38	.22	.03	.05	.16	.22	.19	.33	.08	.14	.44	1.29	.99	1.32	.58	.00	6.90

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Table 2.3-48—{NMPNS 30 ft (9-m) 2001-2005 October JFD}

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NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 8.63

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.32	.00	.00	.00	.32	.00	.00	.00	.00	.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.05
1.6- 2.0	0	1	1	0	1	2	0	1	0	0	0	0	0	0	1	0	0	7
(1)	.00	.32	.32	.00	.32	.64	.00	.32	.00	.00	.00	.00	.00	.00	.32	.00	.00	2.23
(2)	.00	.03	.03	.00	.03	.05	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.19
2.1- 3.0	5	8	6	1	2	6	3	3	6	3	1	2	0	2	1	2	0	51
(1)	1.59	2.55	1.91	.32	.64	1.91	.96	.96	1.91	.96	.32	.64	.00	.64	.32	.64	.00	16.24
(2)	.14	.22	.16	.03	.05	.16	.08	.08	.16	.08	.03	.05	.00	.05	.03	.05	.00	1.40
3.1- 4.0	3	4	4	0	0	4	6	5	16	1	1	5	5	4	12	8	0	78
(1)	.96	1.27	1.27	.00	.00	1.27	1.91	1.59	5.10	.32	.32	1.59	1.59	1.27	3.82	2.55	.00	24.84
(2)	.08	.11	.11	.00	.00	.11	.16	.14	.44	.03	.03	.14	.14	.11	.33	.22	.00	2.14
4.1- 5.0	13	2	1	0	0	1	8	1	2	1	0	1	5	2	4	1	0	42
(1)	4.14	.64	.32	.00	.00	.32	2.55	.32	.64	.32	.00	.32	1.59	.64	1.27	.32	.00	13.38
(2)	.36	.05	.03	.00	.00	.03	.22	.03	.05	.03	.00	.03	.14	.05	.11	.03	.00	1.15
5.1- 6.0	5	0	2	0	0	0	1	3	1	1	0	1	4	4	8	2	0	32
(1)	1.59	.00	.64	.00	.00	.00	.32	.96	.32	.32	.00	.32	1.27	1.27	2.55	.64	.00	10.19
(2)	.14	.00	.05	.00	.00	.00	.03	.08	.03	.03	.00	.03	.11	.11	.22	.05	.00	.88
6.1- 8.0	1	2	8	0	0	0	0	0	0	0	0	1	11	13	8	1	0	45
(1)	.32	.64	2.55	.00	.00	.00	.00	.00	.00	.00	.00	.32	3.50	4.14	2.55	.32	.00	14.33
(2)	.03	.05	.22	.00	.00	.00	.00	.00	.00	.00	.00	.03	.30	.36	.22	.03	.00	1.24
8.1-10.0	0	4	1	0	0	0	0	0	0	0	0	1	4	6	1	0	0	17
(1)	.00	1.27	.32	.00	.00	.00	.00	.00	.00	.00	.00	.32	1.27	1.91	.32	.00	.00	5.41
(2)	.00	.11	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.11	.16	.03	.00	.00	.47
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	3	23	14	0	0	0	40
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.96	7.32	4.46	.00	.00	.00	12.74
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.63	.38	.00	.00	.00	1.10
ALL SPEEDS	27	21	23	1	3	13	18	13	26	6	2	14	53	45	35	14	0	314
(1)	8.60	6.69	7.32	.32	.96	4.14	5.73	4.14	8.28	1.91	.64	4.46	16.88	14.33	11.15	4.46	.00	100.00
(2)	.74	.58	.63	.03	.08	.36	.49	.36	.71	.16	.05	.38	1.46	1.24	.96	.38	.00	8.63

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Table 2.3-48—{NMPNS 30 ft (9-m) 2001-2005 October JFD}

(Page 4 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 40.79

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	1	4	6	2	7	2	0	2	0	0	1	1	1	0	1	0	29
(1)	.07	.07	.27	.40	.13	.47	.13	.00	.13	.00	.00	.07	.07	.07	.00	.07	.00	1.95
(2)	.03	.03	.11	.16	.05	.19	.05	.00	.05	.00	.00	.03	.03	.03	.00	.03	.00	.80
1.1- 1.5	5	2	10	16	9	12	7	6	3	1	0	0	1	3	2	10	0	87
(1)	.34	.13	.67	1.08	.61	.81	.47	.40	.20	.07	.00	.00	.07	.20	.13	.67	.00	5.86
(2)	.14	.05	.27	.44	.25	.33	.19	.16	.08	.03	.00	.00	.03	.08	.05	.27	.00	2.39
1.6- 2.0	9	11	22	8	11	14	10	5	6	2	6	3	1	4	2	8	0	122
(1)	.61	.74	1.48	.54	.74	.94	.67	.34	.40	.13	.40	.20	.07	.27	.13	.54	.00	8.22
(2)	.25	.30	.60	.22	.30	.38	.27	.14	.16	.05	.16	.08	.03	.11	.05	.22	.00	3.35
2.1- 3.0	22	23	34	29	26	60	30	8	26	15	9	13	7	2	27	10	0	341
(1)	1.48	1.55	2.29	1.95	1.75	4.04	2.02	.54	1.75	1.01	.61	.88	.47	.13	1.82	.67	.00	22.98
(2)	.60	.63	.93	.80	.71	1.65	.82	.22	.71	.41	.25	.36	.19	.05	.74	.27	.00	9.37
3.1- 4.0	5	24	35	4	6	89	45	18	39	17	14	10	9	6	22	3	0	346
(1)	.34	1.62	2.36	.27	.40	6.00	3.03	1.21	2.63	1.15	.94	.67	.61	.40	1.48	.20	.00	23.32
(2)	.14	.66	.96	.11	.16	2.45	1.24	.49	1.07	.47	.38	.27	.25	.16	.60	.08	.00	9.51
4.1- 5.0	4	27	11	0	2	10	21	13	34	27	8	7	6	15	13	1	0	199
(1)	.27	1.82	.74	.00	.13	.67	1.42	.88	2.29	1.82	.54	.47	.40	1.01	.88	.07	.00	13.41
(2)	.11	.74	.30	.00	.05	.27	.58	.36	.93	.74	.22	.19	.16	.41	.36	.03	.00	5.47
5.1- 6.0	0	2	9	0	0	1	14	17	9	14	11	6	15	13	6	1	0	118
(1)	.00	.13	.61	.00	.00	.07	.94	1.15	.61	.94	.74	.40	1.01	.88	.40	.07	.00	7.95
(2)	.00	.05	.25	.00	.00	.03	.38	.47	.25	.38	.30	.16	.41	.36	.16	.03	.00	3.24
6.1- 8.0	0	1	0	0	0	0	0	11	0	3	2	18	31	24	3	0	0	93
(1)	.00	.07	.00	.00	.00	.00	.00	.74	.00	.20	.13	1.21	2.09	1.62	.20	.00	.00	6.27
(2)	.00	.03	.00	.00	.00	.00	.00	.30	.00	.08	.05	.49	.85	.66	.08	.00	.00	2.56
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	10	22	27	6	0	0	65
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.67	1.48	1.82	.40	.00	.00	4.38
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27	.60	.74	.16	.00	.00	1.79
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	2	49	31	2	0	0	84
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13	3.30	2.09	.13	.00	.00	5.66
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.35	.85	.05	.00	.00	2.31
ALL SPEEDS	46	91	125	63	56	193	129	78	119	79	50	70	142	126	83	34	0	1484
(1)	3.10	6.13	8.42	4.25	3.77	13.01	8.69	5.26	8.02	5.32	3.37	4.72	9.57	8.49	5.59	2.29	.00	100.00
(2)	1.26	2.50	3.44	1.73	1.54	5.31	3.55	2.14	3.27	2.17	1.37	1.92	3.90	3.46	2.28	.93	.00	40.79

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Table 2.3-48—{NMPNS 30 ft (9-m) 2001-2005 October JFD}

(Page 5 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 24.41

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	3	5	6	4	1	3	2	1	1	1	1	0	0	0	0	29
(1)	.11	.00	.34	.56	.68	.45	.11	.34	.23	.11	.11	.11	.11	.00	.00	.00	.00	3.27
(2)	.03	.00	.08	.14	.16	.11	.03	.08	.05	.03	.03	.03	.03	.00	.00	.00	.00	.80
1.1- 1.5	2	2	7	3	11	7	5	5	5	1	6	2	1	2	2	2	0	63
(1)	.23	.23	.79	.34	1.24	.79	.56	.56	.56	.11	.68	.23	.11	.23	.23	.23	.00	7.09
(2)	.05	.05	.19	.08	.30	.19	.14	.14	.14	.03	.16	.05	.03	.05	.05	.05	.00	1.73
1.6- 2.0	0	1	3	6	14	13	15	15	6	2	4	2	2	2	1	0	0	86
(1)	.00	.11	.34	.68	1.58	1.46	1.69	1.69	.68	.23	.45	.23	.23	.23	.11	.00	.00	9.68
(2)	.00	.03	.08	.16	.38	.36	.41	.41	.16	.05	.11	.05	.05	.05	.03	.00	.00	2.36
2.1- 3.0	2	0	3	6	7	33	75	40	37	21	14	7	6	3	0	1	0	255
(1)	.23	.00	.34	.68	.79	3.72	8.45	4.50	4.17	2.36	1.58	.79	.68	.34	.00	.11	.00	28.72
(2)	.05	.00	.08	.16	.19	.91	2.06	1.10	1.02	.58	.38	.19	.16	.08	.00	.03	.00	7.01
3.1- 4.0	0	0	0	0	0	8	53	55	79	36	15	11	6	1	0	0	0	264
(1)	.00	.00	.00	.00	.00	.90	5.97	6.19	8.90	4.05	1.69	1.24	.68	.11	.00	.00	.00	29.73
(2)	.00	.00	.00	.00	.00	.22	1.46	1.51	2.17	.99	.41	.30	.16	.03	.00	.00	.00	7.26
4.1- 5.0	0	0	0	0	0	0	24	25	43	10	5	5	1	4	1	0	0	118
(1)	.00	.00	.00	.00	.00	.00	2.70	2.82	4.84	1.13	.56	.56	.11	.45	.11	.00	.00	13.29
(2)	.00	.00	.00	.00	.00	.00	.66	.69	1.18	.27	.14	.14	.03	.11	.03	.00	.00	3.24
5.1- 6.0	0	0	0	0	0	0	3	1	6	3	4	7	4	0	0	0	0	28
(1)	.00	.00	.00	.00	.00	.00	.34	.11	.68	.34	.45	.79	.45	.00	.00	.00	.00	3.15
(2)	.00	.00	.00	.00	.00	.00	.08	.03	.16	.08	.11	.19	.11	.00	.00	.00	.00	.77
6.1- 8.0	0	0	0	0	0	0	1	1	0	0	1	6	0	7	0	0	0	16
(1)	.00	.00	.00	.00	.00	.00	.11	.11	.00	.00	.11	.68	.00	.79	.00	.00	.00	1.80
(2)	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.03	.16	.00	.19	.00	.00	.00	.44
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.34	.11	.00	.00	.00	.56
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.03	.00	.00	.00	.14
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	15	8	0	0	0	24
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	1.69	.90	.00	.00	.00	2.70
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.41	.22	.00	.00	.00	.66
ALL SPEEDS	5	3	16	20	38	65	177	145	178	74	50	43	39	28	4	3	0	888
(1)	.56	.34	1.80	2.25	4.28	7.32	19.93	16.33	20.05	8.33	5.63	4.84	4.39	3.15	.45	.34	.00	100.00
(2)	.14	.08	.44	.55	1.04	1.79	4.87	3.99	4.89	2.03	1.37	1.18	1.07	.77	.11	.08	.00	24.41

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Table 2.3-48—{NMPNS 30 ft (9-m) 2001-2005 October JFD}

(Page 6 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 6.90

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	5	1	4	4	1	0	0	1	0	1	0	0	0	18
(1)	.00	.00	.00	.40	1.99	.40	1.59	1.59	.40	.00	.00	.40	.00	.40	.00	.00	.00	7.17
(2)	.00	.00	.00	.03	.14	.03	.11	.11	.03	.00	.00	.03	.00	.03	.00	.00	.00	.49
1.1- 1.5	0	0	2	1	5	10	10	5	2	1	0	1	1	0	0	0	0	38
(1)	.00	.00	.80	.40	1.99	3.98	3.98	1.99	.80	.40	.00	.40	.40	.00	.00	.00	.00	15.14
(2)	.00	.00	.05	.03	.14	.27	.27	.14	.05	.03	.00	.03	.03	.00	.00	.00	.00	1.04
1.6- 2.0	1	0	0	0	5	13	8	10	6	0	0	1	2	0	0	0	0	46
(1)	.40	.00	.00	.00	1.99	5.18	3.19	3.98	2.39	.00	.00	.40	.80	.00	.00	.00	.00	18.33
(2)	.03	.00	.00	.00	.14	.36	.22	.27	.16	.00	.00	.03	.05	.00	.00	.00	.00	1.26
2.1- 3.0	0	0	0	0	0	12	31	22	27	9	2	3	0	0	0	0	0	106
(1)	.00	.00	.00	.00	.00	4.78	12.35	8.76	10.76	3.59	.80	1.20	.00	.00	.00	.00	.00	42.23
(2)	.00	.00	.00	.00	.00	.33	.85	.60	.74	.25	.05	.08	.00	.00	.00	.00	.00	2.91
3.1- 4.0	0	0	0	0	0	0	2	11	22	1	0	0	0	0	0	0	0	36
(1)	.00	.00	.00	.00	.00	.00	.80	4.38	8.76	.40	.00	.00	.00	.00	.00	.00	.00	14.34
(2)	.00	.00	.00	.00	.00	.00	.05	.30	.60	.03	.00	.00	.00	.00	.00	.00	.00	.99
4.1- 5.0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.40	.40	.00	.00	.00	.00	.00	.00	.00	.00	.80
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.05
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.40	.00	.00	.00	.00	.80
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.05
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.20	.00	.00	.00	.00	1.20
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00	.08
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1	0	2	2	15	36	55	53	59	11	3	6	7	1	0	0	0	251
(1)	.40	.00	.80	.80	5.98	14.34	21.91	21.12	23.51	4.38	1.20	2.39	2.79	.40	.00	.00	.00	100.00
(2)	.03	.00	.05	.05	.41	.99	1.51	1.46	1.62	.30	.08	.16	.19	.03	.00	.00	.00	6.90

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Table 2.3-48—{NMPNS 30 ft (9-m) 2001-2005 October JFD}

(Page 7 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 4.18

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.66	.66	.00	.00	.66	.00	.00	.00	.00	.00	.00	.00	1.97
(2)	.00	.00	.00	.00	.00	.03	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.08
1.1- 1.5	0	0	0	0	2	8	16	9	1	0	0	1	1	0	0	0	0	38
(1)	.00	.00	.00	.00	1.32	5.26	10.53	5.92	.66	.00	.00	.66	.66	.00	.00	.00	.00	25.00
(2)	.00	.00	.00	.00	.05	.22	.44	.25	.03	.00	.00	.03	.03	.00	.00	.00	.00	1.04
1.6- 2.0	0	0	0	0	1	9	22	7	3	0	0	1	0	0	0	0	0	43
(1)	.00	.00	.00	.00	.66	5.92	14.47	4.61	1.97	.00	.00	.66	.00	.00	.00	.00	.00	28.29
(2)	.00	.00	.00	.00	.03	.25	.60	.19	.08	.00	.00	.03	.00	.00	.00	.00	.00	1.18
2.1- 3.0	0	0	0	0	1	5	7	32	16	3	0	0	0	0	0	0	0	64
(1)	.00	.00	.00	.00	.66	3.29	4.61	21.05	10.53	1.97	.00	.00	.00	.00	.00	.00	.00	42.11
(2)	.00	.00	.00	.00	.03	.14	.19	.88	.44	.08	.00	.00	.00	.00	.00	.00	.00	1.76
3.1- 4.0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	1.97	.66	.00	.00	.00	.00	.00	.00	.00	.00	2.63
(2)	.00	.00	.00	.00	.00	.00	.00	.08	.03	.00	.00	.00	.00	.00	.00	.00	.00	.11
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	0	4	23	46	51	21	4	0	2	1	0	0	0	0	152
(1)	.00	.00	.00	.00	2.63	15.13	30.26	33.55	13.82	2.63	.00	1.32	.66	.00	.00	.00	.00	100.00
(2)	.00	.00	.00	.00	.11	.63	1.26	1.40	.58	.11	.00	.05	.03	.00	.00	.00	.00	4.18

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Table 2.3-48—{NMPNS 30 ft (9-m) 2001-2005 October JFD}

(Page 8 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	1	7	12	13	13	8	7	5	2	1	3	2	3	0	1	0	81
(1)	.08	.03	.19	.33	.36	.36	.22	.19	.14	.05	.03	.08	.05	.08	.00	.03	.00	2.23
(2)	.08	.03	.19	.33	.36	.36	.22	.19	.14	.05	.03	.08	.05	.08	.00	.03	.00	2.23
1.1- 1.5	7	4	20	20	27	37	38	25	12	3	6	4	5	7	5	12	0	232
(1)	.19	.11	.55	.55	.74	1.02	1.04	.69	.33	.08	.16	.11	.14	.19	.14	.33	.00	6.38
(2)	.19	.11	.55	.55	.74	1.02	1.04	.69	.33	.08	.16	.11	.14	.19	.14	.33	.00	6.38
1.6- 2.0	12	14	27	14	32	51	56	40	22	4	10	8	5	8	7	16	0	326
(1)	.33	.38	.74	.38	.88	1.40	1.54	1.10	.60	.11	.27	.22	.14	.22	.19	.44	.00	8.96
(2)	.33	.38	.74	.38	.88	1.40	1.54	1.10	.60	.11	.27	.22	.14	.22	.19	.44	.00	8.96
2.1- 3.0	48	42	50	40	38	122	149	106	114	53	28	32	17	15	32	25	0	911
(1)	1.32	1.15	1.37	1.10	1.04	3.35	4.10	2.91	3.13	1.46	.77	.88	.47	.41	.88	.69	.00	25.04
(2)	1.32	1.15	1.37	1.10	1.04	3.35	4.10	2.91	3.13	1.46	.77	.88	.47	.41	.88	.69	.00	25.04
3.1- 4.0	18	40	45	5	8	111	117	94	165	56	32	31	26	21	53	29	0	851
(1)	.49	1.10	1.24	.14	.22	3.05	3.22	2.58	4.54	1.54	.88	.85	.71	.58	1.46	.80	.00	23.39
(2)	.49	1.10	1.24	.14	.22	3.05	3.22	2.58	4.54	1.54	.88	.85	.71	.58	1.46	.80	.00	23.39
4.1- 5.0	18	38	19	0	2	14	57	44	84	40	14	20	18	28	30	10	0	436
(1)	.49	1.04	.52	.00	.05	.38	1.57	1.21	2.31	1.10	.38	.55	.49	.77	.82	.27	.00	11.98
(2)	.49	1.04	.52	.00	.05	.38	1.57	1.21	2.31	1.10	.38	.55	.49	.77	.82	.27	.00	11.98
5.1- 6.0	9	4	12	0	0	1	20	21	16	18	18	17	29	23	30	7	0	225
(1)	.25	.11	.33	.00	.00	.03	.55	.58	.44	.49	.49	.47	.80	.63	.82	.19	.00	6.18
(2)	.25	.11	.33	.00	.00	.03	.55	.58	.44	.49	.49	.47	.80	.63	.82	.19	.00	6.18
6.1- 8.0	11	10	10	0	0	0	1	12	0	3	3	26	53	53	43	6	0	231
(1)	.30	.27	.27	.00	.00	.00	.03	.33	.00	.08	.08	.71	1.46	1.46	1.18	.16	.00	6.35
(2)	.30	.27	.27	.00	.00	.00	.03	.33	.00	.08	.08	.71	1.46	1.46	1.18	.16	.00	6.35
8.1-10.0	0	12	1	0	0	0	0	0	0	0	0	12	34	45	17	0	0	121
(1)	.00	.33	.03	.00	.00	.00	.00	.00	.00	.00	.00	.33	.93	1.24	.47	.00	.00	3.33
(2)	.00	.33	.03	.00	.00	.00	.00	.00	.00	.00	.00	.33	.93	1.24	.47	.00	.00	3.33
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	10	127	85	2	0	0	224
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27	3.49	2.34	.05	.00	.00	6.16
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27	3.49	2.34	.05	.00	.00	6.16
ALL SPEEDS	126	165	191	91	120	349	446	349	418	179	112	163	316	288	219	106	0	3638
(1)	3.46	4.54	5.25	2.50	3.30	9.59	12.26	9.59	11.49	4.92	3.08	4.48	8.69	7.92	6.02	2.91	.00	100.00
(2)	3.46	4.54	5.25	2.50	3.30	9.59	12.26	9.59	11.49	4.92	3.08	4.48	8.69	7.92	6.02	2.91	.00	100.00

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Table 2.3-49—{NMPNS 30 ft (9-m) 2001-2005 November JFD}

(Page 1 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 7.14

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3
(1)	.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00	1.19
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.08
2.1- 3.0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5
(1)	1.19	.00	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00	1.98
(2)	.08	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.14
3.1- 4.0	3	1	0	0	0	1	1	0	0	0	1	0	0	0	4	0	0	11
(1)	1.19	.40	.00	.00	.00	.40	.40	.00	.00	.00	.40	.00	.00	.00	1.58	.00	.00	4.35
(2)	.08	.03	.00	.00	.00	.03	.03	.00	.00	.00	.03	.00	.00	.00	.11	.00	.00	.31
4.1- 5.0	6	3	1	0	0	0	0	0	0	0	1	0	0	0	1	3	0	15
(1)	2.37	1.19	.40	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00	.00	.40	1.19	.00	5.93
(2)	.17	.08	.03	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.08	.00	.42
5.1- 6.0	9	1	1	0	0	0	0	0	0	0	0	1	0	0	5	1	0	18
(1)	3.56	.40	.40	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00	1.98	.40	.00	7.11
(2)	.25	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.14	.03	.00	.51
6.1- 8.0	8	0	0	0	0	1	0	0	0	0	0	1	4	2	11	12	0	39
(1)	3.16	.00	.00	.00	.00	.40	.00	.00	.00	.00	.00	.40	1.58	.79	4.35	4.74	.00	15.42
(2)	.23	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03	.11	.06	.31	.34	.00	1.10
8.1-10.0	6	0	0	0	0	0	0	0	0	0	0	6	1	6	27	7	0	53
(1)	2.37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.37	.40	2.37	10.67	2.77	.00	20.95
(2)	.17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.03	.17	.76	.20	.00	1.50
10.1-40.3	3	0	0	0	0	0	0	0	0	0	0	7	17	54	28	0	0	109
(1)	1.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.77	6.72	21.34	11.07	.00	.00	43.08
(2)	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.48	1.52	.79	.00	.00	3.08
ALL SPEEDS	40	5	3	0	0	2	1	0	0	0	2	15	22	62	78	23	0	253
(1)	15.81	1.98	1.19	.00	.00	.79	.40	.00	.00	.00	.79	5.93	8.70	24.51	30.83	9.09	.00	100.00
(2)	1.13	.14	.08	.00	.00	.06	.03	.00	.00	.00	.06	.42	.62	1.75	2.20	.65	.00	7.14

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Table 2.3-49—{NMPNS 30 ft (9-m) 2001-2005 November JFD}

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NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.39

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.52	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
2.1- 3.0	0	3	0	0	1	1	0	0	0	1	0	1	0	1	3	0	0	11
(1)	.00	1.57	.00	.00	.52	.52	.00	.00	.00	.52	.00	.52	.00	.52	1.57	.00	.00	5.76
(2)	.00	.08	.00	.00	.03	.03	.00	.00	.00	.03	.00	.03	.00	.03	.08	.00	.00	.31
3.1- 4.0	0	1	0	0	0	0	0	0	0	1	0	1	0	2	6	7	0	18
(1)	.00	.52	.00	.00	.00	.00	.00	.00	.00	.52	.00	.52	.00	1.05	3.14	3.66	.00	9.42
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.06	.17	.20	.00	.51
4.1- 5.0	3	4	1	0	0	0	1	1	0	2	0	0	0	1	4	7	0	24
(1)	1.57	2.09	.52	.00	.00	.00	.52	.52	.00	1.05	.00	.00	.00	.52	2.09	3.66	.00	12.57
(2)	.08	.11	.03	.00	.00	.00	.03	.03	.00	.06	.00	.00	.00	.03	.11	.20	.00	.68
5.1- 6.0	1	0	1	0	0	0	1	0	0	0	0	0	0	3	8	6	0	20
(1)	.52	.00	.52	.00	.00	.00	.52	.00	.00	.00	.00	.00	.00	1.57	4.19	3.14	.00	10.47
(2)	.03	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.08	.23	.17	.00	.56
6.1- 8.0	2	0	0	0	0	2	0	0	0	0	0	2	2	7	26	15	0	56
(1)	1.05	.00	.00	.00	.00	1.05	.00	.00	.00	.00	.00	1.05	1.05	3.66	13.61	7.85	.00	29.32
(2)	.06	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.06	.06	.20	.73	.42	.00	1.58
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	10	1	5	9	2	0	27
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.24	.52	2.62	4.71	1.05	.00	14.14
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.03	.14	.25	.06	.00	.76
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	5	7	14	8	0	0	34
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.62	3.66	7.33	4.19	.00	.00	17.80
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.20	.40	.23	.00	.00	.96
ALL SPEEDS	6	8	2	0	2	3	2	1	0	4	0	19	10	33	64	37	0	191
(1)	3.14	4.19	1.05	.00	1.05	1.57	1.05	.52	.00	2.09	.00	9.95	5.24	17.28	33.51	19.37	.00	100.00
(2)	.17	.23	.06	.00	.06	.08	.06	.03	.00	.11	.00	.54	.28	.93	1.81	1.04	.00	5.39

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Table 2.3-49—{NMPNS 30 ft (9-m) 2001-2005 November JFD}

(Page 3 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.11

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	2	0	0	6
(1)	.00	.00	.40	.40	.40	.00	.00	.00	.00	.00	.00	.00	.40	.00	.79	.00	.00	2.38
(2)	.00	.00	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.03	.00	.06	.00	.00	.17
2.1- 3.0	0	0	0	1	0	3	0	1	0	2	0	1	1	0	3	0	0	12
(1)	.00	.00	.00	.40	.00	1.19	.00	.40	.00	.79	.00	.40	.40	.00	1.19	.00	.00	4.76
(2)	.00	.00	.00	.03	.00	.08	.00	.03	.00	.06	.00	.03	.03	.00	.08	.00	.00	.34
3.1- 4.0	3	4	4	0	0	0	0	3	3	2	1	2	3	2	1	5	0	33
(1)	1.19	1.59	1.59	.00	.00	.00	.00	1.19	1.19	.79	.40	.79	1.19	.79	.40	1.98	.00	13.10
(2)	.08	.11	.11	.00	.00	.00	.00	.08	.08	.06	.03	.06	.08	.06	.03	.14	.00	.93
4.1- 5.0	7	6	5	0	0	0	1	6	3	1	0	1	0	0	10	6	0	46
(1)	2.78	2.38	1.98	.00	.00	.00	.40	2.38	1.19	.40	.00	.40	.00	.00	3.97	2.38	.00	18.25
(2)	.20	.17	.14	.00	.00	.00	.03	.17	.08	.03	.00	.03	.00	.00	.28	.17	.00	1.30
5.1- 6.0	0	1	0	0	0	0	2	2	0	0	1	3	0	3	12	4	0	28
(1)	.00	.40	.00	.00	.00	.00	.79	.79	.00	.00	.40	1.19	.00	1.19	4.76	1.59	.00	11.11
(2)	.00	.03	.00	.00	.00	.00	.06	.06	.00	.00	.03	.08	.00	.08	.34	.11	.00	.79
6.1- 8.0	0	0	0	0	0	0	1	0	0	0	0	2	7	8	22	17	0	57
(1)	.00	.00	.00	.00	.00	.00	.40	.00	.00	.00	.00	.79	2.78	3.17	8.73	6.75	.00	22.62
(2)	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06	.20	.23	.62	.48	.00	1.61
8.1-10.0	0	0	0	0	0	0	0	0	0	0	1	5	7	8	10	1	0	32
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	1.98	2.78	3.17	3.97	.40	.00	12.70
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.14	.20	.23	.28	.03	.00	.90
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	2	10	23	3	0	0	38
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.79	3.97	9.13	1.19	.00	.00	15.08
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.28	.65	.08	.00	.00	1.07
ALL SPEEDS	10	11	10	2	1	3	4	12	6	5	3	16	29	44	63	33	0	252
(1)	3.97	4.37	3.97	.79	.40	1.19	1.59	4.76	2.38	1.98	1.19	6.35	11.51	17.46	25.00	13.10	.00	100.00
(2)	.28	.31	.28	.06	.03	.08	.11	.34	.17	.14	.08	.45	.82	1.24	1.78	.93	.00	7.11

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Table 2.3-49—{NMPNS 30 ft (9-m) 2001-2005 November JFD}

(Page 4 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 49.92

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	2	2	3	3	0	2	1	0	1	1	0	0	1	0	0	0	17
(1)	.06	.11	.11	.17	.17	.00	.11	.06	.00	.06	.06	.00	.00	.06	.00	.00	.00	.96
(2)	.03	.06	.06	.08	.08	.00	.06	.03	.00	.03	.03	.00	.00	.03	.00	.00	.00	.48
1.1- 1.5	0	3	2	8	9	9	6	3	5	2	1	3	0	2	2	0	0	55
(1)	.00	.17	.11	.45	.51	.51	.34	.17	.28	.11	.06	.17	.00	.11	.11	.00	.00	3.11
(2)	.00	.08	.06	.23	.25	.25	.17	.08	.14	.06	.03	.08	.00	.06	.06	.00	.00	1.55
1.6- 2.0	2	2	5	12	16	12	17	8	5	3	4	4	1	4	1	2	0	98
(1)	.11	.11	.28	.68	.90	.68	.96	.45	.28	.17	.23	.23	.06	.23	.06	.11	.00	5.54
(2)	.06	.06	.14	.34	.45	.34	.48	.23	.14	.08	.11	.11	.03	.11	.03	.06	.00	2.77
2.1- 3.0	8	12	40	30	17	29	26	33	40	25	12	15	8	10	19	8	0	332
(1)	.45	.68	2.26	1.70	.96	1.64	1.47	1.87	2.26	1.41	.68	.85	.45	.57	1.07	.45	.00	18.77
(2)	.23	.34	1.13	.85	.48	.82	.73	.93	1.13	.71	.34	.42	.23	.28	.54	.23	.00	9.37
3.1- 4.0	7	19	37	5	4	30	50	29	64	41	15	15	15	16	24	10	0	381
(1)	.40	1.07	2.09	.28	.23	1.70	2.83	1.64	3.62	2.32	.85	.85	.85	.90	1.36	.57	.00	21.54
(2)	.20	.54	1.04	.14	.11	.85	1.41	.82	1.81	1.16	.42	.42	.42	.45	.68	.28	.00	10.75
4.1- 5.0	9	3	18	0	0	14	62	26	42	23	31	13	14	12	17	11	0	295
(1)	.51	.17	1.02	.00	.00	.79	3.50	1.47	2.37	1.30	1.75	.73	.79	.68	.96	.62	.00	16.68
(2)	.25	.08	.51	.00	.00	.40	1.75	.73	1.19	.65	.87	.37	.40	.34	.48	.31	.00	8.32
5.1- 6.0	2	0	4	0	0	0	35	31	21	5	22	19	23	12	16	5	0	195
(1)	.11	.00	.23	.00	.00	.00	1.98	1.75	1.19	.28	1.24	1.07	1.30	.68	.90	.28	.00	11.02
(2)	.06	.00	.11	.00	.00	.00	.99	.87	.59	.14	.62	.54	.65	.34	.45	.14	.00	5.50
6.1- 8.0	1	0	0	0	0	3	13	23	5	1	9	19	61	36	25	2	0	198
(1)	.06	.00	.00	.00	.00	.17	.73	1.30	.28	.06	.51	1.07	3.45	2.04	1.41	.11	.00	11.19
(2)	.03	.00	.00	.00	.00	.08	.37	.65	.14	.03	.25	.54	1.72	1.02	.71	.06	.00	5.59
8.1-10.0	1	0	0	0	0	0	1	6	0	0	3	11	27	28	12	0	0	89
(1)	.06	.00	.00	.00	.00	.00	.06	.34	.00	.00	.17	.62	1.53	1.58	.68	.00	.00	5.03
(2)	.03	.00	.00	.00	.00	.00	.03	.17	.00	.00	.08	.31	.76	.79	.34	.00	.00	2.51
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	20	57	28	4	0	0	109
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.13	3.22	1.58	.23	.00	.00	6.16
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.56	1.61	.79	.11	.00	.00	3.08
ALL SPEEDS	31	41	108	58	49	97	212	160	182	101	98	119	206	149	120	38	0	1769
(1)	1.75	2.32	6.11	3.28	2.77	5.48	11.98	9.04	10.29	5.71	5.54	6.73	11.65	8.42	6.78	2.15	.00	100.00
(2)	.87	1.16	3.05	1.64	1.38	2.74	5.98	4.51	5.14	2.85	2.77	3.36	5.81	4.20	3.39	1.07	.00	49.92

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Table 2.3-49—{NMPNS 30 ft (9-m) 2001-2005 November JFD}

(Page 5 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 25.40

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	1	1	5	3	4	0	0	3	1	1	0	0	0	0	0	19
(1)	.00	.00	.11	.11	.56	.33	.44	.00	.00	.33	.11	.11	.00	.00	.00	.00	.00	2.11
(2)	.00	.00	.03	.03	.14	.08	.11	.00	.00	.08	.03	.03	.00	.00	.00	.00	.00	.54
1.1- 1.5	2	1	2	2	10	9	10	4	5	2	2	1	1	2	0	0	0	53
(1)	.22	.11	.22	.22	1.11	1.00	1.11	.44	.56	.22	.22	.11	.11	.22	.00	.00	.00	5.89
(2)	.06	.03	.06	.06	.28	.25	.28	.11	.14	.06	.06	.03	.03	.06	.00	.00	.00	1.50
1.6- 2.0	0	0	0	2	15	17	13	18	9	3	5	0	1	1	0	0	0	84
(1)	.00	.00	.00	.22	1.67	1.89	1.44	2.00	1.00	.33	.56	.00	.11	.11	.00	.00	.00	9.33
(2)	.00	.00	.00	.06	.42	.48	.37	.51	.25	.08	.14	.00	.03	.03	.00	.00	.00	2.37
2.1- 3.0	1	0	1	2	4	27	46	60	59	16	17	17	0	2	0	0	0	252
(1)	.11	.00	.11	.22	.44	3.00	5.11	6.67	6.56	1.78	1.89	1.89	.00	.22	.00	.00	.00	28.00
(2)	.03	.00	.03	.06	.11	.76	1.30	1.69	1.66	.45	.48	.48	.00	.06	.00	.00	.00	7.11
3.1- 4.0	0	0	0	0	0	9	58	60	88	29	17	23	2	0	1	0	0	287
(1)	.00	.00	.00	.00	.00	1.00	6.44	6.67	9.78	3.22	1.89	2.56	.22	.00	.11	.00	.00	31.89
(2)	.00	.00	.00	.00	.00	.25	1.64	1.69	2.48	.82	.48	.65	.06	.00	.03	.00	.00	8.10
4.1- 5.0	0	0	0	0	0	1	31	30	15	10	11	18	3	0	0	0	0	119
(1)	.00	.00	.00	.00	.00	.11	3.44	3.33	1.67	1.11	1.22	2.00	.33	.00	.00	.00	.00	13.22
(2)	.00	.00	.00	.00	.00	.03	.87	.85	.42	.28	.31	.51	.08	.00	.00	.00	.00	3.36
5.1- 6.0	0	0	0	0	0	1	16	11	8	0	1	8	2	0	0	0	0	47
(1)	.00	.00	.00	.00	.00	.11	1.78	1.22	.89	.00	.11	.89	.22	.00	.00	.00	.00	5.22
(2)	.00	.00	.00	.00	.00	.03	.45	.31	.23	.00	.03	.23	.06	.00	.00	.00	.00	1.33
6.1- 8.0	0	0	0	0	0	0	1	10	1	0	0	6	4	1	0	0	0	23
(1)	.00	.00	.00	.00	.00	.00	.11	1.11	.11	.00	.00	.67	.44	.11	.00	.00	.00	2.56
(2)	.00	.00	.00	.00	.00	.00	.03	.28	.03	.00	.00	.17	.11	.03	.00	.00	.00	.65
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	3	5	1	1	1	0	11
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33	.56	.11	.11	.11	.00	1.22
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.14	.03	.03	.03	.00	.31
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.44	.00	.00	.00	.00	.56
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.11	.00	.00	.00	.00	.14
ALL SPEEDS	3	1	4	7	34	67	179	193	185	63	54	78	22	7	2	1	0	900
(1)	.33	.11	.44	.78	3.78	7.44	19.89	21.44	20.56	7.00	6.00	8.67	2.44	.78	.22	.11	.00	100.00
(2)	.08	.03	.11	.20	.96	1.89	5.05	5.45	5.22	1.78	1.52	2.20	.62	.20	.06	.03	.00	25.40

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Table 2.3-49—{NMPNS 30 ft (9-m) 2001-2005 November JFD}

(Page 6 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 3.67

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	1	0	2	0	0	1	1	0	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.77	.00	1.54	.00	.00	.77	.77	.00	.00	.00	.00	.00	.00	3.85
(2)	.00	.00	.00	.00	.03	.00	.06	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.14
1.1- 1.5	0	0	2	0	5	3	4	5	0	0	0	0	0	0	0	0	0	19
(1)	.00	.00	1.54	.00	3.85	2.31	3.08	3.85	.00	.00	.00	.00	.00	.00	.00	.00	.00	14.62
(2)	.00	.00	.06	.00	.14	.08	.11	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.54
1.6- 2.0	0	0	0	0	3	4	8	10	3	1	1	1	0	0	0	0	0	31
(1)	.00	.00	.00	.00	2.31	3.08	6.15	7.69	2.31	.77	.77	.77	.00	.00	.00	.00	.00	23.85
(2)	.00	.00	.00	.00	.08	.11	.23	.28	.08	.03	.03	.03	.00	.00	.00	.00	.00	.87
2.1- 3.0	0	0	0	0	1	3	9	21	21	3	1	0	2	0	0	0	0	61
(1)	.00	.00	.00	.00	.77	2.31	6.92	16.15	16.15	2.31	.77	.00	1.54	.00	.00	.00	.00	46.92
(2)	.00	.00	.00	.00	.03	.08	.25	.59	.59	.08	.03	.00	.06	.00	.00	.00	.00	1.72
3.1- 4.0	0	0	0	0	0	0	1	9	3	0	0	1	0	0	0	0	0	14
(1)	.00	.00	.00	.00	.00	.00	.77	6.92	2.31	.00	.00	.77	.00	.00	.00	.00	.00	10.77
(2)	.00	.00	.00	.00	.00	.00	.03	.25	.08	.00	.00	.03	.00	.00	.00	.00	.00	.40
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	2	0	10	10	24	45	27	5	3	2	2	0	0	0	0	130
(1)	.00	.00	1.54	.00	7.69	7.69	18.46	34.62	20.77	3.85	2.31	1.54	1.54	.00	.00	.00	.00	100.00
(2)	.00	.00	.06	.00	.28	.28	.68	1.27	.76	.14	.08	.06	.06	.00	.00	.00	.00	3.67

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Table 2.3-49—{NMPNS 30 ft (9-m) 2001-2005 November JFD}

(Page 7 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.38

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	2.04	.00	2.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.08
(2)	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
1.1- 1.5	0	0	0	0	2	2	6	2	0	0	0	0	0	0	0	0	0	12
(1)	.00	.00	.00	.00	4.08	4.08	12.24	4.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	24.49
(2)	.00	.00	.00	.00	.06	.06	.17	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.34
1.6- 2.0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	4.08	8.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	12.24
(2)	.00	.00	.00	.00	.00	.00	.06	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17
2.1- 3.0	0	0	0	0	0	0	1	12	15	0	0	0	0	0	0	0	0	28
(1)	.00	.00	.00	.00	.00	.00	2.04	24.49	30.61	.00	.00	.00	.00	.00	.00	.00	.00	57.14
(2)	.00	.00	.00	.00	.00	.00	.03	.34	.42	.00	.00	.00	.00	.00	.00	.00	.00	.79
3.1- 4.0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	2.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.04
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	0	2	3	9	20	15	0	0	0	0	0	0	0	0	49
(1)	.00	.00	.00	.00	4.08	6.12	18.37	40.82	30.61	.00	.00	.00	.00	.00	.00	.00	.00	100.00
(2)	.00	.00	.00	.00	.06	.08	.25	.56	.42	.00	.00	.00	.00	.00	.00	.00	.00	1.38

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Table 2.3-49—{NMPNS 30 ft (9-m) 2001-2005 November JFD}

(Page 8 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	2	3	4	9	4	8	2	0	5	3	1	0	1	0	0	0	43
(1)	.03	.06	.08	.11	.25	.11	.23	.06	.00	.14	.08	.03	.00	.03	.00	.00	.00	1.21
(2)	.03	.06	.08	.11	.25	.11	.23	.06	.00	.14	.08	.03	.00	.03	.00	.00	.00	1.21
1.1- 1.5	2	4	6	10	26	23	26	14	10	4	3	4	1	4	2	0	0	139
(1)	.06	.11	.17	.28	.73	.65	.73	.40	.28	.11	.08	.11	.03	.11	.06	.00	.00	3.92
(2)	.06	.11	.17	.28	.73	.65	.73	.40	.28	.11	.08	.11	.03	.11	.06	.00	.00	3.92
1.6- 2.0	4	2	6	15	36	33	40	40	17	7	10	5	3	5	4	2	0	229
(1)	.11	.06	.17	.42	1.02	.93	1.13	1.13	.48	.20	.28	.14	.08	.14	.11	.06	.00	6.46
(2)	.11	.06	.17	.42	1.02	.93	1.13	1.13	.48	.20	.28	.14	.08	.14	.11	.06	.00	6.46
2.1- 3.0	12	15	42	33	23	63	82	127	135	47	30	34	11	13	26	8	0	701
(1)	.34	.42	1.19	.93	.65	1.78	2.31	3.58	3.81	1.33	.85	.96	.31	.37	.73	.23	.00	19.78
(2)	.34	.42	1.19	.93	.65	1.78	2.31	3.58	3.81	1.33	.85	.96	.31	.37	.73	.23	.00	19.78
3.1- 4.0	13	25	41	5	4	40	110	102	158	73	34	42	20	20	36	22	0	745
(1)	.37	.71	1.16	.14	.11	1.13	3.10	2.88	4.46	2.06	.96	1.19	.56	.56	1.02	.62	.00	21.02
(2)	.37	.71	1.16	.14	.11	1.13	3.10	2.88	4.46	2.06	.96	1.19	.56	.56	1.02	.62	.00	21.02
4.1- 5.0	25	16	25	0	0	15	95	63	60	36	43	32	17	13	32	27	0	499
(1)	.71	.45	.71	.00	.00	.42	2.68	1.78	1.69	1.02	1.21	.90	.48	.37	.90	.76	.00	14.08
(2)	.71	.45	.71	.00	.00	.42	2.68	1.78	1.69	1.02	1.21	.90	.48	.37	.90	.76	.00	14.08
5.1- 6.0	12	2	6	0	0	1	54	44	29	5	24	31	25	18	41	16	0	308
(1)	.34	.06	.17	.00	.00	.03	1.52	1.24	.82	.14	.68	.87	.71	.51	1.16	.45	.00	8.69
(2)	.34	.06	.17	.00	.00	.03	1.52	1.24	.82	.14	.68	.87	.71	.51	1.16	.45	.00	8.69
6.1- 8.0	11	0	0	0	0	6	15	33	6	1	9	30	78	54	84	46	0	373
(1)	.31	.00	.00	.00	.00	.17	.42	.93	.17	.03	.25	.85	2.20	1.52	2.37	1.30	.00	10.52
(2)	.31	.00	.00	.00	.00	.17	.42	.93	.17	.03	.25	.85	2.20	1.52	2.37	1.30	.00	10.52
8.1-10.0	7	0	0	0	0	0	1	6	0	0	4	35	41	48	59	11	0	212
(1)	.20	.00	.00	.00	.00	.00	.03	.17	.00	.00	.11	.99	1.16	1.35	1.66	.31	.00	5.98
(2)	.20	.00	.00	.00	.00	.00	.03	.17	.00	.00	.11	.99	1.16	1.35	1.66	.31	.00	5.98
10.1-40.3	3	0	0	0	0	0	0	0	0	0	0	35	95	119	43	0	0	295
(1)	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.99	2.68	3.36	1.21	.00	.00	8.32
(2)	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.99	2.68	3.36	1.21	.00	.00	8.32
ALL SPEEDS	90	66	129	67	98	185	431	431	415	178	160	249	291	295	327	132	0	3544
(1)	2.54	1.86	3.64	1.89	2.77	5.22	12.16	12.16	11.71	5.02	4.51	7.03	8.21	8.32	9.23	3.72	.00	100.00
(2)	2.54	1.86	3.64	1.89	2.77	5.22	12.16	12.16	11.71	5.02	4.51	7.03	8.21	8.32	9.23	3.72	.00	100.00

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Table 2.3-50—{NMPNS 30 ft (9-m) 2001-2005 December JFD}

(Page 1 of 8)

NMP DEC MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 5.26

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4
(1)	.00	.52	1.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	.00	.00	2.07
(2)	.00	.03	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.11
3.1- 4.0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.52	.52	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.04
(2)	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
4.1- 5.0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	6
(1)	.52	.52	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.55	.52	.00	3.11
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.03	.00	.16
5.1- 6.0	8	4	0	0	0	0	0	0	1	0	0	0	0	0	0	10	0	23
(1)	4.15	2.07	.00	.00	.00	.00	.00	.00	.52	.00	.00	.00	.00	.00	.00	5.18	.00	11.92
(2)	.22	.11	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.27	.00	.63
6.1- 8.0	30	1	0	0	0	0	0	0	0	0	0	1	0	4	18	16	0	70
(1)	15.54	.52	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	.00	2.07	9.33	8.29	.00	36.27
(2)	.82	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.11	.49	.44	.00	1.91
8.1-10.0	9	0	0	0	0	0	0	0	0	0	0	0	0	11	11	4	0	35
(1)	4.66	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.70	5.70	2.07	.00	18.13
(2)	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.30	.11	.00	.95
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	8	34	8	2	0	53
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	4.15	17.62	4.15	1.04	.00	27.46
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.22	.93	.22	.05	.00	1.44
ALL SPEEDS	48	8	3	0	0	0	0	0	1	0	0	2	8	49	41	33	0	193
(1)	24.87	4.15	1.55	.00	.00	.00	.00	.00	.52	.00	.00	1.04	4.15	25.39	21.24	17.10	.00	100.00
(2)	1.31	.22	.08	.00	.00	.00	.00	.00	.03	.00	.00	.05	.22	1.33	1.12	.90	.00	5.26

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Table 2.3-50—{NMPNS 30 ft (9-m) 2001-2005 December JFD}

(Page 2 of 8)

NMP DEC MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.36

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	0	1	1	0	1	0	0	0	0	0	0	0	1	1	0	0	5
(1)	.00	.00	.63	.63	.00	.63	.00	.00	.00	.00	.00	.00	.00	.63	.63	.00	.00	3.13
(2)	.00	.00	.03	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.14
3.1- 4.0	0	1	2	0	0	0	1	0	0	0	0	0	0	1	4	0	0	9
(1)	.00	.63	1.25	.00	.00	.00	.63	.00	.00	.00	.00	.00	.00	.63	2.50	.00	.00	5.63
(2)	.00	.03	.05	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.11	.00	.00	.25
4.1- 5.0	2	4	0	0	0	0	1	0	0	0	0	0	0	0	9	5	0	21
(1)	1.25	2.50	.00	.00	.00	.00	.63	.00	.00	.00	.00	.00	.00	.00	5.63	3.13	.00	13.13
(2)	.05	.11	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.25	.14	.00	.57
5.1- 6.0	9	5	1	0	0	0	0	0	0	0	0	0	0	1	6	4	0	26
(1)	5.63	3.13	.63	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.63	3.75	2.50	.00	16.25
(2)	.25	.14	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.16	.11	.00	.71
6.1- 8.0	5	4	1	0	0	0	0	0	0	0	0	0	0	5	24	12	0	51
(1)	3.13	2.50	.63	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.13	15.00	7.50	.00	31.88
(2)	.14	.11	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.65	.33	.00	1.39
8.1-10.0	1	0	0	0	0	0	0	0	0	0	0	4	0	2	11	0	0	18
(1)	.63	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.50	.00	1.25	6.88	.00	.00	11.25
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.05	.30	.00	.00	.49
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	6	2	11	11	0	0	30
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.75	1.25	6.88	6.88	.00	.00	18.75
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.05	.30	.30	.00	.00	.82
ALL SPEEDS	17	14	5	1	0	1	2	0	0	0	0	10	2	21	66	21	0	160
(1)	10.63	8.75	3.13	.63	.00	.63	1.25	.00	.00	.00	.00	6.25	1.25	13.13	41.25	13.13	.00	100.00
(2)	.46	.38	.14	.03	.00	.03	.05	.00	.00	.00	.00	.27	.05	.57	1.80	.57	.00	4.36

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Table 2.3-50—{NMPNS 30 ft (9-m) 2001-2005 December JFD}

(Page 3 of 8)

NMP DEC MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.16

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.38
(2)	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.6- 2.0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.38	.00	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.76
(2)	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
2.1- 3.0	0	1	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	5
(1)	.00	.38	1.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.38	.00	.00	.00	1.90
(2)	.00	.03	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.14
3.1- 4.0	3	4	1	1	0	2	0	0	0	0	1	1	0	1	1	2	0	17
(1)	1.14	1.52	.38	.38	.00	.76	.00	.00	.00	.00	.38	.38	.00	.38	.38	.76	.00	6.46
(2)	.08	.11	.03	.03	.00	.05	.00	.00	.00	.00	.03	.03	.00	.03	.03	.05	.00	.46
4.1- 5.0	8	6	0	0	0	1	0	0	1	1	0	1	0	0	6	10	0	34
(1)	3.04	2.28	.00	.00	.00	.38	.00	.00	.38	.38	.00	.38	.00	.00	2.28	3.80	.00	12.93
(2)	.22	.16	.00	.00	.00	.03	.00	.00	.03	.03	.00	.03	.00	.00	.16	.27	.00	.93
5.1- 6.0	5	5	5	0	0	0	1	0	0	0	0	2	0	6	17	8	0	49
(1)	1.90	1.90	1.90	.00	.00	.00	.38	.00	.00	.00	.00	.76	.00	2.28	6.46	3.04	.00	18.63
(2)	.14	.14	.14	.00	.00	.00	.03	.00	.00	.00	.00	.05	.00	.16	.46	.22	.00	1.33
6.1- 8.0	1	13	6	0	0	0	0	0	1	0	0	6	0	9	24	15	0	75
(1)	.38	4.94	2.28	.00	.00	.00	.00	.00	.38	.00	.00	2.28	.00	3.42	9.13	5.70	.00	28.52
(2)	.03	.35	.16	.00	.00	.00	.00	.00	.03	.00	.00	.16	.00	.25	.65	.41	.00	2.04
8.1-10.0	1	0	0	0	0	0	0	0	0	0	1	3	1	1	11	0	0	18
(1)	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.38	1.14	.38	.38	4.18	.00	.00	6.84
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.03	.03	.30	.00	.00	.49
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	28	12	21	1	0	0	62
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	10.65	4.56	7.98	.38	.00	.00	23.57
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.76	.33	.57	.03	.00	.00	1.69
ALL SPEEDS	18	29	16	1	1	4	1	0	2	1	2	41	13	39	60	35	0	263
(1)	6.84	11.03	6.08	.38	.38	1.52	.38	.00	.76	.38	.76	15.59	4.94	14.83	22.81	13.31	.00	100.00
(2)	.49	.79	.44	.03	.03	.11	.03	.00	.05	.03	.05	1.12	.35	1.06	1.63	.95	.00	7.16

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Table 2.3-50—{NMPNS 30 ft (9-m) 2001-2005 December JFD}

(Page 4 of 8)

NMP DEC MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 57.92

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	0	3	1	0	1	0	0	0	0	0	0	0	0	0	0	6
(1)	.00	.05	.00	.14	.05	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28
(2)	.00	.03	.00	.08	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16
1.1- 1.5	1	0	3	7	12	5	13	8	1	0	1	0	0	1	0	1	0	53
(1)	.05	.00	.14	.33	.56	.24	.61	.38	.05	.00	.05	.00	.00	.05	.00	.05	.00	2.49
(2)	.03	.00	.08	.19	.33	.14	.35	.22	.03	.00	.03	.00	.00	.03	.00	.03	.00	1.44
1.6- 2.0	1	3	6	24	24	35	14	12	9	0	1	3	0	0	4	0	0	136
(1)	.05	.14	.28	1.13	1.13	1.65	.66	.56	.42	.00	.05	.14	.00	.00	.19	.00	.00	6.39
(2)	.03	.08	.16	.65	.65	.95	.38	.33	.25	.00	.03	.08	.00	.00	.11	.00	.00	3.70
2.1- 3.0	6	16	40	17	35	67	54	39	54	51	10	4	6	8	12	15	0	434
(1)	.28	.75	1.88	.80	1.65	3.15	2.54	1.83	2.54	2.40	.47	.19	.28	.38	.56	.71	.00	20.40
(2)	.16	.44	1.09	.46	.95	1.82	1.47	1.06	1.47	1.39	.27	.11	.16	.22	.33	.41	.00	11.82
3.1- 4.0	7	15	20	1	15	44	68	17	74	109	28	9	5	5	14	21	0	452
(1)	.33	.71	.94	.05	.71	2.07	3.20	.80	3.48	5.12	1.32	.42	.24	.24	.66	.99	.00	21.25
(2)	.19	.41	.54	.03	.41	1.20	1.85	.46	2.02	2.97	.76	.25	.14	.14	.38	.57	.00	12.31
4.1- 5.0	10	8	11	0	1	24	50	32	30	81	52	10	6	15	21	14	0	365
(1)	.47	.38	.52	.00	.05	1.13	2.35	1.50	1.41	3.81	2.44	.47	.28	.71	.99	.66	.00	17.16
(2)	.27	.22	.30	.00	.03	.65	1.36	.87	.82	2.21	1.42	.27	.16	.41	.57	.38	.00	9.94
5.1- 6.0	2	8	3	0	0	7	20	3	12	15	41	12	6	7	20	11	0	167
(1)	.09	.38	.14	.00	.00	.33	.94	.14	.56	.71	1.93	.56	.28	.33	.94	.52	.00	7.85
(2)	.05	.22	.08	.00	.00	.19	.54	.08	.33	.41	1.12	.33	.16	.19	.54	.30	.00	4.55
6.1- 8.0	1	1	0	0	0	5	6	3	2	2	22	40	21	15	34	12	0	164
(1)	.05	.05	.00	.00	.00	.24	.28	.14	.09	.09	1.03	1.88	.99	.71	1.60	.56	.00	7.71
(2)	.03	.03	.00	.00	.00	.14	.16	.08	.05	.05	.60	1.09	.57	.41	.93	.33	.00	4.47
8.1-10.0	2	0	0	0	0	0	0	0	0	0	1	44	40	17	22	2	0	128
(1)	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	2.07	1.88	.80	1.03	.09	.00	6.02
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	1.20	1.09	.46	.60	.05	.00	3.49
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	40	84	82	16	0	0	222
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.88	3.95	3.86	.75	.00	.00	10.44
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.09	2.29	2.23	.44	.00	.00	6.05
ALL SPEEDS	30	52	83	52	88	187	226	114	182	258	156	162	168	150	143	76	0	2127
(1)	1.41	2.44	3.90	2.44	4.14	8.79	10.63	5.36	8.56	12.13	7.33	7.62	7.90	7.05	6.72	3.57	.00	100.00
(2)	.82	1.42	2.26	1.42	2.40	5.09	6.15	3.10	4.96	7.03	4.25	4.41	4.58	4.08	3.89	2.07	.00	57.92

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Table 2.3-50—{NMPNS 30 ft (9-m) 2001-2005 December JFD}

(Page 5 of 8)

NMP DEC MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 22.19

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	2	1	2	3	3	6	2	1	1	1	3	0	0	0	0	0	0	25
(1)	.25	.12	.25	.37	.37	.74	.25	.12	.12	.12	.37	.00	.00	.00	.00	.00	.00	3.07
(2)	.05	.03	.05	.08	.08	.16	.05	.03	.03	.03	.08	.00	.00	.00	.00	.00	.00	.68
1.1- 1.5	1	1	2	3	8	6	3	4	3	0	1	2	0	0	0	1	0	35
(1)	.12	.12	.25	.37	.98	.74	.37	.49	.37	.00	.12	.25	.00	.00	.00	.12	.00	4.29
(2)	.03	.03	.05	.08	.22	.16	.08	.11	.08	.00	.03	.05	.00	.00	.00	.03	.00	.95
1.6- 2.0	1	1	0	4	5	22	5	8	6	2	3	0	0	0	0	0	0	57
(1)	.12	.12	.00	.49	.61	2.70	.61	.98	.74	.25	.37	.00	.00	.00	.00	.00	.00	6.99
(2)	.03	.03	.00	.11	.14	.60	.14	.22	.16	.05	.08	.00	.00	.00	.00	.00	.00	1.55
2.1- 3.0	2	0	3	2	8	48	61	33	50	10	6	8	2	0	1	0	0	234
(1)	.25	.00	.37	.25	.98	5.89	7.48	4.05	6.13	1.23	.74	.98	.25	.00	.12	.00	.00	28.71
(2)	.05	.00	.08	.05	.22	1.31	1.66	.90	1.36	.27	.16	.22	.05	.00	.03	.00	.00	6.37
3.1- 4.0	0	0	1	0	1	13	62	56	55	14	9	6	1	0	0	0	0	218
(1)	.00	.00	.12	.00	.12	1.60	7.61	6.87	6.75	1.72	1.10	.74	.12	.00	.00	.00	.00	26.75
(2)	.00	.00	.03	.00	.03	.35	1.69	1.53	1.50	.38	.25	.16	.03	.00	.00	.00	.00	5.94
4.1- 5.0	0	0	0	0	0	11	31	25	24	11	6	6	1	0	0	0	0	115
(1)	.00	.00	.00	.00	.00	1.35	3.80	3.07	2.94	1.35	.74	.74	.12	.00	.00	.00	.00	14.11
(2)	.00	.00	.00	.00	.00	.30	.84	.68	.65	.30	.16	.16	.03	.00	.00	.00	.00	3.13
5.1- 6.0	0	0	0	0	0	1	8	5	9	3	2	12	3	2	1	0	0	46
(1)	.00	.00	.00	.00	.00	.12	.98	.61	1.10	.37	.25	1.47	.37	.25	.12	.00	.00	5.64
(2)	.00	.00	.00	.00	.00	.03	.22	.14	.25	.08	.05	.33	.08	.05	.03	.00	.00	1.25
6.1- 8.0	0	0	0	0	0	0	6	4	0	0	0	10	16	3	3	0	0	42
(1)	.00	.00	.00	.00	.00	.00	.74	.49	.00	.00	.00	1.23	1.96	.37	.37	.00	.00	5.15
(2)	.00	.00	.00	.00	.00	.00	.16	.11	.00	.00	.00	.27	.44	.08	.08	.00	.00	1.14
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	4	12	2	1	0	0	19
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.49	1.47	.25	.12	.00	.00	2.33
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.33	.05	.03	.00	.00	.52
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	4	16	3	1	0	0	24
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.49	1.96	.37	.12	.00	.00	2.94
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.44	.08	.03	.00	.00	.65
ALL SPEEDS	6	3	8	12	25	107	178	136	148	41	30	52	51	10	7	1	0	815
(1)	.74	.37	.98	1.47	3.07	13.13	21.84	16.69	18.16	5.03	3.68	6.38	6.26	1.23	.86	.12	.00	100.00
(2)	.16	.08	.22	.33	.68	2.91	4.85	3.70	4.03	1.12	.82	1.42	1.39	.27	.19	.03	.00	22.19

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Table 2.3-50—{NMPNS 30 ft (9-m) 2001-2005 December JFD}

(Page 6 of 8)

NMP DEC MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 2.26

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	1.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.20
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	2	1	1	0	0	0	1	1	0	0	0	0	0	6
(1)	.00	.00	.00	.00	2.41	1.20	1.20	.00	.00	.00	1.20	1.20	.00	.00	.00	.00	.00	7.23
(2)	.00	.00	.00	.00	.05	.03	.03	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.16
1.6- 2.0	0	0	0	0	2	2	5	12	3	0	2	1	0	0	0	0	0	27
(1)	.00	.00	.00	.00	2.41	2.41	6.02	14.46	3.61	.00	2.41	1.20	.00	.00	.00	.00	.00	32.53
(2)	.00	.00	.00	.00	.05	.05	.14	.33	.08	.00	.05	.03	.00	.00	.00	.00	.00	.74
2.1- 3.0	0	0	0	0	0	3	12	16	6	3	0	1	0	0	0	0	0	41
(1)	.00	.00	.00	.00	.00	3.61	14.46	19.28	7.23	3.61	.00	1.20	.00	.00	.00	.00	.00	49.40
(2)	.00	.00	.00	.00	.00	.08	.33	.44	.16	.08	.00	.03	.00	.00	.00	.00	.00	1.12
3.1- 4.0	0	0	0	0	0	0	4	0	1	0	0	1	0	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	4.82	.00	1.20	.00	.00	1.20	.00	.00	.00	.00	.00	7.23
(2)	.00	.00	.00	.00	.00	.00	.11	.00	.03	.00	.00	.03	.00	.00	.00	.00	.00	.16
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.20	.00	.00	.00	.00	.00	1.20
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.20	.00	.00	.00	.00	.00	1.20
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	0	4	6	22	29	10	3	3	6	0	0	0	0	0	83
(1)	.00	.00	.00	.00	4.82	7.23	26.51	34.94	12.05	3.61	3.61	7.23	.00	.00	.00	.00	.00	100.00
(2)	.00	.00	.00	.00	.11	.16	.60	.79	.27	.08	.08	.16	.00	.00	.00	.00	.00	2.26

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Table 2.3-50—{NMPNS 30 ft (9-m) 2001-2005 December JFD}

(Page 7 of 8)

NMP DEC MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = .84

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	3.23	3.23	6.45	.00	.00	.00	.00	.00	.00	.00	.00	.00	12.90
(2)	.00	.00	.00	.00	.00	.03	.03	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
1.6- 2.0	0	0	0	0	0	1	4	2	1	0	0	0	0	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	3.23	12.90	6.45	3.23	.00	.00	.00	.00	.00	.00	.00	.00	25.81
(2)	.00	.00	.00	.00	.00	.03	.11	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.22
2.1- 3.0	0	0	0	0	0	0	7	9	3	0	0	0	0	0	0	0	0	19
(1)	.00	.00	.00	.00	.00	.00	22.58	29.03	9.68	.00	.00	.00	.00	.00	.00	.00	.00	61.29
(2)	.00	.00	.00	.00	.00	.00	.19	.25	.08	.00	.00	.00	.00	.00	.00	.00	.00	.52
3.1- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	0	0	2	12	13	4	0	0	0	0	0	0	0	0	31
(1)	.00	.00	.00	.00	.00	6.45	38.71	41.94	12.90	.00	.00	.00	.00	.00	.00	.00	.00	100.00
(2)	.00	.00	.00	.00	.00	.05	.33	.35	.11	.00	.00	.00	.00	.00	.00	.00	.00	.84

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Table 2.3-50—{NMPNS 30 ft (9-m) 2001-2005 December JFD}

(Page 8 of 8)

NMP DEC MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

30.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	2	2	2	6	4	6	3	2	1	1	3	0	0	0	0	0	0	32
(1)	.05	.05	.05	.16	.11	.16	.08	.05	.03	.03	.08	.00	.00	.00	.00	.00	.00	.87
(2)	.05	.05	.05	.16	.11	.16	.08	.05	.03	.03	.08	.00	.00	.00	.00	.00	.00	.87
1.1- 1.5	2	1	5	10	22	14	18	14	4	0	3	3	0	1	0	2	0	99
(1)	.05	.03	.14	.27	.60	.38	.49	.38	.11	.00	.08	.08	.00	.03	.00	.05	.00	2.70
(2)	.05	.03	.14	.27	.60	.38	.49	.38	.11	.00	.08	.08	.00	.03	.00	.05	.00	2.70
1.6- 2.0	2	4	7	28	32	60	28	34	19	2	6	4	0	0	4	0	0	230
(1)	.05	.11	.19	.76	.87	1.63	.76	.93	.52	.05	.16	.11	.00	.00	.11	.00	.00	6.26
(2)	.05	.11	.19	.76	.87	1.63	.76	.93	.52	.05	.16	.11	.00	.00	.11	.00	.00	6.26
2.1- 3.0	8	18	49	20	43	119	134	97	113	64	16	13	8	10	15	15	0	742
(1)	.22	.49	1.33	.54	1.17	3.24	3.65	2.64	3.08	1.74	.44	.35	.22	.27	.41	.41	.00	20.21
(2)	.22	.49	1.33	.54	1.17	3.24	3.65	2.64	3.08	1.74	.44	.35	.22	.27	.41	.41	.00	20.21
3.1- 4.0	10	21	25	2	16	59	135	73	130	123	38	17	6	7	19	23	0	704
(1)	.27	.57	.68	.05	.44	1.61	3.68	1.99	3.54	3.35	1.03	.46	.16	.19	.52	.63	.00	19.17
(2)	.27	.57	.68	.05	.44	1.61	3.68	1.99	3.54	3.35	1.03	.46	.16	.19	.52	.63	.00	19.17
4.1- 5.0	21	19	11	0	1	36	82	57	55	93	58	18	7	15	39	30	0	542
(1)	.57	.52	.30	.00	.03	.98	2.23	1.55	1.50	2.53	1.58	.49	.19	.41	1.06	.82	.00	14.76
(2)	.57	.52	.30	.00	.03	.98	2.23	1.55	1.50	2.53	1.58	.49	.19	.41	1.06	.82	.00	14.76
5.1- 6.0	24	22	9	0	0	8	29	8	22	18	43	26	9	16	44	33	0	311
(1)	.65	.60	.25	.00	.00	.22	.79	.22	.60	.49	1.17	.71	.25	.44	1.20	.90	.00	8.47
(2)	.65	.60	.25	.00	.00	.22	.79	.22	.60	.49	1.17	.71	.25	.44	1.20	.90	.00	8.47
6.1- 8.0	37	19	7	0	0	5	12	7	3	2	22	58	37	36	103	55	0	403
(1)	1.01	.52	.19	.00	.00	.14	.33	.19	.08	.05	.60	1.58	1.01	.98	2.81	1.50	.00	10.97
(2)	1.01	.52	.19	.00	.00	.14	.33	.19	.08	.05	.60	1.58	1.01	.98	2.81	1.50	.00	10.97
8.1-10.0	13	0	0	0	0	0	0	0	0	0	2	55	53	33	56	6	0	218
(1)	.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.50	1.44	.90	1.53	.16	.00	5.94
(2)	.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.50	1.44	.90	1.53	.16	.00	5.94
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	79	122	151	37	2	0	391
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.15	3.32	4.11	1.01	.05	.00	10.65
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.15	3.32	4.11	1.01	.05	.00	10.65
ALL SPEEDS	119	106	115	66	118	307	441	292	347	303	191	273	242	269	317	166	0	3672
(1)	3.24	2.89	3.13	1.80	3.21	8.36	12.01	7.95	9.45	8.25	5.20	7.43	6.59	7.33	8.63	4.52	.00	100.00
(2)	3.24	2.89	3.13	1.80	3.21	8.36	12.01	7.95	9.45	8.25	5.20	7.43	6.59	7.33	8.63	4.52	.00	100.00

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Table 2.3-51—{NMPNS 100 ft (30-m) 2001-2005 January JFD}

(Page 1 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 9.03

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.30	.00	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60
(2)	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
2.1- 3.0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
(1)	.00	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.00	.60
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.05
3.1- 4.0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6
(1)	.00	.60	.90	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	1.79
(2)	.00	.05	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.16
4.1- 5.0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.30	.00	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60
(2)	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
5.1- 6.0	6	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	9
(1)	1.79	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.30	.00	2.69
(2)	.16	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.24
6.1- 8.0	10	2	0	0	0	0	0	0	0	0	0	0	0	3	6	4	0	25
(1)	2.99	.60	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.90	1.79	1.19	.00	7.46
(2)	.27	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.16	.11	.00	.67
8.1-10.0	14	6	0	0	0	0	0	0	0	0	0	2	0	4	9	10	0	45
(1)	4.18	1.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60	.00	1.19	2.69	2.99	.00	13.43
(2)	.38	.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.11	.24	.27	.00	1.21
10.1-40.3	13	11	6	0	0	0	0	0	0	0	0	19	12	63	104	16	0	244
(1)	3.88	3.28	1.79	.00	.00	.00	.00	.00	.00	.00	.00	5.67	3.58	18.81	31.04	4.78	.00	72.84
(2)	.35	.30	.16	.00	.00	.00	.00	.00	.00	.00	.00	.51	.32	1.70	2.80	.43	.00	6.58
ALL SPEEDS	44	23	10	0	0	1	0	1	0	0	0	21	12	71	120	32	0	335
(1)	13.13	6.87	2.99	.00	.00	.30	.00	.30	.00	.00	.00	6.27	3.58	21.19	35.82	9.55	.00	100.00
(2)	1.19	.62	.27	.00	.00	.03	.00	.03	.00	.00	.00	.57	.32	1.91	3.24	.86	.00	9.03

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Table 2.3-51—{NMPNS 100 ft (30-m) 2001-2005 January JFD}

(Page 2 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 7.17

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.38	.00	.00	.00	.00	.00	.00	.00	.00	.38
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03
2.1- 3.0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3
(1)	.38	.00	.00	.00	.38	.00	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.13
(2)	.03	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
3.1- 4.0	2	2	1	1	0	1	2	0	0	0	0	0	0	0	0	1	0	10
(1)	.75	.75	.38	.38	.00	.38	.75	.00	.00	.00	.00	.00	.00	.00	.00	.38	.00	3.76
(2)	.05	.05	.03	.03	.00	.03	.05	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.27
4.1- 5.0	0	2	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	5
(1)	.00	.75	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.38	.00	.38	.00	1.88
(2)	.00	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.13
5.1- 6.0	4	3	2	0	0	1	0	0	1	0	0	0	0	4	3	0	0	18
(1)	1.50	1.13	.75	.00	.00	.38	.00	.00	.38	.00	.00	.00	.00	1.50	1.13	.00	.00	6.77
(2)	.11	.08	.05	.00	.00	.03	.00	.00	.03	.00	.00	.00	.00	.11	.08	.00	.00	.49
6.1- 8.0	24	21	2	0	0	0	0	0	0	0	0	0	2	12	29	7	0	97
(1)	9.02	7.89	.75	.00	.00	.00	.00	.00	.00	.00	.00	.00	.75	4.51	10.90	2.63	.00	36.47
(2)	.65	.57	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.32	.78	.19	.00	2.62
8.1-10.0	4	5	6	0	0	0	0	0	0	0	0	3	4	8	23	4	0	57
(1)	1.50	1.88	2.26	.00	.00	.00	.00	.00	.00	.00	.00	1.13	1.50	3.01	8.65	1.50	.00	21.43
(2)	.11	.13	.16	.00	.00	.00	.00	.00	.00	.00	.00	.08	.11	.22	.62	.11	.00	1.54
10.1-40.3	2	7	4	0	0	0	0	0	0	0	0	4	11	25	20	2	0	75
(1)	.75	2.63	1.50	.00	.00	.00	.00	.00	.00	.00	.00	1.50	4.14	9.40	7.52	.75	.00	28.20
(2)	.05	.19	.11	.00	.00	.00	.00	.00	.00	.00	.00	.11	.30	.67	.54	.05	.00	2.02
ALL SPEEDS	37	40	16	1	1	2	3	0	2	0	0	7	17	50	75	15	0	266
(1)	13.91	15.04	6.02	.38	.38	.75	1.13	.00	.75	.00	.00	2.63	6.39	18.80	28.20	5.64	.00	100.00
(2)	1.00	1.08	.43	.03	.03	.05	.08	.00	.05	.00	.00	.19	.46	1.35	2.02	.40	.00	7.17

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Table 2.3-51—{NMPNS 100 ft (30-m) 2001-2005 January JFD}

(Page 3 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 8.20

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33	.00	.00	.00	.00	.00	.00	.00	.33
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03
1.6- 2.0	0	0	0	1	0	1	0	0	0	0	0	2	0	0	0	0	0	4
(1)	.00	.00	.00	.33	.00	.33	.00	.00	.00	.00	.00	.66	.00	.00	.00	.00	.00	1.32
(2)	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.11
2.1- 3.0	1	3	3	0	0	0	1	0	0	0	0	0	0	1	0	0	0	9
(1)	.33	.99	.99	.00	.00	.00	.33	.00	.00	.00	.00	.00	.00	.33	.00	.00	.00	2.96
(2)	.03	.08	.08	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.24
3.1- 4.0	3	4	3	0	0	2	2	0	0	0	0	0	0	0	1	0	0	15
(1)	.99	1.32	.99	.00	.00	.66	.66	.00	.00	.00	.00	.00	.00	.00	.33	.00	.00	4.93
(2)	.08	.11	.08	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.40
4.1- 5.0	2	4	3	0	0	0	1	1	3	0	0	0	0	3	6	6	0	29
(1)	.66	1.32	.99	.00	.00	.00	.33	.33	.99	.00	.00	.00	.00	.99	1.97	1.97	.00	9.54
(2)	.05	.11	.08	.00	.00	.00	.03	.03	.08	.00	.00	.00	.00	.08	.16	.16	.00	.78
5.1- 6.0	4	10	6	0	0	0	0	0	1	0	0	0	1	3	5	3	0	33
(1)	1.32	3.29	1.97	.00	.00	.00	.00	.00	.33	.00	.00	.00	.33	.99	1.64	.99	.00	10.86
(2)	.11	.27	.16	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.08	.13	.08	.00	.89
6.1- 8.0	11	25	13	0	0	0	0	0	0	0	0	1	1	5	10	14	0	80
(1)	3.62	8.22	4.28	.00	.00	.00	.00	.00	.00	.00	.00	.33	.33	1.64	3.29	4.61	.00	26.32
(2)	.30	.67	.35	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.13	.27	.38	.00	2.16
8.1-10.0	5	8	5	0	0	0	0	0	0	0	0	0	4	10	11	5	0	48
(1)	1.64	2.63	1.64	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.32	3.29	3.62	1.64	.00	15.79
(2)	.13	.22	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.27	.30	.13	.00	1.29
10.1-40.3	4	2	1	0	0	0	0	0	0	0	1	21	13	22	18	3	0	85
(1)	1.32	.66	.33	.00	.00	.00	.00	.00	.00	.00	.33	6.91	4.28	7.24	5.92	.99	.00	27.96
(2)	.11	.05	.03	.00	.00	.00	.00	.00	.00	.00	.03	.57	.35	.59	.49	.08	.00	2.29
ALL SPEEDS	30	56	34	1	0	3	4	1	4	1	1	24	19	44	51	31	0	304
(1)	9.87	18.42	11.18	.33	.00	.99	1.32	.33	1.32	.33	.33	7.89	6.25	14.47	16.78	10.20	.00	100.00
(2)	.81	1.51	.92	.03	.00	.08	.11	.03	.11	.03	.03	.65	.51	1.19	1.38	.84	.00	8.20

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Table 2.3-51—{NMPNS 100 ft (30-m) 2001-2005 January JFD}

(Page 4 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 54.25

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.00	.00	.00	.10
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.05
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	0	1	1	0	0	0	2	1	1	0	0	0	0	1	0	8
(1)	.00	.05	.00	.05	.05	.00	.00	.00	.10	.05	.05	.00	.00	.00	.00	.05	.00	.40
(2)	.00	.03	.00	.03	.03	.00	.00	.00	.05	.03	.03	.00	.00	.00	.00	.03	.00	.22
1.1- 1.5	2	2	3	2	4	2	0	0	2	3	0	0	0	0	2	0	0	22
(1)	.10	.10	.15	.10	.20	.10	.00	.00	.10	.15	.00	.00	.00	.00	.10	.00	.00	1.09
(2)	.05	.05	.08	.05	.11	.05	.00	.00	.05	.08	.00	.00	.00	.00	.05	.00	.00	.59
1.6- 2.0	2	4	6	9	13	9	2	3	0	1	1	2	2	1	3	2	0	60
(1)	.10	.20	.30	.45	.65	.45	.10	.15	.00	.05	.05	.10	.10	.05	.15	.10	.00	2.98
(2)	.05	.11	.16	.24	.35	.24	.05	.08	.00	.03	.03	.05	.05	.03	.08	.05	.00	1.62
2.1- 3.0	9	12	19	24	24	21	39	24	20	10	3	2	1	4	3	9	0	224
(1)	.45	.60	.94	1.19	1.19	1.04	1.94	1.19	.99	.50	.15	.10	.05	.20	.15	.45	.00	11.13
(2)	.24	.32	.51	.65	.65	.57	1.05	.65	.54	.27	.08	.05	.03	.11	.08	.24	.00	6.04
3.1- 4.0	10	17	31	8	22	38	39	50	43	28	15	4	5	5	7	4	0	326
(1)	.50	.84	1.54	.40	1.09	1.89	1.94	2.49	2.14	1.39	.75	.20	.25	.25	.35	.20	.00	16.20
(2)	.27	.46	.84	.22	.59	1.02	1.05	1.35	1.16	.75	.40	.11	.13	.13	.19	.11	.00	8.79
4.1- 5.0	6	26	25	2	9	26	36	38	49	63	30	12	5	12	5	11	0	355
(1)	.30	1.29	1.24	.10	.45	1.29	1.79	1.89	2.44	3.13	1.49	.60	.25	.60	.25	.55	.00	17.64
(2)	.16	.70	.67	.05	.24	.70	.97	1.02	1.32	1.70	.81	.32	.13	.32	.13	.30	.00	9.57
5.1- 6.0	13	27	26	0	2	31	30	39	28	35	53	8	1	11	17	15	0	336
(1)	.65	1.34	1.29	.00	.10	1.54	1.49	1.94	1.39	1.74	2.63	.40	.05	.55	.84	.75	.00	16.70
(2)	.35	.73	.70	.00	.05	.84	.81	1.05	.75	.94	1.43	.22	.03	.30	.46	.40	.00	9.06
6.1- 8.0	19	30	13	0	1	11	20	29	16	9	42	15	8	38	23	14	0	288
(1)	.94	1.49	.65	.00	.05	.55	.99	1.44	.80	.45	2.09	.75	.40	1.89	1.14	.70	.00	14.31
(2)	.51	.81	.35	.00	.03	.30	.54	.78	.43	.24	1.13	.40	.22	1.02	.62	.38	.00	7.76
8.1-10.0	12	10	1	0	0	4	3	8	1	2	15	18	8	37	21	8	0	148
(1)	.60	.50	.05	.00	.00	.20	.15	.40	.05	.10	.75	.89	.40	1.84	1.04	.40	.00	7.36
(2)	.32	.27	.03	.00	.00	.11	.08	.22	.03	.05	.40	.49	.22	1.00	.57	.22	.00	3.99
10.1-40.3	6	2	0	0	0	0	0	0	0	0	1	76	54	75	26	3	0	243
(1)	.30	.10	.00	.00	.00	.00	.00	.00	.00	.00	.05	3.78	2.68	3.73	1.29	.15	.00	12.08
(2)	.16	.05	.00	.00	.00	.00	.00	.00	.00	.00	.03	2.05	1.46	2.02	.70	.08	.00	6.55
ALL SPEEDS	79	131	124	46	76	142	169	191	161	152	161	138	84	184	107	67	0	2012
(1)	3.93	6.51	6.16	2.29	3.78	7.06	8.40	9.49	8.00	7.55	8.00	6.86	4.17	9.15	5.32	3.33	.00	100.00
(2)	2.13	3.53	3.34	1.24	2.05	3.83	4.56	5.15	4.34	4.10	4.34	3.72	2.26	4.96	2.88	1.81	.00	54.25

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Table 2.3-51—{NMPNS 100 ft (30-m) 2001-2005 January JFD}

(Page 5 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 17.42

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	4
(1)	.00	.15	.00	.15	.00	.15	.00	.00	.00	.00	.00	.15	.00	.00	.00	.00	.00	.62
(2)	.00	.03	.00	.03	.00	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.11
1.1- 1.5	0	0	2	2	2	1	1	2	0	1	1	1	1	0	0	0	0	14
(1)	.00	.00	.31	.31	.31	.15	.15	.31	.00	.15	.15	.15	.15	.00	.00	.00	.00	2.17
(2)	.00	.00	.05	.05	.05	.03	.03	.05	.00	.03	.03	.03	.03	.00	.00	.00	.00	.38
1.6- 2.0	0	0	1	2	1	0	0	4	0	1	0	0	1	0	0	0	0	10
(1)	.00	.00	.15	.31	.15	.00	.00	.62	.00	.15	.00	.00	.15	.00	.00	.00	.00	1.55
(2)	.00	.00	.03	.05	.03	.00	.00	.11	.00	.03	.00	.00	.03	.00	.00	.00	.00	.27
2.1- 3.0	1	1	5	3	4	8	15	12	11	7	3	1	0	1	2	0	0	74
(1)	.15	.15	.77	.46	.62	1.24	2.32	1.86	1.70	1.08	.46	.15	.00	.15	.31	.00	.00	11.46
(2)	.03	.03	.13	.08	.11	.22	.40	.32	.30	.19	.08	.03	.00	.03	.05	.00	.00	2.00
3.1- 4.0	1	1	0	1	5	14	24	30	28	12	8	8	2	1	0	0	0	135
(1)	.15	.15	.00	.15	.77	2.17	3.72	4.64	4.33	1.86	1.24	1.24	.31	.15	.00	.00	.00	20.90
(2)	.03	.03	.00	.03	.13	.38	.65	.81	.75	.32	.22	.22	.05	.03	.00	.00	.00	3.64
4.1- 5.0	0	2	1	0	0	6	19	31	28	18	3	2	2	1	0	0	0	113
(1)	.00	.31	.15	.00	.00	.93	2.94	4.80	4.33	2.79	.46	.31	.31	.15	.00	.00	.00	17.49
(2)	.00	.05	.03	.00	.00	.16	.51	.84	.75	.49	.08	.05	.05	.03	.00	.00	.00	3.05
5.1- 6.0	0	0	0	0	0	0	29	21	19	11	8	6	3	3	0	0	0	100
(1)	.00	.00	.00	.00	.00	.00	4.49	3.25	2.94	1.70	1.24	.93	.46	.46	.00	.00	.00	15.48
(2)	.00	.00	.00	.00	.00	.00	.78	.57	.51	.30	.22	.16	.08	.08	.00	.00	.00	2.70
6.1- 8.0	0	0	0	0	0	0	7	6	8	1	25	12	4	1	0	1	0	65
(1)	.00	.00	.00	.00	.00	.00	1.08	.93	1.24	.15	3.87	1.86	.62	.15	.00	.15	.00	10.06
(2)	.00	.00	.00	.00	.00	.00	.19	.16	.22	.03	.67	.32	.11	.03	.00	.03	.00	1.75
8.1-10.0	0	0	0	0	0	0	13	7	3	0	1	24	1	7	0	0	0	56
(1)	.00	.00	.00	.00	.00	.00	2.01	1.08	.46	.00	.15	3.72	.15	1.08	.00	.00	.00	8.67
(2)	.00	.00	.00	.00	.00	.00	.35	.19	.08	.00	.03	.65	.03	.19	.00	.00	.00	1.51
10.1-40.3	0	0	0	0	0	0	0	0	0	0	1	19	32	22	1	0	0	75
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	2.94	4.95	3.41	.15	.00	.00	11.61
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.51	.86	.59	.03	.00	.00	2.02
ALL SPEEDS	2	5	9	9	12	30	108	113	97	51	50	74	46	36	3	1	0	646
(1)	.31	.77	1.39	1.39	1.86	4.64	16.72	17.49	15.02	7.89	7.74	11.46	7.12	5.57	.46	.15	.00	100.00
(2)	.05	.13	.24	.24	.32	.81	2.91	3.05	2.62	1.38	1.35	2.00	1.24	.97	.08	.03	.00	17.42

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Table 2.3-51—{NMPNS 100 ft (30-m) 2001-2005 January JFD}

(Page 6 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 2.29

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	1.18	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.18
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	1.18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.18
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.6- 2.0	0	0	0	0	0	1	0	1	2	1	0	0	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	1.18	.00	1.18	2.35	1.18	.00	.00	.00	.00	.00	.00	.00	5.88
(2)	.00	.00	.00	.00	.00	.03	.00	.03	.05	.03	.00	.00	.00	.00	.00	.00	.00	.13
2.1- 3.0	0	0	0	1	3	3	1	6	3	0	0	0	0	0	0	0	0	17
(1)	.00	.00	.00	1.18	3.53	3.53	1.18	7.06	3.53	.00	.00	.00	.00	.00	.00	.00	.00	20.00
(2)	.00	.00	.00	.03	.08	.08	.03	.16	.08	.00	.00	.00	.00	.00	.00	.00	.00	.46
3.1- 4.0	0	0	0	0	0	3	8	5	1	0	0	0	0	0	0	0	0	17
(1)	.00	.00	.00	.00	.00	3.53	9.41	5.88	1.18	.00	.00	.00	.00	.00	.00	.00	.00	20.00
(2)	.00	.00	.00	.00	.00	.08	.22	.13	.03	.00	.00	.00	.00	.00	.00	.00	.00	.46
4.1- 5.0	1	0	0	0	0	0	4	5	5	0	0	0	0	0	0	0	0	15
(1)	1.18	.00	.00	.00	.00	.00	4.71	5.88	5.88	.00	.00	.00	.00	.00	.00	.00	.00	17.65
(2)	.03	.00	.00	.00	.00	.00	.11	.13	.13	.00	.00	.00	.00	.00	.00	.00	.00	.40
5.1- 6.0	0	0	0	0	0	2	0	5	2	1	2	2	0	0	0	0	0	14
(1)	.00	.00	.00	.00	.00	2.35	.00	5.88	2.35	1.18	2.35	2.35	.00	.00	.00	.00	.00	16.47
(2)	.00	.00	.00	.00	.00	.05	.00	.13	.05	.03	.05	.05	.00	.00	.00	.00	.00	.38
6.1- 8.0	0	0	0	0	0	0	1	1	0	0	0	5	1	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	.00	1.18	1.18	.00	.00	.00	5.88	1.18	.00	.00	.00	.00	9.41
(2)	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.13	.03	.00	.00	.00	.00	.22
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.71	.00	.00	.00	.00	.00	4.71
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.11
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.18	2.35	.00	.00	.00	.00	3.53
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.05	.00	.00	.00	.00	.08
ALL SPEEDS	1	0	0	1	4	9	14	24	13	2	2	12	3	0	0	0	0	85
(1)	1.18	.00	.00	1.18	4.71	10.59	16.47	28.24	15.29	2.35	2.35	14.12	3.53	.00	.00	.00	.00	100.00
(2)	.03	.00	.00	.03	.11	.24	.38	.65	.35	.05	.05	.32	.08	.00	.00	.00	.00	2.29

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Table 2.3-51—{NMPNS 100 ft (30-m) 2001-2005 January JFD}

(Page 7 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.64

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	4
(1)	.00	1.64	.00	.00	.00	.00	4.92	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.56
(2)	.00	.03	.00	.00	.00	.00	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
1.1- 1.5	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	4
(1)	.00	.00	3.28	1.64	1.64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.56
(2)	.00	.00	.05	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
1.6- 2.0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0	4
(1)	.00	.00	.00	.00	1.64	.00	.00	4.92	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.56
(2)	.00	.00	.00	.00	.03	.00	.00	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
2.1- 3.0	1	1	0	0	1	1	1	4	0	0	1	0	0	0	0	0	0	10
(1)	1.64	1.64	.00	.00	1.64	1.64	1.64	6.56	.00	.00	1.64	.00	.00	.00	.00	.00	.00	16.39
(2)	.03	.03	.00	.00	.03	.03	.03	.11	.00	.00	.03	.00	.00	.00	.00	.00	.00	.27
3.1- 4.0	0	0	0	0	0	4	7	2	1	0	0	0	0	0	0	0	0	14
(1)	.00	.00	.00	.00	.00	6.56	11.48	3.28	1.64	.00	.00	.00	.00	.00	.00	.00	.00	22.95
(2)	.00	.00	.00	.00	.00	.11	.19	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.38
4.1- 5.0	0	0	0	0	0	0	4	11	2	1	0	0	0	0	0	0	0	18
(1)	.00	.00	.00	.00	.00	.00	6.56	18.03	3.28	1.64	.00	.00	.00	.00	.00	.00	.00	29.51
(2)	.00	.00	.00	.00	.00	.00	.11	.30	.05	.03	.00	.00	.00	.00	.00	.00	.00	.49
5.1- 6.0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	3.28	3.28	1.64	.00	.00	.00	.00	.00	.00	.00	8.20
(2)	.00	.00	.00	.00	.00	.00	.00	.05	.05	.03	.00	.00	.00	.00	.00	.00	.00	.13
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.64	.00	.00	.00	.00	.00	1.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.64	.00	.00	.00	.00	.00	1.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1	2	2	1	3	5	15	22	5	2	1	2	0	0	0	0	0	61
(1)	1.64	3.28	3.28	1.64	4.92	8.20	24.59	36.07	8.20	3.28	1.64	3.28	.00	.00	.00	.00	.00	100.00
(2)	.03	.05	.05	.03	.08	.13	.40	.59	.13	.05	.03	.05	.00	.00	.00	.00	.00	1.64

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Table 2.3-51—{NMPNS 100 ft (30-m) 2001-2005 January JFD}

(Page 8 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.05
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.05
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	3	0	2	1	1	3	1	2	1	1	1	0	0	0	1	0	17
(1)	.00	.08	.00	.05	.03	.03	.08	.03	.05	.03	.03	.03	.00	.00	.00	.03	.00	.46
(2)	.00	.08	.00	.05	.03	.03	.08	.03	.05	.03	.03	.03	.00	.00	.00	.03	.00	.46
1.1- 1.5	2	2	7	5	8	3	1	2	2	5	1	1	1	0	2	0	0	42
(1)	.05	.05	.19	.13	.22	.08	.03	.05	.05	.13	.03	.03	.03	.00	.05	.00	.00	1.13
(2)	.05	.05	.19	.13	.22	.08	.03	.05	.05	.13	.03	.03	.03	.00	.05	.00	.00	1.13
1.6- 2.0	2	4	7	12	15	12	2	12	3	3	1	4	3	1	3	2	0	86
(1)	.05	.11	.19	.32	.40	.32	.05	.32	.08	.08	.03	.11	.08	.03	.08	.05	.00	2.32
(2)	.05	.11	.19	.32	.40	.32	.05	.32	.08	.08	.03	.11	.08	.03	.08	.05	.00	2.32
2.1- 3.0	13	18	27	28	33	33	58	46	34	17	7	3	1	6	6	9	0	339
(1)	.35	.49	.73	.75	.89	.89	1.56	1.24	.92	.46	.19	.08	.03	.16	.16	.24	.00	9.14
(2)	.35	.49	.73	.75	.89	.89	1.56	1.24	.92	.46	.19	.08	.03	.16	.16	.24	.00	9.14
3.1- 4.0	16	26	38	10	27	62	82	87	73	40	23	12	7	6	8	6	0	523
(1)	.43	.70	1.02	.27	.73	1.67	2.21	2.35	1.97	1.08	.62	.32	.19	.16	.22	.16	.00	14.10
(2)	.43	.70	1.02	.27	.73	1.67	2.21	2.35	1.97	1.08	.62	.32	.19	.16	.22	.16	.00	14.10
4.1- 5.0	10	34	31	2	9	32	64	86	87	82	33	14	7	17	11	18	0	537
(1)	.27	.92	.84	.05	.24	.86	1.73	2.32	2.35	2.21	.89	.38	.19	.46	.30	.49	.00	14.48
(2)	.27	.92	.84	.05	.24	.86	1.73	2.32	2.35	2.21	.89	.38	.19	.46	.30	.49	.00	14.48
5.1- 6.0	27	41	34	0	2	34	59	67	53	48	63	16	5	22	25	19	0	515
(1)	.73	1.11	.92	.00	.05	.92	1.59	1.81	1.43	1.29	1.70	.43	.13	.59	.67	.51	.00	13.89
(2)	.73	1.11	.92	.00	.05	.92	1.59	1.81	1.43	1.29	1.70	.43	.13	.59	.67	.51	.00	13.89
6.1- 8.0	64	78	28	0	1	11	28	36	24	10	67	34	16	59	68	40	0	564
(1)	1.73	2.10	.75	.00	.03	.30	.75	.97	.65	.27	1.81	.92	.43	1.59	1.83	1.08	.00	15.21
(2)	1.73	2.10	.75	.00	.03	.30	.75	.97	.65	.27	1.81	.92	.43	1.59	1.83	1.08	.00	15.21
8.1-10.0	35	29	12	0	0	4	16	15	4	2	16	52	17	66	64	27	0	359
(1)	.94	.78	.32	.00	.00	.11	.43	.40	.11	.05	.43	1.40	.46	1.78	1.73	.73	.00	9.68
(2)	.94	.78	.32	.00	.00	.11	.43	.40	.11	.05	.43	1.40	.46	1.78	1.73	.73	.00	9.68
10.1-40.3	25	22	11	0	0	0	0	0	0	0	3	140	124	207	169	24	0	725
(1)	.67	.59	.30	.00	.00	.00	.00	.00	.00	.00	.08	3.77	3.34	5.58	4.56	.65	.00	19.55
(2)	.67	.59	.30	.00	.00	.00	.00	.00	.00	.00	.08	3.77	3.34	5.58	4.56	.65	.00	19.55
ALL SPEEDS	194	257	195	59	96	192	313	352	282	208	215	278	181	385	356	146	0	3709
(1)	5.23	6.93	5.26	1.59	2.59	5.18	8.44	9.49	7.60	5.61	5.80	7.50	4.88	10.38	9.60	3.94	.00	100.00
(2)	5.23	6.93	5.26	1.59	2.59	5.18	8.44	9.49	7.60	5.61	5.80	7.50	4.88	10.38	9.60	3.94	.00	100.00

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Table 2.3-52—{NMPNS 100 ft (30-m) 2001-2005 February JFD}

(Page 1 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 8.40

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.35
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	2	2	0	1	0	0	0	0	0	0	0	0	0	0	2	0	8
(1)	.35	.71	.71	.00	.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.71	.00	2.83
(2)	.03	.06	.06	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.24
2.1- 3.0	1	0	1	0	0	0	1	1	1	2	0	0	0	0	2	1	0	10
(1)	.35	.00	.35	.00	.00	.00	.35	.35	.35	.71	.00	.00	.00	.00	.71	.35	.00	3.53
(2)	.03	.00	.03	.00	.00	.00	.03	.03	.03	.06	.00	.00	.00	.00	.06	.03	.00	.30
3.1- 4.0	0	5	0	0	0	0	0	0	1	1	0	0	0	0	2	1	0	10
(1)	.00	1.77	.00	.00	.00	.00	.00	.00	.35	.35	.00	.00	.00	.00	.71	.35	.00	3.53
(2)	.00	.15	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.06	.03	.00	.30
4.1- 5.0	2	1	0	0	0	1	1	0	0	0	0	0	0	0	3	3	0	11
(1)	.71	.35	.00	.00	.00	.35	.35	.00	.00	.00	.00	.00	.00	.00	1.06	1.06	.00	3.89
(2)	.06	.03	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.09	.09	.00	.33
5.1- 6.0	6	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	11
(1)	2.12	.71	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.06	.00	.00	3.89
(2)	.18	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.33
6.1- 8.0	1	1	0	0	0	0	0	2	0	0	0	0	0	4	3	4	0	15
(1)	.35	.35	.00	.00	.00	.00	.00	.71	.00	.00	.00	.00	.00	1.41	1.06	1.41	.00	5.30
(2)	.03	.03	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.12	.09	.12	.00	.45
8.1-10.0	3	1	0	0	0	0	0	0	0	0	0	1	1	10	12	12	0	40
(1)	1.06	.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.35	.35	3.53	4.24	4.24	.00	14.13
(2)	.09	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.30	.36	.36	.00	1.19
10.1-40.3	11	6	0	0	0	0	2	0	0	0	0	8	2	81	66	1	0	177
(1)	3.89	2.12	.00	.00	.00	.00	.71	.00	.00	.00	.00	2.83	.71	28.62	23.32	.35	.00	62.54
(2)	.33	.18	.00	.00	.00	.00	.06	.00	.00	.00	.00	.24	.06	2.40	1.96	.03	.00	5.25
ALL SPEEDS	25	18	3	1	1	1	4	3	2	3	0	9	3	95	91	24	0	283
(1)	8.83	6.36	1.06	.35	.35	.35	1.41	1.06	.71	1.06	.00	3.18	1.06	33.57	32.16	8.48	.00	100.00
(2)	.74	.53	.09	.03	.03	.03	.12	.09	.06	.09	.00	.27	.09	2.82	2.70	.71	.00	8.40

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Table 2.3-52—{NMPNS 100 ft (30-m) 2001-2005 February JFD}

(Page 2 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.97

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	1	0	5
(1)	.50	.00	.50	1.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	.00	2.49
(2)	.03	.00	.03	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.15
2.1- 3.0	1	3	1	1	2	0	0	0	0	0	0	0	0	1	5	1	0	15
(1)	.50	1.49	.50	.50	1.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	2.49	.50	.00	7.46
(2)	.03	.09	.03	.03	.06	.00	.00	.00	.00	.00	.00	.00	.00	.03	.15	.03	.00	.45
3.1- 4.0	1	2	0	0	0	1	1	3	0	0	0	0	0	0	1	3	0	12
(1)	.50	1.00	.00	.00	.00	.50	.50	1.49	.00	.00	.00	.00	.00	.00	.50	1.49	.00	5.97
(2)	.03	.06	.00	.00	.00	.03	.03	.09	.00	.00	.00	.00	.00	.00	.03	.09	.00	.36
4.1- 5.0	2	0	0	0	0	0	3	1	0	0	0	0	0	3	1	1	0	11
(1)	1.00	.00	.00	.00	.00	.00	1.49	.50	.00	.00	.00	.00	.00	1.49	.50	.50	.00	5.47
(2)	.06	.00	.00	.00	.00	.00	.09	.03	.00	.00	.00	.00	.00	.09	.03	.03	.00	.33
5.1- 6.0	2	1	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	9
(1)	1.00	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00	1.00	1.00	.00	4.48
(2)	.06	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.06	.06	.00	.27
6.1- 8.0	4	2	0	0	0	0	0	0	0	0	0	4	2	5	9	8	0	34
(1)	1.99	1.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.99	1.00	2.49	4.48	3.98	.00	16.92
(2)	.12	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.06	.15	.27	.24	.00	1.01
8.1-10.0	4	0	0	0	0	0	1	0	0	0	0	2	1	6	13	9	0	36
(1)	1.99	.00	.00	.00	.00	.00	.50	.00	.00	.00	.00	1.00	.50	2.99	6.47	4.48	.00	17.91
(2)	.12	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06	.03	.18	.39	.27	.00	1.07
10.1-40.3	4	1	0	0	0	0	0	0	0	0	0	6	5	26	27	10	0	79
(1)	1.99	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.99	2.49	12.94	13.43	4.98	.00	39.30
(2)	.12	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.15	.77	.80	.30	.00	2.34
ALL SPEEDS	19	9	2	3	2	1	5	4	0	0	0	12	8	43	58	35	0	201
(1)	9.45	4.48	1.00	1.49	1.00	.50	2.49	1.99	.00	.00	.00	5.97	3.98	21.39	28.86	17.41	.00	100.00
(2)	.56	.27	.06	.09	.06	.03	.15	.12	.00	.00	.00	.36	.24	1.28	1.72	1.04	.00	5.97

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Table 2.3-52—{NMPNS 100 ft (30-m) 2001-2005 February JFD}

(Page 3 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.51

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2
(1)	.00	.00	.00	.00	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.79
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.06
1.6- 2.0	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	6
(1)	.40	.40	.00	.00	.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.79	.00	2.37
(2)	.03	.03	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.18
2.1- 3.0	2	3	6	4	0	0	2	1	0	0	0	0	1	2	1	5	0	27
(1)	.79	1.19	2.37	1.58	.00	.00	.79	.40	.00	.00	.00	.00	.40	.79	.40	1.98	.00	10.67
(2)	.06	.09	.18	.12	.00	.00	.06	.03	.00	.00	.00	.00	.03	.06	.03	.15	.00	.80
3.1- 4.0	0	2	5	1	0	1	3	0	1	0	0	1	1	5	2	2	0	24
(1)	.00	.79	1.98	.40	.00	.40	1.19	.00	.40	.00	.00	.40	.40	1.98	.79	.79	.00	9.49
(2)	.00	.06	.15	.03	.00	.03	.09	.00	.03	.00	.00	.03	.03	.15	.06	.06	.00	.71
4.1- 5.0	1	0	2	0	0	1	3	1	1	0	0	0	1	1	5	3	0	19
(1)	.40	.00	.79	.00	.00	.40	1.19	.40	.40	.00	.00	.00	.40	.40	1.98	1.19	.00	7.51
(2)	.03	.00	.06	.00	.00	.03	.09	.03	.03	.00	.00	.00	.03	.03	.15	.09	.00	.56
5.1- 6.0	3	2	0	0	0	0	1	2	0	0	0	0	1	3	3	6	0	21
(1)	1.19	.79	.00	.00	.00	.00	.40	.79	.00	.00	.00	.00	.40	1.19	1.19	2.37	.00	8.30
(2)	.09	.06	.00	.00	.00	.00	.03	.06	.00	.00	.00	.00	.03	.09	.09	.18	.00	.62
6.1- 8.0	5	5	0	0	0	0	0	0	0	0	0	0	0	7	15	7	0	39
(1)	1.98	1.98	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.77	5.93	2.77	.00	15.42
(2)	.15	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.45	.21	.00	1.16
8.1-10.0	5	3	0	0	0	0	0	0	0	0	2	6	3	8	14	7	0	48
(1)	1.98	1.19	.00	.00	.00	.00	.00	.00	.00	.00	.79	2.37	1.19	3.16	5.53	2.77	.00	18.97
(2)	.15	.09	.00	.00	.00	.00	.00	.00	.00	.00	.06	.18	.09	.24	.42	.21	.00	1.42
10.1-40.3	4	0	0	0	0	0	0	0	0	0	0	3	11	32	12	5	0	67
(1)	1.58	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.19	4.35	12.65	4.74	1.98	.00	26.48
(2)	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.33	.95	.36	.15	.00	1.99
ALL SPEEDS	21	16	13	5	3	2	9	4	2	0	2	10	18	58	52	38	0	253
(1)	8.30	6.32	5.14	1.98	1.19	.79	3.56	1.58	.79	.00	.79	3.95	7.11	22.92	20.55	15.02	.00	100.00
(2)	.62	.47	.39	.15	.09	.06	.27	.12	.06	.00	.06	.30	.53	1.72	1.54	1.13	.00	7.51

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Table 2.3-52—{NMPNS 100 ft (30-m) 2001-2005 February JFD}

(Page 4 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 50.99

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	0	2	0	0	0	0	0	1	2	0	0	0	2	0	0	8
(1)	.00	.06	.00	.12	.00	.00	.00	.00	.00	.06	.12	.00	.00	.00	.12	.00	.00	.47
(2)	.00	.03	.00	.06	.00	.00	.00	.00	.00	.03	.06	.00	.00	.00	.06	.00	.00	.24
1.1- 1.5	2	2	4	4	2	2	5	1	5	2	3	0	3	1	0	4	0	40
(1)	.12	.12	.23	.23	.12	.12	.29	.06	.29	.12	.17	.00	.17	.06	.00	.23	.00	2.33
(2)	.06	.06	.12	.12	.06	.06	.15	.03	.15	.06	.09	.00	.09	.03	.00	.12	.00	1.19
1.6- 2.0	4	5	9	13	7	8	8	6	6	2	3	3	2	2	2	4	0	84
(1)	.23	.29	.52	.76	.41	.47	.47	.35	.35	.12	.17	.17	.12	.12	.12	.23	.00	4.89
(2)	.12	.15	.27	.39	.21	.24	.24	.18	.18	.06	.09	.09	.06	.06	.06	.12	.00	2.49
2.1- 3.0	6	21	32	14	9	13	27	16	12	10	4	3	7	3	6	13	0	196
(1)	.35	1.22	1.86	.81	.52	.76	1.57	.93	.70	.58	.23	.17	.41	.17	.35	.76	.00	11.41
(2)	.18	.62	.95	.42	.27	.39	.80	.47	.36	.30	.12	.09	.21	.09	.18	.39	.00	5.82
3.1- 4.0	1	12	17	5	14	21	33	31	20	13	4	5	8	7	8	9	0	208
(1)	.06	.70	.99	.29	.81	1.22	1.92	1.80	1.16	.76	.23	.29	.47	.41	.47	.52	.00	12.11
(2)	.03	.36	.50	.15	.42	.62	.98	.92	.59	.39	.12	.15	.24	.21	.24	.27	.00	6.17
4.1- 5.0	8	21	19	1	2	18	51	37	29	24	13	7	5	9	9	8	0	261
(1)	.47	1.22	1.11	.06	.12	1.05	2.97	2.15	1.69	1.40	.76	.41	.29	.52	.52	.47	.00	15.19
(2)	.24	.62	.56	.03	.06	.53	1.51	1.10	.86	.71	.39	.21	.15	.27	.27	.24	.00	7.75
5.1- 6.0	10	19	8	0	0	19	23	12	26	15	16	13	6	8	18	11	0	204
(1)	.58	1.11	.47	.00	.00	1.11	1.34	.70	1.51	.87	.93	.76	.35	.47	1.05	.64	.00	11.87
(2)	.30	.56	.24	.00	.00	.56	.68	.36	.77	.45	.47	.39	.18	.24	.53	.33	.00	6.06
6.1- 8.0	22	22	2	0	0	17	50	17	16	4	44	32	19	35	35	27	0	342
(1)	1.28	1.28	.12	.00	.00	.99	2.91	.99	.93	.23	2.56	1.86	1.11	2.04	2.04	1.57	.00	19.91
(2)	.65	.65	.06	.00	.00	.50	1.48	.50	.47	.12	1.31	.95	.56	1.04	1.04	.80	.00	10.15
8.1-10.0	8	4	0	0	0	6	20	5	4	0	9	32	16	21	15	7	0	147
(1)	.47	.23	.00	.00	.00	.35	1.16	.29	.23	.00	.52	1.86	.93	1.22	.87	.41	.00	8.56
(2)	.24	.12	.00	.00	.00	.18	.59	.15	.12	.00	.27	.95	.47	.62	.45	.21	.00	4.36
10.1-40.3	0	0	0	0	0	0	0	0	0	0	1	64	69	71	15	8	0	228
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	3.73	4.02	4.13	.87	.47	.00	13.27
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	1.90	2.05	2.11	.45	.24	.00	6.77
ALL SPEEDS	61	107	91	39	34	104	217	125	118	71	99	159	135	157	110	91	0	1718
(1)	3.55	6.23	5.30	2.27	1.98	6.05	12.63	7.28	6.87	4.13	5.76	9.25	7.86	9.14	6.40	5.30	.00	100.00
(2)	1.81	3.18	2.70	1.16	1.01	3.09	6.44	3.71	3.50	2.11	2.94	4.72	4.01	4.66	3.27	2.70	.00	50.99

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Table 2.3-52—{NMPNS 100 ft (30-m) 2001-2005 February JFD}

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NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 22.26

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	0	0	4
(1)	.00	.00	.00	.13	.00	.00	.00	.00	.00	.00	.13	.13	.00	.00	.13	.00	.00	.53
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.03	.00	.00	.12
1.1- 1.5	0	0	0	2	6	3	0	3	6	1	2	1	0	0	0	1	0	25
(1)	.00	.00	.00	.27	.80	.40	.00	.40	.80	.13	.27	.13	.00	.00	.00	.13	.00	3.33
(2)	.00	.00	.00	.06	.18	.09	.00	.09	.18	.03	.06	.03	.00	.00	.00	.03	.00	.74
1.6- 2.0	1	0	3	4	5	6	5	2	3	1	1	1	0	1	0	1	0	34
(1)	.13	.00	.40	.53	.67	.80	.67	.27	.40	.13	.13	.13	.00	.13	.00	.13	.00	4.53
(2)	.03	.00	.09	.12	.15	.18	.15	.06	.09	.03	.03	.03	.00	.03	.00	.03	.00	1.01
2.1- 3.0	0	4	8	6	11	21	9	16	9	6	4	9	1	2	0	1	0	107
(1)	.00	.53	1.07	.80	1.47	2.80	1.20	2.13	1.20	.80	.53	1.20	.13	.27	.00	.13	.00	14.27
(2)	.00	.12	.24	.18	.33	.62	.27	.47	.27	.18	.12	.27	.03	.06	.00	.03	.00	3.18
3.1- 4.0	0	3	3	4	1	11	22	27	10	11	5	6	1	2	1	0	0	107
(1)	.00	.40	.40	.53	.13	1.47	2.93	3.60	1.33	1.47	.67	.80	.13	.27	.13	.00	.00	14.27
(2)	.00	.09	.09	.12	.03	.33	.65	.80	.30	.33	.15	.18	.03	.06	.03	.00	.00	3.18
4.1- 5.0	0	2	0	0	3	8	41	36	31	24	10	4	1	1	2	1	0	164
(1)	.00	.27	.00	.00	.40	1.07	5.47	4.80	4.13	3.20	1.33	.53	.13	.13	.27	.13	.00	21.87
(2)	.00	.06	.00	.00	.09	.24	1.22	1.07	.92	.71	.30	.12	.03	.03	.06	.03	.00	4.87
5.1- 6.0	0	0	0	0	0	10	42	40	13	5	10	15	3	0	3	0	0	141
(1)	.00	.00	.00	.00	.00	1.33	5.60	5.33	1.73	.67	1.33	2.00	.40	.00	.40	.00	.00	18.80
(2)	.00	.00	.00	.00	.00	.30	1.25	1.19	.39	.15	.30	.45	.09	.00	.09	.00	.00	4.19
6.1- 8.0	1	0	0	0	0	0	21	17	7	1	9	26	6	4	3	1	0	96
(1)	.13	.00	.00	.00	.00	.00	2.80	2.27	.93	.13	1.20	3.47	.80	.53	.40	.13	.00	12.80
(2)	.03	.00	.00	.00	.00	.00	.62	.50	.21	.03	.27	.77	.18	.12	.09	.03	.00	2.85
8.1-10.0	0	0	0	0	0	0	2	1	2	0	4	10	3	5	4	0	0	31
(1)	.00	.00	.00	.00	.00	.00	.27	.13	.27	.00	.53	1.33	.40	.67	.53	.00	.00	4.13
(2)	.00	.00	.00	.00	.00	.00	.06	.03	.06	.00	.12	.30	.09	.15	.12	.00	.00	.92
10.1-40.3	0	0	0	0	0	0	0	0	0	0	4	16	15	6	0	0	0	41
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.53	2.13	2.00	.80	.00	.00	.00	5.47
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.47	.45	.18	.00	.00	.00	1.22
ALL SPEEDS	2	9	14	17	26	59	142	142	81	49	50	89	30	21	14	5	0	750
(1)	.27	1.20	1.87	2.27	3.47	7.87	18.93	18.93	10.80	6.53	6.67	11.87	4.00	2.80	1.87	.67	.00	100.00
(2)	.06	.27	.42	.50	.77	1.75	4.21	4.21	2.40	1.45	1.48	2.64	.89	.62	.42	.15	.00	22.26

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Table 2.3-52—{NMPNS 100 ft (30-m) 2001-2005 February JFD}

(Page 6 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 2.97

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	1.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	0	1	1	0	1	0	1	0	1	0	0	0	0	0	0	0	5
(1)	.00	.00	1.00	1.00	.00	1.00	.00	1.00	.00	1.00	.00	.00	.00	.00	.00	.00	.00	5.00
(2)	.00	.00	.03	.03	.00	.03	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.15
1.6- 2.0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	4
(1)	.00	.00	1.00	.00	.00	1.00	.00	.00	1.00	.00	1.00	.00	.00	.00	.00	.00	.00	4.00
(2)	.00	.00	.03	.00	.00	.03	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.12
2.1- 3.0	0	0	1	1	1	3	6	1	2	1	1	0	0	0	0	0	0	17
(1)	.00	.00	1.00	1.00	1.00	3.00	6.00	1.00	2.00	1.00	1.00	.00	.00	.00	.00	.00	.00	17.00
(2)	.00	.00	.03	.03	.03	.09	.18	.03	.06	.03	.03	.00	.00	.00	.00	.00	.00	.50
3.1- 4.0	0	0	0	0	1	7	10	9	2	0	2	1	2	0	0	0	0	34
(1)	.00	.00	.00	.00	1.00	7.00	10.00	9.00	2.00	.00	2.00	1.00	2.00	.00	.00	.00	.00	34.00
(2)	.00	.00	.00	.00	.03	.21	.30	.27	.06	.00	.06	.03	.06	.00	.00	.00	.00	1.01
4.1- 5.0	0	0	0	0	0	1	8	3	1	7	3	1	1	0	0	0	0	25
(1)	.00	.00	.00	.00	.00	1.00	8.00	3.00	1.00	7.00	3.00	1.00	1.00	.00	.00	.00	.00	25.00
(2)	.00	.00	.00	.00	.00	.03	.24	.09	.03	.21	.09	.03	.03	.00	.00	.00	.00	.74
5.1- 6.0	1	0	0	0	0	0	1	4	0	1	0	1	0	0	0	0	0	8
(1)	1.00	.00	.00	.00	.00	.00	1.00	4.00	.00	1.00	.00	1.00	.00	.00	.00	.00	.00	8.00
(2)	.03	.00	.00	.00	.00	.00	.03	.12	.00	.03	.00	.03	.00	.00	.00	.00	.00	.24
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.00	1.00	.00	.00	.00	.00	5.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.03	.00	.00	.00	.00	.15
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00	.00	.00	.00	.00	.00	1.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1	0	3	2	2	13	25	19	6	10	7	8	4	0	0	0	0	100
(1)	1.00	.00	3.00	2.00	2.00	13.00	25.00	19.00	6.00	10.00	7.00	8.00	4.00	.00	.00	.00	.00	100.00
(2)	.03	.00	.09	.06	.06	.39	.74	.56	.18	.30	.21	.24	.12	.00	.00	.00	.00	2.97

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Table 2.3-52—{NMPNS 100 ft (30-m) 2001-2005 February JFD}

(Page 7 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.90

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	1	2	0	1	0	2	0	0	0	1	0	0	2	0	0	9
(1)	.00	.00	1.56	3.13	.00	1.56	.00	3.13	.00	.00	.00	1.56	.00	.00	3.13	.00	.00	14.06
(2)	.00	.00	.03	.06	.00	.03	.00	.06	.00	.00	.00	.03	.00	.00	.06	.00	.00	.27
1.1- 1.5	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	1.56	.00	3.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.69
(2)	.00	.00	.00	.03	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09
1.6- 2.0	0	0	0	0	0	2	2	3	2	0	1	0	0	0	0	0	0	10
(1)	.00	.00	.00	.00	.00	3.13	3.13	4.69	3.13	.00	1.56	.00	.00	.00	.00	.00	.00	15.63
(2)	.00	.00	.00	.00	.00	.06	.06	.09	.06	.00	.03	.00	.00	.00	.00	.00	.00	.30
2.1- 3.0	0	0	0	1	1	1	2	7	3	3	0	0	0	0	0	0	0	18
(1)	.00	.00	.00	1.56	1.56	1.56	3.13	10.94	4.69	4.69	.00	.00	.00	.00	.00	.00	.00	28.13
(2)	.00	.00	.00	.03	.03	.03	.06	.21	.09	.09	.00	.00	.00	.00	.00	.00	.00	.53
3.1- 4.0	0	0	0	0	0	3	1	4	1	2	1	0	0	0	0	0	0	12
(1)	.00	.00	.00	.00	.00	4.69	1.56	6.25	1.56	3.13	1.56	.00	.00	.00	.00	.00	.00	18.75
(2)	.00	.00	.00	.00	.00	.09	.03	.12	.03	.06	.03	.00	.00	.00	.00	.00	.00	.36
4.1- 5.0	0	0	0	0	0	1	6	2	1	0	0	0	0	0	0	0	0	10
(1)	.00	.00	.00	.00	.00	1.56	9.38	3.13	1.56	.00	.00	.00	.00	.00	.00	.00	.00	15.63
(2)	.00	.00	.00	.00	.00	.03	.18	.06	.03	.00	.00	.00	.00	.00	.00	.00	.00	.30
5.1- 6.0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	3.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.13
(2)	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	1	4	1	10	11	20	7	5	2	1	0	0	2	0	0	64
(1)	.00	.00	1.56	6.25	1.56	15.63	17.19	31.25	10.94	7.81	3.13	1.56	.00	.00	3.13	.00	.00	100.00
(2)	.00	.00	.03	.12	.03	.30	.33	.59	.21	.15	.06	.03	.00	.00	.06	.00	.00	1.90

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Table 2.3-52—{NMPNS 100 ft (30-m) 2001-2005 February JFD}

(Page 8 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	1	6	0	1	0	3	0	1	3	2	0	0	5	0	0	23
(1)	.00	.03	.03	.18	.00	.03	.00	.09	.00	.03	.09	.06	.00	.00	.15	.00	.00	.68
(2)	.00	.03	.03	.18	.00	.03	.00	.09	.00	.03	.09	.06	.00	.00	.15	.00	.00	.68
1.1- 1.5	2	2	5	8	9	8	5	5	11	4	5	1	3	1	0	6	0	75
(1)	.06	.06	.15	.24	.27	.24	.15	.15	.33	.12	.15	.03	.09	.03	.00	.18	.00	2.23
(2)	.06	.06	.15	.24	.27	.24	.15	.15	.33	.12	.15	.03	.09	.03	.00	.18	.00	2.23
1.6- 2.0	8	8	16	19	15	17	15	11	12	3	6	4	2	3	2	10	0	151
(1)	.24	.24	.47	.56	.45	.50	.45	.33	.36	.09	.18	.12	.06	.09	.06	.30	.00	4.48
(2)	.24	.24	.47	.56	.45	.50	.45	.33	.36	.09	.18	.12	.06	.09	.06	.30	.00	4.48
2.1- 3.0	10	31	49	27	24	38	47	42	27	22	9	12	9	8	14	21	0	390
(1)	.30	.92	1.45	.80	.71	1.13	1.40	1.25	.80	.65	.27	.36	.27	.24	.42	.62	.00	11.58
(2)	.30	.92	1.45	.80	.71	1.13	1.40	1.25	.80	.65	.27	.36	.27	.24	.42	.62	.00	11.58
3.1- 4.0	2	24	25	10	16	44	70	74	35	27	12	13	12	14	14	15	0	407
(1)	.06	.71	.74	.30	.47	1.31	2.08	2.20	1.04	.80	.36	.39	.36	.42	.42	.45	.00	12.08
(2)	.06	.71	.74	.30	.47	1.31	2.08	2.20	1.04	.80	.36	.39	.36	.42	.42	.45	.00	12.08
4.1- 5.0	13	24	21	1	5	30	113	80	63	55	26	12	8	14	20	16	0	501
(1)	.39	.71	.62	.03	.15	.89	3.35	2.37	1.87	1.63	.77	.36	.24	.42	.59	.47	.00	14.87
(2)	.39	.71	.62	.03	.15	.89	3.35	2.37	1.87	1.63	.77	.36	.24	.42	.59	.47	.00	14.87
5.1- 6.0	22	24	8	0	0	29	67	60	39	21	26	29	10	13	29	19	0	396
(1)	.65	.71	.24	.00	.00	.86	1.99	1.78	1.16	.62	.77	.86	.30	.39	.86	.56	.00	11.75
(2)	.65	.71	.24	.00	.00	.86	1.99	1.78	1.16	.62	.77	.86	.30	.39	.86	.56	.00	11.75
6.1- 8.0	33	30	2	0	0	17	71	36	23	5	53	66	28	55	65	47	0	531
(1)	.98	.89	.06	.00	.00	.50	2.11	1.07	.68	.15	1.57	1.96	.83	1.63	1.93	1.40	.00	15.76
(2)	.98	.89	.06	.00	.00	.50	2.11	1.07	.68	.15	1.57	1.96	.83	1.63	1.93	1.40	.00	15.76
8.1-10.0	20	8	0	0	0	6	23	6	6	0	15	52	24	50	58	35	0	303
(1)	.59	.24	.00	.00	.00	.18	.68	.18	.18	.00	.45	1.54	.71	1.48	1.72	1.04	.00	8.99
(2)	.59	.24	.00	.00	.00	.18	.68	.18	.18	.00	.45	1.54	.71	1.48	1.72	1.04	.00	8.99
10.1-40.3	19	7	0	0	0	0	2	0	0	0	5	97	102	216	120	24	0	592
(1)	.56	.21	.00	.00	.00	.00	.06	.00	.00	.00	.15	2.88	3.03	6.41	3.56	.71	.00	17.57
(2)	.56	.21	.00	.00	.00	.00	.06	.00	.00	.00	.15	2.88	3.03	6.41	3.56	.71	.00	17.57
ALL SPEEDS	129	159	127	71	69	190	413	317	216	138	160	288	198	374	327	193	0	3369
(1)	3.83	4.72	3.77	2.11	2.05	5.64	12.26	9.41	6.41	4.10	4.75	8.55	5.88	11.10	9.71	5.73	.00	100.00
(2)	3.83	4.72	3.77	2.11	2.05	5.64	12.26	9.41	6.41	4.10	4.75	8.55	5.88	11.10	9.71	5.73	.00	100.00

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Table 2.3-53—{NMPNS 100 ft (30-m) 2001-2005 March JFD}

(Page 1 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 7.72

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	3	4	0	13
(1)	.37	.74	1.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.11	1.48	.00	4.81
(2)	.03	.06	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.11	.00	.37
3.1- 4.0	9	9	0	0	3	0	0	0	0	0	0	0	0	1	5	6	0	33
(1)	3.33	3.33	.00	.00	1.11	.00	.00	.00	.00	.00	.00	.00	.00	.37	1.85	2.22	.00	12.22
(2)	.26	.26	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.03	.14	.17	.00	.94
4.1- 5.0	5	6	0	0	0	1	1	0	0	0	0	0	1	1	1	1	0	17
(1)	1.85	2.22	.00	.00	.00	.37	.37	.00	.00	.00	.00	.00	.37	.37	.37	.37	.00	6.30
(2)	.14	.17	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.03	.03	.03	.03	.00	.49
5.1- 6.0	4	8	0	0	0	0	2	0	0	0	0	0	0	1	1	5	0	21
(1)	1.48	2.96	.00	.00	.00	.00	.74	.00	.00	.00	.00	.00	.00	.37	.37	1.85	.00	7.78
(2)	.11	.23	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.03	.03	.14	.00	.60
6.1- 8.0	7	8	0	0	0	0	2	0	0	0	0	0	1	1	1	3	0	23
(1)	2.59	2.96	.00	.00	.00	.00	.74	.00	.00	.00	.00	.00	.37	.37	.37	1.11	.00	8.52
(2)	.20	.23	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.03	.03	.03	.09	.00	.66
8.1-10.0	5	3	0	0	0	0	2	0	0	0	0	0	3	1	7	10	0	31
(1)	1.85	1.11	.00	.00	.00	.00	.74	.00	.00	.00	.00	.00	1.11	.37	2.59	3.70	.00	11.48
(2)	.14	.09	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.09	.03	.20	.29	.00	.89
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	15	26	38	40	12	0	132
(1)	.37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.56	9.63	14.07	14.81	4.44	.00	48.89
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.43	.74	1.09	1.14	.34	.00	3.77
ALL SPEEDS	32	36	3	0	3	1	7	0	0	0	0	15	31	43	58	41	0	270
(1)	11.85	13.33	1.11	.00	1.11	.37	2.59	.00	.00	.00	.00	5.56	11.48	15.93	21.48	15.19	.00	100.00
(2)	.91	1.03	.09	.00	.09	.03	.20	.00	.00	.00	.00	.43	.89	1.23	1.66	1.17	.00	7.72

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Table 2.3-53—{NMPNS 100 ft (30-m) 2001-2005 March JFD}

(Page 2 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 6.26

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	4	4	1	0	0	0	0	0	0	0	1	0	0	0	1	0	11
(1)	.00	1.83	1.83	.46	.00	.00	.00	.00	.00	.00	.00	.46	.00	.00	.00	.46	.00	5.02
(2)	.00	.11	.11	.03	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.00	.31
3.1- 4.0	4	3	1	0	1	0	0	1	2	0	0	1	2	0	3	2	0	20
(1)	1.83	1.37	.46	.00	.46	.00	.00	.46	.91	.00	.00	.46	.91	.00	1.37	.91	.00	9.13
(2)	.11	.09	.03	.00	.03	.00	.00	.03	.06	.00	.00	.03	.06	.00	.09	.06	.00	.57
4.1- 5.0	4	1	1	0	0	1	0	1	1	0	0	0	0	0	1	1	0	11
(1)	1.83	.46	.46	.00	.00	.46	.00	.46	.46	.00	.00	.00	.00	.00	.46	.46	.00	5.02
(2)	.11	.03	.03	.00	.00	.03	.00	.03	.03	.00	.00	.00	.00	.00	.03	.03	.00	.31
5.1- 6.0	4	2	2	0	0	0	1	1	0	0	0	3	0	1	0	4	0	18
(1)	1.83	.91	.91	.00	.00	.00	.46	.46	.00	.00	.00	1.37	.00	.46	.00	1.83	.00	8.22
(2)	.11	.06	.06	.00	.00	.00	.03	.03	.00	.00	.00	.09	.00	.03	.00	.11	.00	.51
6.1- 8.0	5	4	0	0	0	0	7	0	0	0	0	2	0	3	4	10	0	35
(1)	2.28	1.83	.00	.00	.00	.00	3.20	.00	.00	.00	.00	.91	.00	1.37	1.83	4.57	.00	15.98
(2)	.14	.11	.00	.00	.00	.00	.20	.00	.00	.00	.00	.06	.00	.09	.11	.29	.00	1.00
8.1-10.0	9	0	0	0	0	0	4	0	0	0	0	1	11	7	7	7	0	46
(1)	4.11	.00	.00	.00	.00	.00	1.83	.00	.00	.00	.00	.46	5.02	3.20	3.20	3.20	.00	21.00
(2)	.26	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.03	.31	.20	.20	.20	.00	1.31
10.1-40.3	5	0	0	0	0	0	1	0	0	0	0	9	10	29	19	5	0	78
(1)	2.28	.00	.00	.00	.00	.00	.46	.00	.00	.00	.00	4.11	4.57	13.24	8.68	2.28	.00	35.62
(2)	.14	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.26	.29	.83	.54	.14	.00	2.23
ALL SPEEDS	31	14	8	1	1	1	13	3	3	0	0	17	23	40	34	30	0	219
(1)	14.16	6.39	3.65	.46	.46	.46	5.94	1.37	1.37	.00	.00	7.76	10.50	18.26	15.53	13.70	.00	100.00
(2)	.89	.40	.23	.03	.03	.03	.37	.09	.09	.00	.00	.49	.66	1.14	.97	.86	.00	6.26

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Table 2.3-53—{NMPNS 100 ft (30-m) 2001-2005 March JFD}

(Page 3 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 6.86

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	.00	.00	.00	.42
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
2.1- 3.0	2	2	8	1	2	4	2	0	1	0	1	1	0	0	0	1	0	25
(1)	.83	.83	3.33	.42	.83	1.67	.83	.00	.42	.00	.42	.42	.00	.00	.00	.42	.00	10.42
(2)	.06	.06	.23	.03	.06	.11	.06	.00	.03	.00	.03	.03	.00	.00	.00	.03	.00	.71
3.1- 4.0	4	4	3	0	0	3	2	0	0	1	0	1	1	2	1	0	0	22
(1)	1.67	1.67	1.25	.00	.00	1.25	.83	.00	.00	.42	.00	.42	.42	.83	.42	.00	.00	9.17
(2)	.11	.11	.09	.00	.00	.09	.06	.00	.00	.03	.00	.03	.03	.06	.03	.00	.00	.63
4.1- 5.0	0	7	3	0	0	3	4	4	0	0	2	2	0	3	3	0	0	31
(1)	.00	2.92	1.25	.00	.00	1.25	1.67	1.67	.00	.00	.83	.83	.00	1.25	1.25	.00	.00	12.92
(2)	.00	.20	.09	.00	.00	.09	.11	.11	.00	.00	.06	.06	.00	.09	.09	.00	.00	.89
5.1- 6.0	5	3	1	0	0	0	4	1	1	0	0	2	6	4	4	1	0	32
(1)	2.08	1.25	.42	.00	.00	.00	1.67	.42	.42	.00	.00	.83	2.50	1.67	1.67	.42	.00	13.33
(2)	.14	.09	.03	.00	.00	.00	.11	.03	.03	.00	.00	.06	.17	.11	.11	.03	.00	.91
6.1- 8.0	6	3	0	0	0	0	1	1	1	0	1	3	4	11	9	0	0	40
(1)	2.50	1.25	.00	.00	.00	.00	.42	.42	.42	.00	.42	1.25	1.67	4.58	3.75	.00	.00	16.67
(2)	.17	.09	.00	.00	.00	.00	.03	.03	.03	.00	.03	.09	.11	.31	.26	.00	.00	1.14
8.1-10.0	3	1	0	0	0	0	1	1	0	0	2	2	8	6	6	6	0	36
(1)	1.25	.42	.00	.00	.00	.00	.42	.42	.00	.00	.83	.83	3.33	2.50	2.50	2.50	.00	15.00
(2)	.09	.03	.00	.00	.00	.00	.03	.03	.00	.00	.06	.06	.23	.17	.17	.17	.00	1.03
10.1-40.3	4	2	0	0	0	0	0	0	0	0	0	10	15	10	2	10	0	53
(1)	1.67	.83	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.17	6.25	4.17	.83	4.17	.00	22.08
(2)	.11	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.43	.29	.06	.29	.00	1.51
ALL SPEEDS	24	22	15	1	2	10	14	7	3	1	6	21	34	37	25	18	0	240
(1)	10.00	9.17	6.25	.42	.83	4.17	5.83	2.92	1.25	.42	2.50	8.75	14.17	15.42	10.42	7.50	.00	100.00
(2)	.69	.63	.43	.03	.06	.29	.40	.20	.09	.03	.17	.60	.97	1.06	.71	.51	.00	6.86

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Table 2.3-53—{NMPNS 100 ft (30-m) 2001-2005 March JFD}

(Page 4 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 47.10

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	2	2	1	4	2	0	1	1	3	0	1	1	1	1	0	1	0	21
(1)	.12	.12	.06	.24	.12	.00	.06	.06	.18	.00	.06	.06	.06	.06	.00	.06	.00	1.27
(2)	.06	.06	.03	.11	.06	.00	.03	.03	.09	.00	.03	.03	.03	.03	.00	.03	.00	.60
1.1- 1.5	1	2	5	8	2	3	4	3	1	1	1	1	2	0	3	0	0	37
(1)	.06	.12	.30	.49	.12	.18	.24	.18	.06	.06	.06	.06	.12	.00	.18	.00	.00	2.25
(2)	.03	.06	.14	.23	.06	.09	.11	.09	.03	.03	.03	.03	.06	.00	.09	.00	.00	1.06
1.6- 2.0	2	6	9	14	10	4	4	5	2	2	2	5	2	1	1	3	0	72
(1)	.12	.36	.55	.85	.61	.24	.24	.30	.12	.12	.12	.30	.12	.06	.06	.18	.00	4.37
(2)	.06	.17	.26	.40	.29	.11	.11	.14	.06	.06	.06	.14	.06	.03	.03	.09	.00	2.06
2.1- 3.0	12	26	26	13	12	6	18	8	10	12	3	6	7	3	6	7	0	175
(1)	.73	1.58	1.58	.79	.73	.36	1.09	.49	.61	.73	.18	.36	.42	.18	.36	.42	.00	10.62
(2)	.34	.74	.74	.37	.34	.17	.51	.23	.29	.34	.09	.17	.20	.09	.17	.20	.00	5.00
3.1- 4.0	8	12	16	14	15	12	29	12	9	12	4	13	9	11	11	7	0	194
(1)	.49	.73	.97	.85	.91	.73	1.76	.73	.55	.73	.24	.79	.55	.67	.67	.42	.00	11.77
(2)	.23	.34	.46	.40	.43	.34	.83	.34	.26	.34	.11	.37	.26	.31	.31	.20	.00	5.54
4.1- 5.0	7	9	12	3	5	27	34	33	23	23	6	23	7	11	8	8	0	239
(1)	.42	.55	.73	.18	.30	1.64	2.06	2.00	1.40	1.40	.36	1.40	.42	.67	.49	.49	.00	14.50
(2)	.20	.26	.34	.09	.14	.77	.97	.94	.66	.66	.17	.66	.20	.31	.23	.23	.00	6.83
5.1- 6.0	5	20	29	0	0	10	36	29	27	16	11	20	7	15	8	8	0	241
(1)	.30	1.21	1.76	.00	.00	.61	2.18	1.76	1.64	.97	.67	1.21	.42	.91	.49	.49	.00	14.62
(2)	.14	.57	.83	.00	.00	.29	1.03	.83	.77	.46	.31	.57	.20	.43	.23	.23	.00	6.89
6.1- 8.0	10	38	11	0	0	3	39	35	7	5	9	26	36	32	16	9	0	276
(1)	.61	2.31	.67	.00	.00	.18	2.37	2.12	.42	.30	.55	1.58	2.18	1.94	.97	.55	.00	16.75
(2)	.29	1.09	.31	.00	.00	.09	1.11	1.00	.20	.14	.26	.74	1.03	.91	.46	.26	.00	7.89
8.1-10.0	14	23	2	0	0	1	15	22	3	0	6	27	46	24	26	8	0	217
(1)	.85	1.40	.12	.00	.00	.06	.91	1.33	.18	.00	.36	1.64	2.79	1.46	1.58	.49	.00	13.17
(2)	.40	.66	.06	.00	.00	.03	.43	.63	.09	.00	.17	.77	1.31	.69	.74	.23	.00	6.20
10.1-40.3	12	6	0	0	0	0	2	2	1	0	1	32	70	37	8	5	0	176
(1)	.73	.36	.00	.00	.00	.00	.12	.12	.06	.00	.06	1.94	4.25	2.25	.49	.30	.00	10.68
(2)	.34	.17	.00	.00	.00	.00	.06	.06	.03	.00	.03	.91	2.00	1.06	.23	.14	.00	5.03
ALL SPEEDS	73	144	111	56	46	66	182	150	86	71	44	154	187	135	87	56	0	1648
(1)	4.43	8.74	6.74	3.40	2.79	4.00	11.04	9.10	5.22	4.31	2.67	9.34	11.35	8.19	5.28	3.40	.00	100.00
(2)	2.09	4.12	3.17	1.60	1.31	1.89	5.20	4.29	2.46	2.03	1.26	4.40	5.34	3.86	2.49	1.60	.00	47.10

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Table 2.3-53—{NMPNS 100 ft (30-m) 2001-2005 March JFD}

(Page 5 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 23.61

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	3	3	3	0	2	0	0	0	1	2	2	1	1	0	1	0	20
(1)	.12	.36	.36	.36	.00	.24	.00	.00	.00	.12	.24	.24	.12	.12	.00	.12	.00	2.42
(2)	.03	.09	.09	.09	.00	.06	.00	.00	.00	.03	.06	.06	.03	.03	.00	.03	.00	.57
1.1- 1.5	0	3	2	5	4	2	0	4	1	0	1	2	3	1	1	3	0	32
(1)	.00	.36	.24	.61	.48	.24	.00	.48	.12	.00	.12	.24	.36	.12	.12	.36	.00	3.87
(2)	.00	.09	.06	.14	.11	.06	.00	.11	.03	.00	.03	.06	.09	.03	.03	.09	.00	.91
1.6- 2.0	1	0	10	15	7	1	1	2	3	1	2	0	4	3	3	1	0	54
(1)	.12	.00	1.21	1.82	.85	.12	.12	.24	.36	.12	.24	.00	.48	.36	.36	.12	.00	6.54
(2)	.03	.00	.29	.43	.20	.03	.03	.06	.09	.03	.06	.00	.11	.09	.09	.03	.00	1.54
2.1- 3.0	4	9	10	17	16	13	13	11	4	7	5	5	6	2	3	0	0	125
(1)	.48	1.09	1.21	2.06	1.94	1.57	1.57	1.33	.48	.85	.61	.61	.73	.24	.36	.00	.00	15.13
(2)	.11	.26	.29	.49	.46	.37	.37	.31	.11	.20	.14	.14	.17	.06	.09	.00	.00	3.57
3.1- 4.0	4	7	4	3	4	16	16	13	9	8	13	10	6	6	0	0	0	119
(1)	.48	.85	.48	.36	.48	1.94	1.94	1.57	1.09	.97	1.57	1.21	.73	.73	.00	.00	.00	14.41
(2)	.11	.20	.11	.09	.11	.46	.46	.37	.26	.23	.37	.29	.17	.17	.00	.00	.00	3.40
4.1- 5.0	2	3	3	0	0	8	27	27	17	2	2	16	3	1	0	3	0	114
(1)	.24	.36	.36	.00	.00	.97	3.27	3.27	2.06	.24	.24	1.94	.36	.12	.00	.36	.00	13.80
(2)	.06	.09	.09	.00	.00	.23	.77	.77	.49	.06	.06	.46	.09	.03	.00	.09	.00	3.26
5.1- 6.0	4	9	2	0	0	12	37	39	12	4	5	20	2	1	2	2	0	151
(1)	.48	1.09	.24	.00	.00	1.45	4.48	4.72	1.45	.48	.61	2.42	.24	.12	.24	.24	.00	18.28
(2)	.11	.26	.06	.00	.00	.34	1.06	1.11	.34	.11	.14	.57	.06	.03	.06	.06	.00	4.32
6.1- 8.0	5	10	1	0	0	5	14	36	13	3	6	29	13	6	3	2	0	146
(1)	.61	1.21	.12	.00	.00	.61	1.69	4.36	1.57	.36	.73	3.51	1.57	.73	.36	.24	.00	17.68
(2)	.14	.29	.03	.00	.00	.14	.40	1.03	.37	.09	.17	.83	.37	.17	.09	.06	.00	4.17
8.1-10.0	4	0	0	0	0	1	1	7	0	0	1	11	5	2	0	0	0	32
(1)	.48	.00	.00	.00	.00	.12	.12	.85	.00	.00	.12	1.33	.61	.24	.00	.00	.00	3.87
(2)	.11	.00	.00	.00	.00	.03	.03	.20	.00	.00	.03	.31	.14	.06	.00	.00	.00	.91
10.1-40.3	0	0	0	0	0	0	0	0	0	1	0	16	15	1	0	0	0	33
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.00	1.94	1.82	.12	.00	.00	.00	4.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.46	.43	.03	.00	.00	.00	.94
ALL SPEEDS	25	44	35	43	31	60	109	139	59	27	37	111	58	24	12	12	0	826
(1)	3.03	5.33	4.24	5.21	3.75	7.26	13.20	16.83	7.14	3.27	4.48	13.44	7.02	2.91	1.45	1.45	.00	100.00
(2)	.71	1.26	1.00	1.23	.89	1.71	3.12	3.97	1.69	.77	1.06	3.17	1.66	.69	.34	.34	.00	23.61

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Table 2.3-53—{NMPNS 100 ft (30-m) 2001-2005 March JFD}

(Page 6 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 5.26

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	1.09	.00	.54	.00	.00	.00	.00	.00	.00	1.63
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.03	.00	.00	.00	.00	.00	.00	.09
1.1- 1.5	1	0	1	2	3	2	1	0	1	2	2	1	0	0	0	0	0	16
(1)	.54	.00	.54	1.09	1.63	1.09	.54	.00	.54	1.09	1.09	.54	.00	.00	.00	.00	.00	8.70
(2)	.03	.00	.03	.06	.09	.06	.03	.00	.03	.06	.06	.03	.00	.00	.00	.00	.00	.46
1.6- 2.0	2	1	1	1	0	0	2	1	3	1	2	0	1	0	0	0	0	15
(1)	1.09	.54	.54	.54	.00	.00	1.09	.54	1.63	.54	1.09	.00	.54	.00	.00	.00	.00	8.15
(2)	.06	.03	.03	.03	.00	.00	.06	.03	.09	.03	.06	.00	.03	.00	.00	.00	.00	.43
2.1- 3.0	1	2	3	5	7	2	5	5	6	3	3	3	5	3	1	1	0	55
(1)	.54	1.09	1.63	2.72	3.80	1.09	2.72	2.72	3.26	1.63	1.63	1.63	2.72	1.63	.54	.54	.00	29.89
(2)	.03	.06	.09	.14	.20	.06	.14	.14	.17	.09	.09	.09	.14	.09	.03	.03	.00	1.57
3.1- 4.0	2	3	2	0	2	6	9	7	5	1	1	1	1	0	1	2	0	43
(1)	1.09	1.63	1.09	.00	1.09	3.26	4.89	3.80	2.72	.54	.54	.54	.54	.00	.54	1.09	.00	23.37
(2)	.06	.09	.06	.00	.06	.17	.26	.20	.14	.03	.03	.03	.03	.00	.03	.06	.00	1.23
4.1- 5.0	0	5	0	0	0	3	1	8	6	0	0	4	1	0	0	0	0	28
(1)	.00	2.72	.00	.00	.00	1.63	.54	4.35	3.26	.00	.00	2.17	.54	.00	.00	.00	.00	15.22
(2)	.00	.14	.00	.00	.00	.09	.03	.23	.17	.00	.00	.11	.03	.00	.00	.00	.00	.80
5.1- 6.0	2	0	0	0	0	1	1	2	2	1	0	3	2	0	0	0	0	14
(1)	1.09	.00	.00	.00	.00	.54	.54	1.09	1.09	.54	.00	1.63	1.09	.00	.00	.00	.00	7.61
(2)	.06	.00	.00	.00	.00	.03	.03	.06	.06	.03	.00	.09	.06	.00	.00	.00	.00	.40
6.1- 8.0	2	0	0	0	0	0	0	0	1	0	0	1	1	0	1	0	0	6
(1)	1.09	.00	.00	.00	.00	.00	.00	.00	.54	.00	.00	.54	.54	.00	.54	.00	.00	3.26
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.03	.00	.03	.00	.00	.17
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.09	1.09	.00	.00	.00	.00	2.17
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.06	.00	.00	.00	.00	.11
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	10	11	7	8	12	14	19	23	26	8	9	15	13	3	3	3	0	184
(1)	5.43	5.98	3.80	4.35	6.52	7.61	10.33	12.50	14.13	4.35	4.89	8.15	7.07	1.63	1.63	1.63	.00	100.00
(2)	.29	.31	.20	.23	.34	.40	.54	.66	.74	.23	.26	.43	.37	.09	.09	.09	.00	5.26

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Table 2.3-53—{NMPNS 100 ft (30-m) 2001-2005 March JFD}

(Page 7 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 3.20

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	2	0	0	1	0	0	0	0	0	0	1	0	0	0	4
(1)	.00	.00	.00	1.79	.00	.00	.89	.00	.00	.00	.00	.00	.00	.89	.00	.00	.00	3.57
(2)	.00	.00	.00	.06	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.11
1.1- 1.5	1	0	2	0	2	0	1	0	0	1	0	1	1	0	1	0	0	10
(1)	.89	.00	1.79	.00	1.79	.00	.89	.00	.00	.89	.00	.89	.89	.00	.89	.00	.00	8.93
(2)	.03	.00	.06	.00	.06	.00	.03	.00	.00	.03	.00	.03	.03	.00	.03	.00	.00	.29
1.6- 2.0	0	0	1	2	0	1	2	2	1	2	1	4	2	0	0	0	0	18
(1)	.00	.00	.89	1.79	.00	.89	1.79	1.79	.89	1.79	.89	3.57	1.79	.00	.00	.00	.00	16.07
(2)	.00	.00	.03	.06	.00	.03	.06	.06	.03	.06	.03	.11	.06	.00	.00	.00	.00	.51
2.1- 3.0	1	0	0	1	5	4	1	5	3	4	3	3	1	0	0	1	0	32
(1)	.89	.00	.00	.89	4.46	3.57	.89	4.46	2.68	3.57	2.68	2.68	.89	.00	.00	.89	.00	28.57
(2)	.03	.00	.00	.03	.14	.11	.03	.14	.09	.11	.09	.09	.03	.00	.00	.03	.00	.91
3.1- 4.0	0	0	0	0	1	4	4	4	3	1	1	3	0	0	1	0	0	22
(1)	.00	.00	.00	.00	.89	3.57	3.57	3.57	2.68	.89	.89	2.68	.00	.00	.89	.00	.00	19.64
(2)	.00	.00	.00	.00	.03	.11	.11	.11	.09	.03	.03	.09	.00	.00	.03	.00	.00	.63
4.1- 5.0	1	0	0	0	0	3	0	5	4	0	0	1	1	1	0	1	0	17
(1)	.89	.00	.00	.00	.00	2.68	.00	4.46	3.57	.00	.00	.89	.89	.89	.00	.89	.00	15.18
(2)	.03	.00	.00	.00	.00	.09	.00	.14	.11	.00	.00	.03	.03	.03	.00	.03	.00	.49
5.1- 6.0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	7
(1)	1.79	.89	.00	.00	.00	.00	.89	.00	.00	.00	.00	.00	.00	.00	2.68	.00	.00	6.25
(2)	.06	.03	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.20
6.1- 8.0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
(1)	.89	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.89	.00	.00	.00	.00	.00	1.79
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.06
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	6	1	3	5	8	12	10	16	11	8	5	13	5	2	5	2	0	112
(1)	5.36	.89	2.68	4.46	7.14	10.71	8.93	14.29	9.82	7.14	4.46	11.61	4.46	1.79	4.46	1.79	.00	100.00
(2)	.17	.03	.09	.14	.23	.34	.29	.46	.31	.23	.14	.37	.14	.06	.14	.06	.00	3.20

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Table 2.3-53—{NMPNS 100 ft (30-m) 2001-2005 March JFD}

(Page 8 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	5	4	9	2	2	2	1	5	1	4	3	2	3	0	2	0	48
(1)	.09	.14	.11	.26	.06	.06	.06	.03	.14	.03	.11	.09	.06	.09	.00	.06	.00	1.37
(2)	.09	.14	.11	.26	.06	.06	.06	.03	.14	.03	.11	.09	.06	.09	.00	.06	.00	1.37
1.1- 1.5	3	5	10	15	11	7	6	7	3	4	4	5	6	1	5	3	0	95
(1)	.09	.14	.29	.43	.31	.20	.17	.20	.09	.11	.11	.14	.17	.03	.14	.09	.00	2.72
(2)	.09	.14	.29	.43	.31	.20	.17	.20	.09	.11	.11	.14	.17	.03	.14	.09	.00	2.72
1.6- 2.0	5	7	21	32	17	6	9	10	9	6	7	9	9	5	4	4	0	160
(1)	.14	.20	.60	.91	.49	.17	.26	.29	.26	.17	.20	.26	.26	.14	.11	.11	.00	4.57
(2)	.14	.20	.60	.91	.49	.17	.26	.29	.26	.17	.20	.26	.26	.14	.11	.11	.00	4.57
2.1- 3.0	21	45	54	38	42	29	39	29	24	26	15	19	19	8	13	15	0	436
(1)	.60	1.29	1.54	1.09	1.20	.83	1.11	.83	.69	.74	.43	.54	.54	.23	.37	.43	.00	12.46
(2)	.60	1.29	1.54	1.09	1.20	.83	1.11	.83	.69	.74	.43	.54	.54	.23	.37	.43	.00	12.46
3.1- 4.0	31	38	26	17	26	41	60	37	28	23	19	29	19	20	22	17	0	453
(1)	.89	1.09	.74	.49	.74	1.17	1.71	1.06	.80	.66	.54	.83	.54	.57	.63	.49	.00	12.95
(2)	.89	1.09	.74	.49	.74	1.17	1.71	1.06	.80	.66	.54	.83	.54	.57	.63	.49	.00	12.95
4.1- 5.0	19	31	19	3	5	46	67	78	51	25	10	46	13	17	13	14	0	457
(1)	.54	.89	.54	.09	.14	1.31	1.91	2.23	1.46	.71	.29	1.31	.37	.49	.37	.40	.00	13.06
(2)	.54	.89	.54	.09	.14	1.31	1.91	2.23	1.46	.71	.29	1.31	.37	.49	.37	.40	.00	13.06
5.1- 6.0	26	43	34	0	0	23	82	72	42	21	16	48	17	22	18	20	0	484
(1)	.74	1.23	.97	.00	.00	.66	2.34	2.06	1.20	.60	.46	1.37	.49	.63	.51	.57	.00	13.83
(2)	.74	1.23	.97	.00	.00	.66	2.34	2.06	1.20	.60	.46	1.37	.49	.63	.51	.57	.00	13.83
6.1- 8.0	36	63	12	0	0	8	63	72	22	8	16	62	55	53	34	24	0	528
(1)	1.03	1.80	.34	.00	.00	.23	1.80	2.06	.63	.23	.46	1.77	1.57	1.51	.97	.69	.00	15.09
(2)	1.03	1.80	.34	.00	.00	.23	1.80	2.06	.63	.23	.46	1.77	1.57	1.51	.97	.69	.00	15.09
8.1-10.0	35	27	2	0	0	2	23	30	3	0	9	43	75	40	46	31	0	366
(1)	1.00	.77	.06	.00	.00	.06	.66	.86	.09	.00	.26	1.23	2.14	1.14	1.31	.89	.00	10.46
(2)	1.00	.77	.06	.00	.00	.06	.66	.86	.09	.00	.26	1.23	2.14	1.14	1.31	.89	.00	10.46
10.1-40.3	22	8	0	0	0	0	3	2	1	1	1	82	136	115	69	32	0	472
(1)	.63	.23	.00	.00	.00	.00	.09	.06	.03	.03	.03	2.34	3.89	3.29	1.97	.91	.00	13.49
(2)	.63	.23	.00	.00	.00	.00	.09	.06	.03	.03	.03	2.34	3.89	3.29	1.97	.91	.00	13.49
ALL SPEEDS	201	272	182	114	103	164	354	338	188	115	101	346	351	284	224	162	0	3499
(1)	5.74	7.77	5.20	3.26	2.94	4.69	10.12	9.66	5.37	3.29	2.89	9.89	10.03	8.12	6.40	4.63	.00	100.00
(2)	5.74	7.77	5.20	3.26	2.94	4.69	10.12	9.66	5.37	3.29	2.89	9.89	10.03	8.12	6.40	4.63	.00	100.00

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Table 2.3-54—{NMPNS 100 ft (30-m) 2001-2005 April JFD}

(Page 1 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 4.30

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.70	.00	.70
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03
2.1- 3.0	0	2	2	0	0	0	0	0	0	0	0	0	0	1	3	2	0	10
(1)	.00	1.40	1.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.70	2.10	1.40	.00	6.99
(2)	.00	.06	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.09	.06	.00	.30
3.1- 4.0	1	3	0	0	0	0	0	0	0	0	0	0	0	2	7	3	0	16
(1)	.70	2.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.40	4.90	2.10	.00	11.19
(2)	.03	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.21	.09	.00	.48
4.1- 5.0	2	3	0	0	0	0	0	0	0	0	0	2	0	0	1	4	0	12
(1)	1.40	2.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.40	.00	.00	.70	2.80	.00	8.39
(2)	.06	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.03	.12	.00	.36
5.1- 6.0	3	3	0	0	0	0	1	0	0	0	0	3	0	0	1	5	0	16
(1)	2.10	2.10	.00	.00	.00	.00	.70	.00	.00	.00	.00	2.10	.00	.00	.70	3.50	.00	11.19
(2)	.09	.09	.00	.00	.00	.00	.03	.00	.00	.00	.00	.09	.00	.00	.03	.15	.00	.48
6.1- 8.0	3	5	1	0	0	0	2	1	0	0	0	10	0	1	2	5	0	30
(1)	2.10	3.50	.70	.00	.00	.00	1.40	.70	.00	.00	.00	6.99	.00	.70	1.40	3.50	.00	20.98
(2)	.09	.15	.03	.00	.00	.00	.06	.03	.00	.00	.00	.30	.00	.03	.06	.15	.00	.90
8.1-10.0	3	3	0	0	0	0	0	2	0	0	0	3	3	5	3	6	0	28
(1)	2.10	2.10	.00	.00	.00	.00	.00	1.40	.00	.00	.00	2.10	2.10	3.50	2.10	4.20	.00	19.58
(2)	.09	.09	.00	.00	.00	.00	.00	.06	.00	.00	.00	.09	.09	.15	.09	.18	.00	.84
10.1-40.3	2	1	0	0	0	0	0	0	0	0	0	1	4	4	0	18	0	30
(1)	1.40	.70	.00	.00	.00	.00	.00	.00	.00	.00	.00	.70	2.80	2.80	.00	12.59	.00	20.98
(2)	.06	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.12	.12	.00	.54	.00	.90
ALL SPEEDS	14	20	3	0	0	0	3	3	0	0	0	19	7	13	17	44	0	143
(1)	9.79	13.99	2.10	.00	.00	.00	2.10	2.10	.00	.00	.00	13.29	4.90	9.09	11.89	30.77	.00	100.00
(2)	.42	.60	.09	.00	.00	.00	.09	.09	.00	.00	.00	.57	.21	.39	.51	1.32	.00	4.30

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Table 2.3-54—{NMPNS 100 ft (30-m) 2001-2005 April JFD}

(Page 2 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.70

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.81	.00	.00	.00	.81
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
1.6- 2.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.81	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.81
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
2.1- 3.0	1	4	2	0	0	0	1	0	0	0	0	0	1	1	0	0	0	10
(1)	.81	3.25	1.63	.00	.00	.00	.81	.00	.00	.00	.00	.00	.81	.81	.00	.00	.00	8.13
(2)	.03	.12	.06	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.30
3.1- 4.0	1	1	0	0	0	0	2	2	0	0	0	1	0	0	0	1	0	8
(1)	.81	.81	.00	.00	.00	.00	1.63	1.63	.00	.00	.00	.81	.00	.00	.00	.81	.00	6.50
(2)	.03	.03	.00	.00	.00	.00	.06	.06	.00	.00	.00	.03	.00	.00	.00	.03	.00	.24
4.1- 5.0	0	0	0	0	0	0	0	1	0	0	0	3	0	0	2	1	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.81	.00	.00	.00	2.44	.00	.00	1.63	.81	.00	5.69
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.09	.00	.00	.06	.03	.00	.21
5.1- 6.0	1	0	1	0	0	1	0	1	0	0	0	7	0	0	0	3	0	14
(1)	.81	.00	.81	.00	.00	.81	.00	.81	.00	.00	.00	5.69	.00	.00	.00	2.44	.00	11.38
(2)	.03	.00	.03	.00	.00	.03	.00	.03	.00	.00	.00	.21	.00	.00	.00	.09	.00	.42
6.1- 8.0	3	2	0	0	0	0	0	6	1	0	0	8	2	1	3	2	0	28
(1)	2.44	1.63	.00	.00	.00	.00	.00	4.88	.81	.00	.00	6.50	1.63	.81	2.44	1.63	.00	22.76
(2)	.09	.06	.00	.00	.00	.00	.00	.18	.03	.00	.00	.24	.06	.03	.09	.06	.00	.84
8.1-10.0	5	0	0	0	0	0	0	2	0	0	0	3	4	3	2	1	0	20
(1)	4.07	.00	.00	.00	.00	.00	.00	1.63	.00	.00	.00	2.44	3.25	2.44	1.63	.81	.00	16.26
(2)	.15	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.09	.12	.09	.06	.03	.00	.60
10.1-40.3	1	1	0	0	0	0	0	0	0	0	0	8	14	7	0	3	0	34
(1)	.81	.81	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.50	11.38	5.69	.00	2.44	.00	27.64
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.42	.21	.00	.09	.00	1.02
ALL SPEEDS	13	8	3	0	0	1	3	12	1	0	0	30	21	13	7	11	0	123
(1)	10.57	6.50	2.44	.00	.00	.81	2.44	9.76	.81	.00	.00	24.39	17.07	10.57	5.69	8.94	.00	100.00
(2)	.39	.24	.09	.00	.00	.03	.09	.36	.03	.00	.00	.90	.63	.39	.21	.33	.00	3.70

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Table 2.3-54—{NMPNS 100 ft (30-m) 2001-2005 April JFD}

(Page 3 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 6.28

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48	.00	.48
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03
1.6- 2.0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
2.1- 3.0	3	3	2	0	0	0	1	0	0	0	0	1	1	2	0	2	0	15
(1)	1.44	1.44	.96	.00	.00	.00	.48	.00	.00	.00	.00	.48	.48	.96	.00	.96	.00	7.18
(2)	.09	.09	.06	.00	.00	.00	.03	.00	.00	.00	.00	.03	.03	.06	.00	.06	.00	.45
3.1- 4.0	2	1	4	0	0	1	0	1	2	1	0	3	2	2	2	0	0	21
(1)	.96	.48	1.91	.00	.00	.48	.00	.48	.96	.48	.00	1.44	.96	.96	.96	.00	.00	10.05
(2)	.06	.03	.12	.00	.00	.03	.00	.03	.06	.03	.00	.09	.06	.06	.06	.00	.00	.63
4.1- 5.0	4	2	2	0	0	2	2	3	2	0	0	8	0	2	2	1	0	30
(1)	1.91	.96	.96	.00	.00	.96	.96	1.44	.96	.00	.00	3.83	.00	.96	.96	.48	.00	14.35
(2)	.12	.06	.06	.00	.00	.06	.06	.09	.06	.00	.00	.24	.00	.06	.06	.03	.00	.90
5.1- 6.0	2	2	2	0	0	3	2	6	1	0	0	11	2	2	2	1	0	36
(1)	.96	.96	.96	.00	.00	1.44	.96	2.87	.48	.00	.00	5.26	.96	.96	.96	.48	.00	17.22
(2)	.06	.06	.06	.00	.00	.09	.06	.18	.03	.00	.00	.33	.06	.06	.06	.03	.00	1.08
6.1- 8.0	2	3	0	0	0	0	1	6	5	0	0	14	6	6	5	3	0	51
(1)	.96	1.44	.00	.00	.00	.00	.48	2.87	2.39	.00	.00	6.70	2.87	2.87	2.39	1.44	.00	24.40
(2)	.06	.09	.00	.00	.00	.00	.03	.18	.15	.00	.00	.42	.18	.18	.15	.09	.00	1.53
8.1-10.0	2	2	0	0	0	0	2	1	0	0	0	8	10	4	0	3	0	32
(1)	.96	.96	.00	.00	.00	.00	.96	.48	.00	.00	.00	3.83	4.78	1.91	.00	1.44	.00	15.31
(2)	.06	.06	.00	.00	.00	.00	.06	.03	.00	.00	.00	.24	.30	.12	.00	.09	.00	.96
10.1-40.3	2	0	0	0	0	0	0	2	0	0	0	4	6	1	3	4	0	22
(1)	.96	.00	.00	.00	.00	.00	.00	.96	.00	.00	.00	1.91	2.87	.48	1.44	1.91	.00	10.53
(2)	.06	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.12	.18	.03	.09	.12	.00	.66
ALL SPEEDS	17	13	11	0	0	6	8	19	10	1	0	49	27	19	14	15	0	209
(1)	8.13	6.22	5.26	.00	.00	2.87	3.83	9.09	4.78	.48	.00	23.44	12.92	9.09	6.70	7.18	.00	100.00
(2)	.51	.39	.33	.00	.00	.18	.24	.57	.30	.03	.00	1.47	.81	.57	.42	.45	.00	6.28

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Table 2.3-54—{NMPNS 100 ft (30-m) 2001-2005 April JFD}

(Page 4 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 36.09

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	2	2	5	1	0	0	1	0	1	0	0	0	2	2	0	0	17
(1)	.08	.17	.17	.42	.08	.00	.00	.08	.00	.08	.00	.00	.00	.17	.17	.00	.00	1.42
(2)	.03	.06	.06	.15	.03	.00	.00	.03	.00	.03	.00	.00	.00	.06	.06	.00	.00	.51
1.1- 1.5	3	2	2	5	4	1	1	2	1	2	1	2	1	0	2	2	0	31
(1)	.25	.17	.17	.42	.33	.08	.08	.17	.08	.17	.08	.17	.08	.00	.17	.17	.00	2.58
(2)	.09	.06	.06	.15	.12	.03	.03	.06	.03	.06	.03	.06	.03	.00	.06	.06	.00	.93
1.6- 2.0	1	0	8	6	4	1	3	2	2	1	0	3	1	0	2	2	0	36
(1)	.08	.00	.67	.50	.33	.08	.25	.17	.17	.08	.00	.25	.08	.00	.17	.17	.00	3.00
(2)	.03	.00	.24	.18	.12	.03	.09	.06	.06	.03	.00	.09	.03	.00	.06	.06	.00	1.08
2.1- 3.0	4	7	35	4	8	5	7	3	1	4	6	12	16	6	9	9	0	136
(1)	.33	.58	2.91	.33	.67	.42	.58	.25	.08	.33	.50	1.00	1.33	.50	.75	.75	.00	11.32
(2)	.12	.21	1.05	.12	.24	.15	.21	.09	.03	.12	.18	.36	.48	.18	.27	.27	.00	4.09
3.1- 4.0	7	9	26	7	7	11	15	9	7	4	5	31	22	7	3	1	0	171
(1)	.58	.75	2.16	.58	.58	.92	1.25	.75	.58	.33	.42	2.58	1.83	.58	.25	.08	.00	14.24
(2)	.21	.27	.78	.21	.21	.33	.45	.27	.21	.12	.15	.93	.66	.21	.09	.03	.00	5.14
4.1- 5.0	4	17	12	0	5	19	31	14	10	1	7	28	20	5	2	4	0	179
(1)	.33	1.42	1.00	.00	.42	1.58	2.58	1.17	.83	.08	.58	2.33	1.67	.42	.17	.33	.00	14.90
(2)	.12	.51	.36	.00	.15	.57	.93	.42	.30	.03	.21	.84	.60	.15	.06	.12	.00	5.38
5.1- 6.0	13	11	9	0	2	19	27	21	14	2	5	33	17	7	5	7	0	192
(1)	1.08	.92	.75	.00	.17	1.58	2.25	1.75	1.17	.17	.42	2.75	1.42	.58	.42	.58	.00	15.99
(2)	.39	.33	.27	.00	.06	.57	.81	.63	.42	.06	.15	.99	.51	.21	.15	.21	.00	5.77
6.1- 8.0	7	22	18	0	1	13	39	30	22	2	10	49	32	13	13	13	0	284
(1)	.58	1.83	1.50	.00	.08	1.08	3.25	2.50	1.83	.17	.83	4.08	2.66	1.08	1.08	1.08	.00	23.65
(2)	.21	.66	.54	.00	.03	.39	1.17	.90	.66	.06	.30	1.47	.96	.39	.39	.39	.00	8.53
8.1-10.0	10	9	2	0	0	1	15	6	0	0	2	29	18	4	2	16	0	114
(1)	.83	.75	.17	.00	.00	.08	1.25	.50	.00	.00	.17	2.41	1.50	.33	.17	1.33	.00	9.49
(2)	.30	.27	.06	.00	.00	.03	.45	.18	.00	.00	.06	.87	.54	.12	.06	.48	.00	3.43
10.1-40.3	8	3	0	0	0	0	1	0	0	0	0	6	12	3	5	3	0	41
(1)	.67	.25	.00	.00	.00	.00	.08	.00	.00	.00	.00	.50	1.00	.25	.42	.25	.00	3.41
(2)	.24	.09	.00	.00	.00	.00	.03	.00	.00	.00	.00	.18	.36	.09	.15	.09	.00	1.23
ALL SPEEDS	58	82	114	27	32	70	139	88	57	17	36	193	139	47	45	57	0	1201
(1)	4.83	6.83	9.49	2.25	2.66	5.83	11.57	7.33	4.75	1.42	3.00	16.07	11.57	3.91	3.75	4.75	.00	100.00
(2)	1.74	2.46	3.43	.81	.96	2.10	4.18	2.64	1.71	.51	1.08	5.80	4.18	1.41	1.35	1.71	.00	36.09

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Table 2.3-54—{NMPNS 100 ft (30-m) 2001-2005 April JFD}

(Page 5 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 28.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	2	4	0	0	1	0	0	1	0	1	1	0	1	0	0	0	0	11
(1)	.21	.43	.00	.00	.11	.00	.00	.11	.00	.11	.11	.00	.11	.00	.00	.00	.00	1.18
(2)	.06	.12	.00	.00	.03	.00	.00	.03	.00	.03	.03	.00	.03	.00	.00	.00	.00	.33
1.1- 1.5	2	3	5	7	3	1	2	0	1	0	3	5	1	5	1	4	0	43
(1)	.21	.32	.54	.75	.32	.11	.21	.00	.11	.00	.32	.54	.11	.54	.11	.43	.00	4.61
(2)	.06	.09	.15	.21	.09	.03	.06	.00	.03	.00	.09	.15	.03	.15	.03	.12	.00	1.29
1.6- 2.0	6	5	11	12	3	2	1	3	2	3	2	4	2	1	3	1	0	61
(1)	.64	.54	1.18	1.29	.32	.21	.11	.32	.21	.32	.21	.43	.21	.11	.32	.11	.00	6.55
(2)	.18	.15	.33	.36	.09	.06	.03	.09	.06	.09	.06	.12	.06	.03	.09	.03	.00	1.83
2.1- 3.0	13	10	16	16	10	10	6	8	5	3	9	24	11	3	4	5	0	153
(1)	1.39	1.07	1.72	1.72	1.07	1.07	.64	.86	.54	.32	.97	2.58	1.18	.32	.43	.54	.00	16.42
(2)	.39	.30	.48	.48	.30	.30	.18	.24	.15	.09	.27	.72	.33	.09	.12	.15	.00	4.60
3.1- 4.0	10	10	11	6	3	17	7	9	19	8	16	30	12	8	2	6	0	174
(1)	1.07	1.07	1.18	.64	.32	1.82	.75	.97	2.04	.86	1.72	3.22	1.29	.86	.21	.64	.00	18.67
(2)	.30	.30	.33	.18	.09	.51	.21	.27	.57	.24	.48	.90	.36	.24	.06	.18	.00	5.23
4.1- 5.0	1	7	2	1	2	9	21	15	13	9	9	22	12	3	2	3	0	131
(1)	.11	.75	.21	.11	.21	.97	2.25	1.61	1.39	.97	.97	2.36	1.29	.32	.21	.32	.00	14.06
(2)	.03	.21	.06	.03	.06	.27	.63	.45	.39	.27	.27	.66	.36	.09	.06	.09	.00	3.94
5.1- 6.0	2	7	3	0	1	3	27	30	18	4	7	15	7	7	3	8	0	142
(1)	.21	.75	.32	.00	.11	.32	2.90	3.22	1.93	.43	.75	1.61	.75	.75	.32	.86	.00	15.24
(2)	.06	.21	.09	.00	.03	.09	.81	.90	.54	.12	.21	.45	.21	.21	.09	.24	.00	4.27
6.1- 8.0	10	10	2	0	0	3	22	24	15	2	17	19	13	2	5	3	0	147
(1)	1.07	1.07	.21	.00	.00	.32	2.36	2.58	1.61	.21	1.82	2.04	1.39	.21	.54	.32	.00	15.77
(2)	.30	.30	.06	.00	.00	.09	.66	.72	.45	.06	.51	.57	.39	.06	.15	.09	.00	4.42
8.1-10.0	6	9	0	0	0	0	1	1	0	0	13	15	4	3	0	0	0	52
(1)	.64	.97	.00	.00	.00	.00	.11	.11	.00	.00	1.39	1.61	.43	.32	.00	.00	.00	5.58
(2)	.18	.27	.00	.00	.00	.00	.03	.03	.00	.00	.39	.45	.12	.09	.00	.00	.00	1.56
10.1-40.3	0	1	0	0	0	0	0	0	0	0	3	7	4	1	0	1	0	17
(1)	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.32	.75	.43	.11	.00	.11	.00	1.82
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.09	.21	.12	.03	.00	.03	.00	.51
ALL SPEEDS	52	67	50	42	23	45	87	91	73	30	80	141	67	33	20	31	0	932
(1)	5.58	7.19	5.36	4.51	2.47	4.83	9.33	9.76	7.83	3.22	8.58	15.13	7.19	3.54	2.15	3.33	.00	100.00
(2)	1.56	2.01	1.50	1.26	.69	1.35	2.61	2.73	2.19	.90	2.40	4.24	2.01	.99	.60	.93	.00	28.00

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Table 2.3-54—{NMPNS 100 ft (30-m) 2001-2005 April JFD}

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NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 12.26

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	4
(1)	.25	.25	.00	.25	.00	.00	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.98
(2)	.03	.03	.00	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12
.5- 1.0	2	3	3	3	3	0	0	1	0	2	1	2	1	0	0	1	0	22
(1)	.49	.74	.74	.74	.74	.00	.00	.25	.00	.49	.25	.49	.25	.00	.00	.25	.00	5.39
(2)	.06	.09	.09	.09	.09	.00	.00	.03	.00	.06	.03	.06	.03	.00	.00	.03	.00	.66
1.1- 1.5	1	1	9	3	1	1	2	1	1	1	1	1	3	2	0	1	0	29
(1)	.25	.25	2.21	.74	.25	.25	.49	.25	.25	.25	.25	.25	.74	.49	.00	.25	.00	7.11
(2)	.03	.03	.27	.09	.03	.03	.06	.03	.03	.03	.03	.03	.09	.06	.00	.03	.00	.87
1.6- 2.0	2	2	6	3	2	1	2	1	0	2	8	2	1	1	7	3	0	43
(1)	.49	.49	1.47	.74	.49	.25	.49	.25	.00	.49	1.96	.49	.25	.25	1.72	.74	.00	10.54
(2)	.06	.06	.18	.09	.06	.03	.06	.03	.00	.06	.24	.06	.03	.03	.21	.09	.00	1.29
2.1- 3.0	8	6	9	14	5	2	4	2	8	8	9	5	10	2	6	3	0	101
(1)	1.96	1.47	2.21	3.43	1.23	.49	.98	.49	1.96	1.96	2.21	1.23	2.45	.49	1.47	.74	.00	24.75
(2)	.24	.18	.27	.42	.15	.06	.12	.06	.24	.24	.27	.15	.30	.06	.18	.09	.00	3.03
3.1- 4.0	9	6	10	0	6	6	3	0	7	6	5	7	6	4	1	5	0	81
(1)	2.21	1.47	2.45	.00	1.47	1.47	.74	.00	1.72	1.47	1.23	1.72	1.47	.98	.25	1.23	.00	19.85
(2)	.27	.18	.30	.00	.18	.18	.09	.00	.21	.18	.15	.21	.18	.12	.03	.15	.00	2.43
4.1- 5.0	1	2	1	1	0	4	4	10	7	5	1	12	2	1	1	4	0	56
(1)	.25	.49	.25	.25	.00	.98	.98	2.45	1.72	1.23	.25	2.94	.49	.25	.25	.98	.00	13.73
(2)	.03	.06	.03	.03	.00	.12	.12	.30	.21	.15	.03	.36	.06	.03	.03	.12	.00	1.68
5.1- 6.0	0	2	0	0	0	0	6	2	1	0	1	4	1	3	0	1	0	21
(1)	.00	.49	.00	.00	.00	.00	1.47	.49	.25	.00	.25	.98	.25	.74	.00	.25	.00	5.15
(2)	.00	.06	.00	.00	.00	.00	.18	.06	.03	.00	.03	.12	.03	.09	.00	.03	.00	.63
6.1- 8.0	5	2	0	0	0	0	1	0	1	0	3	9	5	1	0	3	0	30
(1)	1.23	.49	.00	.00	.00	.00	.25	.00	.25	.00	.74	2.21	1.23	.25	.00	.74	.00	7.35
(2)	.15	.06	.00	.00	.00	.00	.03	.00	.03	.00	.09	.27	.15	.03	.00	.09	.00	.90
8.1-10.0	3	2	0	0	0	0	0	0	0	0	1	4	0	0	0	1	0	11
(1)	.74	.49	.00	.00	.00	.00	.00	.00	.00	.00	.25	.98	.00	.00	.00	.25	.00	2.70
(2)	.09	.06	.00	.00	.00	.00	.00	.00	.00	.00	.03	.12	.00	.00	.00	.03	.00	.33
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	7	2	0	0	0	0	10
(1)	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.72	.49	.00	.00	.00	.00	2.45
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.06	.00	.00	.00	.00	.30
ALL SPEEDS	33	27	38	25	17	14	23	17	25	24	30	53	31	14	15	22	0	408
(1)	8.09	6.62	9.31	6.13	4.17	3.43	5.64	4.17	6.13	5.88	7.35	12.99	7.60	3.43	3.68	5.39	.00	100.00
(2)	.99	.81	1.14	.75	.51	.42	.69	.51	.75	.72	.90	1.59	.93	.42	.45	.66	.00	12.26

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Table 2.3-54—{NMPNS 100 ft (30-m) 2001-2005 April JFD}

(Page 7 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 9.38

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.32	.00	.00	.00	.00	.64	.00	.00	.00	.00	.00	.00	.96
(2)	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.09
.3- .4	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2
(1)	.00	.00	.00	.32	.00	.00	.00	.00	.00	.00	.32	.00	.00	.00	.00	.00	.00	.64
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.06
.5- 1.0	2	2	2	6	1	1	0	1	2	1	2	2	1	1	0	1	0	25
(1)	.64	.64	.64	1.92	.32	.32	.00	.32	.64	.32	.64	.64	.32	.32	.00	.32	.00	8.01
(2)	.06	.06	.06	.18	.03	.03	.00	.03	.06	.03	.06	.06	.03	.03	.00	.03	.00	.75
1.1- 1.5	1	2	1	3	3	4	1	1	3	3	2	3	2	0	1	1	0	31
(1)	.32	.64	.32	.96	.96	1.28	.32	.32	.96	.96	.64	.96	.64	.00	.32	.32	.00	9.94
(2)	.03	.06	.03	.09	.09	.12	.03	.03	.09	.09	.06	.09	.06	.00	.03	.03	.00	.93
1.6- 2.0	0	3	2	3	3	4	4	3	4	3	0	2	3	1	3	1	0	39
(1)	.00	.96	.64	.96	.96	1.28	1.28	.96	1.28	.96	.00	.64	.96	.32	.96	.32	.00	12.50
(2)	.00	.09	.06	.09	.09	.12	.12	.09	.12	.09	.00	.06	.09	.03	.09	.03	.00	1.17
2.1- 3.0	3	1	3	3	6	12	5	7	4	5	5	4	4	1	3	3	0	69
(1)	.96	.32	.96	.96	1.92	3.85	1.60	2.24	1.28	1.60	1.60	1.28	1.28	.32	.96	.96	.00	22.12
(2)	.09	.03	.09	.09	.18	.36	.15	.21	.12	.15	.15	.12	.12	.03	.09	.09	.00	2.07
3.1- 4.0	2	3	5	1	2	9	6	10	5	4	1	9	6	2	1	1	0	67
(1)	.64	.96	1.60	.32	.64	2.88	1.92	3.21	1.60	1.28	.32	2.88	1.92	.64	.32	.32	.00	21.47
(2)	.06	.09	.15	.03	.06	.27	.18	.30	.15	.12	.03	.27	.18	.06	.03	.03	.00	2.01
4.1- 5.0	3	6	4	1	0	4	2	9	0	1	0	4	2	2	0	2	0	40
(1)	.96	1.92	1.28	.32	.00	1.28	.64	2.88	.00	.32	.00	1.28	.64	.64	.00	.64	.00	12.82
(2)	.09	.18	.12	.03	.00	.12	.06	.27	.00	.03	.00	.12	.06	.06	.00	.06	.00	1.20
5.1- 6.0	1	3	1	0	0	0	0	2	1	0	0	1	1	2	1	1	0	14
(1)	.32	.96	.32	.00	.00	.00	.00	.64	.32	.00	.00	.32	.32	.64	.32	.32	.00	4.49
(2)	.03	.09	.03	.00	.00	.00	.00	.06	.03	.00	.00	.03	.03	.06	.03	.03	.00	.42
6.1- 8.0	1	2	0	0	0	0	0	0	0	0	0	4	3	1	0	1	0	12
(1)	.32	.64	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.28	.96	.32	.00	.32	.00	3.85
(2)	.03	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.09	.03	.00	.03	.00	.36
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	0	1	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.24	.32	.00	.00	.32	.00	2.88
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.03	.00	.00	.03	.00	.27
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.32	.00	.00	.00	.00	.00	.32
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
ALL SPEEDS	13	22	18	18	15	35	18	33	19	17	13	37	23	10	9	12	0	312
(1)	4.17	7.05	5.77	5.77	4.81	11.22	5.77	10.58	6.09	5.45	4.17	11.86	7.37	3.21	2.88	3.85	.00	100.00
(2)	.39	.66	.54	.54	.45	1.05	.54	.99	.57	.51	.39	1.11	.69	.30	.27	.36	.00	9.38

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Table 2.3-54—{NMPNS 100 ft (30-m) 2001-2005 April JFD}

(Page 8 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.09
(2)	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.09
.3- .4	1	2	0	2	0	0	1	0	0	0	1	0	0	0	0	0	0	7
(1)	.03	.06	.00	.06	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.21
(2)	.03	.06	.00	.06	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.21
.5- 1.0	7	11	7	14	6	1	0	4	2	5	4	4	3	3	2	2	0	75
(1)	.21	.33	.21	.42	.18	.03	.00	.12	.06	.15	.12	.12	.09	.09	.06	.06	.00	2.25
(2)	.21	.33	.21	.42	.18	.03	.00	.12	.06	.15	.12	.12	.09	.09	.06	.06	.00	2.25
1.1- 1.5	7	8	17	18	11	7	6	4	6	6	7	11	7	8	4	9	0	136
(1)	.21	.24	.51	.54	.33	.21	.18	.12	.18	.18	.21	.33	.21	.24	.12	.27	.00	4.09
(2)	.21	.24	.51	.54	.33	.21	.18	.12	.18	.18	.21	.33	.21	.24	.12	.27	.00	4.09
1.6- 2.0	10	10	28	24	12	8	10	9	8	9	10	11	7	3	15	8	0	182
(1)	.30	.30	.84	.72	.36	.24	.30	.27	.24	.27	.30	.33	.21	.09	.45	.24	.00	5.47
(2)	.30	.30	.84	.72	.36	.24	.30	.27	.24	.27	.30	.33	.21	.09	.45	.24	.00	5.47
2.1- 3.0	32	33	69	37	29	29	24	20	18	20	29	46	43	16	25	24	0	494
(1)	.96	.99	2.07	1.11	.87	.87	.72	.60	.54	.60	.87	1.38	1.29	.48	.75	.72	.00	14.84
(2)	.96	.99	2.07	1.11	.87	.87	.72	.60	.54	.60	.87	1.38	1.29	.48	.75	.72	.00	14.84
3.1- 4.0	32	33	56	14	18	44	33	31	40	23	27	81	48	25	16	17	0	538
(1)	.96	.99	1.68	.42	.54	1.32	.99	.93	1.20	.69	.81	2.43	1.44	.75	.48	.51	.00	16.17
(2)	.96	.99	1.68	.42	.54	1.32	.99	.93	1.20	.69	.81	2.43	1.44	.75	.48	.51	.00	16.17
4.1- 5.0	15	37	21	3	7	38	60	52	32	16	17	79	36	13	10	19	0	455
(1)	.45	1.11	.63	.09	.21	1.14	1.80	1.56	.96	.48	.51	2.37	1.08	.39	.30	.57	.00	13.67
(2)	.45	1.11	.63	.09	.21	1.14	1.80	1.56	.96	.48	.51	2.37	1.08	.39	.30	.57	.00	13.67
5.1- 6.0	22	28	16	0	3	26	63	62	35	6	13	74	28	21	12	26	0	435
(1)	.66	.84	.48	.00	.09	.78	1.89	1.86	1.05	.18	.39	2.22	.84	.63	.36	.78	.00	13.07
(2)	.66	.84	.48	.00	.09	.78	1.89	1.86	1.05	.18	.39	2.22	.84	.63	.36	.78	.00	13.07
6.1- 8.0	31	46	21	0	1	16	65	67	44	4	30	113	61	25	28	30	0	582
(1)	.93	1.38	.63	.00	.03	.48	1.95	2.01	1.32	.12	.90	3.40	1.83	.75	.84	.90	.00	17.49
(2)	.93	1.38	.63	.00	.03	.48	1.95	2.01	1.32	.12	.90	3.40	1.83	.75	.84	.90	.00	17.49
8.1-10.0	29	25	2	0	0	1	18	12	0	0	16	69	40	19	7	28	0	266
(1)	.87	.75	.06	.00	.00	.03	.54	.36	.00	.00	.48	2.07	1.20	.57	.21	.84	.00	7.99
(2)	.87	.75	.06	.00	.00	.03	.54	.36	.00	.00	.48	2.07	1.20	.57	.21	.84	.00	7.99
10.1-40.3	14	6	0	0	0	0	1	2	0	0	3	34	42	16	8	29	0	155
(1)	.42	.18	.00	.00	.00	.00	.03	.06	.00	.00	.09	1.02	1.26	.48	.24	.87	.00	4.66
(2)	.42	.18	.00	.00	.00	.00	.03	.06	.00	.00	.09	1.02	1.26	.48	.24	.87	.00	4.66
ALL SPEEDS	200	239	237	112	87	171	281	263	185	89	159	522	315	149	127	192	0	3328
(1)	6.01	7.18	7.12	3.37	2.61	5.14	8.44	7.90	5.56	2.67	4.78	15.69	9.47	4.48	3.82	5.77	.00	100.00
(2)	6.01	7.18	7.12	3.37	2.61	5.14	8.44	7.90	5.56	2.67	4.78	15.69	9.47	4.48	3.82	5.77	.00	100.00

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Table 2.3-55—{NMPNS 100 ft (30-m) 2001-2005 May JFD}

(Page 1 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 4.35

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
(1)	.00	.65	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.65	.00	.00	1.30
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.06
3.1- 4.0	1	1	0	0	0	1	3	0	0	0	0	0	0	0	1	2	0	9
(1)	.65	.65	.00	.00	.00	.65	1.95	.00	.00	.00	.00	.00	.00	.00	.65	1.30	.00	5.84
(2)	.03	.03	.00	.00	.00	.03	.08	.00	.00	.00	.00	.00	.00	.00	.03	.06	.00	.25
4.1- 5.0	6	4	0	0	0	2	4	1	0	0	0	6	0	1	1	1	0	26
(1)	3.90	2.60	.00	.00	.00	1.30	2.60	.65	.00	.00	.00	3.90	.00	.65	.65	.65	.00	16.88
(2)	.17	.11	.00	.00	.00	.06	.11	.03	.00	.00	.00	.17	.00	.03	.03	.03	.00	.73
5.1- 6.0	5	1	0	0	0	1	2	5	0	0	0	12	0	1	4	1	0	32
(1)	3.25	.65	.00	.00	.00	.65	1.30	3.25	.00	.00	.00	7.79	.00	.65	2.60	.65	.00	20.78
(2)	.14	.03	.00	.00	.00	.03	.06	.14	.00	.00	.00	.34	.00	.03	.11	.03	.00	.90
6.1- 8.0	8	1	0	0	0	4	3	4	0	0	0	15	1	0	2	5	0	43
(1)	5.19	.65	.00	.00	.00	2.60	1.95	2.60	.00	.00	.00	9.74	.65	.00	1.30	3.25	.00	27.92
(2)	.23	.03	.00	.00	.00	.11	.08	.11	.00	.00	.00	.42	.03	.00	.06	.14	.00	1.21
8.1-10.0	4	2	0	0	0	1	1	0	0	0	0	6	7	0	0	2	0	23
(1)	2.60	1.30	.00	.00	.00	.65	.65	.00	.00	.00	.00	3.90	4.55	.00	.00	1.30	.00	14.94
(2)	.11	.06	.00	.00	.00	.03	.03	.00	.00	.00	.00	.17	.20	.00	.00	.06	.00	.65
10.1-40.3	2	3	0	0	0	0	0	0	0	0	0	9	5	0	0	0	0	19
(1)	1.30	1.95	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.84	3.25	.00	.00	.00	.00	12.34
(2)	.06	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.14	.00	.00	.00	.00	.54
ALL SPEEDS	26	13	0	0	0	9	13	10	0	0	0	48	13	2	9	11	0	154
(1)	16.88	8.44	.00	.00	.00	5.84	8.44	6.49	.00	.00	.00	31.17	8.44	1.30	5.84	7.14	.00	100.00
(2)	.73	.37	.00	.00	.00	.25	.37	.28	.00	.00	.00	1.36	.37	.06	.25	.31	.00	4.35

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Table 2.3-55—{NMPNS 100 ft (30-m) 2001-2005 May JFD}

(Page 2 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.70

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
(1)	.00	.76	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.76	.00	.00	.00	.00	1.53
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06
2.1- 3.0	0	0	0	0	0	1	0	0	0	0	0	0	1	2	0	0	0	4
(1)	.00	.00	.00	.00	.00	.76	.00	.00	.00	.00	.00	.00	.76	1.53	.00	.00	.00	3.05
(2)	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.06	.00	.00	.00	.11
3.1- 4.0	0	1	0	0	1	2	5	2	0	0	0	2	0	0	0	0	0	13
(1)	.00	.76	.00	.00	.76	1.53	3.82	1.53	.00	.00	.00	1.53	.00	.00	.00	.00	.00	9.92
(2)	.00	.03	.00	.00	.03	.06	.14	.06	.00	.00	.00	.06	.00	.00	.00	.00	.00	.37
4.1- 5.0	0	2	0	0	0	1	4	2	1	0	0	6	1	1	0	0	0	18
(1)	.00	1.53	.00	.00	.00	.76	3.05	1.53	.76	.00	.00	4.58	.76	.76	.00	.00	.00	13.74
(2)	.00	.06	.00	.00	.00	.03	.11	.06	.03	.00	.00	.17	.03	.03	.00	.00	.00	.51
5.1- 6.0	0	3	0	0	0	1	1	2	1	0	0	11	1	1	0	1	0	22
(1)	.00	2.29	.00	.00	.00	.76	.76	1.53	.76	.00	.00	8.40	.76	.76	.00	.76	.00	16.79
(2)	.00	.08	.00	.00	.00	.03	.03	.06	.03	.00	.00	.31	.03	.03	.00	.03	.00	.62
6.1- 8.0	3	2	0	0	0	2	1	1	4	0	1	14	12	0	1	2	0	43
(1)	2.29	1.53	.00	.00	.00	1.53	.76	.76	3.05	.00	.76	10.69	9.16	.00	.76	1.53	.00	32.82
(2)	.08	.06	.00	.00	.00	.06	.03	.03	.11	.00	.03	.40	.34	.00	.03	.06	.00	1.21
8.1-10.0	0	0	0	0	0	1	0	0	0	0	0	9	9	0	0	0	0	19
(1)	.00	.00	.00	.00	.00	.76	.00	.00	.00	.00	.00	6.87	6.87	.00	.00	.00	.00	14.50
(2)	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.25	.25	.00	.00	.00	.00	.54
10.1-40.3	2	0	0	0	0	0	1	0	0	0	0	2	5	0	0	0	0	10
(1)	1.53	.00	.00	.00	.00	.00	.76	.00	.00	.00	.00	1.53	3.82	.00	.00	.00	.00	7.63
(2)	.06	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06	.14	.00	.00	.00	.00	.28
ALL SPEEDS	5	9	0	0	1	8	12	7	6	0	1	44	30	4	1	3	0	131
(1)	3.82	6.87	.00	.00	.76	6.11	9.16	5.34	4.58	.00	.76	33.59	22.90	3.05	.76	2.29	.00	100.00
(2)	.14	.25	.00	.00	.03	.23	.34	.20	.17	.00	.03	1.24	.85	.11	.03	.08	.00	3.70

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Table 2.3-55—{NMPNS 100 ft (30-m) 2001-2005 May JFD}

(Page 3 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.93

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
(1)	.48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48	.00	.00	.00	.00	.95
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06
2.1- 3.0	1	1	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	7
(1)	.48	.48	.95	.48	.48	.00	.48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.33
(2)	.03	.03	.06	.03	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20
3.1- 4.0	0	2	0	0	0	0	0	2	2	0	0	7	5	1	0	0	0	19
(1)	.00	.95	.00	.00	.00	.00	.00	.95	.95	.00	.00	3.33	2.38	.48	.00	.00	.00	9.05
(2)	.00	.06	.00	.00	.00	.00	.00	.06	.06	.00	.00	.20	.14	.03	.00	.00	.00	.54
4.1- 5.0	0	2	1	0	1	1	1	5	0	0	0	12	2	0	0	0	0	25
(1)	.00	.95	.48	.00	.48	.48	.48	2.38	.00	.00	.00	5.71	.95	.00	.00	.00	.00	11.90
(2)	.00	.06	.03	.00	.03	.03	.03	.14	.00	.00	.00	.34	.06	.00	.00	.00	.00	.71
5.1- 6.0	2	0	0	0	0	1	3	6	0	0	0	12	11	6	0	2	0	43
(1)	.95	.00	.00	.00	.00	.48	1.43	2.86	.00	.00	.00	5.71	5.24	2.86	.00	.95	.00	20.48
(2)	.06	.00	.00	.00	.00	.03	.08	.17	.00	.00	.00	.34	.31	.17	.00	.06	.00	1.21
6.1- 8.0	2	0	0	0	0	1	4	2	3	0	0	20	22	4	1	4	0	63
(1)	.95	.00	.00	.00	.00	.48	1.90	.95	1.43	.00	.00	9.52	10.48	1.90	.48	1.90	.00	30.00
(2)	.06	.00	.00	.00	.00	.03	.11	.06	.08	.00	.00	.56	.62	.11	.03	.11	.00	1.78
8.1-10.0	1	0	0	0	0	0	1	0	0	0	0	11	10	1	0	0	0	24
(1)	.48	.00	.00	.00	.00	.00	.48	.00	.00	.00	.00	5.24	4.76	.48	.00	.00	.00	11.43
(2)	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.31	.28	.03	.00	.00	.00	.68
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	13	14	0	0	0	0	27
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.19	6.67	.00	.00	.00	.00	12.86
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.37	.40	.00	.00	.00	.00	.76
ALL SPEEDS	7	5	3	1	2	3	10	15	5	0	0	75	65	12	1	6	0	210
(1)	3.33	2.38	1.43	.48	.95	1.43	4.76	7.14	2.38	.00	.00	35.71	30.95	5.71	.48	2.86	.00	100.00
(2)	.20	.14	.08	.03	.06	.08	.28	.42	.14	.00	.00	2.12	1.84	.34	.03	.17	.00	5.93

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Table 2.3-55—{NMPNS 100 ft (30-m) 2001-2005 May JFD}

(Page 4 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 31.77

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	1	1	0	0	0	0	0	0	0	1	2	3	2	0	0	10
(1)	.00	.00	.09	.09	.00	.00	.00	.00	.00	.00	.00	.09	.18	.27	.18	.00	.00	.89
(2)	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.03	.06	.08	.06	.00	.00	.28
1.1- 1.5	4	1	2	2	1	1	0	1	1	0	1	1	0	4	0	1	0	20
(1)	.36	.09	.18	.18	.09	.09	.00	.09	.09	.00	.09	.09	.00	.36	.00	.09	.00	1.78
(2)	.11	.03	.06	.06	.03	.03	.00	.03	.03	.00	.03	.03	.00	.11	.00	.03	.00	.56
1.6- 2.0	3	1	9	4	1	0	3	0	1	0	0	3	6	3	3	2	0	39
(1)	.27	.09	.80	.36	.09	.00	.27	.00	.09	.00	.00	.27	.53	.27	.27	.18	.00	3.47
(2)	.08	.03	.25	.11	.03	.00	.08	.00	.03	.00	.00	.08	.17	.08	.08	.06	.00	1.10
2.1- 3.0	4	11	15	15	3	1	6	9	4	2	10	14	16	7	4	2	0	123
(1)	.36	.98	1.33	1.33	.27	.09	.53	.80	.36	.18	.89	1.24	1.42	.62	.36	.18	.00	10.93
(2)	.11	.31	.42	.42	.08	.03	.17	.25	.11	.06	.28	.40	.45	.20	.11	.06	.00	3.47
3.1- 4.0	1	7	6	3	6	8	22	14	8	8	8	39	26	4	4	1	0	165
(1)	.09	.62	.53	.27	.53	.71	1.96	1.24	.71	.71	.71	3.47	2.31	.36	.36	.09	.00	14.67
(2)	.03	.20	.17	.08	.17	.23	.62	.40	.23	.23	.23	1.10	.73	.11	.11	.03	.00	4.66
4.1- 5.0	2	12	3	1	4	16	20	16	17	4	5	67	17	5	1	3	0	193
(1)	.18	1.07	.27	.09	.36	1.42	1.78	1.42	1.51	.36	.44	5.96	1.51	.44	.09	.27	.00	17.16
(2)	.06	.34	.08	.03	.11	.45	.56	.45	.48	.11	.14	1.89	.48	.14	.03	.08	.00	5.45
5.1- 6.0	1	8	3	0	2	30	34	12	20	3	10	60	18	6	3	4	0	214
(1)	.09	.71	.27	.00	.18	2.67	3.02	1.07	1.78	.27	.89	5.33	1.60	.53	.27	.36	.00	19.02
(2)	.03	.23	.08	.00	.06	.85	.96	.34	.56	.08	.28	1.69	.51	.17	.08	.11	.00	6.04
6.1- 8.0	11	9	2	0	0	44	28	13	16	1	4	59	29	9	1	4	0	230
(1)	.98	.80	.18	.00	.00	3.91	2.49	1.16	1.42	.09	.36	5.24	2.58	.80	.09	.36	.00	20.44
(2)	.31	.25	.06	.00	.00	1.24	.79	.37	.45	.03	.11	1.67	.82	.25	.03	.11	.00	6.50
8.1-10.0	5	0	0	0	0	2	5	5	4	0	1	41	22	10	2	0	0	97
(1)	.44	.00	.00	.00	.00	.18	.44	.44	.36	.00	.09	3.64	1.96	.89	.18	.00	.00	8.62
(2)	.14	.00	.00	.00	.00	.06	.14	.14	.11	.00	.03	1.16	.62	.28	.06	.00	.00	2.74
10.1-40.3	1	0	0	0	0	0	4	0	0	0	0	14	10	3	2	0	0	34
(1)	.09	.00	.00	.00	.00	.00	.36	.00	.00	.00	.00	1.24	.89	.27	.18	.00	.00	3.02
(2)	.03	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.40	.28	.08	.06	.00	.00	.96
ALL SPEEDS	32	49	41	26	17	102	122	70	71	18	39	299	146	54	22	17	0	1125
(1)	2.84	4.36	3.64	2.31	1.51	9.07	10.84	6.22	6.31	1.60	3.47	26.58	12.98	4.80	1.96	1.51	.00	100.00
(2)	.90	1.38	1.16	.73	.48	2.88	3.45	1.98	2.01	.51	1.10	8.44	4.12	1.52	.62	.48	.00	31.77

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Table 2.3-55—{NMPNS 100 ft (30-m) 2001-2005 May JFD}

(Page 5 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 31.38

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.09
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	4	2	4	3	0	0	0	0	1	1	2	2	4	3	1	0	28
(1)	.09	.36	.18	.36	.27	.00	.00	.00	.00	.09	.09	.18	.18	.36	.27	.09	.00	2.52
(2)	.03	.11	.06	.11	.08	.00	.00	.00	.00	.03	.03	.06	.06	.11	.08	.03	.00	.79
1.1- 1.5	7	4	6	11	5	1	5	1	4	2	3	4	5	2	7	2	0	69
(1)	.63	.36	.54	.99	.45	.09	.45	.09	.36	.18	.27	.36	.45	.18	.63	.18	.00	6.21
(2)	.20	.11	.17	.31	.14	.03	.14	.03	.11	.06	.08	.11	.14	.06	.20	.06	.00	1.95
1.6- 2.0	1	9	8	12	9	4	3	1	1	4	13	6	11	5	5	5	0	97
(1)	.09	.81	.72	1.08	.81	.36	.27	.09	.09	.36	1.17	.54	.99	.45	.45	.45	.00	8.73
(2)	.03	.25	.23	.34	.25	.11	.08	.03	.03	.11	.37	.17	.31	.14	.14	.14	.00	2.74
2.1- 3.0	13	7	25	20	10	0	6	10	5	4	24	32	20	9	2	4	0	191
(1)	1.17	.63	2.25	1.80	.90	.00	.54	.90	.45	.36	2.16	2.88	1.80	.81	.18	.36	.00	17.19
(2)	.37	.20	.71	.56	.28	.00	.17	.28	.14	.11	.68	.90	.56	.25	.06	.11	.00	5.39
3.1- 4.0	5	14	8	6	4	13	29	16	7	12	18	39	8	5	3	2	0	189
(1)	.45	1.26	.72	.54	.36	1.17	2.61	1.44	.63	1.08	1.62	3.51	.72	.45	.27	.18	.00	17.01
(2)	.14	.40	.23	.17	.11	.37	.82	.45	.20	.34	.51	1.10	.23	.14	.08	.06	.00	5.34
4.1- 5.0	7	10	0	0	2	14	35	24	24	11	12	48	13	5	1	4	0	210
(1)	.63	.90	.00	.00	.18	1.26	3.15	2.16	2.16	.99	1.08	4.32	1.17	.45	.09	.36	.00	18.90
(2)	.20	.28	.00	.00	.06	.40	.99	.68	.68	.31	.34	1.36	.37	.14	.03	.11	.00	5.93
5.1- 6.0	5	4	1	0	1	17	33	23	23	5	12	34	3	2	5	3	0	171
(1)	.45	.36	.09	.00	.09	1.53	2.97	2.07	2.07	.45	1.08	3.06	.27	.18	.45	.27	.00	15.39
(2)	.14	.11	.03	.00	.03	.48	.93	.65	.65	.14	.34	.96	.08	.06	.14	.08	.00	4.83
6.1- 8.0	14	9	0	0	0	6	4	5	8	4	10	38	5	6	1	2	0	112
(1)	1.26	.81	.00	.00	.00	.54	.36	.45	.72	.36	.90	3.42	.45	.54	.09	.18	.00	10.08
(2)	.40	.25	.00	.00	.00	.17	.11	.14	.23	.11	.28	1.07	.14	.17	.03	.06	.00	3.16
8.1-10.0	6	0	0	0	0	0	0	1	0	0	1	14	7	1	0	3	0	33
(1)	.54	.00	.00	.00	.00	.00	.00	.09	.00	.00	.09	1.26	.63	.09	.00	.27	.00	2.97
(2)	.17	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.40	.20	.03	.00	.08	.00	.93
10.1-40.3	2	0	0	0	0	0	1	0	0	0	1	3	2	1	0	0	0	10
(1)	.18	.00	.00	.00	.00	.00	.09	.00	.00	.00	.09	.27	.18	.09	.00	.00	.00	.90
(2)	.06	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.08	.06	.03	.00	.00	.00	.28
ALL SPEEDS	61	61	50	53	34	55	116	81	72	43	95	220	76	40	28	26	0	1111
(1)	5.49	5.49	4.50	4.77	3.06	4.95	10.44	7.29	6.48	3.87	8.55	19.80	6.84	3.60	2.52	2.34	.00	100.00
(2)	1.72	1.72	1.41	1.50	.96	1.55	3.28	2.29	2.03	1.21	2.68	6.21	2.15	1.13	.79	.73	.00	31.38

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Table 2.3-55—{NMPNS 100 ft (30-m) 2001-2005 May JFD}

(Page 6 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 12.09

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	2	2	1	0	0	2	0	0	0	0	1	1	0	1	3	0	14
(1)	.23	.47	.47	.23	.00	.00	.47	.00	.00	.00	.00	.23	.23	.00	.23	.70	.00	3.27
(2)	.03	.06	.06	.03	.00	.00	.06	.00	.00	.00	.00	.03	.03	.00	.03	.08	.00	.40
1.1- 1.5	1	1	1	1	2	1	1	0	1	2	4	3	2	1	2	2	0	25
(1)	.23	.23	.23	.23	.47	.23	.23	.00	.23	.47	.93	.70	.47	.23	.47	.47	.00	5.84
(2)	.03	.03	.03	.03	.06	.03	.03	.00	.03	.06	.11	.08	.06	.03	.06	.06	.00	.71
1.6- 2.0	2	4	5	5	2	1	2	0	3	1	5	5	6	7	4	1	0	53
(1)	.47	.93	1.17	1.17	.47	.23	.47	.00	.70	.23	1.17	1.17	1.40	1.64	.93	.23	.00	12.38
(2)	.06	.11	.14	.14	.06	.03	.06	.00	.08	.03	.14	.14	.17	.20	.11	.03	.00	1.50
2.1- 3.0	2	5	11	8	10	3	4	6	6	8	9	11	12	1	2	3	0	101
(1)	.47	1.17	2.57	1.87	2.34	.70	.93	1.40	1.40	1.87	2.10	2.57	2.80	.23	.47	.70	.00	23.60
(2)	.06	.14	.31	.23	.28	.08	.11	.17	.17	.23	.25	.31	.34	.03	.06	.08	.00	2.85
3.1- 4.0	8	7	4	1	6	6	3	10	5	7	7	12	6	0	2	4	0	88
(1)	1.87	1.64	.93	.23	1.40	1.40	.70	2.34	1.17	1.64	1.64	2.80	1.40	.00	.47	.93	.00	20.56
(2)	.23	.20	.11	.03	.17	.17	.08	.28	.14	.20	.20	.34	.17	.00	.06	.11	.00	2.49
4.1- 5.0	5	6	2	0	0	8	5	12	6	10	3	11	2	1	0	2	0	73
(1)	1.17	1.40	.47	.00	.00	1.87	1.17	2.80	1.40	2.34	.70	2.57	.47	.23	.00	.47	.00	17.06
(2)	.14	.17	.06	.00	.00	.23	.14	.34	.17	.28	.08	.31	.06	.03	.00	.06	.00	2.06
5.1- 6.0	7	2	0	0	0	3	4	1	6	2	1	6	1	0	1	2	0	36
(1)	1.64	.47	.00	.00	.00	.70	.93	.23	1.40	.47	.23	1.40	.23	.00	.23	.47	.00	8.41
(2)	.20	.06	.00	.00	.00	.08	.11	.03	.17	.06	.03	.17	.03	.00	.03	.06	.00	1.02
6.1- 8.0	8	2	0	0	0	0	0	0	0	0	1	6	2	1	3	6	0	29
(1)	1.87	.47	.00	.00	.00	.00	.00	.00	.00	.00	.23	1.40	.47	.23	.70	1.40	.00	6.78
(2)	.23	.06	.00	.00	.00	.00	.00	.00	.00	.00	.03	.17	.06	.03	.08	.17	.00	.82
8.1-10.0	1	0	0	0	0	0	0	0	0	0	0	1	3	0	1	2	0	8
(1)	.23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.70	.00	.23	.47	.00	1.87
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.00	.03	.06	.00	.23
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.00	.00	.00	.00	.23
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
ALL SPEEDS	35	29	25	16	20	22	21	29	27	30	30	56	36	11	16	25	0	428
(1)	8.18	6.78	5.84	3.74	4.67	5.14	4.91	6.78	6.31	7.01	7.01	13.08	8.41	2.57	3.74	5.84	.00	100.00
(2)	.99	.82	.71	.45	.56	.62	.59	.82	.76	.85	.85	1.58	1.02	.31	.45	.71	.00	12.09

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Table 2.3-55—{NMPNS 100 ft (30-m) 2001-2005 May JFD}

(Page 7 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 10.79

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.3- .4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	1	2	4	0	2	1	0	2	1	0	1	2	2	2	2	1	0	23
(1)	.26	.52	1.05	.00	.52	.26	.00	.52	.26	.00	.26	.52	.52	.52	.52	.26	.00	6.02
(2)	.03	.06	.11	.00	.06	.03	.00	.06	.03	.00	.03	.06	.06	.06	.06	.03	.00	.65
1.1- 1.5	4	2	2	5	3	2	0	0	3	1	2	2	3	1	1	1	0	32
(1)	1.05	.52	.52	1.31	.79	.52	.00	.00	.79	.26	.52	.52	.79	.26	.26	.26	.00	8.38
(2)	.11	.06	.06	.14	.08	.06	.00	.00	.08	.03	.06	.06	.08	.03	.03	.03	.00	.90
1.6- 2.0	2	2	3	5	5	2	3	1	0	2	1	2	4	3	1	2	0	38
(1)	.52	.52	.79	1.31	1.31	.52	.79	.26	.00	.52	.26	.52	1.05	.79	.26	.52	.00	9.95
(2)	.06	.06	.08	.14	.14	.06	.08	.03	.00	.06	.03	.06	.11	.08	.03	.06	.00	1.07
2.1- 3.0	2	2	2	2	8	7	7	8	9	8	3	9	10	1	3	1	0	82
(1)	.52	.52	.52	.52	2.09	1.83	1.83	2.09	2.36	2.09	.79	2.36	2.62	.26	.79	.26	.00	21.47
(2)	.06	.06	.06	.06	.23	.20	.20	.23	.25	.23	.08	.25	.28	.03	.08	.03	.00	2.32
3.1- 4.0	5	5	1	1	2	10	9	12	9	5	1	10	4	1	1	2	0	78
(1)	1.31	1.31	.26	.26	.52	2.62	2.36	3.14	2.36	1.31	.26	2.62	1.05	.26	.26	.52	.00	20.42
(2)	.14	.14	.03	.03	.06	.28	.25	.34	.25	.14	.03	.28	.11	.03	.03	.06	.00	2.20
4.1- 5.0	4	4	2	0	0	8	12	21	4	4	0	4	2	1	0	2	0	68
(1)	1.05	1.05	.52	.00	.00	2.09	3.14	5.50	1.05	1.05	.00	1.05	.52	.26	.00	.52	.00	17.80
(2)	.11	.11	.06	.00	.00	.23	.34	.59	.11	.11	.00	.11	.06	.03	.00	.06	.00	1.92
5.1- 6.0	6	5	1	0	0	1	1	3	3	1	0	3	1	0	1	3	0	29
(1)	1.57	1.31	.26	.00	.00	.26	.26	.79	.79	.26	.00	.79	.26	.00	.26	.79	.00	7.59
(2)	.17	.14	.03	.00	.00	.03	.03	.08	.08	.03	.00	.08	.03	.00	.03	.08	.00	.82
6.1- 8.0	6	5	0	0	0	0	0	0	0	0	0	3	0	1	3	7	0	25
(1)	1.57	1.31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.79	.00	.26	.79	1.83	.00	6.54
(2)	.17	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00	.03	.08	.20	.00	.71
8.1-10.0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3
(1)	.26	.26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.00	.79
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.08
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.26	.00	.00	.00	.00	.52
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.06
ALL SPEEDS	31	28	15	15	20	31	32	47	29	21	8	36	27	10	12	20	0	382
(1)	8.12	7.33	3.93	3.93	5.24	8.12	8.38	12.30	7.59	5.50	2.09	9.42	7.07	2.62	3.14	5.24	.00	100.00
(2)	.88	.79	.42	.42	.56	.88	.90	1.33	.82	.59	.23	1.02	.76	.28	.34	.56	.00	10.79

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Table 2.3-55—{NMPNS 100 ft (30-m) 2001-2005 May JFD}

(Page 8 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	2
(1)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.06
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.06
.3- .4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	3	8	9	6	5	1	2	2	1	1	2	6	7	9	8	5	0	75
(1)	.08	.23	.25	.17	.14	.03	.06	.06	.03	.03	.06	.17	.20	.25	.23	.14	.00	2.12
(2)	.08	.23	.25	.17	.14	.03	.06	.06	.03	.03	.06	.17	.20	.25	.23	.14	.00	2.12
1.1- 1.5	16	8	11	19	11	5	6	2	9	5	10	10	10	8	10	6	0	146
(1)	.45	.23	.31	.54	.31	.14	.17	.06	.25	.14	.28	.28	.28	.23	.28	.17	.00	4.12
(2)	.45	.23	.31	.54	.31	.14	.17	.06	.25	.14	.28	.28	.28	.23	.28	.17	.00	4.12
1.6- 2.0	9	17	25	26	17	7	11	2	5	7	19	16	29	18	13	10	0	231
(1)	.25	.48	.71	.73	.48	.20	.31	.06	.14	.20	.54	.45	.82	.51	.37	.28	.00	6.52
(2)	.25	.48	.71	.73	.48	.20	.31	.06	.14	.20	.54	.45	.82	.51	.37	.28	.00	6.52
2.1- 3.0	22	27	55	46	32	12	24	33	24	22	46	66	59	20	12	10	0	510
(1)	.62	.76	1.55	1.30	.90	.34	.68	.93	.68	.62	1.30	1.86	1.67	.56	.34	.28	.00	14.40
(2)	.62	.76	1.55	1.30	.90	.34	.68	.93	.68	.62	1.30	1.86	1.67	.56	.34	.28	.00	14.40
3.1- 4.0	20	37	19	11	19	40	71	56	31	32	34	109	49	11	11	11	0	561
(1)	.56	1.04	.54	.31	.54	1.13	2.01	1.58	.88	.90	.96	3.08	1.38	.31	.31	.31	.00	15.84
(2)	.56	1.04	.54	.31	.54	1.13	2.01	1.58	.88	.90	.96	3.08	1.38	.31	.31	.31	.00	15.84
4.1- 5.0	24	40	8	1	7	50	81	81	52	29	20	154	37	14	3	12	0	613
(1)	.68	1.13	.23	.03	.20	1.41	2.29	2.29	1.47	.82	.56	4.35	1.04	.40	.08	.34	.00	17.31
(2)	.68	1.13	.23	.03	.20	1.41	2.29	2.29	1.47	.82	.56	4.35	1.04	.40	.08	.34	.00	17.31
5.1- 6.0	26	23	5	0	3	54	78	52	53	11	23	138	35	16	14	16	0	547
(1)	.73	.65	.14	.00	.08	1.52	2.20	1.47	1.50	.31	.65	3.90	.99	.45	.40	.45	.00	15.45
(2)	.73	.65	.14	.00	.08	1.52	2.20	1.47	1.50	.31	.65	3.90	.99	.45	.40	.45	.00	15.45
6.1- 8.0	52	28	2	0	0	57	40	25	31	5	16	155	71	21	12	30	0	545
(1)	1.47	.79	.06	.00	.00	1.61	1.13	.71	.88	.14	.45	4.38	2.01	.59	.34	.85	.00	15.39
(2)	1.47	.79	.06	.00	.00	1.61	1.13	.71	.88	.14	.45	4.38	2.01	.59	.34	.85	.00	15.39
8.1-10.0	18	3	0	0	0	4	7	6	4	0	2	82	58	12	3	8	0	207
(1)	.51	.08	.00	.00	.00	.11	.20	.17	.11	.00	.06	2.32	1.64	.34	.08	.23	.00	5.85
(2)	.51	.08	.00	.00	.00	.11	.20	.17	.11	.00	.06	2.32	1.64	.34	.08	.23	.00	5.85
10.1-40.3	7	3	0	0	0	0	6	0	0	0	1	42	38	4	2	0	0	103
(1)	.20	.08	.00	.00	.00	.00	.17	.00	.00	.00	.03	1.19	1.07	.11	.06	.00	.00	2.91
(2)	.20	.08	.00	.00	.00	.00	.17	.00	.00	.00	.03	1.19	1.07	.11	.06	.00	.00	2.91
ALL SPEEDS	197	194	134	111	94	230	326	259	210	112	173	778	393	133	89	108	0	3541
(1)	5.56	5.48	3.78	3.13	2.65	6.50	9.21	7.31	5.93	3.16	4.89	21.97	11.10	3.76	2.51	3.05	.00	100.00
(2)	5.56	5.48	3.78	3.13	2.65	6.50	9.21	7.31	5.93	3.16	4.89	21.97	11.10	3.76	2.51	3.05	.00	100.00

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Table 2.3-56—{NMPNS 100 ft (30-m) 2001-2005 June JFD}

(Page 1 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 5.56

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	3	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.52	1.01	1.52	.00	4.04
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.06	.08	.00	.22
2.1- 3.0	1	0	0	0	0	0	0	0	0	0	0	0	0	4	4	8	0	17
(1)	.51	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.02	2.02	4.04	.00	8.59
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.11	.22	.00	.48
3.1- 4.0	3	0	0	0	0	0	0	2	0	0	0	1	0	0	3	4	0	13
(1)	1.52	.00	.00	.00	.00	.00	.00	1.01	.00	.00	.00	.51	.00	.00	1.52	2.02	.00	6.57
(2)	.08	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.03	.00	.00	.08	.11	.00	.36
4.1- 5.0	4	5	0	0	0	0	0	1	1	0	0	19	0	0	3	8	0	41
(1)	2.02	2.53	.00	.00	.00	.00	.00	.51	.51	.00	.00	9.60	.00	.00	1.52	4.04	.00	20.71
(2)	.11	.14	.00	.00	.00	.00	.00	.03	.03	.00	.00	.53	.00	.00	.08	.22	.00	1.15
5.1- 6.0	3	0	0	0	0	0	4	0	0	0	0	30	0	0	1	5	0	43
(1)	1.52	.00	.00	.00	.00	.00	2.02	.00	.00	.00	.00	15.15	.00	.00	.51	2.53	.00	21.72
(2)	.08	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.84	.00	.00	.03	.14	.00	1.21
6.1- 8.0	3	1	0	0	0	0	1	0	0	0	0	24	6	1	2	6	0	44
(1)	1.52	.51	.00	.00	.00	.00	.51	.00	.00	.00	.00	12.12	3.03	.51	1.01	3.03	.00	22.22
(2)	.08	.03	.00	.00	.00	.00	.03	.00	.00	.00	.00	.67	.17	.03	.06	.17	.00	1.23
8.1-10.0	4	1	0	0	0	0	0	0	0	0	0	9	1	3	2	0	0	20
(1)	2.02	.51	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.55	.51	1.52	1.01	.00	.00	10.10
(2)	.11	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.03	.08	.06	.00	.00	.56
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	4	8	0	0	0	0	12
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.02	4.04	.00	.00	.00	.00	6.06
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.22	.00	.00	.00	.00	.34
ALL SPEEDS	18	7	0	0	0	0	5	3	1	0	0	87	15	11	17	34	0	198
(1)	9.09	3.54	.00	.00	.00	.00	2.53	1.52	.51	.00	.00	43.94	7.58	5.56	8.59	17.17	.00	100.00
(2)	.51	.20	.00	.00	.00	.00	.14	.08	.03	.00	.00	2.44	.42	.31	.48	.95	.00	5.56

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Table 2.3-56—{NMPNS 100 ft (30-m) 2001-2005 June JFD}

(Page 2 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.14

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.89	.00	.89
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.57	.00	3.57
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.11
2.1- 3.0	1	2	1	0	0	0	0	0	0	1	0	0	2	2	2	5	0	16
(1)	.89	1.79	.89	.00	.00	.00	.00	.00	.00	.89	.00	.00	1.79	1.79	1.79	4.46	.00	14.29
(2)	.03	.06	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.06	.06	.06	.14	.00	.45
3.1- 4.0	0	2	1	0	0	0	0	3	1	2	0	4	1	3	0	0	0	17
(1)	.00	1.79	.89	.00	.00	.00	.00	2.68	.89	1.79	.00	3.57	.89	2.68	.00	.00	.00	15.18
(2)	.00	.06	.03	.00	.00	.00	.00	.08	.03	.06	.00	.11	.03	.08	.00	.00	.00	.48
4.1- 5.0	1	4	0	0	0	1	1	2	0	1	0	7	5	3	0	0	0	25
(1)	.89	3.57	.00	.00	.00	.89	.89	1.79	.00	.89	.00	6.25	4.46	2.68	.00	.00	.00	22.32
(2)	.03	.11	.00	.00	.00	.03	.03	.06	.00	.03	.00	.20	.14	.08	.00	.00	.00	.70
5.1- 6.0	1	2	0	0	0	1	0	0	2	0	0	9	0	0	0	0	0	15
(1)	.89	1.79	.00	.00	.00	.89	.00	.00	1.79	.00	.00	8.04	.00	.00	.00	.00	.00	13.39
(2)	.03	.06	.00	.00	.00	.03	.00	.00	.06	.00	.00	.25	.00	.00	.00	.00	.00	.42
6.1- 8.0	1	1	0	0	0	0	0	0	0	0	0	9	0	0	0	2	0	13
(1)	.89	.89	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.04	.00	.00	.00	1.79	.00	11.61
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.00	.00	.00	.06	.00	.36
8.1-10.0	1	0	0	0	0	0	0	0	0	0	0	8	8	1	0	0	0	18
(1)	.89	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.14	7.14	.89	.00	.00	.00	16.07
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.22	.03	.00	.00	.00	.51
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.89	.89	.00	.00	.89	.00	2.68
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.03	.00	.08
ALL SPEEDS	5	11	2	0	0	2	1	5	3	4	0	38	17	9	2	13	0	112
(1)	4.46	9.82	1.79	.00	.00	1.79	.89	4.46	2.68	3.57	.00	33.93	15.18	8.04	1.79	11.61	.00	100.00
(2)	.14	.31	.06	.00	.00	.06	.03	.14	.08	.11	.00	1.07	.48	.25	.06	.36	.00	3.14

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Table 2.3-56—{NMPNS 100 ft (30-m) 2001-2005 June JFD}

(Page 3 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 3.54

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	3
(1)	.00	.00	.79	.00	.00	.00	.00	.00	.00	.00	.00	.79	.00	.00	.79	.00	.00	2.38
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.00	.00	.08
1.6- 2.0	0	1	1	0	0	0	0	1	0	0	1	0	0	0	1	3	0	8
(1)	.00	.79	.79	.00	.00	.00	.00	.79	.00	.00	.79	.00	.00	.00	.79	2.38	.00	6.35
(2)	.00	.03	.03	.00	.00	.00	.00	.03	.00	.00	.03	.00	.00	.00	.03	.08	.00	.22
2.1- 3.0	0	3	0	0	0	0	0	0	2	0	0	2	0	1	1	3	0	12
(1)	.00	2.38	.00	.00	.00	.00	.00	.00	1.59	.00	.00	1.59	.00	.79	.79	2.38	.00	9.52
(2)	.00	.08	.00	.00	.00	.00	.00	.00	.06	.00	.00	.06	.00	.03	.03	.08	.00	.34
3.1- 4.0	1	2	0	0	0	0	1	4	5	1	0	5	2	2	1	0	0	24
(1)	.79	1.59	.00	.00	.00	.00	.79	3.17	3.97	.79	.00	3.97	1.59	1.59	.79	.00	.00	19.05
(2)	.03	.06	.00	.00	.00	.00	.03	.11	.14	.03	.00	.14	.06	.06	.03	.00	.00	.67
4.1- 5.0	1	3	0	0	1	0	1	3	4	5	0	6	3	3	0	1	0	31
(1)	.79	2.38	.00	.00	.79	.00	.79	2.38	3.17	3.97	.00	4.76	2.38	2.38	.00	.79	.00	24.60
(2)	.03	.08	.00	.00	.03	.00	.03	.08	.11	.14	.00	.17	.08	.08	.00	.03	.00	.87
5.1- 6.0	2	0	0	0	0	1	1	0	0	1	0	7	1	0	0	0	0	13
(1)	1.59	.00	.00	.00	.00	.79	.79	.00	.00	.79	.00	5.56	.79	.00	.00	.00	.00	10.32
(2)	.06	.00	.00	.00	.00	.03	.03	.00	.00	.03	.00	.20	.03	.00	.00	.00	.00	.36
6.1- 8.0	1	0	0	0	0	1	0	0	0	0	0	10	3	0	1	2	0	18
(1)	.79	.00	.00	.00	.00	.79	.00	.00	.00	.00	.00	7.94	2.38	.00	.79	1.59	.00	14.29
(2)	.03	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.28	.08	.00	.03	.06	.00	.51
8.1-10.0	1	1	0	0	0	0	0	0	0	0	0	5	6	2	0	0	0	15
(1)	.79	.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.97	4.76	1.59	.00	.00	.00	11.90
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.17	.06	.00	.00	.00	.42
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.79	.79	.00	.00	.00	.00	1.59
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.06
ALL SPEEDS	6	10	2	0	1	2	3	8	11	7	1	37	16	8	5	9	0	126
(1)	4.76	7.94	1.59	.00	.79	1.59	2.38	6.35	8.73	5.56	.79	29.37	12.70	6.35	3.97	7.14	.00	100.00
(2)	.17	.28	.06	.00	.03	.06	.08	.22	.31	.20	.03	1.04	.45	.22	.14	.25	.00	3.54

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Table 2.3-56—{NMPNS 100 ft (30-m) 2001-2005 June JFD}

(Page 4 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 26.68

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	2	0	1	0	0	0	1	1	0	0	0	1	1	0	0	8
(1)	.11	.00	.21	.00	.11	.00	.00	.00	.11	.11	.00	.00	.00	.11	.11	.00	.00	.84
(2)	.03	.00	.06	.00	.03	.00	.00	.00	.03	.03	.00	.00	.00	.03	.03	.00	.00	.22
1.1- 1.5	2	2	4	4	0	2	0	2	0	2	2	3	3	5	7	4	0	42
(1)	.21	.21	.42	.42	.00	.21	.00	.21	.00	.21	.21	.32	.32	.53	.74	.42	.00	4.42
(2)	.06	.06	.11	.11	.00	.06	.00	.06	.00	.06	.06	.08	.08	.14	.20	.11	.00	1.18
1.6- 2.0	9	6	12	3	5	2	3	0	3	4	2	6	11	4	6	4	0	80
(1)	.95	.63	1.26	.32	.53	.21	.32	.00	.32	.42	.21	.63	1.16	.42	.63	.42	.00	8.41
(2)	.25	.17	.34	.08	.14	.06	.08	.00	.08	.11	.06	.17	.31	.11	.17	.11	.00	2.24
2.1- 3.0	9	16	12	6	3	4	9	8	15	14	6	11	17	13	7	6	0	156
(1)	.95	1.68	1.26	.63	.32	.42	.95	.84	1.58	1.47	.63	1.16	1.79	1.37	.74	.63	.00	16.40
(2)	.25	.45	.34	.17	.08	.11	.25	.22	.42	.39	.17	.31	.48	.36	.20	.17	.00	4.38
3.1- 4.0	4	12	9	1	3	2	19	14	13	17	7	30	20	4	5	3	0	163
(1)	.42	1.26	.95	.11	.32	.21	2.00	1.47	1.37	1.79	.74	3.15	2.10	.42	.53	.32	.00	17.14
(2)	.11	.34	.25	.03	.08	.06	.53	.39	.36	.48	.20	.84	.56	.11	.14	.08	.00	4.57
4.1- 5.0	3	10	3	0	0	5	11	10	19	6	5	65	12	2	4	5	0	160
(1)	.32	1.05	.32	.00	.00	.53	1.16	1.05	2.00	.63	.53	6.83	1.26	.21	.42	.53	.00	16.82
(2)	.08	.28	.08	.00	.00	.14	.31	.28	.53	.17	.14	1.82	.34	.06	.11	.14	.00	4.49
5.1- 6.0	0	12	0	0	0	4	12	6	7	7	9	64	13	3	1	2	0	140
(1)	.00	1.26	.00	.00	.00	.42	1.26	.63	.74	.74	.95	6.73	1.37	.32	.11	.21	.00	14.72
(2)	.00	.34	.00	.00	.00	.11	.34	.17	.20	.20	.25	1.80	.36	.08	.03	.06	.00	3.93
6.1- 8.0	8	5	0	0	0	7	13	2	1	2	1	84	14	5	3	2	0	147
(1)	.84	.53	.00	.00	.00	.74	1.37	.21	.11	.21	.11	8.83	1.47	.53	.32	.21	.00	15.46
(2)	.22	.14	.00	.00	.00	.20	.36	.06	.03	.06	.03	2.36	.39	.14	.08	.06	.00	4.12
8.1-10.0	5	0	0	0	0	1	0	0	0	0	0	21	10	4	3	0	0	44
(1)	.53	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	2.21	1.05	.42	.32	.00	.00	4.63
(2)	.14	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.59	.28	.11	.08	.00	.00	1.23
10.1-40.3	0	1	0	0	0	0	0	0	0	0	0	7	3	0	0	0	0	11
(1)	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.74	.32	.00	.00	.00	.00	1.16
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.08	.00	.00	.00	.00	.31
ALL SPEEDS	41	64	42	14	12	27	67	42	59	53	32	291	103	41	37	26	0	951
(1)	4.31	6.73	4.42	1.47	1.26	2.84	7.05	4.42	6.20	5.57	3.36	30.60	10.83	4.31	3.89	2.73	.00	100.00
(2)	1.15	1.80	1.18	.39	.34	.76	1.88	1.18	1.66	1.49	.90	8.16	2.89	1.15	1.04	.73	.00	26.68

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Table 2.3-56—{NMPNS 100 ft (30-m) 2001-2005 June JFD}

(Page 5 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 34.43

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	2	5	2	2	0	2	0	2	1	2	1	3	0	0	3	0	26
(1)	.08	.16	.41	.16	.16	.00	.16	.00	.16	.08	.16	.08	.24	.00	.00	.24	.00	2.12
(2)	.03	.06	.14	.06	.06	.00	.06	.00	.06	.03	.06	.03	.08	.00	.00	.08	.00	.73
1.1- 1.5	5	10	4	10	3	1	1	0	3	1	4	3	6	3	2	4	0	60
(1)	.41	.81	.33	.81	.24	.08	.08	.00	.24	.08	.33	.24	.49	.24	.16	.33	.00	4.89
(2)	.14	.28	.11	.28	.08	.03	.03	.00	.08	.03	.11	.08	.17	.08	.06	.11	.00	1.68
1.6- 2.0	3	11	17	11	6	4	4	3	6	5	5	8	15	3	6	8	0	115
(1)	.24	.90	1.39	.90	.49	.33	.33	.24	.49	.41	.41	.65	1.22	.24	.49	.65	.00	9.37
(2)	.08	.31	.48	.31	.17	.11	.11	.08	.17	.14	.14	.22	.42	.08	.17	.22	.00	3.23
2.1- 3.0	16	24	20	6	6	7	15	15	14	13	16	32	26	8	7	7	0	232
(1)	1.30	1.96	1.63	.49	.49	.57	1.22	1.22	1.14	1.06	1.30	2.61	2.12	.65	.57	.57	.00	18.91
(2)	.45	.67	.56	.17	.17	.20	.42	.42	.39	.36	.45	.90	.73	.22	.20	.20	.00	6.51
3.1- 4.0	7	11	3	1	0	8	26	21	21	22	25	66	21	4	2	4	0	242
(1)	.57	.90	.24	.08	.00	.65	2.12	1.71	1.71	1.79	2.04	5.38	1.71	.33	.16	.33	.00	19.72
(2)	.20	.31	.08	.03	.00	.22	.73	.59	.59	.62	.70	1.85	.59	.11	.06	.11	.00	6.79
4.1- 5.0	5	5	1	0	0	5	15	21	34	25	22	73	7	4	2	3	0	222
(1)	.41	.41	.08	.00	.00	.41	1.22	1.71	2.77	2.04	1.79	5.95	.57	.33	.16	.24	.00	18.09
(2)	.14	.14	.03	.00	.00	.14	.42	.59	.95	.70	.62	2.05	.20	.11	.06	.08	.00	6.23
5.1- 6.0	3	2	0	0	0	9	24	26	30	10	23	62	11	2	0	1	0	203
(1)	.24	.16	.00	.00	.00	.73	1.96	2.12	2.44	.81	1.87	5.05	.90	.16	.00	.08	.00	16.54
(2)	.08	.06	.00	.00	.00	.25	.67	.73	.84	.28	.65	1.74	.31	.06	.00	.03	.00	5.70
6.1- 8.0	2	1	0	0	0	9	14	8	8	0	7	43	12	2	0	0	0	106
(1)	.16	.08	.00	.00	.00	.73	1.14	.65	.65	.00	.57	3.50	.98	.16	.00	.00	.00	8.64
(2)	.06	.03	.00	.00	.00	.25	.39	.22	.22	.00	.20	1.21	.34	.06	.00	.00	.00	2.97
8.1-10.0	1	0	0	0	0	0	0	1	0	0	0	13	4	1	0	0	0	20
(1)	.08	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	1.06	.33	.08	.00	.00	.00	1.63
(2)	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.36	.11	.03	.00	.00	.00	.56
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.08
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
ALL SPEEDS	43	66	50	30	17	43	101	95	118	77	104	301	105	28	19	30	0	1227
(1)	3.50	5.38	4.07	2.44	1.39	3.50	8.23	7.74	9.62	6.28	8.48	24.53	8.56	2.28	1.55	2.44	.00	100.00
(2)	1.21	1.85	1.40	.84	.48	1.21	2.83	2.67	3.31	2.16	2.92	8.45	2.95	.79	.53	.84	.00	34.43

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Table 2.3-56—{NMPNS 100 ft (30-m) 2001-2005 June JFD}

(Page 6 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 14.81

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	2	1	4	2	3	0	0	0	0	1	3	0	0	2	1	1	0	20
(1)	.38	.19	.76	.38	.57	.00	.00	.00	.00	.19	.57	.00	.00	.38	.19	.19	.00	3.79
(2)	.06	.03	.11	.06	.08	.00	.00	.00	.00	.03	.08	.00	.00	.06	.03	.03	.00	.56
1.1- 1.5	5	2	4	1	2	1	1	1	3	1	5	1	1	4	4	0	0	36
(1)	.95	.38	.76	.19	.38	.19	.19	.19	.57	.19	.95	.19	.19	.76	.76	.00	.00	6.82
(2)	.14	.06	.11	.03	.06	.03	.03	.03	.08	.03	.14	.03	.03	.11	.11	.00	.00	1.01
1.6- 2.0	2	1	5	9	5	7	3	1	1	7	9	5	6	4	2	3	0	70
(1)	.38	.19	.95	1.70	.95	1.33	.57	.19	.19	1.33	1.70	.95	1.14	.76	.38	.57	.00	13.26
(2)	.06	.03	.14	.25	.14	.20	.08	.03	.03	.20	.25	.14	.17	.11	.06	.08	.00	1.96
2.1- 3.0	7	5	4	1	16	9	4	3	10	4	14	22	11	2	1	3	0	116
(1)	1.33	.95	.76	.19	3.03	1.70	.76	.57	1.89	.76	2.65	4.17	2.08	.38	.19	.57	.00	21.97
(2)	.20	.14	.11	.03	.45	.25	.11	.08	.28	.11	.39	.62	.31	.06	.03	.08	.00	3.25
3.1- 4.0	4	5	3	0	1	5	14	14	10	14	15	20	5	2	0	1	0	113
(1)	.76	.95	.57	.00	.19	.95	2.65	2.65	1.89	2.65	2.84	3.79	.95	.38	.00	.19	.00	21.40
(2)	.11	.14	.08	.00	.03	.14	.39	.39	.28	.39	.42	.56	.14	.06	.00	.03	.00	3.17
4.1- 5.0	1	2	0	0	0	0	11	15	10	21	12	11	4	1	1	1	0	90
(1)	.19	.38	.00	.00	.00	.00	2.08	2.84	1.89	3.98	2.27	2.08	.76	.19	.19	.19	.00	17.05
(2)	.03	.06	.00	.00	.00	.00	.31	.42	.28	.59	.34	.31	.11	.03	.03	.03	.00	2.53
5.1- 6.0	5	1	0	0	0	0	1	4	17	7	2	17	5	2	1	0	0	62
(1)	.95	.19	.00	.00	.00	.00	.19	.76	3.22	1.33	.38	3.22	.95	.38	.19	.00	.00	11.74
(2)	.14	.03	.00	.00	.00	.00	.03	.11	.48	.20	.06	.48	.14	.06	.03	.00	.00	1.74
6.1- 8.0	1	0	0	0	0	0	0	0	1	0	0	12	3	1	0	1	0	19
(1)	.19	.00	.00	.00	.00	.00	.00	.00	.19	.00	.00	2.27	.57	.19	.00	.19	.00	3.60
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.34	.08	.03	.00	.03	.00	.53
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.38	.00	.00	.00	.00	.00	.38
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.06
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	27	17	20	13	27	22	34	38	52	55	60	90	35	18	10	10	0	528
(1)	5.11	3.22	3.79	2.46	5.11	4.17	6.44	7.20	9.85	10.42	11.36	17.05	6.63	3.41	1.89	1.89	.00	100.00
(2)	.76	.48	.56	.36	.76	.62	.95	1.07	1.46	1.54	1.68	2.53	.98	.51	.28	.28	.00	14.81

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Table 2.3-56—{NMPNS 100 ft (30-m) 2001-2005 June JFD}

(Page 7 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 11.84

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	0	2	1	3	5	3	1	2	0	3	2	2	1	4	1	0	0	30
(1)	.00	.47	.24	.71	1.18	.71	.24	.47	.00	.71	.47	.47	.24	.95	.24	.00	.00	7.11
(2)	.00	.06	.03	.08	.14	.08	.03	.06	.00	.08	.06	.06	.03	.11	.03	.00	.00	.84
1.1- 1.5	0	5	4	5	3	4	5	3	0	4	5	3	4	3	0	1	0	49
(1)	.00	1.18	.95	1.18	.71	.95	1.18	.71	.00	.95	1.18	.71	.95	.71	.00	.24	.00	11.61
(2)	.00	.14	.11	.14	.08	.11	.14	.08	.00	.11	.14	.08	.11	.08	.00	.03	.00	1.37
1.6- 2.0	1	2	1	9	9	3	1	9	6	5	8	4	1	0	0	1	0	60
(1)	.24	.47	.24	2.13	2.13	.71	.24	2.13	1.42	1.18	1.90	.95	.24	.00	.00	.24	.00	14.22
(2)	.03	.06	.03	.25	.25	.08	.03	.25	.17	.14	.22	.11	.03	.00	.00	.03	.00	1.68
2.1- 3.0	1	4	0	0	18	11	11	12	9	5	15	8	0	1	0	0	0	95
(1)	.24	.95	.00	.00	4.27	2.61	2.61	2.84	2.13	1.18	3.55	1.90	.00	.24	.00	.00	.00	22.51
(2)	.03	.11	.00	.00	.51	.31	.31	.34	.25	.14	.42	.22	.00	.03	.00	.00	.00	2.67
3.1- 4.0	0	2	0	0	2	10	11	14	11	14	6	3	1	0	0	0	0	74
(1)	.00	.47	.00	.00	.47	2.37	2.61	3.32	2.61	3.32	1.42	.71	.24	.00	.00	.00	.00	17.54
(2)	.00	.06	.00	.00	.06	.28	.31	.39	.31	.39	.17	.08	.03	.00	.00	.00	.00	2.08
4.1- 5.0	0	2	0	0	0	2	18	11	23	16	2	4	1	0	0	0	0	79
(1)	.00	.47	.00	.00	.00	.47	4.27	2.61	5.45	3.79	.47	.95	.24	.00	.00	.00	.00	18.72
(2)	.00	.06	.00	.00	.00	.06	.51	.31	.65	.45	.06	.11	.03	.00	.00	.00	.00	2.22
5.1- 6.0	0	0	0	0	0	0	1	1	4	2	0	9	3	0	0	0	0	20
(1)	.00	.00	.00	.00	.00	.00	.24	.24	.95	.47	.00	2.13	.71	.00	.00	.00	.00	4.74
(2)	.00	.00	.00	.00	.00	.00	.03	.03	.11	.06	.00	.25	.08	.00	.00	.00	.00	.56
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	4	3	2	0	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.95	.71	.47	.00	.00	.00	2.13
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.08	.06	.00	.00	.00	.25
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.24	.24	.47	.00	.00	1.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.03	.06	.00	.00	.14
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	2	17	6	17	37	33	48	53	53	49	38	38	15	11	3	2	0	422
(1)	.47	4.03	1.42	4.03	8.77	7.82	11.37	12.56	12.56	11.61	9.00	9.00	3.55	2.61	.71	.47	.00	100.00
(2)	.06	.48	.17	.48	1.04	.93	1.35	1.49	1.49	1.37	1.07	1.07	.42	.31	.08	.06	.00	11.84

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Table 2.3-56—{NMPNS 100 ft (30-m) 2001-2005 June JFD}

(Page 8 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	4	5	12	7	11	3	3	2	3	6	7	3	4	7	3	4	0	84
(1)	.11	.14	.34	.20	.31	.08	.08	.06	.08	.17	.20	.08	.11	.20	.08	.11	.00	2.36
(2)	.11	.14	.34	.20	.31	.08	.08	.06	.08	.17	.20	.08	.11	.20	.08	.11	.00	2.36
1.1- 1.5	12	19	17	20	8	8	7	6	6	8	16	11	14	15	14	10	0	191
(1)	.34	.53	.48	.56	.22	.22	.20	.17	.17	.22	.45	.31	.39	.42	.39	.28	.00	5.36
(2)	.34	.53	.48	.56	.22	.22	.20	.17	.17	.22	.45	.31	.39	.42	.39	.28	.00	5.36
1.6- 2.0	15	21	36	32	25	16	11	14	16	21	25	23	33	14	17	26	0	345
(1)	.42	.59	1.01	.90	.70	.45	.31	.39	.45	.59	.70	.65	.93	.39	.48	.73	.00	9.68
(2)	.42	.59	1.01	.90	.70	.45	.31	.39	.45	.59	.70	.65	.93	.39	.48	.73	.00	9.68
2.1- 3.0	35	54	37	13	43	31	39	38	50	37	51	75	56	31	22	32	0	644
(1)	.98	1.52	1.04	.36	1.21	.87	1.09	1.07	1.40	1.04	1.43	2.10	1.57	.87	.62	.90	.00	18.07
(2)	.98	1.52	1.04	.36	1.21	.87	1.09	1.07	1.40	1.04	1.43	2.10	1.57	.87	.62	.90	.00	18.07
3.1- 4.0	19	34	16	2	6	25	71	72	61	70	53	129	50	15	11	12	0	646
(1)	.53	.95	.45	.06	.17	.70	1.99	2.02	1.71	1.96	1.49	3.62	1.40	.42	.31	.34	.00	18.13
(2)	.53	.95	.45	.06	.17	.70	1.99	2.02	1.71	1.96	1.49	3.62	1.40	.42	.31	.34	.00	18.13
4.1- 5.0	15	31	4	0	1	13	57	63	91	74	41	185	32	13	10	18	0	648
(1)	.42	.87	.11	.00	.03	.36	1.60	1.77	2.55	2.08	1.15	5.19	.90	.36	.28	.51	.00	18.18
(2)	.42	.87	.11	.00	.03	.36	1.60	1.77	2.55	2.08	1.15	5.19	.90	.36	.28	.51	.00	18.18
5.1- 6.0	14	17	0	0	0	15	43	37	60	27	34	198	33	7	3	8	0	496
(1)	.39	.48	.00	.00	.00	.42	1.21	1.04	1.68	.76	.95	5.56	.93	.20	.08	.22	.00	13.92
(2)	.39	.48	.00	.00	.00	.42	1.21	1.04	1.68	.76	.95	5.56	.93	.20	.08	.22	.00	13.92
6.1- 8.0	16	8	0	0	0	17	28	10	10	2	8	186	41	11	6	13	0	356
(1)	.45	.22	.00	.00	.00	.48	.79	.28	.28	.06	.22	5.22	1.15	.31	.17	.36	.00	9.99
(2)	.45	.22	.00	.00	.00	.48	.79	.28	.28	.06	.22	5.22	1.15	.31	.17	.36	.00	9.99
8.1-10.0	12	2	0	0	0	1	0	1	0	0	0	59	30	12	7	0	0	124
(1)	.34	.06	.00	.00	.00	.03	.00	.03	.00	.00	.00	1.66	.84	.34	.20	.00	.00	3.48
(2)	.34	.06	.00	.00	.00	.03	.00	.03	.00	.00	.00	1.66	.84	.34	.20	.00	.00	3.48
10.1-40.3	0	1	0	0	0	0	0	0	0	0	0	13	13	1	0	1	0	29
(1)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.36	.36	.03	.00	.03	.00	.81
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.36	.36	.03	.00	.03	.00	.81
ALL SPEEDS	142	192	122	74	94	129	259	244	297	245	235	882	306	126	93	124	0	3564
(1)	3.98	5.39	3.42	2.08	2.64	3.62	7.27	6.85	8.33	6.87	6.59	24.75	8.59	3.54	2.61	3.48	.00	100.00
(2)	3.98	5.39	3.42	2.08	2.64	3.62	7.27	6.85	8.33	6.87	6.59	24.75	8.59	3.54	2.61	3.48	.00	100.00

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Table 2.3-57—{NMPNS 100 ft (30-m) 2001-2005 July JFD}

(Page 1 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 10.90

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	7	4	0	15
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.00	.00	.25	.50	1.74	1.00	.00	3.73
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.05	.19	.11	.00	.41
2.1- 3.0	4	6	2	0	0	0	0	0	1	0	0	0	3	13	13	15	0	57
(1)	1.00	1.49	.50	.00	.00	.00	.00	.00	.25	.00	.00	.00	.75	3.23	3.23	3.73	.00	14.18
(2)	.11	.16	.05	.00	.00	.00	.00	.00	.03	.00	.00	.00	.08	.35	.35	.41	.00	1.55
3.1- 4.0	12	5	0	0	0	0	2	0	3	0	0	15	4	8	7	10	0	66
(1)	2.99	1.24	.00	.00	.00	.00	.50	.00	.75	.00	.00	3.73	1.00	1.99	1.74	2.49	.00	16.42
(2)	.33	.14	.00	.00	.00	.00	.05	.00	.08	.00	.00	.41	.11	.22	.19	.27	.00	1.79
4.1- 5.0	2	5	0	0	0	0	4	1	2	0	0	32	7	6	5	9	0	73
(1)	.50	1.24	.00	.00	.00	.00	1.00	.25	.50	.00	.00	7.96	1.74	1.49	1.24	2.24	.00	18.16
(2)	.05	.14	.00	.00	.00	.00	.11	.03	.05	.00	.00	.87	.19	.16	.14	.24	.00	1.98
5.1- 6.0	4	5	0	0	0	0	0	0	0	0	0	46	3	5	0	5	0	68
(1)	1.00	1.24	.00	.00	.00	.00	.00	.00	.00	.00	.00	11.44	.75	1.24	.00	1.24	.00	16.92
(2)	.11	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.25	.08	.14	.00	.14	.00	1.84
6.1- 8.0	17	7	0	0	0	0	0	0	0	0	0	48	3	6	6	1	0	88
(1)	4.23	1.74	.00	.00	.00	.00	.00	.00	.00	.00	.00	11.94	.75	1.49	1.49	.25	.00	21.89
(2)	.46	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.30	.08	.16	.16	.03	.00	2.39
8.1-10.0	10	0	0	0	0	0	0	0	0	0	0	10	6	0	3	1	0	30
(1)	2.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.49	1.49	.00	.75	.25	.00	7.46
(2)	.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27	.16	.00	.08	.03	.00	.81
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	1.00	.00	.00	.00	.00	1.24
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.11	.00	.00	.00	.00	.14
ALL SPEEDS	49	28	2	0	0	0	6	1	6	1	0	152	31	40	41	45	0	402
(1)	12.19	6.97	.50	.00	.00	.00	1.49	.25	1.49	.25	.00	37.81	7.71	9.95	10.20	11.19	.00	100.00
(2)	1.33	.76	.05	.00	.00	.00	.16	.03	.16	.03	.00	4.12	.84	1.08	1.11	1.22	.00	10.90

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Table 2.3-57—{NMPNS 100 ft (30-m) 2001-2005 July JFD}

(Page 2 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.72

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	0	1	0	1	0	0	1	0	0	0	0	0	0	1	0	0	5
(1)	.57	.00	.57	.00	.57	.00	.00	.57	.00	.00	.00	.00	.00	.00	.57	.00	.00	2.87
(2)	.03	.00	.03	.00	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.14
2.1- 3.0	2	1	3	0	0	0	4	2	2	1	0	2	7	4	1	3	0	32
(1)	1.15	.57	1.72	.00	.00	.00	2.30	1.15	1.15	.57	.00	1.15	4.02	2.30	.57	1.72	.00	18.39
(2)	.05	.03	.08	.00	.00	.00	.11	.05	.05	.03	.00	.05	.19	.11	.03	.08	.00	.87
3.1- 4.0	0	5	0	0	0	0	5	2	0	0	0	5	12	3	0	1	0	33
(1)	.00	2.87	.00	.00	.00	.00	2.87	1.15	.00	.00	.00	2.87	6.90	1.72	.00	.57	.00	18.97
(2)	.00	.14	.00	.00	.00	.00	.14	.05	.00	.00	.00	.14	.33	.08	.00	.03	.00	.89
4.1- 5.0	1	2	0	0	0	0	3	3	2	1	0	10	11	0	1	0	0	34
(1)	.57	1.15	.00	.00	.00	.00	1.72	1.72	1.15	.57	.00	5.75	6.32	.00	.57	.00	.00	19.54
(2)	.03	.05	.00	.00	.00	.00	.08	.08	.05	.03	.00	.27	.30	.00	.03	.00	.00	.92
5.1- 6.0	1	0	0	0	0	2	1	5	0	0	0	6	7	0	1	0	0	23
(1)	.57	.00	.00	.00	.00	1.15	.57	2.87	.00	.00	.00	3.45	4.02	.00	.57	.00	.00	13.22
(2)	.03	.00	.00	.00	.00	.05	.03	.14	.00	.00	.00	.16	.19	.00	.03	.00	.00	.62
6.1- 8.0	2	1	0	0	0	0	0	0	0	0	0	12	13	4	2	0	0	34
(1)	1.15	.57	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.90	7.47	2.30	1.15	.00	.00	19.54
(2)	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33	.35	.11	.05	.00	.00	.92
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	2.30	1.15	.00	.00	4.02
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.11	.05	.00	.00	.19
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.87	.57	.00	.00	.00	3.45
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.03	.00	.00	.00	.16
ALL SPEEDS	7	9	4	0	1	2	13	13	4	2	0	35	56	16	8	4	0	174
(1)	4.02	5.17	2.30	.00	.57	1.15	7.47	7.47	2.30	1.15	.00	20.11	32.18	9.20	4.60	2.30	.00	100.00
(2)	.19	.24	.11	.00	.03	.05	.35	.35	.11	.05	.00	.95	1.52	.43	.22	.11	.00	4.72

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Table 2.3-57—{NMPNS 100 ft (30-m) 2001-2005 July JFD}

(Page 3 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.58

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.49	.00	.49
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03
1.1- 1.5	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
(1)	.00	.00	.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.49	.00	.00	.00	.97
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.05
1.6- 2.0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4
(1)	.49	.49	.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.49	.00	.00	.00	1.94
(2)	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.11
2.1- 3.0	2	5	5	1	1	4	2	6	5	1	0	5	4	1	2	0	0	44
(1)	.97	2.43	2.43	.49	.49	1.94	.97	2.91	2.43	.49	.00	2.43	1.94	.49	.97	.00	.00	21.36
(2)	.05	.14	.14	.03	.03	.11	.05	.16	.14	.03	.00	.14	.11	.03	.05	.00	.00	1.19
3.1- 4.0	2	2	0	0	0	0	3	3	2	1	0	9	9	2	4	1	0	38
(1)	.97	.97	.00	.00	.00	.00	1.46	1.46	.97	.49	.00	4.37	4.37	.97	1.94	.49	.00	18.45
(2)	.05	.05	.00	.00	.00	.00	.08	.08	.05	.03	.00	.24	.24	.05	.11	.03	.00	1.03
4.1- 5.0	2	0	0	0	0	0	8	0	3	1	0	6	6	0	1	2	0	29
(1)	.97	.00	.00	.00	.00	.00	3.88	.00	1.46	.49	.00	2.91	2.91	.00	.49	.97	.00	14.08
(2)	.05	.00	.00	.00	.00	.00	.22	.00	.08	.03	.00	.16	.16	.00	.03	.05	.00	.79
5.1- 6.0	2	3	0	0	0	2	0	2	0	0	0	9	3	1	1	0	0	23
(1)	.97	1.46	.00	.00	.00	.97	.00	.97	.00	.00	.00	4.37	1.46	.49	.49	.00	.00	11.17
(2)	.05	.08	.00	.00	.00	.05	.00	.05	.00	.00	.00	.24	.08	.03	.03	.00	.00	.62
6.1- 8.0	3	1	1	0	0	0	1	0	0	0	0	13	16	5	1	1	0	42
(1)	1.46	.49	.49	.00	.00	.00	.49	.00	.00	.00	.00	6.31	7.77	2.43	.49	.49	.00	20.39
(2)	.08	.03	.03	.00	.00	.00	.03	.00	.00	.00	.00	.35	.43	.14	.03	.03	.00	1.14
8.1-10.0	1	0	0	0	0	0	0	0	0	0	0	0	10	5	1	1	0	18
(1)	.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.85	2.43	.49	.49	.00	8.74
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27	.14	.03	.03	.00	.49
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.97	1.46	.00	.00	.00	2.43
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.08	.00	.00	.00	.14
ALL SPEEDS	13	12	8	1	1	6	14	11	10	3	0	42	50	19	10	6	0	206
(1)	6.31	5.83	3.88	.49	.49	2.91	6.80	5.34	4.85	1.46	.00	20.39	24.27	9.22	4.85	2.91	.00	100.00
(2)	.35	.33	.22	.03	.03	.16	.38	.30	.27	.08	.00	1.14	1.36	.52	.27	.16	.00	5.58

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Table 2.3-57—{NMPNS 100 ft (30-m) 2001-2005 July JFD}

(Page 4 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 31.50

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	2	0	3	2	3	1	2	0	0	1	2	0	0	1	0	0	0	17
(1)	.17	.00	.26	.17	.26	.09	.17	.00	.00	.09	.17	.00	.00	.09	.00	.00	.00	1.46
(2)	.05	.00	.08	.05	.08	.03	.05	.00	.00	.03	.05	.00	.00	.03	.00	.00	.00	.46
1.1- 1.5	4	3	7	2	4	2	2	0	1	2	0	1	3	2	3	4	0	40
(1)	.34	.26	.60	.17	.34	.17	.17	.00	.09	.17	.00	.09	.26	.17	.26	.34	.00	3.44
(2)	.11	.08	.19	.05	.11	.05	.05	.00	.03	.05	.00	.03	.08	.05	.08	.11	.00	1.08
1.6- 2.0	7	6	10	3	4	3	3	5	7	2	1	3	4	2	3	5	0	68
(1)	.60	.52	.86	.26	.34	.26	.26	.43	.60	.17	.09	.26	.34	.17	.26	.43	.00	5.85
(2)	.19	.16	.27	.08	.11	.08	.08	.14	.19	.05	.03	.08	.11	.05	.08	.14	.00	1.84
2.1- 3.0	6	14	17	1	6	12	5	16	18	10	8	17	24	5	5	10	0	174
(1)	.52	1.20	1.46	.09	.52	1.03	.43	1.38	1.55	.86	.69	1.46	2.07	.43	.43	.86	.00	14.97
(2)	.16	.38	.46	.03	.16	.33	.14	.43	.49	.27	.22	.46	.65	.14	.14	.27	.00	4.72
3.1- 4.0	6	11	7	0	4	14	16	19	22	15	8	17	20	7	3	4	0	173
(1)	.52	.95	.60	.00	.34	1.20	1.38	1.64	1.89	1.29	.69	1.46	1.72	.60	.26	.34	.00	14.89
(2)	.16	.30	.19	.00	.11	.38	.43	.52	.60	.41	.22	.46	.54	.19	.08	.11	.00	4.69
4.1- 5.0	8	14	5	0	2	18	20	12	28	11	12	37	23	15	6	5	0	216
(1)	.69	1.20	.43	.00	.17	1.55	1.72	1.03	2.41	.95	1.03	3.18	1.98	1.29	.52	.43	.00	18.59
(2)	.22	.38	.14	.00	.05	.49	.54	.33	.76	.30	.33	1.00	.62	.41	.16	.14	.00	5.86
5.1- 6.0	11	17	2	0	0	6	20	17	7	5	15	47	25	5	2	4	0	183
(1)	.95	1.46	.17	.00	.00	.52	1.72	1.46	.60	.43	1.29	4.04	2.15	.43	.17	.34	.00	15.75
(2)	.30	.46	.05	.00	.00	.16	.54	.46	.19	.14	.41	1.27	.68	.14	.05	.11	.00	4.96
6.1- 8.0	3	23	0	0	0	0	6	3	5	1	8	62	46	13	12	8	0	190
(1)	.26	1.98	.00	.00	.00	.00	.52	.26	.43	.09	.69	5.34	3.96	1.12	1.03	.69	.00	16.35
(2)	.08	.62	.00	.00	.00	.00	.16	.08	.14	.03	.22	1.68	1.25	.35	.33	.22	.00	5.15
8.1-10.0	7	4	0	0	0	0	0	0	0	0	0	10	40	12	6	3	0	82
(1)	.60	.34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.86	3.44	1.03	.52	.26	.00	7.06
(2)	.19	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27	1.08	.33	.16	.08	.00	2.22
10.1-40.3	4	0	0	0	0	0	0	0	0	0	0	4	8	2	1	0	0	19
(1)	.34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.34	.69	.17	.09	.00	.00	1.64
(2)	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.22	.05	.03	.00	.00	.52
ALL SPEEDS	58	92	51	8	23	56	74	72	88	47	54	198	193	64	41	43	0	1162
(1)	4.99	7.92	4.39	.69	1.98	4.82	6.37	6.20	7.57	4.04	4.65	17.04	16.61	5.51	3.53	3.70	.00	100.00
(2)	1.57	2.49	1.38	.22	.62	1.52	2.01	1.95	2.39	1.27	1.46	5.37	5.23	1.73	1.11	1.17	.00	31.50

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Table 2.3-57—{NMPNS 100 ft (30-m) 2001-2005 July JFD}

(Page 5 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 29.57

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	3	0	1	0	0	0	0	0	1	1	0	0	2	0	9
(1)	.09	.00	.00	.27	.00	.09	.00	.00	.00	.00	.00	.09	.09	.00	.00	.18	.00	.82
(2)	.03	.00	.00	.08	.00	.03	.00	.00	.00	.00	.00	.03	.03	.00	.00	.05	.00	.24
1.1- 1.5	4	1	6	8	2	2	1	5	1	3	5	3	2	2	2	4	0	51
(1)	.37	.09	.55	.73	.18	.18	.09	.46	.09	.27	.46	.27	.18	.18	.18	.37	.00	4.67
(2)	.11	.03	.16	.22	.05	.05	.03	.14	.03	.08	.14	.08	.05	.05	.05	.11	.00	1.38
1.6- 2.0	1	2	2	12	5	5	2	5	1	2	5	10	0	3	2	5	0	62
(1)	.09	.18	.18	1.10	.46	.46	.18	.46	.09	.18	.46	.92	.00	.27	.18	.46	.00	5.68
(2)	.03	.05	.05	.33	.14	.14	.05	.14	.03	.05	.14	.27	.00	.08	.05	.14	.00	1.68
2.1- 3.0	5	7	5	9	10	9	18	7	13	13	13	19	14	9	0	4	0	155
(1)	.46	.64	.46	.82	.92	.82	1.65	.64	1.19	1.19	1.19	1.74	1.28	.82	.00	.37	.00	14.21
(2)	.14	.19	.14	.24	.27	.24	.49	.19	.35	.35	.35	.52	.38	.24	.00	.11	.00	4.20
3.1- 4.0	7	8	6	9	4	10	33	26	30	23	25	25	8	3	2	4	0	223
(1)	.64	.73	.55	.82	.37	.92	3.02	2.38	2.75	2.11	2.29	2.29	.73	.27	.18	.37	.00	20.44
(2)	.19	.22	.16	.24	.11	.27	.89	.70	.81	.62	.68	.68	.22	.08	.05	.11	.00	6.04
4.1- 5.0	5	0	10	0	0	7	48	37	57	29	25	51	6	1	4	2	0	282
(1)	.46	.00	.92	.00	.00	.64	4.40	3.39	5.22	2.66	2.29	4.67	.55	.09	.37	.18	.00	25.85
(2)	.14	.00	.27	.00	.00	.19	1.30	1.00	1.55	.79	.68	1.38	.16	.03	.11	.05	.00	7.64
5.1- 6.0	2	1	2	0	0	1	19	27	52	10	18	52	3	0	2	1	0	190
(1)	.18	.09	.18	.00	.00	.09	1.74	2.47	4.77	.92	1.65	4.77	.27	.00	.18	.09	.00	17.42
(2)	.05	.03	.05	.00	.00	.03	.52	.73	1.41	.27	.49	1.41	.08	.00	.05	.03	.00	5.15
6.1- 8.0	1	1	2	0	0	0	2	4	1	0	6	55	12	7	2	0	0	93
(1)	.09	.09	.18	.00	.00	.00	.18	.37	.09	.00	.55	5.04	1.10	.64	.18	.00	.00	8.52
(2)	.03	.03	.05	.00	.00	.00	.05	.11	.03	.00	.16	1.49	.33	.19	.05	.00	.00	2.52
8.1-10.0	0	0	0	0	0	0	3	0	0	0	0	9	7	1	3	0	0	23
(1)	.00	.00	.00	.00	.00	.00	.27	.00	.00	.00	.00	.82	.64	.09	.27	.00	.00	2.11
(2)	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00	.24	.19	.03	.08	.00	.00	.62
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.18	.00	.00	.00	.00	.27
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.05	.00	.00	.00	.00	.08
ALL SPEEDS	26	20	33	41	21	35	126	111	155	80	97	226	55	26	17	22	0	1091
(1)	2.38	1.83	3.02	3.76	1.92	3.21	11.55	10.17	14.21	7.33	8.89	20.71	5.04	2.38	1.56	2.02	.00	100.00
(2)	.70	.54	.89	1.11	.57	.95	3.42	3.01	4.20	2.17	2.63	6.13	1.49	.70	.46	.60	.00	29.57

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Table 2.3-57—{NMPNS 100 ft (30-m) 2001-2005 July JFD}

(Page 6 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 9.24

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	1	0	1	0	2	0	4	0	0	0	0	0	0	9
(1)	.00	.00	.00	.29	.29	.00	.29	.00	.59	.00	1.17	.00	.00	.00	.00	.00	.00	2.64
(2)	.00	.00	.00	.03	.03	.00	.03	.00	.05	.00	.11	.00	.00	.00	.00	.00	.00	.24
1.1- 1.5	0	0	4	3	1	1	0	0	1	1	2	0	1	0	0	0	0	14
(1)	.00	.00	1.17	.88	.29	.29	.00	.00	.29	.29	.59	.00	.29	.00	.00	.00	.00	4.11
(2)	.00	.00	.11	.08	.03	.03	.00	.00	.03	.03	.05	.00	.03	.00	.00	.00	.00	.38
1.6- 2.0	0	0	1	1	2	0	3	0	0	5	4	1	1	1	0	0	0	19
(1)	.00	.00	.29	.29	.59	.00	.88	.00	.00	1.47	1.17	.29	.29	.29	.00	.00	.00	5.57
(2)	.00	.00	.03	.03	.05	.00	.08	.00	.00	.14	.11	.03	.03	.03	.00	.00	.00	.52
2.1- 3.0	3	0	2	1	15	12	2	3	6	10	10	4	2	0	1	0	0	71
(1)	.88	.00	.59	.29	4.40	3.52	.59	.88	1.76	2.93	2.93	1.17	.59	.00	.29	.00	.00	20.82
(2)	.08	.00	.05	.03	.41	.33	.05	.08	.16	.27	.27	.11	.05	.00	.03	.00	.00	1.92
3.1- 4.0	0	0	0	0	5	7	9	9	7	12	8	8	2	0	0	0	0	67
(1)	.00	.00	.00	.00	1.47	2.05	2.64	2.64	2.05	3.52	2.35	2.35	.59	.00	.00	.00	.00	19.65
(2)	.00	.00	.00	.00	.14	.19	.24	.24	.19	.33	.22	.22	.05	.00	.00	.00	.00	1.82
4.1- 5.0	0	0	0	0	0	3	13	22	26	25	13	6	4	0	0	0	0	112
(1)	.00	.00	.00	.00	.00	.88	3.81	6.45	7.62	7.33	3.81	1.76	1.17	.00	.00	.00	.00	32.84
(2)	.00	.00	.00	.00	.00	.08	.35	.60	.70	.68	.35	.16	.11	.00	.00	.00	.00	3.04
5.1- 6.0	0	0	0	0	0	0	2	8	15	12	0	3	1	0	0	0	0	41
(1)	.00	.00	.00	.00	.00	.00	.59	2.35	4.40	3.52	.00	.88	.29	.00	.00	.00	.00	12.02
(2)	.00	.00	.00	.00	.00	.00	.05	.22	.41	.33	.00	.08	.03	.00	.00	.00	.00	1.11
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.47	.29	.00	.00	.00	.00	1.76
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.03	.00	.00	.00	.00	.16
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.29	.00	.00	.00	.59
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.05
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	3	0	7	6	24	23	30	42	57	65	41	27	13	2	1	0	0	341
(1)	.88	.00	2.05	1.76	7.04	6.74	8.80	12.32	16.72	19.06	12.02	7.92	3.81	.59	.29	.00	.00	100.00
(2)	.08	.00	.19	.16	.65	.62	.81	1.14	1.55	1.76	1.11	.73	.35	.05	.03	.00	.00	9.24

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Table 2.3-57—{NMPNS 100 ft (30-m) 2001-2005 July JFD}

(Page 7 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 8.48

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.32
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	6
(1)	.00	.00	.32	.32	.00	.00	.32	.32	.32	.32	.00	.00	.00	.00	.00	.00	.00	1.92
(2)	.00	.00	.03	.03	.00	.00	.03	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.16
1.1- 1.5	0	0	0	0	1	3	1	0	0	3	1	1	1	0	0	0	0	11
(1)	.00	.00	.00	.00	.32	.96	.32	.00	.00	.96	.32	.32	.32	.00	.00	.00	.00	3.51
(2)	.00	.00	.00	.00	.03	.08	.03	.00	.00	.08	.03	.03	.03	.00	.00	.00	.00	.30
1.6- 2.0	0	1	0	5	3	0	1	1	0	1	3	4	0	0	0	0	0	19
(1)	.00	.32	.00	1.60	.96	.00	.32	.32	.00	.32	.96	1.28	.00	.00	.00	.00	.00	6.07
(2)	.00	.03	.00	.14	.08	.00	.03	.03	.00	.03	.08	.11	.00	.00	.00	.00	.00	.52
2.1- 3.0	0	0	0	0	8	9	6	7	9	18	9	2	2	0	0	0	0	70
(1)	.00	.00	.00	.00	2.56	2.88	1.92	2.24	2.88	5.75	2.88	.64	.64	.00	.00	.00	.00	22.36
(2)	.00	.00	.00	.00	.22	.24	.16	.19	.24	.49	.24	.05	.05	.00	.00	.00	.00	1.90
3.1- 4.0	0	0	0	0	3	12	4	13	14	19	4	0	0	0	0	0	0	69
(1)	.00	.00	.00	.00	.96	3.83	1.28	4.15	4.47	6.07	1.28	.00	.00	.00	.00	.00	.00	22.04
(2)	.00	.00	.00	.00	.08	.33	.11	.35	.38	.52	.11	.00	.00	.00	.00	.00	.00	1.87
4.1- 5.0	0	0	0	0	0	4	14	38	15	24	2	0	0	0	0	0	0	97
(1)	.00	.00	.00	.00	.00	1.28	4.47	12.14	4.79	7.67	.64	.00	.00	.00	.00	.00	.00	30.99
(2)	.00	.00	.00	.00	.00	.11	.38	1.03	.41	.65	.05	.00	.00	.00	.00	.00	.00	2.63
5.1- 6.0	0	0	0	0	0	0	2	11	20	7	0	0	0	0	0	0	0	40
(1)	.00	.00	.00	.00	.00	.00	.64	3.51	6.39	2.24	.00	.00	.00	.00	.00	.00	.00	12.78
(2)	.00	.00	.00	.00	.00	.00	.05	.30	.54	.19	.00	.00	.00	.00	.00	.00	.00	1.08
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	1	1	7	15	28	29	71	59	73	19	7	3	0	0	0	0	313
(1)	.00	.32	.32	2.24	4.79	8.95	9.27	22.68	18.85	23.32	6.07	2.24	.96	.00	.00	.00	.00	100.00
(2)	.00	.03	.03	.19	.41	.76	.79	1.92	1.60	1.98	.52	.19	.08	.00	.00	.00	.00	8.48

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Table 2.3-57—{NMPNS 100 ft (30-m) 2001-2005 July JFD}

(Page 8 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	3	0	4	7	4	2	4	1	3	2	6	1	1	1	0	3	0	42
(1)	.08	.00	.11	.19	.11	.05	.11	.03	.08	.05	.16	.03	.03	.03	.00	.08	.00	1.14
(2)	.08	.00	.11	.19	.11	.05	.11	.03	.08	.05	.16	.03	.03	.03	.00	.08	.00	1.14
1.1- 1.5	8	4	18	13	8	8	4	5	3	9	8	5	7	5	5	8	0	118
(1)	.22	.11	.49	.35	.22	.22	.11	.14	.08	.24	.22	.14	.19	.14	.14	.22	.00	3.20
(2)	.22	.11	.49	.35	.22	.22	.11	.14	.08	.24	.22	.14	.19	.14	.14	.22	.00	3.20
1.6- 2.0	10	10	15	21	15	8	9	12	8	11	13	18	6	9	13	14	0	192
(1)	.27	.27	.41	.57	.41	.22	.24	.33	.22	.30	.35	.49	.16	.24	.35	.38	.00	5.20
(2)	.27	.27	.41	.57	.41	.22	.24	.33	.22	.30	.35	.49	.16	.24	.35	.38	.00	5.20
2.1- 3.0	22	33	34	12	40	46	37	41	54	53	40	49	56	32	22	32	0	603
(1)	.60	.89	.92	.33	1.08	1.25	1.00	1.11	1.46	1.44	1.08	1.33	1.52	.87	.60	.87	.00	16.35
(2)	.60	.89	.92	.33	1.08	1.25	1.00	1.11	1.46	1.44	1.08	1.33	1.52	.87	.60	.87	.00	16.35
3.1- 4.0	27	31	13	9	16	43	72	72	78	70	45	79	55	23	16	20	0	669
(1)	.73	.84	.35	.24	.43	1.17	1.95	1.95	2.11	1.90	1.22	2.14	1.49	.62	.43	.54	.00	18.13
(2)	.73	.84	.35	.24	.43	1.17	1.95	1.95	2.11	1.90	1.22	2.14	1.49	.62	.43	.54	.00	18.13
4.1- 5.0	18	21	15	0	2	32	110	113	133	91	52	142	57	22	17	18	0	843
(1)	.49	.57	.41	.00	.05	.87	2.98	3.06	3.61	2.47	1.41	3.85	1.55	.60	.46	.49	.00	22.85
(2)	.49	.57	.41	.00	.05	.87	2.98	3.06	3.61	2.47	1.41	3.85	1.55	.60	.46	.49	.00	22.85
5.1- 6.0	20	26	4	0	0	11	44	70	94	34	33	163	42	11	6	10	0	568
(1)	.54	.70	.11	.00	.00	.30	1.19	1.90	2.55	.92	.89	4.42	1.14	.30	.16	.27	.00	15.40
(2)	.54	.70	.11	.00	.00	.30	1.19	1.90	2.55	.92	.89	4.42	1.14	.30	.16	.27	.00	15.40
6.1- 8.0	26	33	3	0	0	0	9	7	6	1	14	195	91	35	23	10	0	453
(1)	.70	.89	.08	.00	.00	.00	.24	.19	.16	.03	.38	5.29	2.47	.95	.62	.27	.00	12.28
(2)	.70	.89	.08	.00	.00	.00	.24	.19	.16	.03	.38	5.29	2.47	.95	.62	.27	.00	12.28
8.1-10.0	18	4	0	0	0	0	3	0	0	0	0	29	65	23	15	5	0	162
(1)	.49	.11	.00	.00	.00	.00	.08	.00	.00	.00	.00	.79	1.76	.62	.41	.14	.00	4.39
(2)	.49	.11	.00	.00	.00	.00	.08	.00	.00	.00	.00	.79	1.76	.62	.41	.14	.00	4.39
10.1-40.3	4	0	0	0	0	0	0	0	0	0	0	6	21	6	1	0	0	38
(1)	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.57	.16	.03	.00	.00	1.03
(2)	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.57	.16	.03	.00	.00	1.03
ALL SPEEDS	156	162	106	63	85	150	292	321	379	271	211	687	401	167	118	120	0	3689
(1)	4.23	4.39	2.87	1.71	2.30	4.07	7.92	8.70	10.27	7.35	5.72	18.62	10.87	4.53	3.20	3.25	.00	100.00
(2)	4.23	4.39	2.87	1.71	2.30	4.07	7.92	8.70	10.27	7.35	5.72	18.62	10.87	4.53	3.20	3.25	.00	100.00

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Table 2.3-58—{NMPNS 100 ft (30-m) 2001-2005 August JFD}

(Page 1 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 12.04

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	8	0	11
(1)	.22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.22	.00	1.79	.00	2.46
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.22	.00	.30
2.1- 3.0	16	8	6	1	1	0	5	0	0	0	0	2	2	13	18	34	0	106
(1)	3.57	1.79	1.34	.22	.22	.00	1.12	.00	.00	.00	.00	.45	.45	2.90	4.02	7.59	.00	23.66
(2)	.43	.22	.16	.03	.03	.00	.13	.00	.00	.00	.00	.05	.05	.35	.48	.91	.00	2.85
3.1- 4.0	17	7	1	0	0	0	0	0	3	1	3	11	9	29	20	20	0	121
(1)	3.79	1.56	.22	.00	.00	.00	.00	.00	.67	.22	.67	2.46	2.01	6.47	4.46	4.46	.00	27.01
(2)	.46	.19	.03	.00	.00	.00	.00	.00	.08	.03	.08	.30	.24	.78	.54	.54	.00	3.25
4.1- 5.0	7	5	0	0	0	1	0	0	1	3	0	17	7	17	15	12	0	85
(1)	1.56	1.12	.00	.00	.00	.22	.00	.00	.22	.67	.00	3.79	1.56	3.79	3.35	2.68	.00	18.97
(2)	.19	.13	.00	.00	.00	.03	.00	.00	.03	.08	.00	.46	.19	.46	.40	.32	.00	2.28
5.1- 6.0	2	3	2	0	0	0	0	2	2	0	0	23	4	10	12	5	0	65
(1)	.45	.67	.45	.00	.00	.00	.00	.45	.45	.00	.00	5.13	.89	2.23	2.68	1.12	.00	14.51
(2)	.05	.08	.05	.00	.00	.00	.00	.05	.05	.00	.00	.62	.11	.27	.32	.13	.00	1.75
6.1- 8.0	6	4	0	0	0	0	0	0	1	0	0	13	3	9	2	11	0	49
(1)	1.34	.89	.00	.00	.00	.00	.00	.00	.22	.00	.00	2.90	.67	2.01	.45	2.46	.00	10.94
(2)	.16	.11	.00	.00	.00	.00	.00	.00	.03	.00	.00	.35	.08	.24	.05	.30	.00	1.32
8.1-10.0	3	1	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	8
(1)	.67	.22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.45	.00	.45	.00	1.79
(2)	.08	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.00	.22
10.1-40.3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3
(1)	.45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.00	.67
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.08
ALL SPEEDS	54	28	9	1	1	1	5	2	7	4	3	66	26	81	67	93	0	448
(1)	12.05	6.25	2.01	.22	.22	.22	1.12	.45	1.56	.89	.67	14.73	5.80	18.08	14.96	20.76	.00	100.00
(2)	1.45	.75	.24	.03	.03	.03	.13	.05	.19	.11	.08	1.77	.70	2.18	1.80	2.50	.00	12.04

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Table 2.3-58—{NMPNS 100 ft (30-m) 2001-2005 August JFD}

(Page 2 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.84

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.56	.00	.00	.00	.00	.56
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
1.6- 2.0	0	1	3	0	0	0	0	1	0	1	0	0	1	1	0	4	0	12
(1)	.00	.56	1.67	.00	.00	.00	.00	.56	.00	.56	.00	.00	.56	.56	.00	2.22	.00	6.67
(2)	.00	.03	.08	.00	.00	.00	.00	.03	.00	.03	.00	.00	.03	.03	.00	.11	.00	.32
2.1- 3.0	3	2	1	1	1	1	2	4	3	2	3	3	4	7	3	1	0	41
(1)	1.67	1.11	.56	.56	.56	.56	1.11	2.22	1.67	1.11	1.67	1.67	2.22	3.89	1.67	.56	.00	22.78
(2)	.08	.05	.03	.03	.03	.03	.05	.11	.08	.05	.08	.08	.11	.19	.08	.03	.00	1.10
3.1- 4.0	3	1	1	0	1	0	2	1	0	4	0	5	8	1	1	0	0	28
(1)	1.67	.56	.56	.00	.56	.00	1.11	.56	.00	2.22	.00	2.78	4.44	.56	.56	.00	.00	15.56
(2)	.08	.03	.03	.00	.03	.00	.05	.03	.00	.11	.00	.13	.22	.03	.03	.00	.00	.75
4.1- 5.0	4	1	1	0	0	1	0	1	0	2	0	7	15	4	4	1	0	41
(1)	2.22	.56	.56	.00	.00	.56	.00	.56	.00	1.11	.00	3.89	8.33	2.22	2.22	.56	.00	22.78
(2)	.11	.03	.03	.00	.00	.03	.00	.03	.00	.05	.00	.19	.40	.11	.11	.03	.00	1.10
5.1- 6.0	2	0	0	0	0	0	1	7	3	0	0	3	2	1	0	1	0	20
(1)	1.11	.00	.00	.00	.00	.00	.56	3.89	1.67	.00	.00	1.67	1.11	.56	.00	.56	.00	11.11
(2)	.05	.00	.00	.00	.00	.00	.03	.19	.08	.00	.00	.08	.05	.03	.00	.03	.00	.54
6.1- 8.0	2	0	0	0	0	0	0	2	0	0	0	8	8	2	1	0	0	23
(1)	1.11	.00	.00	.00	.00	.00	.00	1.11	.00	.00	.00	4.44	4.44	1.11	.56	.00	.00	12.78
(2)	.05	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.22	.22	.05	.03	.00	.00	.62
8.1-10.0	2	1	0	0	0	0	0	0	0	0	0	2	5	1	0	0	0	11
(1)	1.11	.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.11	2.78	.56	.00	.00	.00	6.11
(2)	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.13	.03	.00	.00	.00	.30
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.11	.00	.00	.56	.00	1.67
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.03	.00	.08
ALL SPEEDS	16	6	6	1	2	2	5	16	6	9	3	28	46	17	9	8	0	180
(1)	8.89	3.33	3.33	.56	1.11	1.11	2.78	8.89	3.33	5.00	1.67	15.56	25.56	9.44	5.00	4.44	.00	100.00
(2)	.43	.16	.16	.03	.05	.05	.13	.43	.16	.24	.08	.75	1.24	.46	.24	.22	.00	4.84

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Table 2.3-58—{NMPNS 100 ft (30-m) 2001-2005 August JFD}

(Page 3 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.89

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	1	0	0	0	0	0	0	2	2	0	0	0	5
(1)	.00	.00	.00	.00	.00	.46	.00	.00	.00	.00	.00	.00	.91	.91	.00	.00	.00	2.28
(2)	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.05	.05	.00	.00	.00	.13
1.6- 2.0	2	2	0	1	1	2	0	0	1	0	0	1	2	2	1	1	0	16
(1)	.91	.91	.00	.46	.46	.91	.00	.00	.46	.00	.00	.46	.91	.91	.46	.46	.00	7.31
(2)	.05	.05	.00	.03	.03	.05	.00	.00	.03	.00	.00	.03	.05	.05	.03	.03	.00	.43
2.1- 3.0	3	2	3	0	2	2	0	1	3	3	3	3	3	5	2	0	0	35
(1)	1.37	.91	1.37	.00	.91	.91	.00	.46	1.37	1.37	1.37	1.37	1.37	2.28	.91	.00	.00	15.98
(2)	.08	.05	.08	.00	.05	.05	.00	.03	.08	.08	.08	.08	.08	.13	.05	.00	.00	.94
3.1- 4.0	0	6	2	0	0	1	1	1	2	4	2	4	8	3	4	1	0	39
(1)	.00	2.74	.91	.00	.00	.46	.46	.46	.91	1.83	.91	1.83	3.65	1.37	1.83	.46	.00	17.81
(2)	.00	.16	.05	.00	.00	.03	.03	.03	.05	.11	.05	.11	.22	.08	.11	.03	.00	1.05
4.1- 5.0	4	3	0	0	0	0	2	2	4	4	1	4	13	2	2	1	0	42
(1)	1.83	1.37	.00	.00	.00	.00	.91	.91	1.83	1.83	.46	1.83	5.94	.91	.91	.46	.00	19.18
(2)	.11	.08	.00	.00	.00	.00	.05	.05	.11	.11	.03	.11	.35	.05	.05	.03	.00	1.13
5.1- 6.0	1	0	1	0	0	0	0	1	1	2	0	10	8	2	1	1	0	28
(1)	.46	.00	.46	.00	.00	.00	.00	.46	.46	.91	.00	4.57	3.65	.91	.46	.46	.00	12.79
(2)	.03	.00	.03	.00	.00	.00	.00	.03	.03	.05	.00	.27	.22	.05	.03	.03	.00	.75
6.1- 8.0	1	1	0	0	0	1	0	1	1	0	0	5	3	4	3	0	0	20
(1)	.46	.46	.00	.00	.00	.46	.00	.46	.46	.00	.00	2.28	1.37	1.83	1.37	.00	.00	9.13
(2)	.03	.03	.00	.00	.00	.03	.00	.03	.03	.00	.00	.13	.08	.11	.08	.00	.00	.54
8.1-10.0	1	1	0	0	0	0	0	0	0	0	0	0	16	7	0	0	0	25
(1)	.46	.46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.31	3.20	.00	.00	.00	11.42
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.43	.19	.00	.00	.00	.67
10.1-40.3	4	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	9
(1)	1.83	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.37	.91	.00	.00	.00	4.11
(2)	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.05	.00	.00	.00	.24
ALL SPEEDS	16	15	6	1	3	7	3	6	12	13	6	27	58	29	13	4	0	219
(1)	7.31	6.85	2.74	.46	1.37	3.20	1.37	2.74	5.48	5.94	2.74	12.33	26.48	13.24	5.94	1.83	.00	100.00
(2)	.43	.40	.16	.03	.08	.19	.08	.16	.32	.35	.16	.73	1.56	.78	.35	.11	.00	5.89

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Table 2.3-58—{NMPNS 100 ft (30-m) 2001-2005 August JFD}

(Page 4 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 31.69

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	3	0	1	0	1	0	0	1	0	0	1	1	1	2	0	12
(1)	.08	.00	.25	.00	.08	.00	.08	.00	.00	.08	.00	.00	.08	.08	.08	.17	.00	1.02
(2)	.03	.00	.08	.00	.03	.00	.03	.00	.00	.03	.00	.00	.03	.03	.03	.05	.00	.32
1.1- 1.5	1	2	7	5	2	3	0	3	1	6	2	4	8	5	4	1	0	54
(1)	.08	.17	.59	.42	.17	.25	.00	.25	.08	.51	.17	.34	.68	.42	.34	.08	.00	4.58
(2)	.03	.05	.19	.13	.05	.08	.00	.08	.03	.16	.05	.11	.22	.13	.11	.03	.00	1.45
1.6- 2.0	11	7	12	6	5	4	5	3	2	4	0	5	5	6	6	3	0	84
(1)	.93	.59	1.02	.51	.42	.34	.42	.25	.17	.34	.00	.42	.42	.51	.51	.25	.00	7.12
(2)	.30	.19	.32	.16	.13	.11	.13	.08	.05	.11	.00	.13	.13	.16	.16	.08	.00	2.26
2.1- 3.0	7	13	12	6	5	11	9	17	10	7	2	12	24	13	4	1	0	153
(1)	.59	1.10	1.02	.51	.42	.93	.76	1.44	.85	.59	.17	1.02	2.04	1.10	.34	.08	.00	12.98
(2)	.19	.35	.32	.16	.13	.30	.24	.46	.27	.19	.05	.32	.65	.35	.11	.03	.00	4.11
3.1- 4.0	7	16	20	3	3	1	10	18	19	9	6	19	25	6	9	6	0	177
(1)	.59	1.36	1.70	.25	.25	.08	.85	1.53	1.61	.76	.51	1.61	2.12	.51	.76	.51	.00	15.01
(2)	.19	.43	.54	.08	.08	.03	.27	.48	.51	.24	.16	.51	.67	.16	.24	.16	.00	4.76
4.1- 5.0	11	9	24	1	1	5	14	17	22	13	6	27	35	16	7	6	0	214
(1)	.93	.76	2.04	.08	.08	.42	1.19	1.44	1.87	1.10	.51	2.29	2.97	1.36	.59	.51	.00	18.15
(2)	.30	.24	.65	.03	.03	.13	.38	.46	.59	.35	.16	.73	.94	.43	.19	.16	.00	5.75
5.1- 6.0	12	8	12	0	0	6	6	14	21	2	7	31	23	14	8	4	0	168
(1)	1.02	.68	1.02	.00	.00	.51	.51	1.19	1.78	.17	.59	2.63	1.95	1.19	.68	.34	.00	14.25
(2)	.32	.22	.32	.00	.00	.16	.16	.38	.56	.05	.19	.83	.62	.38	.22	.11	.00	4.52
6.1- 8.0	14	13	12	1	0	1	3	10	6	0	0	20	49	30	13	7	0	179
(1)	1.19	1.10	1.02	.08	.00	.08	.25	.85	.51	.00	.00	1.70	4.16	2.54	1.10	.59	.00	15.18
(2)	.38	.35	.32	.03	.00	.03	.08	.27	.16	.00	.00	.54	1.32	.81	.35	.19	.00	4.81
8.1-10.0	15	0	0	0	0	0	0	0	0	0	0	5	39	21	13	2	0	95
(1)	1.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	3.31	1.78	1.10	.17	.00	8.06
(2)	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13	1.05	.56	.35	.05	.00	2.55
10.1-40.3	6	3	0	0	0	0	0	0	0	0	0	0	17	10	2	5	0	43
(1)	.51	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.44	.85	.17	.42	.00	3.65
(2)	.16	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.46	.27	.05	.13	.00	1.16
ALL SPEEDS	85	71	102	22	17	31	48	82	81	42	23	123	226	122	67	37	0	1179
(1)	7.21	6.02	8.65	1.87	1.44	2.63	4.07	6.96	6.87	3.56	1.95	10.43	19.17	10.35	5.68	3.14	.00	100.00
(2)	2.28	1.91	2.74	.59	.46	.83	1.29	2.20	2.18	1.13	.62	3.31	6.08	3.28	1.80	.99	.00	31.69

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Table 2.3-58—{NMPNS 100 ft (30-m) 2001-2005 August JFD}

(Page 5 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 24.09

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	2	0	1	1	0	1	1	0	0	3	1	3	0	0	1	0	0	14
(1)	.22	.00	.11	.11	.00	.11	.11	.00	.00	.33	.11	.33	.00	.00	.11	.00	.00	1.56
(2)	.05	.00	.03	.03	.00	.03	.03	.00	.00	.08	.03	.08	.00	.00	.03	.00	.00	.38
1.1- 1.5	2	2	9	4	3	4	2	3	3	3	2	4	3	1	1	1	0	47
(1)	.22	.22	1.00	.45	.33	.45	.22	.33	.33	.33	.22	.45	.33	.11	.11	.11	.00	5.25
(2)	.05	.05	.24	.11	.08	.11	.05	.08	.08	.08	.05	.11	.08	.03	.03	.03	.00	1.26
1.6- 2.0	1	0	8	10	5	5	6	2	3	5	4	4	5	5	2	2	0	67
(1)	.11	.00	.89	1.12	.56	.56	.67	.22	.33	.56	.45	.45	.56	.56	.22	.22	.00	7.48
(2)	.03	.00	.22	.27	.13	.13	.16	.05	.08	.13	.11	.11	.13	.13	.05	.05	.00	1.80
2.1- 3.0	4	8	18	13	20	12	17	17	12	7	10	13	8	8	0	5	0	172
(1)	.45	.89	2.01	1.45	2.23	1.34	1.90	1.90	1.34	.78	1.12	1.45	.89	.89	.00	.56	.00	19.20
(2)	.11	.22	.48	.35	.54	.32	.46	.46	.32	.19	.27	.35	.22	.22	.00	.13	.00	4.62
3.1- 4.0	3	9	4	1	8	8	19	20	18	19	12	22	6	5	4	3	0	161
(1)	.33	1.00	.45	.11	.89	.89	2.12	2.23	2.01	2.12	1.34	2.46	.67	.56	.45	.33	.00	17.97
(2)	.08	.24	.11	.03	.22	.22	.51	.54	.48	.51	.32	.59	.16	.13	.11	.08	.00	4.33
4.1- 5.0	4	1	3	0	2	5	25	39	49	27	8	17	3	0	2	1	0	186
(1)	.45	.11	.33	.00	.22	.56	2.79	4.35	5.47	3.01	.89	1.90	.33	.00	.22	.11	.00	20.76
(2)	.11	.03	.08	.00	.05	.13	.67	1.05	1.32	.73	.22	.46	.08	.00	.05	.03	.00	5.00
5.1- 6.0	0	1	1	0	0	3	31	37	53	6	14	28	9	2	0	0	0	185
(1)	.00	.11	.11	.00	.00	.33	3.46	4.13	5.92	.67	1.56	3.13	1.00	.22	.00	.00	.00	20.65
(2)	.00	.03	.03	.00	.00	.08	.83	.99	1.42	.16	.38	.75	.24	.05	.00	.00	.00	4.97
6.1- 8.0	3	1	1	0	0	0	7	5	9	1	2	14	2	5	1	2	0	53
(1)	.33	.11	.11	.00	.00	.00	.78	.56	1.00	.11	.22	1.56	.22	.56	.11	.22	.00	5.92
(2)	.08	.03	.03	.00	.00	.00	.19	.13	.24	.03	.05	.38	.05	.13	.03	.05	.00	1.42
8.1-10.0	0	1	0	0	0	0	0	0	0	0	0	4	1	1	1	0	0	8
(1)	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.45	.11	.11	.11	.00	.00	.89
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.03	.03	.03	.00	.00	.22
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.22	.00	.00	.00	.00	.33
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.05	.00	.00	.00	.00	.08
ALL SPEEDS	19	23	45	29	38	38	108	123	147	71	53	110	39	27	12	14	0	896
(1)	2.12	2.57	5.02	3.24	4.24	4.24	12.05	13.73	16.41	7.92	5.92	12.28	4.35	3.01	1.34	1.56	.00	100.00
(2)	.51	.62	1.21	.78	1.02	1.02	2.90	3.31	3.95	1.91	1.42	2.96	1.05	.73	.32	.38	.00	24.09

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Table 2.3-58—{NMPNS 100 ft (30-m) 2001-2005 August JFD}

(Page 6 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 9.57

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.28	.00	.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.84
(2)	.00	.00	.00	.00	.03	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
.5- 1.0	0	1	1	1	0	2	0	1	2	1	1	0	2	1	2	0	0	15
(1)	.00	.28	.28	.28	.00	.56	.00	.28	.56	.28	.28	.00	.56	.28	.56	.00	.00	4.21
(2)	.00	.03	.03	.03	.00	.05	.00	.03	.05	.03	.03	.00	.05	.03	.05	.00	.00	.40
1.1- 1.5	1	0	2	6	1	1	3	0	5	6	3	1	0	0	0	0	0	29
(1)	.28	.00	.56	1.69	.28	.28	.84	.00	1.40	1.69	.84	.28	.00	.00	.00	.00	.00	8.15
(2)	.03	.00	.05	.16	.03	.03	.08	.00	.13	.16	.08	.03	.00	.00	.00	.00	.00	.78
1.6- 2.0	1	0	0	1	5	2	5	4	5	2	0	0	2	2	0	1	0	30
(1)	.28	.00	.00	.28	1.40	.56	1.40	1.12	1.40	.56	.00	.00	.56	.56	.00	.28	.00	8.43
(2)	.03	.00	.00	.03	.13	.05	.13	.11	.13	.05	.00	.00	.05	.05	.00	.03	.00	.81
2.1- 3.0	0	1	1	2	12	9	12	14	9	9	9	5	1	1	0	0	0	85
(1)	.00	.28	.28	.56	3.37	2.53	3.37	3.93	2.53	2.53	2.53	1.40	.28	.28	.00	.00	.00	23.88
(2)	.00	.03	.03	.05	.32	.24	.32	.38	.24	.24	.24	.13	.03	.03	.00	.00	.00	2.28
3.1- 4.0	1	0	0	0	4	9	7	17	17	13	10	6	5	2	1	0	0	92
(1)	.28	.00	.00	.00	1.12	2.53	1.97	4.78	4.78	3.65	2.81	1.69	1.40	.56	.28	.00	.00	25.84
(2)	.03	.00	.00	.00	.11	.24	.19	.46	.46	.35	.27	.16	.13	.05	.03	.00	.00	2.47
4.1- 5.0	0	0	0	0	0	0	4	21	20	16	5	5	2	1	0	0	0	74
(1)	.00	.00	.00	.00	.00	.00	1.12	5.90	5.62	4.49	1.40	1.40	.56	.28	.00	.00	.00	20.79
(2)	.00	.00	.00	.00	.00	.00	.11	.56	.54	.43	.13	.13	.05	.03	.00	.00	.00	1.99
5.1- 6.0	0	0	0	0	0	0	4	7	14	1	0	1	0	0	0	0	0	27
(1)	.00	.00	.00	.00	.00	.00	1.12	1.97	3.93	.28	.00	.28	.00	.00	.00	.00	.00	7.58
(2)	.00	.00	.00	.00	.00	.00	.11	.19	.38	.03	.00	.03	.00	.00	.00	.00	.00	.73
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.28
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	3	2	4	10	23	23	37	64	72	48	28	19	12	7	3	1	0	356
(1)	.84	.56	1.12	2.81	6.46	6.46	10.39	17.98	20.22	13.48	7.87	5.34	3.37	1.97	.84	.28	.00	100.00
(2)	.08	.05	.11	.27	.62	.62	.99	1.72	1.94	1.29	.75	.51	.32	.19	.08	.03	.00	9.57

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Table 2.3-58—{NMPNS 100 ft (30-m) 2001-2005 August JFD}

(Page 7 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 11.88

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	2	0	0	5	1	0	0	1	1	3	2	1	0	0	2	0	18
(1)	.00	.45	.00	.00	1.13	.23	.00	.00	.23	.23	.68	.45	.23	.00	.00	.45	.00	4.07
(2)	.00	.05	.00	.00	.13	.03	.00	.00	.03	.03	.08	.05	.03	.00	.00	.05	.00	.48
1.1- 1.5	0	0	1	4	6	3	1	1	4	5	4	1	1	1	1	2	0	35
(1)	.00	.00	.23	.90	1.36	.68	.23	.23	.90	1.13	.90	.23	.23	.23	.23	.45	.00	7.92
(2)	.00	.00	.03	.11	.16	.08	.03	.03	.11	.13	.11	.03	.03	.03	.03	.05	.00	.94
1.6- 2.0	0	1	0	4	5	7	4	5	6	8	2	0	2	5	0	1	0	50
(1)	.00	.23	.00	.90	1.13	1.58	.90	1.13	1.36	1.81	.45	.00	.45	1.13	.00	.23	.00	11.31
(2)	.00	.03	.00	.11	.13	.19	.11	.13	.16	.22	.05	.00	.05	.13	.00	.03	.00	1.34
2.1- 3.0	0	0	0	0	6	10	8	15	12	19	10	4	4	0	1	0	0	89
(1)	.00	.00	.00	.00	1.36	2.26	1.81	3.39	2.71	4.30	2.26	.90	.90	.00	.23	.00	.00	20.14
(2)	.00	.00	.00	.00	.16	.27	.22	.40	.32	.51	.27	.11	.11	.00	.03	.00	.00	2.39
3.1- 4.0	0	0	0	0	0	10	13	17	27	12	5	0	1	0	0	0	0	85
(1)	.00	.00	.00	.00	.00	2.26	2.94	3.85	6.11	2.71	1.13	.00	.23	.00	.00	.00	.00	19.23
(2)	.00	.00	.00	.00	.00	.27	.35	.46	.73	.32	.13	.00	.03	.00	.00	.00	.00	2.28
4.1- 5.0	0	0	0	0	0	2	15	46	41	30	2	1	0	1	0	0	0	138
(1)	.00	.00	.00	.00	.00	.45	3.39	10.41	9.28	6.79	.45	.23	.00	.23	.00	.00	.00	31.22
(2)	.00	.00	.00	.00	.00	.05	.40	1.24	1.10	.81	.05	.03	.00	.03	.00	.00	.00	3.71
5.1- 6.0	0	0	0	0	0	0	1	8	13	5	0	0	0	0	0	0	0	27
(1)	.00	.00	.00	.00	.00	.00	.23	1.81	2.94	1.13	.00	.00	.00	.00	.00	.00	.00	6.11
(2)	.00	.00	.00	.00	.00	.00	.03	.22	.35	.13	.00	.00	.00	.00	.00	.00	.00	.73
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	3	1	8	22	33	42	92	104	80	26	8	9	7	2	5	0	442
(1)	.00	.68	.23	1.81	4.98	7.47	9.50	20.81	23.53	18.10	5.88	1.81	2.04	1.58	.45	1.13	.00	100.00
(2)	.00	.08	.03	.22	.59	.89	1.13	2.47	2.80	2.15	.70	.22	.24	.19	.05	.13	.00	11.88

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Table 2.3-58—{NMPNS 100 ft (30-m) 2001-2005 August JFD}

(Page 8 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.03	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
(2)	.00	.00	.00	.00	.03	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
.5- 1.0	3	3	5	2	6	4	2	1	3	6	5	5	4	2	4	4	0	59
(1)	.08	.08	.13	.05	.16	.11	.05	.03	.08	.16	.13	.13	.11	.05	.11	.11	.00	1.59
(2)	.08	.08	.13	.05	.16	.11	.05	.03	.08	.16	.13	.13	.11	.05	.11	.11	.00	1.59
1.1- 1.5	4	4	19	19	12	12	6	7	13	20	11	10	15	9	6	4	0	171
(1)	.11	.11	.51	.51	.32	.32	.16	.19	.35	.54	.30	.27	.40	.24	.16	.11	.00	4.60
(2)	.11	.11	.51	.51	.32	.32	.16	.19	.35	.54	.30	.27	.40	.24	.16	.11	.00	4.60
1.6- 2.0	16	11	23	22	21	20	20	15	17	20	6	10	18	22	9	20	0	270
(1)	.43	.30	.62	.59	.56	.54	.54	.40	.46	.54	.16	.27	.48	.59	.24	.54	.00	7.26
(2)	.43	.30	.62	.59	.56	.54	.54	.40	.46	.54	.16	.27	.48	.59	.24	.54	.00	7.26
2.1- 3.0	33	34	41	23	47	45	53	68	49	47	37	42	46	47	28	41	0	681
(1)	.89	.91	1.10	.62	1.26	1.21	1.42	1.83	1.32	1.26	.99	1.13	1.24	1.26	.75	1.10	.00	18.31
(2)	.89	.91	1.10	.62	1.26	1.21	1.42	1.83	1.32	1.26	.99	1.13	1.24	1.26	.75	1.10	.00	18.31
3.1- 4.0	31	39	28	4	16	29	52	74	86	62	38	67	62	46	39	30	0	703
(1)	.83	1.05	.75	.11	.43	.78	1.40	1.99	2.31	1.67	1.02	1.80	1.67	1.24	1.05	.81	.00	18.90
(2)	.83	1.05	.75	.11	.43	.78	1.40	1.99	2.31	1.67	1.02	1.80	1.67	1.24	1.05	.81	.00	18.90
4.1- 5.0	30	19	28	1	3	14	60	126	137	95	22	78	75	41	30	21	0	780
(1)	.81	.51	.75	.03	.08	.38	1.61	3.39	3.68	2.55	.59	2.10	2.02	1.10	.81	.56	.00	20.97
(2)	.81	.51	.75	.03	.08	.38	1.61	3.39	3.68	2.55	.59	2.10	2.02	1.10	.81	.56	.00	20.97
5.1- 6.0	17	12	16	0	0	9	43	76	107	16	21	96	46	29	21	11	0	520
(1)	.46	.32	.43	.00	.00	.24	1.16	2.04	2.88	.43	.56	2.58	1.24	.78	.56	.30	.00	13.98
(2)	.46	.32	.43	.00	.00	.24	1.16	2.04	2.88	.43	.56	2.58	1.24	.78	.56	.30	.00	13.98
6.1- 8.0	26	19	13	1	0	2	10	18	17	1	2	61	65	50	20	20	0	325
(1)	.70	.51	.35	.03	.00	.05	.27	.48	.46	.03	.05	1.64	1.75	1.34	.54	.54	.00	8.74
(2)	.70	.51	.35	.03	.00	.05	.27	.48	.46	.03	.05	1.64	1.75	1.34	.54	.54	.00	8.74
8.1-10.0	21	4	0	0	0	0	0	0	0	0	0	11	61	32	14	4	0	147
(1)	.56	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	1.64	.86	.38	.11	.00	3.95
(2)	.56	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	1.64	.86	.38	.11	.00	3.95
10.1-40.3	12	3	0	0	0	0	0	0	0	0	0	1	24	12	2	7	0	61
(1)	.32	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.65	.32	.05	.19	.00	1.64
(2)	.32	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.65	.32	.05	.19	.00	1.64
ALL SPEEDS	193	148	173	72	106	135	248	385	429	267	142	381	416	290	173	162	0	3720
(1)	5.19	3.98	4.65	1.94	2.85	3.63	6.67	10.35	11.53	7.18	3.82	10.24	11.18	7.80	4.65	4.35	.00	100.00
(2)	5.19	3.98	4.65	1.94	2.85	3.63	6.67	10.35	11.53	7.18	3.82	10.24	11.18	7.80	4.65	4.35	.00	100.00

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Table 2.3-59—{NMPNS 100 ft (30-m) 2001-2005 September JFD}

(Page 1 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 10.80

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.00	.00	.00	.00	.26
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	.00	.00	.52
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.06
1.6- 2.0	1	0	0	0	0	0	0	0	0	0	0	0	0	4	4	5	0	14
(1)	.26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.03	1.03	1.29	.00	3.62
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.11	.14	.00	.39
2.1- 3.0	14	3	2	1	0	1	4	1	1	1	0	0	5	7	13	21	0	74
(1)	3.62	.78	.52	.26	.00	.26	1.03	.26	.26	.26	.00	.00	1.29	1.81	3.36	5.43	.00	19.12
(2)	.39	.08	.06	.03	.00	.03	.11	.03	.03	.03	.00	.00	.14	.20	.36	.59	.00	2.07
3.1- 4.0	10	12	1	0	0	3	5	4	2	1	0	1	2	3	14	9	0	67
(1)	2.58	3.10	.26	.00	.00	.78	1.29	1.03	.52	.26	.00	.26	.52	.78	3.62	2.33	.00	17.31
(2)	.28	.33	.03	.00	.00	.08	.14	.11	.06	.03	.00	.03	.06	.08	.39	.25	.00	1.87
4.1- 5.0	14	5	1	0	0	4	7	8	1	0	0	12	0	6	3	10	0	71
(1)	3.62	1.29	.26	.00	.00	1.03	1.81	2.07	.26	.00	.00	3.10	.00	1.55	.78	2.58	.00	18.35
(2)	.39	.14	.03	.00	.00	.11	.20	.22	.03	.00	.00	.33	.00	.17	.08	.28	.00	1.98
5.1- 6.0	14	8	1	0	0	2	2	4	2	0	0	14	3	2	5	9	0	66
(1)	3.62	2.07	.26	.00	.00	.52	.52	1.03	.52	.00	.00	3.62	.78	.52	1.29	2.33	.00	17.05
(2)	.39	.22	.03	.00	.00	.06	.06	.11	.06	.00	.00	.39	.08	.06	.14	.25	.00	1.84
6.1- 8.0	14	11	2	0	0	0	2	0	1	0	0	17	0	1	1	2	0	51
(1)	3.62	2.84	.52	.00	.00	.00	.52	.00	.26	.00	.00	4.39	.00	.26	.26	.52	.00	13.18
(2)	.39	.31	.06	.00	.00	.00	.06	.00	.03	.00	.00	.47	.00	.03	.03	.06	.00	1.42
8.1-10.0	3	2	1	0	0	0	0	0	0	0	1	3	0	0	0	4	0	14
(1)	.78	.52	.26	.00	.00	.00	.00	.00	.00	.00	.26	.78	.00	.00	.00	1.03	.00	3.62
(2)	.08	.06	.03	.00	.00	.00	.00	.00	.00	.00	.03	.08	.00	.00	.00	.11	.00	.39
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	0	4	9	1	12	0	27
(1)	.26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.03	2.33	.26	3.10	.00	6.98
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.25	.03	.33	.00	.75
ALL SPEEDS	71	41	8	1	0	10	20	17	7	2	1	47	15	32	43	72	0	387
(1)	18.35	10.59	2.07	.26	.00	2.58	5.17	4.39	1.81	.52	.26	12.14	3.88	8.27	11.11	18.60	.00	100.00
(2)	1.98	1.14	.22	.03	.00	.28	.56	.47	.20	.06	.03	1.31	.42	.89	1.20	2.01	.00	10.80

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Table 2.3-59—{NMPNS 100 ft (30-m) 2001-2005 September JFD}

(Page 2 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.11

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.55	.00	.00	.00	.55
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.55	.00	.55
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03
1.6- 2.0	1	0	0	0	0	0	0	0	2	1	0	0	1	0	1	2	0	8
(1)	.55	.00	.00	.00	.00	.00	.00	.00	1.09	.55	.00	.00	.55	.00	.55	1.09	.00	4.37
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.06	.03	.00	.00	.03	.00	.03	.06	.00	.22
2.1- 3.0	4	4	1	0	0	2	2	3	1	2	1	1	4	5	3	0	0	33
(1)	2.19	2.19	.55	.00	.00	1.09	1.09	1.64	.55	1.09	.55	.55	2.19	2.73	1.64	.00	.00	18.03
(2)	.11	.11	.03	.00	.00	.06	.06	.08	.03	.06	.03	.03	.11	.14	.08	.00	.00	.92
3.1- 4.0	3	1	0	0	0	2	5	5	4	0	0	2	5	3	0	2	0	32
(1)	1.64	.55	.00	.00	.00	1.09	2.73	2.73	2.19	.00	.00	1.09	2.73	1.64	.00	1.09	.00	17.49
(2)	.08	.03	.00	.00	.00	.06	.14	.14	.11	.00	.00	.06	.14	.08	.00	.06	.00	.89
4.1- 5.0	3	1	0	0	1	4	5	9	5	1	1	5	12	2	1	1	0	51
(1)	1.64	.55	.00	.00	.55	2.19	2.73	4.92	2.73	.55	.55	2.73	6.56	1.09	.55	.55	.00	27.87
(2)	.08	.03	.00	.00	.03	.11	.14	.25	.14	.03	.03	.14	.33	.06	.03	.03	.00	1.42
5.1- 6.0	2	0	0	0	0	0	1	3	2	0	0	4	7	1	1	1	0	22
(1)	1.09	.00	.00	.00	.00	.00	.55	1.64	1.09	.00	.00	2.19	3.83	.55	.55	.55	.00	12.02
(2)	.06	.00	.00	.00	.00	.00	.03	.08	.06	.00	.00	.11	.20	.03	.03	.03	.00	.61
6.1- 8.0	2	1	0	0	0	0	0	1	0	0	0	6	1	1	0	0	0	12
(1)	1.09	.55	.00	.00	.00	.00	.00	.55	.00	.00	.00	3.28	.55	.55	.00	.00	.00	6.56
(2)	.06	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.17	.03	.03	.00	.00	.00	.33
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	1	3	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.64	1.09	.55	.55	1.64	.00	5.46
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.06	.03	.03	.08	.00	.28
10.1-40.3	2	0	0	0	0	0	0	0	0	0	0	0	1	5	3	2	0	13
(1)	1.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.55	2.73	1.64	1.09	.00	7.10
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.14	.08	.06	.00	.36
ALL SPEEDS	17	7	1	0	1	8	13	21	14	4	2	21	33	19	10	12	0	183
(1)	9.29	3.83	.55	.00	.55	4.37	7.10	11.48	7.65	2.19	1.09	11.48	18.03	10.38	5.46	6.56	.00	100.00
(2)	.47	.20	.03	.00	.03	.22	.36	.59	.39	.11	.06	.59	.92	.53	.28	.33	.00	5.11

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Table 2.3-59—{NMPNS 100 ft (30-m) 2001-2005 September JFD}

(Page 3 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.53

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	3
(1)	.51	.00	.00	.00	.00	.00	.00	.00	.00	.00	.51	.00	.00	.00	.00	.51	.00	1.52
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03	.00	.08
1.6- 2.0	1	0	2	0	0	1	0	1	0	0	0	0	0	1	0	1	0	7
(1)	.51	.00	1.01	.00	.00	.51	.00	.51	.00	.00	.00	.00	.00	.51	.00	.51	.00	3.54
(2)	.03	.00	.06	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.03	.00	.03	.00	.20
2.1- 3.0	3	2	0	0	1	1	1	1	5	5	1	0	5	2	1	2	0	30
(1)	1.52	1.01	.00	.00	.51	.51	.51	.51	2.53	2.53	.51	.00	2.53	1.01	.51	1.01	.00	15.15
(2)	.08	.06	.00	.00	.03	.03	.03	.03	.14	.14	.03	.00	.14	.06	.03	.06	.00	.84
3.1- 4.0	2	0	2	1	2	1	1	6	6	6	2	1	8	3	2	1	0	44
(1)	1.01	.00	1.01	.51	1.01	.51	.51	3.03	3.03	3.03	1.01	.51	4.04	1.52	1.01	.51	.00	22.22
(2)	.06	.00	.06	.03	.06	.03	.03	.17	.17	.17	.06	.03	.22	.08	.06	.03	.00	1.23
4.1- 5.0	3	2	1	0	0	3	5	4	7	1	1	2	6	5	0	2	0	42
(1)	1.52	1.01	.51	.00	.00	1.52	2.53	2.02	3.54	.51	.51	1.01	3.03	2.53	.00	1.01	.00	21.21
(2)	.08	.06	.03	.00	.00	.08	.14	.11	.20	.03	.03	.06	.17	.14	.00	.06	.00	1.17
5.1- 6.0	2	1	0	0	0	0	2	9	3	0	1	3	4	2	1	0	0	28
(1)	1.01	.51	.00	.00	.00	.00	1.01	4.55	1.52	.00	.51	1.52	2.02	1.01	.51	.00	.00	14.14
(2)	.06	.03	.00	.00	.00	.00	.06	.25	.08	.00	.03	.08	.11	.06	.03	.00	.00	.78
6.1- 8.0	2	4	1	0	0	0	2	0	1	0	0	5	3	3	1	1	0	23
(1)	1.01	2.02	.51	.00	.00	.00	1.01	.00	.51	.00	.00	2.53	1.52	1.52	.51	.51	.00	11.62
(2)	.06	.11	.03	.00	.00	.00	.06	.00	.03	.00	.00	.14	.08	.08	.03	.03	.00	.64
8.1-10.0	2	2	0	0	0	0	0	1	0	0	0	2	0	0	2	4	0	13
(1)	1.01	1.01	.00	.00	.00	.00	.00	.51	.00	.00	.00	1.01	.00	.00	1.01	2.02	.00	6.57
(2)	.06	.06	.00	.00	.00	.00	.00	.03	.00	.00	.00	.06	.00	.00	.06	.11	.00	.36
10.1-40.3	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	8
(1)	2.53	.51	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.01	.00	4.04
(2)	.14	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.22
ALL SPEEDS	21	12	6	1	3	6	11	22	22	12	6	13	26	16	7	14	0	198
(1)	10.61	6.06	3.03	.51	1.52	3.03	5.56	11.11	11.11	6.06	3.03	6.57	13.13	8.08	3.54	7.07	.00	100.00
(2)	.59	.33	.17	.03	.08	.17	.31	.61	.61	.33	.17	.36	.73	.45	.20	.39	.00	5.53

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Table 2.3-59—{NMPNS 100 ft (30-m) 2001-2005 September JFD}

(Page 4 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 29.67

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.09	.00	.00	.00	.00	.19
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06
1.1- 1.5	4	4	4	2	3	1	1	0	1	0	1	4	1	2	1	1	0	30
(1)	.38	.38	.38	.19	.28	.09	.09	.00	.09	.00	.09	.38	.09	.19	.09	.09	.00	2.82
(2)	.11	.11	.11	.06	.08	.03	.03	.00	.03	.00	.03	.11	.03	.06	.03	.03	.00	.84
1.6- 2.0	1	9	6	4	1	1	5	2	1	5	1	3	1	4	1	1	0	46
(1)	.09	.85	.56	.38	.09	.09	.47	.19	.09	.47	.09	.28	.09	.38	.09	.09	.00	4.33
(2)	.03	.25	.17	.11	.03	.03	.14	.06	.03	.14	.03	.08	.03	.11	.03	.03	.00	1.28
2.1- 3.0	7	18	10	6	4	6	9	6	6	12	5	5	4	4	5	9	0	116
(1)	.66	1.69	.94	.56	.38	.56	.85	.56	.56	1.13	.47	.47	.38	.38	.47	.85	.00	10.91
(2)	.20	.50	.28	.17	.11	.17	.25	.17	.17	.33	.14	.14	.11	.11	.14	.25	.00	3.24
3.1- 4.0	8	13	20	5	2	14	20	19	26	12	2	9	13	7	3	4	0	177
(1)	.75	1.22	1.88	.47	.19	1.32	1.88	1.79	2.45	1.13	.19	.85	1.22	.66	.28	.38	.00	16.65
(2)	.22	.36	.56	.14	.06	.39	.56	.53	.73	.33	.06	.25	.36	.20	.08	.11	.00	4.94
4.1- 5.0	14	7	26	2	0	15	28	26	19	3	8	12	10	3	4	4	0	181
(1)	1.32	.66	2.45	.19	.00	1.41	2.63	2.45	1.79	.28	.75	1.13	.94	.28	.38	.38	.00	17.03
(2)	.39	.20	.73	.06	.00	.42	.78	.73	.53	.08	.22	.33	.28	.08	.11	.11	.00	5.05
5.1- 6.0	10	16	14	0	2	1	15	20	24	3	5	14	19	3	5	12	0	163
(1)	.94	1.51	1.32	.00	.19	.09	1.41	1.88	2.26	.28	.47	1.32	1.79	.28	.47	1.13	.00	15.33
(2)	.28	.45	.39	.00	.06	.03	.42	.56	.67	.08	.14	.39	.53	.08	.14	.33	.00	4.55
6.1- 8.0	9	34	12	0	1	0	13	4	10	1	3	11	32	14	17	9	0	170
(1)	.85	3.20	1.13	.00	.09	.00	1.22	.38	.94	.09	.28	1.03	3.01	1.32	1.60	.85	.00	15.99
(2)	.25	.95	.33	.00	.03	.00	.36	.11	.28	.03	.08	.31	.89	.39	.47	.25	.00	4.74
8.1-10.0	12	19	2	0	0	6	3	12	0	0	0	9	26	16	10	5	0	120
(1)	1.13	1.79	.19	.00	.00	.56	.28	1.13	.00	.00	.00	.85	2.45	1.51	.94	.47	.00	11.29
(2)	.33	.53	.06	.00	.00	.17	.08	.33	.00	.00	.00	.25	.73	.45	.28	.14	.00	3.35
10.1-40.3	5	1	0	0	0	6	0	0	0	0	1	6	22	13	3	1	0	58
(1)	.47	.09	.00	.00	.00	.56	.00	.00	.00	.00	.09	.56	2.07	1.22	.28	.09	.00	5.46
(2)	.14	.03	.00	.00	.00	.17	.00	.00	.00	.00	.03	.17	.61	.36	.08	.03	.00	1.62
ALL SPEEDS	70	121	94	19	13	50	94	90	87	36	26	73	129	66	49	46	0	1063
(1)	6.59	11.38	8.84	1.79	1.22	4.70	8.84	8.47	8.18	3.39	2.45	6.87	12.14	6.21	4.61	4.33	.00	100.00
(2)	1.95	3.38	2.62	.53	.36	1.40	2.62	2.51	2.43	1.00	.73	2.04	3.60	1.84	1.37	1.28	.00	29.67

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Table 2.3-59—{NMPNS 100 ft (30-m) 2001-2005 September JFD}

(Page 5 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 26.43

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.11
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
.5- 1.0	1	1	1	1	0	1	1	1	0	0	0	0	0	1	0	1	0	9
(1)	.11	.11	.11	.11	.00	.11	.11	.11	.00	.00	.00	.00	.00	.11	.00	.11	.00	.95
(2)	.03	.03	.03	.03	.00	.03	.03	.03	.00	.00	.00	.00	.00	.03	.00	.03	.00	.25
1.1- 1.5	1	2	4	5	4	1	0	0	0	0	1	1	1	0	3	0	0	23
(1)	.11	.21	.42	.53	.42	.11	.00	.00	.00	.00	.11	.11	.11	.00	.32	.00	.00	2.43
(2)	.03	.06	.11	.14	.11	.03	.00	.00	.00	.00	.03	.03	.03	.00	.08	.00	.00	.64
1.6- 2.0	2	2	2	7	6	5	1	3	3	1	3	5	2	1	0	2	0	45
(1)	.21	.21	.21	.74	.63	.53	.11	.32	.32	.11	.32	.53	.21	.11	.00	.21	.00	4.75
(2)	.06	.06	.06	.20	.17	.14	.03	.08	.08	.03	.08	.14	.06	.03	.00	.06	.00	1.26
2.1- 3.0	8	4	12	13	15	7	10	11	5	6	7	10	5	1	0	2	0	116
(1)	.84	.42	1.27	1.37	1.58	.74	1.06	1.16	.53	.63	.74	1.06	.53	.11	.00	.21	.00	12.25
(2)	.22	.11	.33	.36	.42	.20	.28	.31	.14	.17	.20	.28	.14	.03	.00	.06	.00	3.24
3.1- 4.0	1	4	13	5	5	20	41	32	30	12	4	12	5	0	1	1	0	186
(1)	.11	.42	1.37	.53	.53	2.11	4.33	3.38	3.17	1.27	.42	1.27	.53	.00	.11	.11	.00	19.64
(2)	.03	.11	.36	.14	.14	.56	1.14	.89	.84	.33	.11	.33	.14	.00	.03	.03	.00	5.19
4.1- 5.0	2	1	4	1	2	21	58	65	44	28	11	15	4	2	1	0	0	259
(1)	.21	.11	.42	.11	.21	2.22	6.12	6.86	4.65	2.96	1.16	1.58	.42	.21	.11	.00	.00	27.35
(2)	.06	.03	.11	.03	.06	.59	1.62	1.81	1.23	.78	.31	.42	.11	.06	.03	.00	.00	7.23
5.1- 6.0	0	2	2	0	2	4	32	43	53	11	8	17	4	1	1	0	0	180
(1)	.00	.21	.21	.00	.21	.42	3.38	4.54	5.60	1.16	.84	1.80	.42	.11	.11	.00	.00	19.01
(2)	.00	.06	.06	.00	.06	.11	.89	1.20	1.48	.31	.22	.47	.11	.03	.03	.00	.00	5.02
6.1- 8.0	2	1	0	0	1	2	32	21	15	0	1	10	7	2	1	2	0	97
(1)	.21	.11	.00	.00	.11	.21	3.38	2.22	1.58	.00	.11	1.06	.74	.21	.11	.21	.00	10.24
(2)	.06	.03	.00	.00	.03	.06	.89	.59	.42	.00	.03	.28	.20	.06	.03	.06	.00	2.71
8.1-10.0	0	0	0	0	0	0	0	4	0	0	0	7	2	6	4	1	0	24
(1)	.00	.00	.00	.00	.00	.00	.00	.42	.00	.00	.00	.74	.21	.63	.42	.11	.00	2.53
(2)	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.20	.06	.17	.11	.03	.00	.67
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	4	0	3	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	.00	.32	.00	.00	.74
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.08	.00	.00	.20
ALL SPEEDS	17	17	38	32	35	61	175	180	150	58	35	77	34	15	14	9	0	947
(1)	1.80	1.80	4.01	3.38	3.70	6.44	18.48	19.01	15.84	6.12	3.70	8.13	3.59	1.58	1.48	.95	.00	100.00
(2)	.47	.47	1.06	.89	.98	1.70	4.88	5.02	4.19	1.62	.98	2.15	.95	.42	.39	.25	.00	26.43

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Table 2.3-59—{NMPNS 100 ft (30-m) 2001-2005 September JFD}

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NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 9.29

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	0	5
(1)	.30	.00	.00	.00	.00	.30	.00	.30	.00	.30	.00	.30	.00	.00	.00	.00	.00	1.50
(2)	.03	.00	.00	.00	.00	.03	.00	.03	.00	.03	.00	.03	.00	.00	.00	.00	.00	.14
1.1- 1.5	0	0	0	1	2	0	1	0	1	2	0	1	1	0	1	0	0	10
(1)	.00	.00	.00	.30	.60	.00	.30	.00	.30	.60	.00	.30	.30	.00	.30	.00	.00	3.00
(2)	.00	.00	.00	.03	.06	.00	.03	.00	.03	.06	.00	.03	.03	.00	.03	.00	.00	.28
1.6- 2.0	0	0	2	0	5	0	2	3	0	2	2	1	1	0	0	1	0	19
(1)	.00	.00	.60	.00	1.50	.00	.60	.90	.00	.60	.60	.30	.30	.00	.00	.30	.00	5.71
(2)	.00	.00	.06	.00	.14	.00	.06	.08	.00	.06	.06	.03	.03	.00	.00	.03	.00	.53
2.1- 3.0	0	2	3	1	13	13	4	6	3	3	7	6	3	2	1	0	0	67
(1)	.00	.60	.90	.30	3.90	3.90	1.20	1.80	.90	.90	2.10	1.80	.90	.60	.30	.00	.00	20.12
(2)	.00	.06	.08	.03	.36	.36	.11	.17	.08	.08	.20	.17	.08	.06	.03	.00	.00	1.87
3.1- 4.0	0	0	0	0	4	11	9	10	7	12	8	2	3	0	0	0	0	66
(1)	.00	.00	.00	.00	1.20	3.30	2.70	3.00	2.10	3.60	2.40	.60	.90	.00	.00	.00	.00	19.82
(2)	.00	.00	.00	.00	.11	.31	.25	.28	.20	.33	.22	.06	.08	.00	.00	.00	.00	1.84
4.1- 5.0	0	0	0	0	1	2	12	25	16	28	7	1	4	0	1	0	0	97
(1)	.00	.00	.00	.00	.30	.60	3.60	7.51	4.80	8.41	2.10	.30	1.20	.00	.30	.00	.00	29.13
(2)	.00	.00	.00	.00	.03	.06	.33	.70	.45	.78	.20	.03	.11	.00	.03	.00	.00	2.71
5.1- 6.0	0	0	0	0	0	0	8	20	14	12	4	3	2	1	0	0	0	64
(1)	.00	.00	.00	.00	.00	.00	2.40	6.01	4.20	3.60	1.20	.90	.60	.30	.00	.00	.00	19.22
(2)	.00	.00	.00	.00	.00	.00	.22	.56	.39	.33	.11	.08	.06	.03	.00	.00	.00	1.79
6.1- 8.0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.00	.30	.00	.00	.00	.00	.00	.60
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.00	.00	.00	.00	.00	.06
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.00	.00	.00	.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60	.00	.00	.60
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.06
ALL SPEEDS	1	2	5	2	25	27	36	65	42	60	28	16	15	3	5	1	0	333
(1)	.30	.60	1.50	.60	7.51	8.11	10.81	19.52	12.61	18.02	8.41	4.80	4.50	.90	1.50	.30	.00	100.00
(2)	.03	.06	.14	.06	.70	.75	1.00	1.81	1.17	1.67	.78	.45	.42	.08	.14	.03	.00	9.29

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Table 2.3-59—{NMPNS 100 ft (30-m) 2001-2005 September JFD}

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NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 13.17

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.00	.00	.00	.00	.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
.5- 1.0	0	0	0	1	1	3	0	4	0	2	3	1	2	0	0	0	0	17
(1)	.00	.00	.00	.21	.21	.64	.00	.85	.00	.42	.64	.21	.42	.00	.00	.00	.00	3.60
(2)	.00	.00	.00	.03	.03	.08	.00	.11	.00	.06	.08	.03	.06	.00	.00	.00	.00	.47
1.1- 1.5	0	1	2	4	8	4	1	2	0	1	2	3	1	0	1	0	0	30
(1)	.00	.21	.42	.85	1.69	.85	.21	.42	.00	.21	.42	.64	.21	.00	.21	.00	.00	6.36
(2)	.00	.03	.06	.11	.22	.11	.03	.06	.00	.03	.06	.08	.03	.00	.03	.00	.00	.84
1.6- 2.0	0	0	0	1	4	2	7	3	4	3	3	2	0	1	0	0	0	30
(1)	.00	.00	.00	.21	.85	.42	1.48	.64	.85	.64	.64	.42	.00	.21	.00	.00	.00	6.36
(2)	.00	.00	.00	.03	.11	.06	.20	.08	.11	.08	.08	.06	.00	.03	.00	.00	.00	.84
2.1- 3.0	0	1	0	1	5	16	12	6	15	29	10	3	1	1	1	0	0	101
(1)	.00	.21	.00	.21	1.06	3.39	2.54	1.27	3.18	6.14	2.12	.64	.21	.21	.21	.00	.00	21.40
(2)	.00	.03	.00	.03	.14	.45	.33	.17	.42	.81	.28	.08	.03	.03	.03	.00	.00	2.82
3.1- 4.0	0	0	0	0	1	13	7	14	41	27	6	1	0	0	0	0	0	110
(1)	.00	.00	.00	.00	.21	2.75	1.48	2.97	8.69	5.72	1.27	.21	.00	.00	.00	.00	.00	23.31
(2)	.00	.00	.00	.00	.03	.36	.20	.39	1.14	.75	.17	.03	.00	.00	.00	.00	.00	3.07
4.1- 5.0	0	0	0	0	0	7	16	26	49	27	1	0	0	1	0	0	0	127
(1)	.00	.00	.00	.00	.00	1.48	3.39	5.51	10.38	5.72	.21	.00	.00	.21	.00	.00	.00	26.91
(2)	.00	.00	.00	.00	.00	.20	.45	.73	1.37	.75	.03	.00	.00	.03	.00	.00	.00	3.54
5.1- 6.0	0	0	0	0	0	0	4	10	20	16	0	0	0	1	0	0	0	51
(1)	.00	.00	.00	.00	.00	.00	.85	2.12	4.24	3.39	.00	.00	.00	.21	.00	.00	.00	10.81
(2)	.00	.00	.00	.00	.00	.00	.11	.28	.56	.45	.00	.00	.00	.03	.00	.00	.00	1.42
6.1- 8.0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.00	.00	.00	.00	.00	.00	.00	.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	.42	.00	.00	.85
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.06	.00	.00	.11
ALL SPEEDS	0	2	2	7	19	45	47	65	129	106	25	10	5	6	4	0	0	472
(1)	.00	.42	.42	1.48	4.03	9.53	9.96	13.77	27.33	22.46	5.30	2.12	1.06	1.27	.85	.00	.00	100.00
(2)	.00	.06	.06	.20	.53	1.26	1.31	1.81	3.60	2.96	.70	.28	.14	.17	.11	.00	.00	13.17

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Table 2.3-59—{NMPNS 100 ft (30-m) 2001-2005 September JFD}

(Page 8 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.06
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.06
.5- 1.0	2	1	1	2	1	5	1	7	0	3	3	2	4	2	0	1	0	35
(1)	.06	.03	.03	.06	.03	.14	.03	.20	.00	.08	.08	.06	.11	.06	.00	.03	.00	.98
(2)	.06	.03	.03	.06	.03	.14	.03	.20	.00	.08	.08	.06	.11	.06	.00	.03	.00	.98
1.1- 1.5	6	7	10	12	17	6	3	2	2	3	5	9	4	2	8	3	0	99
(1)	.17	.20	.28	.33	.47	.17	.08	.06	.06	.08	.14	.25	.11	.06	.22	.08	.00	2.76
(2)	.17	.20	.28	.33	.47	.17	.08	.06	.06	.08	.14	.25	.11	.06	.22	.08	.00	2.76
1.6- 2.0	6	11	12	12	16	9	15	12	10	12	9	11	5	11	6	12	0	169
(1)	.17	.31	.33	.33	.45	.25	.42	.33	.28	.33	.25	.31	.14	.31	.17	.33	.00	4.72
(2)	.17	.31	.33	.33	.45	.25	.42	.33	.28	.33	.25	.31	.14	.31	.17	.33	.00	4.72
2.1- 3.0	36	34	28	22	38	46	42	34	36	58	31	25	27	22	24	34	0	537
(1)	1.00	.95	.78	.61	1.06	1.28	1.17	.95	1.00	1.62	.87	.70	.75	.61	.67	.95	.00	14.99
(2)	1.00	.95	.78	.61	1.06	1.28	1.17	.95	1.00	1.62	.87	.70	.75	.61	.67	.95	.00	14.99
3.1- 4.0	24	30	36	11	14	64	88	90	116	70	22	28	36	16	20	17	0	682
(1)	.67	.84	1.00	.31	.39	1.79	2.46	2.51	3.24	1.95	.61	.78	1.00	.45	.56	.47	.00	19.03
(2)	.67	.84	1.00	.31	.39	1.79	2.46	2.51	3.24	1.95	.61	.78	1.00	.45	.56	.47	.00	19.03
4.1- 5.0	36	16	32	3	4	56	131	163	141	88	29	47	36	19	10	17	0	828
(1)	1.00	.45	.89	.08	.11	1.56	3.66	4.55	3.94	2.46	.81	1.31	1.00	.53	.28	.47	.00	23.11
(2)	1.00	.45	.89	.08	.11	1.56	3.66	4.55	3.94	2.46	.81	1.31	1.00	.53	.28	.47	.00	23.11
5.1- 6.0	28	27	17	0	4	7	64	109	118	42	18	55	39	11	13	22	0	574
(1)	.78	.75	.47	.00	.11	.20	1.79	3.04	3.29	1.17	.50	1.54	1.09	.31	.36	.61	.00	16.02
(2)	.78	.75	.47	.00	.11	.20	1.79	3.04	3.29	1.17	.50	1.54	1.09	.31	.36	.61	.00	16.02
6.1- 8.0	29	51	15	0	2	2	49	26	28	2	4	50	43	21	20	14	0	356
(1)	.81	1.42	.42	.00	.06	.06	1.37	.73	.78	.06	.11	1.40	1.20	.59	.56	.39	.00	9.94
(2)	.81	1.42	.42	.00	.06	.06	1.37	.73	.78	.06	.11	1.40	1.20	.59	.56	.39	.00	9.94
8.1-10.0	17	23	3	0	0	6	3	17	0	0	1	24	31	23	17	17	0	182
(1)	.47	.64	.08	.00	.00	.17	.08	.47	.00	.00	.03	.67	.87	.64	.47	.47	.00	5.08
(2)	.47	.64	.08	.00	.00	.17	.08	.47	.00	.00	.03	.67	.87	.64	.47	.47	.00	5.08
10.1-40.3	13	2	0	0	0	6	0	0	0	0	1	6	31	29	14	17	0	119
(1)	.36	.06	.00	.00	.00	.17	.00	.00	.00	.00	.03	.17	.87	.81	.39	.47	.00	3.32
(2)	.36	.06	.00	.00	.00	.17	.00	.00	.00	.00	.03	.17	.87	.81	.39	.47	.00	3.32
ALL SPEEDS	197	202	154	62	96	207	396	460	451	278	123	257	257	157	132	154	0	3583
(1)	5.50	5.64	4.30	1.73	2.68	5.78	11.05	12.84	12.59	7.76	3.43	7.17	7.17	4.38	3.68	4.30	.00	100.00
(2)	5.50	5.64	4.30	1.73	2.68	5.78	11.05	12.84	12.59	7.76	3.43	7.17	7.17	4.38	3.68	4.30	.00	100.00

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Table 2.3-60—{NMPNS 100 ft (30-m) 2001-2005 October JFD}

(Page 1 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 8.21

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33	.00	.00	.00	.33
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33	.00	.00	.33
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03
1.6- 2.0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	4
(1)	.33	.00	.00	.00	.00	.00	.00	.00	.00	.33	.00	.00	.00	.00	.67	.00	.00	1.34
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.05	.00	.00	.11
2.1- 3.0	8	3	2	0	0	0	2	0	0	1	0	0	1	2	1	6	0	26
(1)	2.68	1.00	.67	.00	.00	.00	.67	.00	.00	.33	.00	.00	.33	.67	.33	2.01	.00	8.70
(2)	.22	.08	.05	.00	.00	.00	.05	.00	.00	.03	.00	.00	.03	.05	.03	.16	.00	.71
3.1- 4.0	4	8	2	2	1	5	2	0	1	1	0	1	0	4	0	2	0	33
(1)	1.34	2.68	.67	.67	.33	1.67	.67	.00	.33	.33	.00	.33	.00	1.34	.00	.67	.00	11.04
(2)	.11	.22	.05	.05	.03	.14	.05	.00	.03	.03	.00	.03	.00	.11	.00	.05	.00	.91
4.1- 5.0	2	3	6	2	0	3	7	2	1	0	0	6	3	4	3	2	0	44
(1)	.67	1.00	2.01	.67	.00	1.00	2.34	.67	.33	.00	.00	2.01	1.00	1.34	1.00	.67	.00	14.72
(2)	.05	.08	.16	.05	.00	.08	.19	.05	.03	.00	.00	.16	.08	.11	.08	.05	.00	1.21
5.1- 6.0	2	4	1	0	1	4	1	0	0	0	1	1	1	7	7	3	0	33
(1)	.67	1.34	.33	.00	.33	1.34	.33	.00	.00	.00	.33	.33	.33	2.34	2.34	1.00	.00	11.04
(2)	.05	.11	.03	.00	.03	.11	.03	.00	.00	.00	.03	.03	.03	.19	.19	.08	.00	.91
6.1- 8.0	2	5	6	0	0	0	2	0	0	0	0	2	1	2	4	4	0	28
(1)	.67	1.67	2.01	.00	.00	.00	.67	.00	.00	.00	.00	.67	.33	.67	1.34	1.34	.00	9.36
(2)	.05	.14	.16	.00	.00	.00	.05	.00	.00	.00	.00	.05	.03	.05	.11	.11	.00	.77
8.1-10.0	2	0	2	0	0	0	0	0	0	0	0	2	0	1	5	11	0	23
(1)	.67	.00	.67	.00	.00	.00	.00	.00	.00	.00	.00	.67	.00	.33	1.67	3.68	.00	7.69
(2)	.05	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.03	.14	.30	.00	.63
10.1-40.3	10	12	0	0	0	0	0	0	0	0	0	4	18	27	23	12	0	106
(1)	3.34	4.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.34	6.02	9.03	7.69	4.01	.00	35.45
(2)	.27	.33	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.49	.74	.63	.33	.00	2.91
ALL SPEEDS	31	35	19	4	2	12	14	2	2	3	1	16	24	48	46	40	0	299
(1)	10.37	11.71	6.35	1.34	.67	4.01	4.68	.67	.67	1.00	.33	5.35	8.03	16.05	15.38	13.38	.00	100.00
(2)	.85	.96	.52	.11	.05	.33	.38	.05	.05	.08	.03	.44	.66	1.32	1.26	1.10	.00	8.21

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Table 2.3-60—{NMPNS 100 ft (30-m) 2001-2005 October JFD}

(Page 2 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 6.87

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00	.40
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03
1.6- 2.0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3
(1)	.40	.00	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00	.00	1.20
(2)	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.08
2.1- 3.0	2	4	1	1	0	0	1	3	0	0	2	0	3	1	0	2	0	20
(1)	.80	1.60	.40	.40	.00	.00	.40	1.20	.00	.00	.80	.00	1.20	.40	.00	.80	.00	8.00
(2)	.05	.11	.03	.03	.00	.00	.03	.08	.00	.00	.05	.00	.08	.03	.00	.05	.00	.55
3.1- 4.0	3	1	0	0	1	1	0	1	2	1	1	1	1	1	0	2	0	16
(1)	1.20	.40	.00	.00	.40	.40	.00	.40	.80	.40	.40	.40	.40	.40	.00	.80	.00	6.40
(2)	.08	.03	.00	.00	.03	.03	.00	.03	.05	.03	.03	.03	.03	.03	.00	.05	.00	.44
4.1- 5.0	4	0	2	0	0	1	3	0	5	1	0	5	2	3	0	0	0	26
(1)	1.60	.00	.80	.00	.00	.40	1.20	.00	2.00	.40	.00	2.00	.80	1.20	.00	.00	.00	10.40
(2)	.11	.00	.05	.00	.00	.03	.08	.00	.14	.03	.00	.14	.05	.08	.00	.00	.00	.71
5.1- 6.0	2	1	2	0	1	1	3	4	4	1	1	2	3	1	4	2	0	32
(1)	.80	.40	.80	.00	.40	.40	1.20	1.60	1.60	.40	.40	.80	1.20	.40	1.60	.80	.00	12.80
(2)	.05	.03	.05	.00	.03	.03	.08	.11	.11	.03	.03	.05	.08	.03	.11	.05	.00	.88
6.1- 8.0	1	4	0	0	0	1	2	0	0	0	1	5	7	4	7	8	0	40
(1)	.40	1.60	.00	.00	.00	.40	.80	.00	.00	.00	.40	2.00	2.80	1.60	2.80	3.20	.00	16.00
(2)	.03	.11	.00	.00	.00	.03	.05	.00	.00	.00	.03	.14	.19	.11	.19	.22	.00	1.10
8.1-10.0	4	1	0	0	0	0	1	0	0	0	1	2	2	8	16	4	0	39
(1)	1.60	.40	.00	.00	.00	.00	.40	.00	.00	.00	.40	.80	.80	3.20	6.40	1.60	.00	15.60
(2)	.11	.03	.00	.00	.00	.00	.03	.00	.00	.00	.03	.05	.05	.22	.44	.11	.00	1.07
10.1-40.3	1	5	0	0	0	0	0	0	0	0	0	2	25	11	23	5	0	72
(1)	.40	2.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.80	10.00	4.40	9.20	2.00	.00	28.80
(2)	.03	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.69	.30	.63	.14	.00	1.98
ALL SPEEDS	19	16	6	1	2	4	10	8	11	3	6	17	43	30	51	23	0	250
(1)	7.60	6.40	2.40	.40	.80	1.60	4.00	3.20	4.40	1.20	2.40	6.80	17.20	12.00	20.40	9.20	.00	100.00
(2)	.52	.44	.16	.03	.05	.11	.27	.22	.30	.08	.16	.47	1.18	.82	1.40	.63	.00	6.87

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Table 2.3-60—{NMPNS 100 ft (30-m) 2001-2005 October JFD}

(Page 3 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 8.68

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	1	0	1	1	0	0	1	0	0	0	1	0	0	0	0	5
(1)	.00	.00	.32	.00	.32	.32	.00	.00	.32	.00	.00	.00	.32	.00	.00	.00	.00	1.58
(2)	.00	.00	.03	.00	.03	.03	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.14
2.1- 3.0	1	2	2	1	0	1	1	3	3	1	0	0	0	1	0	0	0	16
(1)	.32	.63	.63	.32	.00	.32	.32	.95	.95	.32	.00	.00	.00	.32	.00	.00	.00	5.06
(2)	.03	.05	.05	.03	.00	.03	.03	.08	.08	.03	.00	.00	.00	.03	.00	.00	.00	.44
3.1- 4.0	3	5	5	0	0	5	2	2	6	3	1	2	1	2	0	1	0	38
(1)	.95	1.58	1.58	.00	.00	1.58	.63	.63	1.90	.95	.32	.63	.32	.63	.00	.32	.00	12.03
(2)	.08	.14	.14	.00	.00	.14	.05	.05	.16	.08	.03	.05	.03	.05	.00	.03	.00	1.04
4.1- 5.0	0	1	5	0	0	7	4	5	12	0	0	0	7	4	1	1	0	47
(1)	.00	.32	1.58	.00	.00	2.22	1.27	1.58	3.80	.00	.00	.00	2.22	1.27	.32	.32	.00	14.87
(2)	.00	.03	.14	.00	.00	.19	.11	.14	.33	.00	.00	.00	.19	.11	.03	.03	.00	1.29
5.1- 6.0	4	4	0	0	0	3	3	2	1	1	1	1	4	1	2	2	0	29
(1)	1.27	1.27	.00	.00	.00	.95	.95	.63	.32	.32	.32	.32	1.27	.32	.63	.63	.00	9.18
(2)	.11	.11	.00	.00	.00	.08	.08	.05	.03	.03	.03	.03	.11	.03	.05	.05	.00	.80
6.1- 8.0	11	1	1	0	0	0	8	3	1	1	0	5	8	4	6	8	0	57
(1)	3.48	.32	.32	.00	.00	.00	2.53	.95	.32	.32	.00	1.58	2.53	1.27	1.90	2.53	.00	18.04
(2)	.30	.03	.03	.00	.00	.00	.22	.08	.03	.03	.00	.14	.22	.11	.16	.22	.00	1.57
8.1-10.0	7	2	5	0	0	0	0	0	0	0	0	1	4	6	12	8	0	45
(1)	2.22	.63	1.58	.00	.00	.00	.00	.00	.00	.00	.00	.32	1.27	1.90	3.80	2.53	.00	14.24
(2)	.19	.05	.14	.00	.00	.00	.00	.00	.00	.00	.00	.03	.11	.16	.33	.22	.00	1.24
10.1-40.3	1	7	3	0	0	0	0	0	0	0	0	5	28	19	13	3	0	79
(1)	.32	2.22	.95	.00	.00	.00	.00	.00	.00	.00	.00	1.58	8.86	6.01	4.11	.95	.00	25.00
(2)	.03	.19	.08	.00	.00	.00	.00	.00	.00	.00	.00	.14	.77	.52	.36	.08	.00	2.17
ALL SPEEDS	27	22	22	1	1	17	18	15	24	6	2	14	53	37	34	23	0	316
(1)	8.54	6.96	6.96	.32	.32	5.38	5.70	4.75	7.59	1.90	.63	4.43	16.77	11.71	10.76	7.28	.00	100.00
(2)	.74	.60	.60	.03	.03	.47	.49	.41	.66	.16	.05	.38	1.46	1.02	.93	.63	.00	8.68

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Table 2.3-60—{NMPNS 100 ft (30-m) 2001-2005 October JFD}

(Page 4 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 40.71

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	2	2	1	2	0	0	1	1	0	0	2	0	1	1	0	13
(1)	.00	.00	.13	.13	.07	.13	.00	.00	.07	.07	.00	.00	.13	.00	.07	.07	.00	.88
(2)	.00	.00	.05	.05	.03	.05	.00	.00	.03	.03	.00	.00	.05	.00	.03	.03	.00	.36
1.1- 1.5	2	2	7	4	2	5	5	2	1	2	0	0	1	0	1	3	0	37
(1)	.13	.13	.47	.27	.13	.34	.34	.13	.07	.13	.00	.00	.07	.00	.07	.20	.00	2.50
(2)	.05	.05	.19	.11	.05	.14	.14	.05	.03	.05	.00	.00	.03	.00	.03	.08	.00	1.02
1.6- 2.0	3	4	13	10	2	10	6	2	0	1	0	0	1	2	3	3	0	60
(1)	.20	.27	.88	.67	.13	.67	.40	.13	.00	.07	.00	.00	.07	.13	.20	.20	.00	4.05
(2)	.08	.11	.36	.27	.05	.27	.16	.05	.00	.03	.00	.00	.03	.05	.08	.08	.00	1.65
2.1- 3.0	10	11	25	17	7	17	20	9	10	2	5	2	5	3	1	9	0	153
(1)	.67	.74	1.69	1.15	.47	1.15	1.35	.61	.67	.13	.34	.13	.34	.20	.07	.61	.00	10.32
(2)	.27	.30	.69	.47	.19	.47	.55	.25	.27	.05	.14	.05	.14	.08	.03	.25	.00	4.20
3.1- 4.0	15	10	29	10	11	32	17	9	21	17	7	8	3	2	7	4	0	202
(1)	1.01	.67	1.96	.67	.74	2.16	1.15	.61	1.42	1.15	.47	.54	.20	.13	.47	.27	.00	13.63
(2)	.41	.27	.80	.27	.30	.88	.47	.25	.58	.47	.19	.22	.08	.05	.19	.11	.00	5.55
4.1- 5.0	7	16	28	5	3	57	44	14	32	12	6	9	9	2	14	5	0	263
(1)	.47	1.08	1.89	.34	.20	3.85	2.97	.94	2.16	.81	.40	.61	.61	.13	.94	.34	.00	17.75
(2)	.19	.44	.77	.14	.08	1.57	1.21	.38	.88	.33	.16	.25	.25	.05	.38	.14	.00	7.23
5.1- 6.0	8	13	16	1	1	40	46	11	27	17	13	7	10	11	4	9	0	234
(1)	.54	.88	1.08	.07	.07	2.70	3.10	.74	1.82	1.15	.88	.47	.67	.74	.27	.61	.00	15.79
(2)	.22	.36	.44	.03	.03	1.10	1.26	.30	.74	.47	.36	.19	.27	.30	.11	.25	.00	6.43
6.1- 8.0	10	21	11	0	0	9	27	21	18	16	15	19	22	19	23	7	0	238
(1)	.67	1.42	.74	.00	.00	.61	1.82	1.42	1.21	1.08	1.01	1.28	1.48	1.28	1.55	.47	.00	16.06
(2)	.27	.58	.30	.00	.00	.25	.74	.58	.49	.44	.41	.52	.60	.52	.63	.19	.00	6.54
8.1-10.0	3	7	4	0	0	0	6	17	0	3	6	14	22	24	13	7	0	126
(1)	.20	.47	.27	.00	.00	.00	.40	1.15	.00	.20	.40	.94	1.48	1.62	.88	.47	.00	8.50
(2)	.08	.19	.11	.00	.00	.00	.16	.47	.00	.08	.16	.38	.60	.66	.36	.19	.00	3.46
10.1-40.3	0	0	0	0	0	0	0	2	0	0	0	26	53	53	17	5	0	156
(1)	.00	.00	.00	.00	.00	.00	.00	.13	.00	.00	.00	1.75	3.58	3.58	1.15	.34	.00	10.53
(2)	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.71	1.46	1.46	.47	.14	.00	4.29
ALL SPEEDS	58	84	135	49	27	172	171	87	110	71	52	85	128	116	84	53	0	1482
(1)	3.91	5.67	9.11	3.31	1.82	11.61	11.54	5.87	7.42	4.79	3.51	5.74	8.64	7.83	5.67	3.58	.00	100.00
(2)	1.59	2.31	3.71	1.35	.74	4.73	4.70	2.39	3.02	1.95	1.43	2.34	3.52	3.19	2.31	1.46	.00	40.71

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Table 2.3-60—{NMPNS 100 ft (30-m) 2001-2005 October JFD}

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NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 24.45

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	5	1	1	0	1	0	0	1	1	1	0	0	1	0	0	13
(1)	.11	.00	.56	.11	.11	.00	.11	.00	.00	.11	.11	.11	.00	.00	.11	.00	.00	1.46
(2)	.03	.00	.14	.03	.03	.00	.03	.00	.00	.03	.03	.03	.00	.00	.03	.00	.00	.36
1.1- 1.5	1	4	3	2	1	1	1	0	3	1	4	0	1	1	0	1	0	24
(1)	.11	.45	.34	.22	.11	.11	.11	.00	.34	.11	.45	.00	.11	.11	.00	.11	.00	2.70
(2)	.03	.11	.08	.05	.03	.03	.03	.00	.08	.03	.11	.00	.03	.03	.00	.03	.00	.66
1.6- 2.0	1	0	3	11	4	4	2	2	1	2	0	2	0	2	0	1	0	35
(1)	.11	.00	.34	1.24	.45	.45	.22	.22	.11	.22	.00	.22	.00	.22	.00	.11	.00	3.93
(2)	.03	.00	.08	.30	.11	.11	.05	.05	.03	.05	.00	.05	.00	.05	.00	.03	.00	.96
2.1- 3.0	2	2	2	9	9	10	17	11	6	7	1	6	2	2	3	1	0	90
(1)	.22	.22	.22	1.01	1.01	1.12	1.91	1.24	.67	.79	.11	.67	.22	.22	.34	.11	.00	10.11
(2)	.05	.05	.05	.25	.25	.27	.47	.30	.16	.19	.03	.16	.05	.05	.08	.03	.00	2.47
3.1- 4.0	1	0	2	2	3	16	30	18	23	12	12	4	1	2	1	1	0	128
(1)	.11	.00	.22	.22	.34	1.80	3.37	2.02	2.58	1.35	1.35	.45	.11	.22	.11	.11	.00	14.38
(2)	.03	.00	.05	.05	.08	.44	.82	.49	.63	.33	.33	.11	.03	.05	.03	.03	.00	3.52
4.1- 5.0	0	0	3	0	0	9	61	35	39	32	15	7	8	1	1	0	0	211
(1)	.00	.00	.34	.00	.00	1.01	6.85	3.93	4.38	3.60	1.69	.79	.90	.11	.11	.00	.00	23.71
(2)	.00	.00	.08	.00	.00	.25	1.68	.96	1.07	.88	.41	.19	.22	.03	.03	.00	.00	5.80
5.1- 6.0	0	0	0	0	0	1	46	52	62	18	9	10	2	2	0	0	0	202
(1)	.00	.00	.00	.00	.00	.11	5.17	5.84	6.97	2.02	1.01	1.12	.22	.22	.00	.00	.00	22.70
(2)	.00	.00	.00	.00	.00	.03	1.26	1.43	1.70	.49	.25	.27	.05	.05	.00	.00	.00	5.55
6.1- 8.0	0	0	0	0	0	0	30	39	29	4	6	13	4	4	0	1	0	130
(1)	.00	.00	.00	.00	.00	.00	3.37	4.38	3.26	.45	.67	1.46	.45	.45	.00	.11	.00	14.61
(2)	.00	.00	.00	.00	.00	.00	.82	1.07	.80	.11	.16	.36	.11	.11	.00	.03	.00	3.57
8.1-10.0	0	0	0	0	0	0	3	1	0	0	2	8	0	4	1	0	0	19
(1)	.00	.00	.00	.00	.00	.00	.34	.11	.00	.00	.22	.90	.00	.45	.11	.00	.00	2.13
(2)	.00	.00	.00	.00	.00	.00	.08	.03	.00	.00	.05	.22	.00	.11	.03	.00	.00	.52
10.1-40.3	0	0	0	0	0	0	0	0	0	0	1	8	21	7	1	0	0	38
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.90	2.36	.79	.11	.00	.00	4.27
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.22	.58	.19	.03	.00	.00	1.04
ALL SPEEDS	6	6	18	25	18	41	191	158	163	77	51	59	39	25	8	5	0	890
(1)	.67	.67	2.02	2.81	2.02	4.61	21.46	17.75	18.31	8.65	5.73	6.63	4.38	2.81	.90	.56	.00	100.00
(2)	.16	.16	.49	.69	.49	1.13	5.25	4.34	4.48	2.12	1.40	1.62	1.07	.69	.22	.14	.00	24.45

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Table 2.3-60—{NMPNS 100 ft (30-m) 2001-2005 October JFD}

(Page 6 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 6.90

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	2	0	1	0	1	1	1	0	0	1	1	0	1	0	0	9
(1)	.00	.00	.80	.00	.40	.00	.40	.40	.40	.00	.00	.40	.40	.00	.40	.00	.00	3.59
(2)	.00	.00	.05	.00	.03	.00	.03	.03	.03	.00	.00	.03	.03	.00	.03	.00	.00	.25
1.1- 1.5	0	0	0	3	0	2	1	0	0	2	1	0	1	1	0	0	0	11
(1)	.00	.00	.00	1.20	.00	.80	.40	.00	.00	.80	.40	.00	.40	.40	.00	.00	.00	4.38
(2)	.00	.00	.00	.08	.00	.05	.03	.00	.00	.05	.03	.00	.03	.03	.00	.00	.00	.30
1.6- 2.0	0	0	2	0	0	1	0	1	1	1	1	0	0	2	0	0	0	9
(1)	.00	.00	.80	.00	.00	.40	.00	.40	.40	.40	.40	.00	.00	.80	.00	.00	.00	3.59
(2)	.00	.00	.05	.00	.00	.03	.00	.03	.03	.03	.03	.00	.00	.05	.00	.00	.00	.25
2.1- 3.0	1	0	0	0	10	10	7	2	2	4	0	0	3	0	0	0	0	39
(1)	.40	.00	.00	.00	3.98	3.98	2.79	.80	.80	1.59	.00	.00	1.20	.00	.00	.00	.00	15.54
(2)	.03	.00	.00	.00	.27	.27	.19	.05	.05	.11	.00	.00	.08	.00	.00	.00	.00	1.07
3.1- 4.0	0	0	0	0	3	9	11	8	8	11	2	0	0	0	0	0	0	52
(1)	.00	.00	.00	.00	1.20	3.59	4.38	3.19	3.19	4.38	.80	.00	.00	.00	.00	.00	.00	20.72
(2)	.00	.00	.00	.00	.08	.25	.30	.22	.22	.30	.05	.00	.00	.00	.00	.00	.00	1.43
4.1- 5.0	0	0	0	0	0	2	25	15	14	12	5	2	0	0	0	0	0	75
(1)	.00	.00	.00	.00	.00	.80	9.96	5.98	5.58	4.78	1.99	.80	.00	.00	.00	.00	.00	29.88
(2)	.00	.00	.00	.00	.00	.05	.69	.41	.38	.33	.14	.05	.00	.00	.00	.00	.00	2.06
5.1- 6.0	0	0	0	0	0	0	11	11	15	10	0	2	0	0	0	0	0	49
(1)	.00	.00	.00	.00	.00	.00	4.38	4.38	5.98	3.98	.00	.80	.00	.00	.00	.00	.00	19.52
(2)	.00	.00	.00	.00	.00	.00	.30	.30	.41	.27	.00	.05	.00	.00	.00	.00	.00	1.35
6.1- 8.0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.40	.40	.00	.00	.00	.00	.00	.00	.00	.00	.80
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.05
8.1-10.0	0	0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	1.59	.00	.00	.00	.00	1.99
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.11	.00	.00	.00	.00	.14
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1	0	4	3	14	24	56	39	42	40	10	5	9	3	1	0	0	251
(1)	.40	.00	1.59	1.20	5.58	9.56	22.31	15.54	16.73	15.94	3.98	1.99	3.59	1.20	.40	.00	.00	100.00
(2)	.03	.00	.11	.08	.38	.66	1.54	1.07	1.15	1.10	.27	.14	.25	.08	.03	.00	.00	6.90

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Table 2.3-60—{NMPNS 100 ft (30-m) 2001-2005 October JFD}

(Page 7 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 4.18

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.66	.00	.00	.00	.00	.00	.00	.00	.66
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	0	0	2	1	0	0	0	1	0	0	1	0	0	0	0	0	0	5
(1)	.00	.00	1.32	.66	.00	.00	.00	.66	.00	.00	.66	.00	.00	.00	.00	.00	.00	3.29
(2)	.00	.00	.05	.03	.00	.00	.00	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.14
1.1- 1.5	0	0	0	3	0	0	0	0	1	1	0	0	0	0	0	0	0	5
(1)	.00	.00	.00	1.97	.00	.00	.00	.00	.66	.66	.00	.00	.00	.00	.00	.00	.00	3.29
(2)	.00	.00	.00	.08	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.14
1.6- 2.0	0	0	0	2	1	0	2	0	2	0	1	0	0	0	0	0	0	8
(1)	.00	.00	.00	1.32	.66	.00	1.32	.00	1.32	.00	.66	.00	.00	.00	.00	.00	.00	5.26
(2)	.00	.00	.00	.05	.03	.00	.05	.00	.05	.00	.03	.00	.00	.00	.00	.00	.00	.22
2.1- 3.0	0	0	0	1	5	4	2	4	4	6	0	0	0	0	0	0	0	26
(1)	.00	.00	.00	.66	3.29	2.63	1.32	2.63	2.63	3.95	.00	.00	.00	.00	.00	.00	.00	17.11
(2)	.00	.00	.00	.03	.14	.11	.05	.11	.11	.16	.00	.00	.00	.00	.00	.00	.00	.71
3.1- 4.0	0	0	0	0	3	8	9	9	3	6	0	3	0	0	0	0	0	41
(1)	.00	.00	.00	.00	1.97	5.26	5.92	5.92	1.97	3.95	.00	1.97	.00	.00	.00	.00	.00	26.97
(2)	.00	.00	.00	.00	.08	.22	.25	.25	.08	.16	.00	.08	.00	.00	.00	.00	.00	1.13
4.1- 5.0	0	0	0	0	0	2	9	18	14	10	0	0	0	0	0	0	0	53
(1)	.00	.00	.00	.00	.00	1.32	5.92	11.84	9.21	6.58	.00	.00	.00	.00	.00	.00	.00	34.87
(2)	.00	.00	.00	.00	.00	.05	.25	.49	.38	.27	.00	.00	.00	.00	.00	.00	.00	1.46
5.1- 6.0	0	0	0	0	0	0	0	9	3	1	0	0	0	0	0	0	0	13
(1)	.00	.00	.00	.00	.00	.00	.00	5.92	1.97	.66	.00	.00	.00	.00	.00	.00	.00	8.55
(2)	.00	.00	.00	.00	.00	.00	.00	.25	.08	.03	.00	.00	.00	.00	.00	.00	.00	.36
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	2	7	9	14	22	41	27	25	2	3	0	0	0	0	0	152
(1)	.00	.00	1.32	4.61	5.92	9.21	14.47	26.97	17.76	16.45	1.32	1.97	.00	.00	.00	.00	.00	100.00
(2)	.00	.00	.05	.19	.25	.38	.60	1.13	.74	.69	.05	.08	.00	.00	.00	.00	.00	4.18

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Table 2.3-60—{NMPNS 100 ft (30-m) 2001-2005 October JFD}

(Page 8 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	2	0	11	4	3	2	2	2	2	2	2	2	3	1	3	1	0	42
(1)	.05	.00	.30	.11	.08	.05	.05	.05	.05	.05	.05	.05	.08	.03	.08	.03	.00	1.15
(2)	.05	.00	.30	.11	.08	.05	.05	.05	.05	.05	.05	.05	.08	.03	.08	.03	.00	1.15
1.1- 1.5	3	6	10	12	3	8	7	2	5	6	5	0	3	2	3	4	0	79
(1)	.08	.16	.27	.33	.08	.22	.19	.05	.14	.16	.14	.00	.08	.05	.08	.11	.00	2.17
(2)	.08	.16	.27	.33	.08	.22	.19	.05	.14	.16	.14	.00	.08	.05	.08	.11	.00	2.17
1.6- 2.0	6	4	20	23	8	16	10	5	5	5	2	2	2	7	5	4	0	124
(1)	.16	.11	.55	.63	.22	.44	.27	.14	.14	.14	.05	.05	.05	.19	.14	.11	.00	3.41
(2)	.16	.11	.55	.63	.22	.44	.27	.14	.14	.14	.05	.05	.05	.19	.14	.11	.00	3.41
2.1- 3.0	24	22	32	29	31	42	50	32	25	21	8	8	14	9	5	18	0	370
(1)	.66	.60	.88	.80	.85	1.15	1.37	.88	.69	.58	.22	.22	.38	.25	.14	.49	.00	10.16
(2)	.66	.60	.88	.80	.85	1.15	1.37	.88	.69	.58	.22	.22	.38	.25	.14	.49	.00	10.16
3.1- 4.0	26	24	38	14	22	76	71	47	64	51	23	19	6	11	8	10	0	510
(1)	.71	.66	1.04	.38	.60	2.09	1.95	1.29	1.76	1.40	.63	.52	.16	.30	.22	.27	.00	14.01
(2)	.71	.66	1.04	.38	.60	2.09	1.95	1.29	1.76	1.40	.63	.52	.16	.30	.22	.27	.00	14.01
4.1- 5.0	13	20	44	7	3	81	153	89	117	67	26	29	29	14	19	8	0	719
(1)	.36	.55	1.21	.19	.08	2.23	4.20	2.45	3.21	1.84	.71	.80	.80	.38	.52	.22	.00	19.75
(2)	.36	.55	1.21	.19	.08	2.23	4.20	2.45	3.21	1.84	.71	.80	.80	.38	.52	.22	.00	19.75
5.1- 6.0	16	22	19	1	3	49	110	89	112	48	25	23	20	22	17	16	0	592
(1)	.44	.60	.52	.03	.08	1.35	3.02	2.45	3.08	1.32	.69	.63	.55	.60	.47	.44	.00	16.26
(2)	.44	.60	.52	.03	.08	1.35	3.02	2.45	3.08	1.32	.69	.63	.55	.60	.47	.44	.00	16.26
6.1- 8.0	24	31	18	0	0	10	69	64	49	21	22	44	42	33	40	28	0	495
(1)	.66	.85	.49	.00	.00	.27	1.90	1.76	1.35	.58	.60	1.21	1.15	.91	1.10	.77	.00	13.60
(2)	.66	.85	.49	.00	.00	.27	1.90	1.76	1.35	.58	.60	1.21	1.15	.91	1.10	.77	.00	13.60
8.1-10.0	16	10	11	0	0	0	10	18	0	3	10	27	32	43	47	30	0	257
(1)	.44	.27	.30	.00	.00	.00	.27	.49	.00	.08	.27	.74	.88	1.18	1.29	.82	.00	7.06
(2)	.44	.27	.30	.00	.00	.00	.27	.49	.00	.08	.27	.74	.88	1.18	1.29	.82	.00	7.06
10.1-40.3	12	24	3	0	0	0	0	2	0	0	1	45	145	117	77	25	0	451
(1)	.33	.66	.08	.00	.00	.00	.00	.05	.00	.00	.03	1.24	3.98	3.21	2.12	.69	.00	12.39
(2)	.33	.66	.08	.00	.00	.00	.00	.05	.00	.00	.03	1.24	3.98	3.21	2.12	.69	.00	12.39
ALL SPEEDS	142	163	206	90	73	284	482	350	379	225	124	199	296	259	224	144	0	3640
(1)	3.90	4.48	5.66	2.47	2.01	7.80	13.24	9.62	10.41	6.18	3.41	5.47	8.13	7.12	6.15	3.96	.00	100.00
(2)	3.90	4.48	5.66	2.47	2.01	7.80	13.24	9.62	10.41	6.18	3.41	5.47	8.13	7.12	6.15	3.96	.00	100.00

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Table 2.3-61—{NMPNS 100 ft (30-m) 2001-2005 November JFD}

(Page 1 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 7.27

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	3	0	6
(1)	.40	.00	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	1.19	.00	2.37
(2)	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.09	.00	.17
3.1- 4.0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.79
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
4.1- 5.0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	4
(1)	.40	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.40	.00	1.58
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.11
5.1- 6.0	2	1	0	0	0	1	1	0	0	0	1	0	0	0	1	0	0	7
(1)	.79	.40	.00	.00	.00	.40	.40	.00	.00	.00	.40	.00	.00	.00	.40	.00	.00	2.77
(2)	.06	.03	.00	.00	.00	.03	.03	.00	.00	.00	.03	.00	.00	.00	.03	.00	.00	.20
6.1- 8.0	9	4	0	0	0	0	0	0	0	0	0	2	3	1	7	5	0	31
(1)	3.56	1.58	.00	.00	.00	.00	.00	.00	.00	.00	.00	.79	1.19	.40	2.77	1.98	.00	12.25
(2)	.26	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.09	.03	.20	.14	.00	.89
8.1-10.0	6	2	0	0	0	1	0	0	0	0	0	0	1	3	5	4	0	22
(1)	2.37	.79	.00	.00	.00	.40	.00	.00	.00	.00	.00	.00	.40	1.19	1.98	1.58	.00	8.70
(2)	.17	.06	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.09	.14	.11	.00	.63
10.1-40.3	17	0	0	0	0	0	0	0	0	0	0	13	18	61	58	14	0	181
(1)	6.72	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.14	7.11	24.11	22.92	5.53	.00	71.54
(2)	.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.37	.52	1.75	1.67	.40	.00	5.20
ALL SPEEDS	38	8	1	0	0	2	1	0	0	0	1	15	22	65	73	27	0	253
(1)	15.02	3.16	.40	.00	.00	.79	.40	.00	.00	.00	.40	5.93	8.70	25.69	28.85	10.67	.00	100.00
(2)	1.09	.23	.03	.00	.00	.06	.03	.00	.00	.00	.03	.43	.63	1.87	2.10	.78	.00	7.27

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Table 2.3-61—{NMPNS 100 ft (30-m) 2001-2005 November JFD}

(Page 2 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.49

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	2	0	0	4
(1)	.00	.00	.00	.00	.52	.00	.00	.00	.00	.00	.00	.52	.00	.00	1.05	.00	.00	2.09
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.06	.00	.00	.11
3.1- 4.0	0	2	0	0	0	2	0	0	0	1	0	0	0	1	0	1	0	7
(1)	.00	1.05	.00	.00	.00	1.05	.00	.00	.00	.52	.00	.00	.00	.52	.00	.52	.00	3.66
(2)	.00	.06	.00	.00	.00	.06	.00	.00	.00	.03	.00	.00	.00	.03	.00	.03	.00	.20
4.1- 5.0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	2	4	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	.00	.00	.00	1.57	1.05	2.09	.00	5.24
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.09	.06	.11	.00	.29
5.1- 6.0	0	1	0	0	0	0	0	0	0	2	0	1	0	3	4	6	0	17
(1)	.00	.52	.00	.00	.00	.00	.00	.00	.00	1.05	.00	.52	.00	1.57	2.09	3.14	.00	8.90
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.06	.00	.03	.00	.09	.11	.17	.00	.49
6.1- 8.0	4	4	1	0	0	0	2	1	0	0	0	0	1	4	7	7	0	31
(1)	2.09	2.09	.52	.00	.00	.00	1.05	.52	.00	.00	.00	.00	.52	2.09	3.66	3.66	.00	16.23
(2)	.11	.11	.03	.00	.00	.00	.06	.03	.00	.00	.00	.00	.03	.11	.20	.20	.00	.89
8.1-10.0	1	2	0	0	0	1	1	0	0	0	0	1	2	3	11	11	0	33
(1)	.52	1.05	.00	.00	.00	.52	.52	.00	.00	.00	.00	.52	1.05	1.57	5.76	5.76	.00	17.28
(2)	.03	.06	.00	.00	.00	.03	.03	.00	.00	.00	.00	.03	.06	.09	.32	.32	.00	.95
10.1-40.3	3	0	0	0	0	0	0	0	0	0	0	17	6	17	30	16	0	89
(1)	1.57	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.90	3.14	8.90	15.71	8.38	.00	46.60
(2)	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.49	.17	.49	.86	.46	.00	2.56
ALL SPEEDS	8	9	1	0	1	3	3	1	0	4	0	20	9	31	56	45	0	191
(1)	4.19	4.71	.52	.00	.52	1.57	1.57	.52	.00	2.09	.00	10.47	4.71	16.23	29.32	23.56	.00	100.00
(2)	.23	.26	.03	.00	.03	.09	.09	.03	.00	.11	.00	.57	.26	.89	1.61	1.29	.00	5.49

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Table 2.3-61—{NMPNS 100 ft (30-m) 2001-2005 November JFD}

(Page 3 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.21

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
2.1- 3.0	0	0	1	2	0	1	0	0	1	0	0	0	1	0	4	0	0	10
(1)	.00	.00	.40	.80	.00	.40	.00	.00	.40	.00	.00	.00	.40	.00	1.59	.00	.00	3.98
(2)	.00	.00	.03	.06	.00	.03	.00	.00	.03	.00	.00	.00	.03	.00	.11	.00	.00	.29
3.1- 4.0	0	0	0	0	0	2	0	0	2	2	0	2	2	1	0	1	0	12
(1)	.00	.00	.00	.00	.00	.80	.00	.00	.80	.80	.00	.80	.80	.40	.00	.40	.00	4.78
(2)	.00	.00	.00	.00	.00	.06	.00	.00	.06	.06	.00	.06	.06	.03	.00	.03	.00	.34
4.1- 5.0	1	1	0	0	0	0	0	5	1	1	0	2	1	0	0	1	0	13
(1)	.40	.40	.00	.00	.00	.00	.00	1.99	.40	.40	.00	.80	.40	.00	.00	.40	.00	5.18
(2)	.03	.03	.00	.00	.00	.00	.00	.14	.03	.03	.00	.06	.03	.00	.00	.03	.00	.37
5.1- 6.0	6	3	3	0	0	0	0	1	3	1	0	0	1	1	3	6	0	28
(1)	2.39	1.20	1.20	.00	.00	.00	.00	.40	1.20	.40	.00	.00	.40	.40	1.20	2.39	.00	11.16
(2)	.17	.09	.09	.00	.00	.00	.00	.03	.09	.03	.00	.00	.03	.03	.09	.17	.00	.80
6.1- 8.0	4	6	5	0	0	0	1	5	0	0	1	4	4	4	15	5	0	54
(1)	1.59	2.39	1.99	.00	.00	.00	.40	1.99	.00	.00	.40	1.59	1.59	1.59	5.98	1.99	.00	21.51
(2)	.11	.17	.14	.00	.00	.00	.03	.14	.00	.00	.03	.11	.11	.11	.43	.14	.00	1.55
8.1-10.0	0	2	0	0	0	0	3	0	0	0	0	2	8	12	16	12	0	55
(1)	.00	.80	.00	.00	.00	.00	1.20	.00	.00	.00	.00	.80	3.19	4.78	6.37	4.78	.00	21.91
(2)	.00	.06	.00	.00	.00	.00	.09	.00	.00	.00	.00	.06	.23	.34	.46	.34	.00	1.58
10.1-40.3	1	0	0	0	0	0	0	0	0	0	1	8	14	24	20	10	0	78
(1)	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	3.19	5.58	9.56	7.97	3.98	.00	31.08
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.23	.40	.69	.57	.29	.00	2.24
ALL SPEEDS	12	12	9	2	1	3	4	11	7	4	2	18	31	42	58	35	0	251
(1)	4.78	4.78	3.59	.80	.40	1.20	1.59	4.38	2.79	1.59	.80	7.17	12.35	16.73	23.11	13.94	.00	100.00
(2)	.34	.34	.26	.06	.03	.09	.11	.32	.20	.11	.06	.52	.89	1.21	1.67	1.01	.00	7.21

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Table 2.3-61—{NMPNS 100 ft (30-m) 2001-2005 November JFD}

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NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 49.41

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.06	.00	.00	.12
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.00	.00	.06
1.1- 1.5	1	3	1	2	1	1	2	0	1	1	1	1	0	1	0	0	0	16
(1)	.06	.17	.06	.12	.06	.06	.12	.00	.06	.06	.06	.06	.00	.06	.00	.00	.00	.93
(2)	.03	.09	.03	.06	.03	.03	.06	.00	.03	.03	.03	.03	.00	.03	.00	.00	.00	.46
1.6- 2.0	0	1	0	2	7	2	3	4	3	1	1	1	1	2	2	0	0	30
(1)	.00	.06	.00	.12	.41	.12	.17	.23	.17	.06	.06	.06	.06	.12	.12	.00	.00	1.75
(2)	.00	.03	.00	.06	.20	.06	.09	.11	.09	.03	.03	.03	.03	.06	.06	.00	.00	.86
2.1- 3.0	4	1	8	17	15	14	18	10	17	10	4	7	5	8	6	2	0	146
(1)	.23	.06	.47	.99	.87	.81	1.05	.58	.99	.58	.23	.41	.29	.47	.35	.12	.00	8.49
(2)	.11	.03	.23	.49	.43	.40	.52	.29	.49	.29	.11	.20	.14	.23	.17	.06	.00	4.20
3.1- 4.0	3	7	36	16	11	16	18	25	41	19	9	14	11	11	17	4	0	258
(1)	.17	.41	2.09	.93	.64	.93	1.05	1.45	2.39	1.11	.52	.81	.64	.64	.99	.23	.00	15.01
(2)	.09	.20	1.03	.46	.32	.46	.52	.72	1.18	.55	.26	.40	.32	.32	.49	.11	.00	7.42
4.1- 5.0	10	9	25	1	3	17	31	22	49	32	7	16	18	9	13	7	0	269
(1)	.58	.52	1.45	.06	.17	.99	1.80	1.28	2.85	1.86	.41	.93	1.05	.52	.76	.41	.00	15.65
(2)	.29	.26	.72	.03	.09	.49	.89	.63	1.41	.92	.20	.46	.52	.26	.37	.20	.00	7.73
5.1- 6.0	6	12	23	0	1	9	54	26	36	14	28	11	13	17	15	7	0	272
(1)	.35	.70	1.34	.00	.06	.52	3.14	1.51	2.09	.81	1.63	.64	.76	.99	.87	.41	.00	15.82
(2)	.17	.34	.66	.00	.03	.26	1.55	.75	1.03	.40	.80	.32	.37	.49	.43	.20	.00	7.82
6.1- 8.0	12	9	13	0	0	5	67	48	31	7	30	31	50	19	29	12	0	363
(1)	.70	.52	.76	.00	.00	.29	3.90	2.79	1.80	.41	1.75	1.80	2.91	1.11	1.69	.70	.00	21.12
(2)	.34	.26	.37	.00	.00	.14	1.93	1.38	.89	.20	.86	.89	1.44	.55	.83	.34	.00	10.43
8.1-10.0	2	2	0	0	0	2	23	12	6	0	12	20	35	36	18	3	0	171
(1)	.12	.12	.00	.00	.00	.12	1.34	.70	.35	.00	.70	1.16	2.04	2.09	1.05	.17	.00	9.95
(2)	.06	.06	.00	.00	.00	.06	.66	.34	.17	.00	.34	.57	1.01	1.03	.52	.09	.00	4.92
10.1-40.3	1	0	0	0	0	0	4	15	0	0	3	37	69	42	18	3	0	192
(1)	.06	.00	.00	.00	.00	.00	.23	.87	.00	.00	.17	2.15	4.01	2.44	1.05	.17	.00	11.17
(2)	.03	.00	.00	.00	.00	.00	.11	.43	.00	.00	.09	1.06	1.98	1.21	.52	.09	.00	5.52
ALL SPEEDS	39	44	106	38	38	66	220	162	184	84	96	138	202	145	119	38	0	1719
(1)	2.27	2.56	6.17	2.21	2.21	3.84	12.80	9.42	10.70	4.89	5.58	8.03	11.75	8.44	6.92	2.21	.00	100.00
(2)	1.12	1.26	3.05	1.09	1.09	1.90	6.32	4.66	5.29	2.41	2.76	3.97	5.81	4.17	3.42	1.09	.00	49.41

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Table 2.3-61—{NMPNS 100 ft (30-m) 2001-2005 November JFD}

(Page 5 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 25.61

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.11	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22
(2)	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
1.1- 1.5	2	2	0	1	4	0	3	0	2	0	0	1	0	0	1	1	0	17
(1)	.22	.22	.00	.11	.45	.00	.34	.00	.22	.00	.00	.11	.00	.00	.11	.11	.00	1.91
(2)	.06	.06	.00	.03	.11	.00	.09	.00	.06	.00	.00	.03	.00	.00	.03	.03	.00	.49
1.6- 2.0	0	0	0	2	2	1	4	3	2	0	3	2	1	1	0	0	0	21
(1)	.00	.00	.00	.22	.22	.11	.45	.34	.22	.00	.34	.22	.11	.11	.00	.00	.00	2.36
(2)	.00	.00	.00	.06	.06	.03	.11	.09	.06	.00	.09	.06	.03	.03	.00	.00	.00	.60
2.1- 3.0	2	0	2	8	8	17	11	18	8	9	3	1	0	1	1	0	0	89
(1)	.22	.00	.22	.90	.90	1.91	1.23	2.02	.90	1.01	.34	.11	.00	.11	.11	.00	.00	9.99
(2)	.06	.00	.06	.23	.23	.49	.32	.52	.23	.26	.09	.03	.00	.03	.03	.00	.00	2.56
3.1- 4.0	1	0	1	0	1	18	22	40	32	14	10	10	2	1	0	0	0	152
(1)	.11	.00	.11	.00	.11	2.02	2.47	4.49	3.59	1.57	1.12	1.12	.22	.11	.00	.00	.00	17.06
(2)	.03	.00	.03	.00	.03	.52	.63	1.15	.92	.40	.29	.29	.06	.03	.00	.00	.00	4.37
4.1- 5.0	0	1	0	0	0	8	43	38	72	36	18	11	2	0	0	0	0	229
(1)	.00	.11	.00	.00	.00	.90	4.83	4.26	8.08	4.04	2.02	1.23	.22	.00	.00	.00	.00	25.70
(2)	.00	.03	.00	.00	.00	.23	1.24	1.09	2.07	1.03	.52	.32	.06	.00	.00	.00	.00	6.58
5.1- 6.0	0	0	0	0	0	3	45	50	49	15	9	11	5	1	0	1	0	189
(1)	.00	.00	.00	.00	.00	.34	5.05	5.61	5.50	1.68	1.01	1.23	.56	.11	.00	.11	.00	21.21
(2)	.00	.00	.00	.00	.00	.09	1.29	1.44	1.41	.43	.26	.32	.14	.03	.00	.03	.00	5.43
6.1- 8.0	0	0	0	0	0	2	38	40	12	3	7	27	4	1	0	0	0	134
(1)	.00	.00	.00	.00	.00	.22	4.26	4.49	1.35	.34	.79	3.03	.45	.11	.00	.00	.00	15.04
(2)	.00	.00	.00	.00	.00	.06	1.09	1.15	.34	.09	.20	.78	.11	.03	.00	.00	.00	3.85
8.1-10.0	0	0	0	0	0	0	6	10	1	0	0	18	4	1	0	0	0	40
(1)	.00	.00	.00	.00	.00	.00	.67	1.12	.11	.00	.00	2.02	.45	.11	.00	.00	.00	4.49
(2)	.00	.00	.00	.00	.00	.00	.17	.29	.03	.00	.00	.52	.11	.03	.00	.00	.00	1.15
10.1-40.3	0	0	0	0	0	0	1	3	0	0	0	6	6	1	0	1	0	18
(1)	.00	.00	.00	.00	.00	.00	.11	.34	.00	.00	.00	.67	.67	.11	.00	.11	.00	2.02
(2)	.00	.00	.00	.00	.00	.00	.03	.09	.00	.00	.00	.17	.17	.03	.00	.03	.00	.52
ALL SPEEDS	5	3	3	11	16	49	174	202	178	77	50	87	24	7	2	3	0	891
(1)	.56	.34	.34	1.23	1.80	5.50	19.53	22.67	19.98	8.64	5.61	9.76	2.69	.79	.22	.34	.00	100.00
(2)	.14	.09	.09	.32	.46	1.41	5.00	5.81	5.12	2.21	1.44	2.50	.69	.20	.06	.09	.00	25.61

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Table 2.3-61—{NMPNS 100 ft (30-m) 2001-2005 November JFD}

(Page 6 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 3.59

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.80	.00	.00	.00	.00	.00	.80	.00	.00	.00	.00	.00	1.60
(2)	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.06
1.1- 1.5	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	4
(1)	.00	.00	.00	.80	.80	.00	.80	.80	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.20
(2)	.00	.00	.00	.03	.03	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
1.6- 2.0	0	0	0	2	3	0	0	1	1	0	0	0	1	0	0	0	0	8
(1)	.00	.00	.00	1.60	2.40	.00	.00	.80	.80	.00	.00	.00	.80	.00	.00	.00	.00	6.40
(2)	.00	.00	.00	.06	.09	.00	.00	.03	.03	.00	.00	.00	.03	.00	.00	.00	.00	.23
2.1- 3.0	0	0	0	0	3	6	2	4	1	1	0	2	1	1	0	0	0	21
(1)	.00	.00	.00	.00	2.40	4.80	1.60	3.20	.80	.80	.00	1.60	.80	.80	.00	.00	.00	16.80
(2)	.00	.00	.00	.00	.09	.17	.06	.11	.03	.03	.00	.06	.03	.03	.00	.00	.00	.60
3.1- 4.0	0	0	0	0	1	4	4	9	7	4	3	0	0	0	0	1	0	33
(1)	.00	.00	.00	.00	.80	3.20	3.20	7.20	5.60	3.20	2.40	.00	.00	.00	.00	.80	.00	26.40
(2)	.00	.00	.00	.00	.03	.11	.11	.26	.20	.11	.09	.00	.00	.00	.00	.03	.00	.95
4.1- 5.0	0	0	0	0	1	1	4	16	11	10	1	0	0	0	0	0	0	44
(1)	.00	.00	.00	.00	.80	.80	3.20	12.80	8.80	8.00	.80	.00	.00	.00	.00	.00	.00	35.20
(2)	.00	.00	.00	.00	.03	.03	.11	.46	.32	.29	.03	.00	.00	.00	.00	.00	.00	1.26
5.1- 6.0	0	0	0	0	0	0	0	9	1	0	0	0	1	1	0	0	0	12
(1)	.00	.00	.00	.00	.00	.00	.00	7.20	.80	.00	.00	.00	.80	.80	.00	.00	.00	9.60
(2)	.00	.00	.00	.00	.00	.00	.00	.26	.03	.00	.00	.00	.03	.03	.00	.00	.00	.34
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.80	.00	.00	.00	.00	.00	.80
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	3	9	12	11	40	21	15	4	4	3	2	0	1	0	125
(1)	.00	.00	.00	2.40	7.20	9.60	8.80	32.00	16.80	12.00	3.20	3.20	2.40	1.60	.00	.80	.00	100.00
(2)	.00	.00	.00	.09	.26	.34	.32	1.15	.60	.43	.11	.11	.09	.06	.00	.03	.00	3.59

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Table 2.3-61—{NMPNS 100 ft (30-m) 2001-2005 November JFD}

(Page 7 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.41

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.04	.00	.00	.00	.00	.00	.00	2.04
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	0	0	1	0	0	0	1	0	0	0	0	0	2	0	0	0	4
(1)	.00	.00	.00	2.04	.00	.00	.00	2.04	.00	.00	.00	.00	.00	4.08	.00	.00	.00	8.16
(2)	.00	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.06	.00	.00	.00	.11
1.6- 2.0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	4.08	.00	.00	2.04	.00	.00	.00	.00	.00	.00	.00	.00	6.12
(2)	.00	.00	.00	.00	.00	.06	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.09
2.1- 3.0	0	0	0	0	1	2	2	0	1	2	0	0	0	0	0	0	0	8
(1)	.00	.00	.00	.00	2.04	4.08	4.08	.00	2.04	4.08	.00	.00	.00	.00	.00	.00	.00	16.33
(2)	.00	.00	.00	.00	.03	.06	.06	.00	.03	.06	.00	.00	.00	.00	.00	.00	.00	.23
3.1- 4.0	0	0	0	0	0	0	2	0	7	5	0	0	0	0	0	0	0	14
(1)	.00	.00	.00	.00	.00	.00	4.08	.00	14.29	10.20	.00	.00	.00	.00	.00	.00	.00	28.57
(2)	.00	.00	.00	.00	.00	.00	.06	.00	.20	.14	.00	.00	.00	.00	.00	.00	.00	.40
4.1- 5.0	0	0	0	0	0	0	0	1	8	9	0	0	0	0	0	0	0	18
(1)	.00	.00	.00	.00	.00	.00	.00	2.04	16.33	18.37	.00	.00	.00	.00	.00	.00	.00	36.73
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.23	.26	.00	.00	.00	.00	.00	.00	.00	.52
5.1- 6.0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	2.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.04
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	1	1	4	4	3	17	16	1	0	0	2	0	0	0	49
(1)	.00	.00	.00	2.04	2.04	8.16	8.16	6.12	34.69	32.65	2.04	.00	.00	4.08	.00	.00	.00	100.00
(2)	.00	.00	.00	.03	.03	.11	.11	.09	.49	.46	.03	.00	.00	.06	.00	.00	.00	1.41

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Table 2.3-61—{NMPNS 100 ft (30-m) 2001-2005 November JFD}

(Page 8 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	1	1	1	0	0	0	2	1	0	0	1	0	0	7
(1)	.00	.00	.00	.00	.03	.03	.03	.00	.00	.00	.06	.03	.00	.00	.03	.00	.00	.20
(2)	.00	.00	.00	.00	.03	.03	.03	.00	.00	.00	.06	.03	.00	.00	.03	.00	.00	.20
1.1- 1.5	3	5	1	5	6	1	6	2	3	1	1	2	0	3	1	1	0	41
(1)	.09	.14	.03	.14	.17	.03	.17	.06	.09	.03	.03	.06	.00	.09	.03	.03	.00	1.18
(2)	.09	.14	.03	.14	.17	.03	.17	.06	.09	.03	.03	.06	.00	.09	.03	.03	.00	1.18
1.6- 2.0	0	1	0	6	13	5	7	8	7	1	4	3	3	3	2	0	0	63
(1)	.00	.03	.00	.17	.37	.14	.20	.23	.20	.03	.11	.09	.09	.09	.06	.00	.00	1.81
(2)	.00	.03	.00	.17	.37	.14	.20	.23	.20	.03	.11	.09	.09	.09	.06	.00	.00	1.81
2.1- 3.0	7	1	12	27	28	40	33	32	28	22	7	11	7	10	14	5	0	284
(1)	.20	.03	.34	.78	.80	1.15	.95	.92	.80	.63	.20	.32	.20	.29	.40	.14	.00	8.16
(2)	.20	.03	.34	.78	.80	1.15	.95	.92	.80	.63	.20	.32	.20	.29	.40	.14	.00	8.16
3.1- 4.0	6	9	37	16	13	42	46	74	89	45	22	26	15	14	17	7	0	478
(1)	.17	.26	1.06	.46	.37	1.21	1.32	2.13	2.56	1.29	.63	.75	.43	.40	.49	.20	.00	13.74
(2)	.17	.26	1.06	.46	.37	1.21	1.32	2.13	2.56	1.29	.63	.75	.43	.40	.49	.20	.00	13.74
4.1- 5.0	12	12	25	1	4	26	78	82	141	89	26	29	21	12	16	13	0	587
(1)	.34	.34	.72	.03	.11	.75	2.24	2.36	4.05	2.56	.75	.83	.60	.34	.46	.37	.00	16.87
(2)	.34	.34	.72	.03	.11	.75	2.24	2.36	4.05	2.56	.75	.83	.60	.34	.46	.37	.00	16.87
5.1- 6.0	14	17	26	0	1	13	100	87	89	32	38	23	20	23	23	20	0	526
(1)	.40	.49	.75	.00	.03	.37	2.87	2.50	2.56	.92	1.09	.66	.57	.66	.66	.57	.00	15.12
(2)	.40	.49	.75	.00	.03	.37	2.87	2.50	2.56	.92	1.09	.66	.57	.66	.66	.57	.00	15.12
6.1- 8.0	29	23	19	0	0	7	108	94	43	10	38	65	62	29	58	29	0	614
(1)	.83	.66	.55	.00	.00	.20	3.10	2.70	1.24	.29	1.09	1.87	1.78	.83	1.67	.83	.00	17.65
(2)	.83	.66	.55	.00	.00	.20	3.10	2.70	1.24	.29	1.09	1.87	1.78	.83	1.67	.83	.00	17.65
8.1-10.0	9	8	0	0	0	4	33	22	7	0	12	41	50	55	50	30	0	321
(1)	.26	.23	.00	.00	.00	.11	.95	.63	.20	.00	.34	1.18	1.44	1.58	1.44	.86	.00	9.23
(2)	.26	.23	.00	.00	.00	.11	.95	.63	.20	.00	.34	1.18	1.44	1.58	1.44	.86	.00	9.23
10.1-40.3	22	0	0	0	0	0	5	18	0	0	4	81	113	145	126	44	0	558
(1)	.63	.00	.00	.00	.00	.00	.14	.52	.00	.00	.11	2.33	3.25	4.17	3.62	1.26	.00	16.04
(2)	.63	.00	.00	.00	.00	.00	.14	.52	.00	.00	.11	2.33	3.25	4.17	3.62	1.26	.00	16.04
ALL SPEEDS	102	76	120	55	66	139	417	419	407	200	154	282	291	294	308	149	0	3479
(1)	2.93	2.18	3.45	1.58	1.90	4.00	11.99	12.04	11.70	5.75	4.43	8.11	8.36	8.45	8.85	4.28	.00	100.00
(2)	2.93	2.18	3.45	1.58	1.90	4.00	11.99	12.04	11.70	5.75	4.43	8.11	8.36	8.45	8.85	4.28	.00	100.00

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Table 2.3-62—{NMPNS 100 ft (30-m) 2001-2005 December JFD}

(Page 1 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 5.36

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
(1)	.00	.00	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	.00	.00	1.01
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.05
3.1- 4.0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.50	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.01
(2)	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
4.1- 5.0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
5.1- 6.0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	4
(1)	.50	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	.50	.00	2.01
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.11
6.1- 8.0	7	2	0	0	0	0	0	0	1	0	0	0	0	0	7	8	0	25
(1)	3.52	1.01	.00	.00	.00	.00	.00	.00	.50	.00	.00	.00	.00	.00	3.52	4.02	.00	12.56
(2)	.19	.05	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.19	.22	.00	.67
8.1-10.0	24	1	0	0	0	0	0	0	0	0	0	0	0	8	14	16	0	63
(1)	12.06	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.02	7.04	8.04	.00	31.66
(2)	.65	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.38	.43	.00	1.70
10.1-40.3	17	2	0	0	0	0	0	0	0	0	0	3	9	37	27	7	0	102
(1)	8.54	1.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.51	4.52	18.59	13.57	3.52	.00	51.26
(2)	.46	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.24	1.00	.73	.19	.00	2.75
ALL SPEEDS	49	7	3	0	0	0	0	0	1	0	0	3	9	45	50	32	0	199
(1)	24.62	3.52	1.51	.00	.00	.00	.00	.00	.50	.00	.00	1.51	4.52	22.61	25.13	16.08	.00	100.00
(2)	1.32	.19	.08	.00	.00	.00	.00	.00	.03	.00	.00	.08	.24	1.21	1.35	.86	.00	5.36

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Table 2.3-62—{NMPNS 100 ft (30-m) 2001-2005 December JFD}

(Page 2 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.68

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	4
(1)	.00	.00	.57	.57	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	.57	.00	.00	2.30
(2)	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.11
3.1- 4.0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2
(1)	.00	.00	.00	.00	.00	.57	.00	.00	.00	.00	.00	.00	.00	.00	.57	.00	.00	1.15
(2)	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.05
4.1- 5.0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	3	0	0	6
(1)	.00	.00	1.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	1.72	.00	.00	3.45
(2)	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.00	.00	.16
5.1- 6.0	3	2	0	0	0	0	2	0	0	0	0	0	0	0	9	2	0	18
(1)	1.72	1.15	.00	.00	.00	.00	1.15	.00	.00	.00	.00	.00	.00	.00	5.17	1.15	.00	10.34
(2)	.08	.05	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.24	.05	.00	.48
6.1- 8.0	6	2	0	0	0	0	0	0	0	0	0	0	0	3	7	6	0	24
(1)	3.45	1.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.72	4.02	3.45	.00	13.79
(2)	.16	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.19	.16	.00	.65
8.1-10.0	7	7	0	0	0	0	0	0	0	0	0	0	0	3	16	10	0	43
(1)	4.02	4.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.72	9.20	5.75	.00	24.71
(2)	.19	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.43	.27	.00	1.16
10.1-40.3	4	5	0	0	0	0	0	0	0	0	0	12	1	16	34	5	0	77
(1)	2.30	2.87	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.90	.57	9.20	19.54	2.87	.00	44.25
(2)	.11	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.32	.03	.43	.92	.13	.00	2.07
ALL SPEEDS	20	16	3	1	0	1	2	0	0	0	0	12	1	24	71	23	0	174
(1)	11.49	9.20	1.72	.57	.00	.57	1.15	.00	.00	.00	.00	6.90	.57	13.79	40.80	13.22	.00	100.00
(2)	.54	.43	.08	.03	.00	.03	.05	.00	.00	.00	.00	.32	.03	.65	1.91	.62	.00	4.68

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Table 2.3-62—{NMPNS 100 ft (30-m) 2001-2005 December JFD}

(Page 3 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.29

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	1	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	5
(1)	.00	.37	.37	.00	.37	.00	.37	.00	.00	.00	.00	.00	.37	.00	.00	.00	.00	1.85
(2)	.00	.03	.03	.00	.03	.00	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.13
3.1- 4.0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
(1)	.00	.00	1.48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.48
(2)	.00	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
4.1- 5.0	1	1	0	0	0	1	1	0	0	0	1	0	1	0	1	1	0	8
(1)	.37	.37	.00	.00	.00	.37	.37	.00	.00	.00	.37	.00	.37	.00	.37	.37	.00	2.95
(2)	.03	.03	.00	.00	.00	.03	.03	.00	.00	.00	.03	.00	.03	.00	.03	.03	.00	.22
5.1- 6.0	2	2	1	0	0	0	0	0	1	1	1	1	1	2	3	5	0	20
(1)	.74	.74	.37	.00	.00	.00	.00	.00	.37	.37	.37	.37	.37	.74	1.11	1.85	.00	7.38
(2)	.05	.05	.03	.00	.00	.00	.00	.00	.03	.03	.03	.03	.03	.05	.08	.13	.00	.54
6.1- 8.0	12	6	2	0	0	1	0	1	0	0	0	3	1	6	30	15	0	77
(1)	4.43	2.21	.74	.00	.00	.37	.00	.37	.00	.00	.00	1.11	.37	2.21	11.07	5.54	.00	28.41
(2)	.32	.16	.05	.00	.00	.03	.00	.03	.00	.00	.00	.08	.03	.16	.81	.40	.00	2.07
8.1-10.0	0	8	3	0	0	0	0	0	1	0	0	4	1	6	11	12	0	46
(1)	.00	2.95	1.11	.00	.00	.00	.00	.00	.37	.00	.00	1.48	.37	2.21	4.06	4.43	.00	16.97
(2)	.00	.22	.08	.00	.00	.00	.00	.00	.03	.00	.00	.11	.03	.16	.30	.32	.00	1.24
10.1-40.3	3	15	0	0	0	0	0	0	0	0	0	31	16	23	18	5	0	111
(1)	1.11	5.54	.00	.00	.00	.00	.00	.00	.00	.00	.00	11.44	5.90	8.49	6.64	1.85	.00	40.96
(2)	.08	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.83	.43	.62	.48	.13	.00	2.99
ALL SPEEDS	18	33	11	0	1	2	2	1	2	1	2	39	21	37	63	38	0	271
(1)	6.64	12.18	4.06	.00	.37	.74	.74	.37	.74	.37	.74	14.39	7.75	13.65	23.25	14.02	.00	100.00
(2)	.48	.89	.30	.00	.03	.05	.05	.03	.05	.03	.05	1.05	.57	1.00	1.70	1.02	.00	7.29

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Table 2.3-62—{NMPNS 100 ft (30-m) 2001-2005 December JFD}

(Page 4 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 57.63

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.09	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14
(2)	.00	.00	.00	.05	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
1.1- 1.5	0	0	2	1	3	1	4	3	0	0	0	0	0	1	0	0	0	15
(1)	.00	.00	.09	.05	.14	.05	.19	.14	.00	.00	.00	.00	.00	.05	.00	.00	.00	.70
(2)	.00	.00	.05	.03	.08	.03	.11	.08	.00	.00	.00	.00	.00	.03	.00	.00	.00	.40
1.6- 2.0	2	0	3	6	11	7	6	7	1	0	1	1	0	0	1	1	0	47
(1)	.09	.00	.14	.28	.51	.33	.28	.33	.05	.00	.05	.05	.00	.00	.05	.05	.00	2.20
(2)	.05	.00	.08	.16	.30	.19	.16	.19	.03	.00	.03	.03	.00	.00	.03	.03	.00	1.27
2.1- 3.0	1	7	21	20	28	31	29	21	21	8	4	4	6	4	5	3	0	213
(1)	.05	.33	.98	.93	1.31	1.45	1.35	.98	.98	.37	.19	.19	.28	.19	.23	.14	.00	9.95
(2)	.03	.19	.57	.54	.75	.83	.78	.57	.57	.22	.11	.11	.16	.11	.13	.08	.00	5.73
3.1- 4.0	3	10	26	7	16	53	33	27	43	63	12	3	3	8	13	10	0	330
(1)	.14	.47	1.21	.33	.75	2.48	1.54	1.26	2.01	2.94	.56	.14	.14	.37	.61	.47	.00	15.41
(2)	.08	.27	.70	.19	.43	1.43	.89	.73	1.16	1.70	.32	.08	.08	.22	.35	.27	.00	8.88
4.1- 5.0	4	21	17	1	9	27	57	15	54	98	34	2	5	9	8	12	0	373
(1)	.19	.98	.79	.05	.42	1.26	2.66	.70	2.52	4.58	1.59	.09	.23	.42	.37	.56	.00	17.42
(2)	.11	.57	.46	.03	.24	.73	1.53	.40	1.45	2.64	.92	.05	.13	.24	.22	.32	.00	10.04
5.1- 6.0	11	2	7	0	4	28	58	21	31	60	48	10	7	13	17	18	0	335
(1)	.51	.09	.33	.00	.19	1.31	2.71	.98	1.45	2.80	2.24	.47	.33	.61	.79	.84	.00	15.65
(2)	.30	.05	.19	.00	.11	.75	1.56	.57	.83	1.62	1.29	.27	.19	.35	.46	.48	.00	9.02
6.1- 8.0	8	9	9	0	0	15	58	23	18	21	65	17	9	12	22	17	0	303
(1)	.37	.42	.42	.00	.00	.70	2.71	1.07	.84	.98	3.04	.79	.42	.56	1.03	.79	.00	14.15
(2)	.22	.24	.24	.00	.00	.40	1.56	.62	.48	.57	1.75	.46	.24	.32	.59	.46	.00	8.16
8.1-10.0	0	8	0	0	0	4	7	3	1	0	21	37	31	17	30	12	0	171
(1)	.00	.37	.00	.00	.00	.19	.33	.14	.05	.00	.98	1.73	1.45	.79	1.40	.56	.00	7.99
(2)	.00	.22	.00	.00	.00	.11	.19	.08	.03	.00	.57	1.00	.83	.46	.81	.32	.00	4.60
10.1-40.3	5	5	0	0	0	0	4	0	0	0	2	100	103	82	41	9	0	351
(1)	.23	.23	.00	.00	.00	.00	.19	.00	.00	.00	.09	4.67	4.81	3.83	1.91	.42	.00	16.39
(2)	.13	.13	.00	.00	.00	.00	.11	.00	.00	.00	.05	2.69	2.77	2.21	1.10	.24	.00	9.45
ALL SPEEDS	34	62	85	37	71	166	256	121	169	250	187	174	164	146	137	82	0	2141
(1)	1.59	2.90	3.97	1.73	3.32	7.75	11.96	5.65	7.89	11.68	8.73	8.13	7.66	6.82	6.40	3.83	.00	100.00
(2)	.92	1.67	2.29	1.00	1.91	4.47	6.89	3.26	4.55	6.73	5.03	4.68	4.41	3.93	3.69	2.21	.00	57.63

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Table 2.3-62—{NMPNS 100 ft (30-m) 2001-2005 December JFD}

(Page 5 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 21.97

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	2	1	1	1	0	0	0	1	1	0	0	0	0	0	0	8
(1)	.12	.00	.25	.12	.12	.12	.00	.00	.00	.12	.12	.00	.00	.00	.00	.00	.00	.98
(2)	.03	.00	.05	.03	.03	.03	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.22
1.1- 1.5	0	1	0	1	2	3	2	0	0	1	0	0	0	0	1	0	0	11
(1)	.00	.12	.00	.12	.25	.37	.25	.00	.00	.12	.00	.00	.00	.00	.12	.00	.00	1.35
(2)	.00	.03	.00	.03	.05	.08	.05	.00	.00	.03	.00	.00	.00	.00	.03	.00	.00	.30
1.6- 2.0	0	1	3	3	4	2	3	1	1	1	1	1	0	0	1	1	0	23
(1)	.00	.12	.37	.37	.49	.25	.37	.12	.12	.12	.12	.12	.00	.00	.12	.12	.00	2.82
(2)	.00	.03	.08	.08	.11	.05	.08	.03	.03	.03	.03	.03	.00	.00	.03	.03	.00	.62
2.1- 3.0	1	2	5	5	15	8	5	7	7	6	1	2	1	0	0	1	0	66
(1)	.12	.25	.61	.61	1.84	.98	.61	.86	.86	.74	.12	.25	.12	.00	.00	.12	.00	8.09
(2)	.03	.05	.13	.13	.40	.22	.13	.19	.19	.16	.03	.05	.03	.00	.00	.03	.00	1.78
3.1- 4.0	2	0	1	1	8	23	34	18	15	17	6	2	2	1	0	0	0	130
(1)	.25	.00	.12	.12	.98	2.82	4.17	2.21	1.84	2.08	.74	.25	.25	.12	.00	.00	.00	15.93
(2)	.05	.00	.03	.03	.22	.62	.92	.48	.40	.46	.16	.05	.05	.03	.00	.00	.00	3.50
4.1- 5.0	0	1	1	0	0	19	49	43	54	20	6	10	1	0	1	0	0	205
(1)	.00	.12	.12	.00	.00	2.33	6.00	5.27	6.62	2.45	.74	1.23	.12	.00	.12	.00	.00	25.12
(2)	.00	.03	.03	.00	.00	.51	1.32	1.16	1.45	.54	.16	.27	.03	.00	.03	.00	.00	5.52
5.1- 6.0	0	0	0	0	0	6	47	43	34	13	9	4	0	0	0	0	0	156
(1)	.00	.00	.00	.00	.00	.74	5.76	5.27	4.17	1.59	1.10	.49	.00	.00	.00	.00	.00	19.12
(2)	.00	.00	.00	.00	.00	.16	1.27	1.16	.92	.35	.24	.11	.00	.00	.00	.00	.00	4.20
6.1- 8.0	0	0	0	0	0	4	37	36	19	5	3	14	5	3	1	0	0	127
(1)	.00	.00	.00	.00	.00	.49	4.53	4.41	2.33	.61	.37	1.72	.61	.37	.12	.00	.00	15.56
(2)	.00	.00	.00	.00	.00	.11	1.00	.97	.51	.13	.08	.38	.13	.08	.03	.00	.00	3.42
8.1-10.0	0	0	0	0	0	0	7	3	0	0	1	12	14	2	2	0	0	41
(1)	.00	.00	.00	.00	.00	.00	.86	.37	.00	.00	.12	1.47	1.72	.25	.25	.00	.00	5.02
(2)	.00	.00	.00	.00	.00	.00	.19	.08	.00	.00	.03	.32	.38	.05	.05	.00	.00	1.10
10.1-40.3	0	0	0	0	0	0	2	1	0	0	0	16	21	7	2	0	0	49
(1)	.00	.00	.00	.00	.00	.00	.25	.12	.00	.00	.00	1.96	2.57	.86	.25	.00	.00	6.00
(2)	.00	.00	.00	.00	.00	.00	.05	.03	.00	.00	.00	.43	.57	.19	.05	.00	.00	1.32
ALL SPEEDS	4	5	12	11	30	66	186	152	130	64	28	61	44	13	8	2	0	816
(1)	.49	.61	1.47	1.35	3.68	8.09	22.79	18.63	15.93	7.84	3.43	7.48	5.39	1.59	.98	.25	.00	100.00
(2)	.11	.13	.32	.30	.81	1.78	5.01	4.09	3.50	1.72	.75	1.64	1.18	.35	.22	.05	.00	21.97

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Table 2.3-62—{NMPNS 100 ft (30-m) 2001-2005 December JFD}

(Page 6 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 2.23

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.20	.00	.00	.00	.00	.00	1.20
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
1.6- 2.0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
(1)	.00	.00	1.20	.00	.00	.00	.00	.00	.00	1.20	.00	.00	.00	.00	.00	.00	.00	2.41
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.05
2.1- 3.0	0	0	0	0	0	3	1	4	2	0	2	1	1	0	0	0	0	14
(1)	.00	.00	.00	.00	.00	3.61	1.20	4.82	2.41	.00	2.41	1.20	1.20	.00	.00	.00	.00	16.87
(2)	.00	.00	.00	.00	.00	.08	.03	.11	.05	.00	.05	.03	.03	.00	.00	.00	.00	.38
3.1- 4.0	0	0	0	0	0	7	5	12	7	6	1	2	0	0	0	0	0	40
(1)	.00	.00	.00	.00	.00	8.43	6.02	14.46	8.43	7.23	1.20	2.41	.00	.00	.00	.00	.00	48.19
(2)	.00	.00	.00	.00	.00	.19	.13	.32	.19	.16	.03	.05	.00	.00	.00	.00	.00	1.08
4.1- 5.0	0	0	0	0	0	0	5	10	1	2	1	1	0	0	0	0	0	20
(1)	.00	.00	.00	.00	.00	.00	6.02	12.05	1.20	2.41	1.20	1.20	.00	.00	.00	.00	.00	24.10
(2)	.00	.00	.00	.00	.00	.00	.13	.27	.03	.05	.03	.03	.00	.00	.00	.00	.00	.54
5.1- 6.0	0	0	0	0	0	0	2	1	0	0	0	1	0	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	2.41	1.20	.00	.00	.00	1.20	.00	.00	.00	.00	.00	4.82
(2)	.00	.00	.00	.00	.00	.00	.05	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.11
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.20	.00	.00	.00	.00	.00	1.20
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.20	.00	.00	.00	.00	.00	1.20
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
ALL SPEEDS	0	0	1	0	0	10	13	27	10	9	4	8	1	0	0	0	0	83
(1)	.00	.00	1.20	.00	.00	12.05	15.66	32.53	12.05	10.84	4.82	9.64	1.20	.00	.00	.00	.00	100.00
(2)	.00	.00	.03	.00	.00	.27	.35	.73	.27	.24	.11	.22	.03	.00	.00	.00	.00	2.23

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Table 2.3-62—{NMPNS 100 ft (30-m) 2001-2005 December JFD}

(Page 7 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = .83

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	3.23	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.23
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	3.23	3.23	.00	.00	.00	.00	.00	.00	.00	.00	6.45
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.05
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	0	0	0	0	1	1	3	1	1	0	0	0	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	3.23	3.23	9.68	3.23	3.23	.00	.00	.00	.00	.00	.00	.00	22.58
(2)	.00	.00	.00	.00	.00	.03	.03	.08	.03	.03	.00	.00	.00	.00	.00	.00	.00	.19
3.1- 4.0	0	0	0	0	0	0	1	3	2	3	1	0	0	0	0	0	0	10
(1)	.00	.00	.00	.00	.00	.00	3.23	9.68	6.45	9.68	3.23	.00	.00	.00	.00	.00	.00	32.26
(2)	.00	.00	.00	.00	.00	.00	.03	.08	.05	.08	.03	.00	.00	.00	.00	.00	.00	.27
4.1- 5.0	0	0	0	0	0	0	3	7	1	0	0	0	0	0	0	0	0	11
(1)	.00	.00	.00	.00	.00	.00	9.68	22.58	3.23	.00	.00	.00	.00	.00	.00	.00	.00	35.48
(2)	.00	.00	.00	.00	.00	.00	.08	.19	.03	.00	.00	.00	.00	.00	.00	.00	.00	.30
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6.1- 8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	0	0	1	5	15	5	4	1	0	0	0	0	0	0	31
(1)	.00	.00	.00	.00	.00	3.23	16.13	48.39	16.13	12.90	3.23	.00	.00	.00	.00	.00	.00	100.00
(2)	.00	.00	.00	.00	.00	.03	.13	.40	.13	.11	.03	.00	.00	.00	.00	.00	.00	.83

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Table 2.3-62—{NMPNS 100 ft (30-m) 2001-2005 December JFD}

(Page 8 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

100.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	2	3	1	1	0	2	0	1	1	0	0	0	0	0	0	12
(1)	.03	.00	.05	.08	.03	.03	.00	.05	.00	.03	.03	.00	.00	.00	.00	.00	.00	.32
(2)	.03	.00	.05	.08	.03	.03	.00	.05	.00	.03	.03	.00	.00	.00	.00	.00	.00	.32
1.1- 1.5	0	1	2	2	5	4	6	4	1	1	0	1	0	1	1	0	0	29
(1)	.00	.03	.05	.05	.13	.11	.16	.11	.03	.03	.00	.03	.00	.03	.03	.00	.00	.78
(2)	.00	.03	.05	.05	.13	.11	.16	.11	.03	.03	.00	.03	.00	.03	.03	.00	.00	.78
1.6- 2.0	2	1	7	9	15	9	9	8	2	2	2	2	0	0	2	2	0	72
(1)	.05	.03	.19	.24	.40	.24	.24	.22	.05	.05	.05	.05	.00	.00	.05	.05	.00	1.94
(2)	.05	.03	.19	.24	.40	.24	.24	.22	.05	.05	.05	.05	.00	.00	.05	.05	.00	1.94
2.1- 3.0	2	10	29	26	44	43	37	35	31	15	7	7	9	5	7	4	0	311
(1)	.05	.27	.78	.70	1.18	1.16	1.00	.94	.83	.40	.19	.19	.24	.13	.19	.11	.00	8.37
(2)	.05	.27	.78	.70	1.18	1.16	1.00	.94	.83	.40	.19	.19	.24	.13	.19	.11	.00	8.37
3.1- 4.0	5	11	32	8	24	84	73	60	67	89	20	7	5	9	14	10	0	518
(1)	.13	.30	.86	.22	.65	2.26	1.97	1.62	1.80	2.40	.54	.19	.13	.24	.38	.27	.00	13.94
(2)	.13	.30	.86	.22	.65	2.26	1.97	1.62	1.80	2.40	.54	.19	.13	.24	.38	.27	.00	13.94
4.1- 5.0	5	23	21	1	9	47	115	75	110	120	42	13	7	10	13	13	0	624
(1)	.13	.62	.57	.03	.24	1.27	3.10	2.02	2.96	3.23	1.13	.35	.19	.27	.35	.35	.00	16.80
(2)	.13	.62	.57	.03	.24	1.27	3.10	2.02	2.96	3.23	1.13	.35	.19	.27	.35	.35	.00	16.80
5.1- 6.0	17	7	8	0	4	34	109	65	66	74	58	16	8	15	30	26	0	537
(1)	.46	.19	.22	.00	.11	.92	2.93	1.75	1.78	1.99	1.56	.43	.22	.40	.81	.70	.00	14.45
(2)	.46	.19	.22	.00	.11	.92	2.93	1.75	1.78	1.99	1.56	.43	.22	.40	.81	.70	.00	14.45
6.1- 8.0	33	19	11	0	0	20	95	60	38	26	68	35	15	24	67	46	0	557
(1)	.89	.51	.30	.00	.00	.54	2.56	1.62	1.02	.70	1.83	.94	.40	.65	1.80	1.24	.00	14.99
(2)	.89	.51	.30	.00	.00	.54	2.56	1.62	1.02	.70	1.83	.94	.40	.65	1.80	1.24	.00	14.99
8.1-10.0	31	24	3	0	0	4	14	6	2	0	22	53	46	36	73	50	0	364
(1)	.83	.65	.08	.00	.00	.11	.38	.16	.05	.00	.59	1.43	1.24	.97	1.97	1.35	.00	9.80
(2)	.83	.65	.08	.00	.00	.11	.38	.16	.05	.00	.59	1.43	1.24	.97	1.97	1.35	.00	9.80
10.1-40.3	29	27	0	0	0	0	6	1	0	0	2	163	150	165	122	26	0	691
(1)	.78	.73	.00	.00	.00	.00	.16	.03	.00	.00	.05	4.39	4.04	4.44	3.28	.70	.00	18.60
(2)	.78	.73	.00	.00	.00	.00	.16	.03	.00	.00	.05	4.39	4.04	4.44	3.28	.70	.00	18.60
ALL SPEEDS	125	123	115	49	102	246	464	316	317	328	222	297	240	265	329	177	0	3715
(1)	3.36	3.31	3.10	1.32	2.75	6.62	12.49	8.51	8.53	8.83	5.98	7.99	6.46	7.13	8.86	4.76	.00	100.00
(2)	3.36	3.31	3.10	1.32	2.75	6.62	12.49	8.51	8.53	8.83	5.98	7.99	6.46	7.13	8.86	4.76	.00	100.00

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Table 2.3-63—{NMPNS 200 ft (61-m) 2001-2005 January JFD}

(Page 1 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 9.02

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.33	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
2.1- 3.0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.33	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33
(2)	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
3.1- 4.0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3
(1)	.00	.66	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33	.00	.00	.99
(2)	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.09
4.1- 5.0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5
(1)	.33	.33	.66	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33	.00	1.65
(2)	.03	.03	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.15
5.1- 6.0	6	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	9
(1)	1.98	.00	.33	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33	.00	.33	.00	2.97
(2)	.18	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.27
6.1- 8.0	6	3	1	0	0	0	0	0	0	0	0	0	0	2	6	5	0	23
(1)	1.98	.99	.33	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.66	1.98	1.65	.00	7.59
(2)	.18	.09	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.18	.15	.00	.68
8.1-10.0	12	0	0	0	0	0	0	0	0	0	0	2	0	3	7	10	0	34
(1)	3.96	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.66	.00	.99	2.31	3.30	.00	11.22
(2)	.36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.09	.21	.30	.00	1.01
10.1-40.3	17	19	1	0	0	0	0	0	0	0	0	16	11	53	94	16	0	227
(1)	5.61	6.27	.33	.00	.00	.00	.00	.00	.00	.00	.00	5.28	3.63	17.49	31.02	5.28	.00	74.92
(2)	.51	.57	.03	.00	.00	.00	.00	.00	.00	.00	.00	.48	.33	1.58	2.80	.48	.00	6.76
ALL SPEEDS	42	25	5	0	0	0	1	1	0	0	0	18	11	59	108	33	0	303
(1)	13.86	8.25	1.65	.00	.00	.00	.33	.33	.00	.00	.00	5.94	3.63	19.47	35.64	10.89	.00	100.00
(2)	1.25	.74	.15	.00	.00	.00	.03	.03	.00	.00	.00	.54	.33	1.76	3.22	.98	.00	9.02

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Table 2.3-63—{NMPNS 200 ft (61-m) 2001-2005 January JFD}

(Page 2 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 7.03

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.42	.00	.00	.00	.00	.00	.00	.00	.00	.42
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03
2.1- 3.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
3.1- 4.0	0	1	0	2	0	0	3	0	0	0	0	0	0	0	0	0	0	6
(1)	.00	.42	.00	.85	.00	.00	1.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.54
(2)	.00	.03	.00	.06	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18
4.1- 5.0	1	1	1	0	0	0	1	0	0	0	0	0	0	1	0	2	0	7
(1)	.42	.42	.42	.00	.00	.00	.42	.00	.00	.00	.00	.00	.00	.42	.00	.85	.00	2.97
(2)	.03	.03	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.06	.00	.21
5.1- 6.0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	7
(1)	.42	.42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	.85	.85	.00	2.97
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.06	.06	.00	.21
6.1- 8.0	22	8	1	0	0	1	0	0	1	0	0	0	1	13	22	5	0	74
(1)	9.32	3.39	.42	.00	.00	.42	.00	.00	.42	.00	.00	.00	.42	5.51	9.32	2.12	.00	31.36
(2)	.65	.24	.03	.00	.00	.03	.00	.00	.03	.00	.00	.00	.03	.39	.65	.15	.00	2.20
8.1-10.0	7	14	0	0	0	0	0	0	0	0	0	3	3	10	27	4	0	68
(1)	2.97	5.93	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.27	1.27	4.24	11.44	1.69	.00	28.81
(2)	.21	.42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.09	.30	.80	.12	.00	2.02
10.1-40.3	3	17	3	0	0	0	0	0	0	0	0	0	12	15	20	2	0	72
(1)	1.27	7.20	1.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.08	6.36	8.47	.85	.00	30.51
(2)	.09	.51	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.36	.45	.60	.06	.00	2.14
ALL SPEEDS	35	42	5	2	0	1	4	0	2	0	0	3	16	40	71	15	0	236
(1)	14.83	17.80	2.12	.85	.00	.42	1.69	.00	.85	.00	.00	1.27	6.78	16.95	30.08	6.36	.00	100.00
(2)	1.04	1.25	.15	.06	.00	.03	.12	.00	.06	.00	.00	.09	.48	1.19	2.11	.45	.00	7.03

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Table 2.3-63—{NMPNS 200 ft (61-m) 2001-2005 January JFD}

(Page 3 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.89

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	1	0	0	1	0	1	1	0	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.38	.00	.00	.38	.00	.38	.38	.00	.00	.00	.00	.00	1.51
(2)	.00	.00	.00	.00	.00	.03	.00	.00	.03	.00	.03	.03	.00	.00	.00	.00	.00	.12
2.1- 3.0	1	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	6
(1)	.38	.75	.38	.38	.00	.00	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.26
(2)	.03	.06	.03	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18
3.1- 4.0	3	1	1	0	0	2	1	0	0	0	0	0	0	1	1	1	0	11
(1)	1.13	.38	.38	.00	.00	.75	.38	.00	.00	.00	.00	.00	.00	.38	.38	.38	.00	4.15
(2)	.09	.03	.03	.00	.00	.06	.03	.00	.00	.00	.00	.00	.00	.03	.03	.03	.00	.33
4.1- 5.0	2	4	2	0	0	0	1	0	0	0	0	0	0	3	3	2	0	17
(1)	.75	1.51	.75	.00	.00	.00	.38	.00	.00	.00	.00	.00	.00	1.13	1.13	.75	.00	6.42
(2)	.06	.12	.06	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.09	.09	.06	.00	.51
5.1- 6.0	3	5	2	0	0	0	1	0	1	0	0	0	0	3	8	4	0	27
(1)	1.13	1.89	.75	.00	.00	.00	.38	.00	.38	.00	.00	.00	.00	1.13	3.02	1.51	.00	10.19
(2)	.09	.15	.06	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.09	.24	.12	.00	.80
6.1- 8.0	13	18	5	0	0	0	0	0	0	0	0	1	1	4	10	11	0	63
(1)	4.91	6.79	1.89	.00	.00	.00	.00	.00	.00	.00	.00	.38	.38	1.51	3.77	4.15	.00	23.77
(2)	.39	.54	.15	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.12	.30	.33	.00	1.88
8.1-10.0	6	17	5	0	0	0	0	0	0	0	0	1	2	8	8	5	0	52
(1)	2.26	6.42	1.89	.00	.00	.00	.00	.00	.00	.00	.00	.38	.75	3.02	3.02	1.89	.00	19.62
(2)	.18	.51	.15	.00	.00	.00	.00	.00	.00	.00	.00	.03	.06	.24	.24	.15	.00	1.55
10.1-40.3	5	14	5	0	0	0	0	0	0	0	1	11	15	15	15	4	0	85
(1)	1.89	5.28	1.89	.00	.00	.00	.00	.00	.00	.00	.38	4.15	5.66	5.66	5.66	1.51	.00	32.08
(2)	.15	.42	.15	.00	.00	.00	.00	.00	.00	.00	.03	.33	.45	.45	.45	.12	.00	2.53
ALL SPEEDS	33	61	21	1	0	3	4	0	2	0	2	14	18	34	45	27	0	265
(1)	12.45	23.02	7.92	.38	.00	1.13	1.51	.00	.75	.00	.75	5.28	6.79	12.83	16.98	10.19	.00	100.00
(2)	.98	1.82	.63	.03	.00	.09	.12	.00	.06	.00	.06	.42	.54	1.01	1.34	.80	.00	7.89

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Table 2.3-63—{NMPNS 200 ft (61-m) 2001-2005 January JFD}

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NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 54.54

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.05
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03
.5- 1.0	1	0	0	1	0	0	0	0	0	1	0	0	1	1	0	0	0	5
(1)	.05	.00	.00	.05	.00	.00	.00	.00	.00	.05	.00	.00	.05	.05	.00	.00	.00	.27
(2)	.03	.00	.00	.03	.00	.00	.00	.00	.00	.03	.00	.00	.03	.03	.00	.00	.00	.15
1.1- 1.5	1	2	1	0	0	2	0	1	2	1	1	0	0	0	2	0	0	13
(1)	.05	.11	.05	.00	.00	.11	.00	.05	.11	.05	.05	.00	.00	.00	.11	.00	.00	.71
(2)	.03	.06	.03	.00	.00	.06	.00	.03	.06	.03	.03	.00	.00	.00	.06	.00	.00	.39
1.6- 2.0	1	5	2	2	4	4	1	1	1	0	0	0	1	1	3	2	0	28
(1)	.05	.27	.11	.11	.22	.22	.05	.05	.05	.00	.00	.00	.05	.05	.16	.11	.00	1.53
(2)	.03	.15	.06	.06	.12	.12	.03	.03	.03	.00	.00	.00	.03	.03	.09	.06	.00	.83
2.1- 3.0	10	9	7	11	16	10	16	8	8	4	3	1	3	3	4	8	0	121
(1)	.55	.49	.38	.60	.87	.55	.87	.44	.44	.22	.16	.05	.16	.16	.22	.44	.00	6.60
(2)	.30	.27	.21	.33	.48	.30	.48	.24	.24	.12	.09	.03	.09	.09	.12	.24	.00	3.60
3.1- 4.0	11	12	22	10	13	11	18	21	18	12	4	4	3	3	6	4	0	172
(1)	.60	.66	1.20	.55	.71	.60	.98	1.15	.98	.66	.22	.22	.16	.16	.33	.22	.00	9.39
(2)	.33	.36	.65	.30	.39	.33	.54	.63	.54	.36	.12	.12	.09	.09	.18	.12	.00	5.12
4.1- 5.0	6	10	22	6	11	21	21	36	36	24	11	9	3	9	5	11	0	241
(1)	.33	.55	1.20	.33	.60	1.15	1.15	1.97	1.97	1.31	.60	.49	.16	.49	.27	.60	.00	13.16
(2)	.18	.30	.65	.18	.33	.63	.63	1.07	1.07	.71	.33	.27	.09	.27	.15	.33	.00	7.17
5.1- 6.0	8	26	21	2	12	15	31	20	21	43	37	12	5	12	12	11	0	288
(1)	.44	1.42	1.15	.11	.66	.82	1.69	1.09	1.15	2.35	2.02	.66	.27	.66	.66	.60	.00	15.72
(2)	.24	.77	.63	.06	.36	.45	.92	.60	.63	1.28	1.10	.36	.15	.36	.36	.33	.00	8.57
6.1- 8.0	21	34	30	0	7	42	39	54	46	39	75	14	7	29	21	16	0	474
(1)	1.15	1.86	1.64	.00	.38	2.29	2.13	2.95	2.51	2.13	4.09	.76	.38	1.58	1.15	.87	.00	25.87
(2)	.63	1.01	.89	.00	.21	1.25	1.16	1.61	1.37	1.16	2.23	.42	.21	.86	.63	.48	.00	14.11
8.1-10.0	10	25	12	0	1	7	11	27	14	3	10	23	4	29	22	11	0	209
(1)	.55	1.36	.66	.00	.05	.38	.60	1.47	.76	.16	.55	1.26	.22	1.58	1.20	.60	.00	11.41
(2)	.30	.74	.36	.00	.03	.21	.33	.80	.42	.09	.30	.68	.12	.86	.65	.33	.00	6.22
10.1-40.3	8	12	4	0	0	4	5	10	2	1	5	64	53	86	22	4	0	280
(1)	.44	.66	.22	.00	.00	.22	.27	.55	.11	.05	.27	3.49	2.89	4.69	1.20	.22	.00	15.28
(2)	.24	.36	.12	.00	.00	.12	.15	.30	.06	.03	.15	1.91	1.58	2.56	.65	.12	.00	8.34
ALL SPEEDS	77	135	121	32	64	116	142	178	148	128	146	127	80	173	98	67	0	1832
(1)	4.20	7.37	6.60	1.75	3.49	6.33	7.75	9.72	8.08	6.99	7.97	6.93	4.37	9.44	5.35	3.66	.00	100.00
(2)	2.29	4.02	3.60	.95	1.91	3.45	4.23	5.30	4.41	3.81	4.35	3.78	2.38	5.15	2.92	1.99	.00	54.54

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Table 2.3-63—{NMPNS 200 ft (61-m) 2001-2005 January JFD}

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NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 17.27

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.34
(2)	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
1.1- 1.5	0	2	1	3	1	0	0	0	0	1	0	0	1	0	0	0	0	9
(1)	.00	.34	.17	.52	.17	.00	.00	.00	.00	.17	.00	.00	.17	.00	.00	.00	.00	1.55
(2)	.00	.06	.03	.09	.03	.00	.00	.00	.00	.03	.00	.00	.03	.00	.00	.00	.00	.27
1.6- 2.0	0	0	1	0	0	0	0	1	2	1	0	1	2	0	0	0	0	8
(1)	.00	.00	.17	.00	.00	.00	.00	.17	.34	.17	.00	.17	.34	.00	.00	.00	.00	1.38
(2)	.00	.00	.03	.00	.00	.00	.00	.03	.06	.03	.00	.03	.06	.00	.00	.00	.00	.24
2.1- 3.0	0	1	3	2	1	1	1	3	4	1	2	2	2	0	1	0	0	24
(1)	.00	.17	.52	.34	.17	.17	.17	.52	.69	.17	.34	.34	.34	.00	.17	.00	.00	4.14
(2)	.00	.03	.09	.06	.03	.03	.03	.09	.12	.03	.06	.06	.06	.00	.03	.00	.00	.71
3.1- 4.0	2	1	4	5	4	4	9	7	7	3	4	1	1	1	2	0	0	55
(1)	.34	.17	.69	.86	.69	.69	1.55	1.21	1.21	.52	.69	.17	.17	.17	.34	.00	.00	9.48
(2)	.06	.03	.12	.15	.12	.12	.27	.21	.21	.09	.12	.03	.03	.03	.06	.00	.00	1.64
4.1- 5.0	0	2	1	0	3	6	8	8	13	8	6	9	3	0	1	0	0	68
(1)	.00	.34	.17	.00	.52	1.03	1.38	1.38	2.24	1.38	1.03	1.55	.52	.00	.17	.00	.00	11.72
(2)	.00	.06	.03	.00	.09	.18	.24	.24	.39	.24	.18	.27	.09	.00	.03	.00	.00	2.02
5.1- 6.0	0	0	1	0	3	3	14	20	26	12	3	3	2	2	0	0	0	89
(1)	.00	.00	.17	.00	.52	.52	2.41	3.45	4.48	2.07	.52	.52	.34	.34	.00	.00	.00	15.34
(2)	.00	.00	.03	.00	.09	.09	.42	.60	.77	.36	.09	.09	.06	.06	.00	.00	.00	2.65
6.1- 8.0	0	2	0	0	0	1	20	36	29	23	11	12	4	2	0	1	0	141
(1)	.00	.34	.00	.00	.00	.17	3.45	6.21	5.00	3.97	1.90	2.07	.69	.34	.00	.17	.00	24.31
(2)	.00	.06	.00	.00	.00	.03	.60	1.07	.86	.68	.33	.36	.12	.06	.00	.03	.00	4.20
8.1-10.0	0	0	0	0	0	0	9	11	10	2	12	16	5	3	0	0	0	68
(1)	.00	.00	.00	.00	.00	.00	1.55	1.90	1.72	.34	2.07	2.76	.86	.52	.00	.00	.00	11.72
(2)	.00	.00	.00	.00	.00	.00	.27	.33	.30	.06	.36	.48	.15	.09	.00	.00	.00	2.02
10.1-40.3	0	0	0	0	0	0	7	13	3	0	0	28	39	26	0	0	0	116
(1)	.00	.00	.00	.00	.00	.00	1.21	2.24	.52	.00	.00	4.83	6.72	4.48	.00	.00	.00	20.00
(2)	.00	.00	.00	.00	.00	.00	.21	.39	.09	.00	.00	.83	1.16	.77	.00	.00	.00	3.45
ALL SPEEDS	2	8	11	10	14	15	68	99	94	51	38	72	59	34	4	1	0	580
(1)	.34	1.38	1.90	1.72	2.41	2.59	11.72	17.07	16.21	8.79	6.55	12.41	10.17	5.86	.69	.17	.00	100.00
(2)	.06	.24	.33	.30	.42	.45	2.02	2.95	2.80	1.52	1.13	2.14	1.76	1.01	.12	.03	.00	17.27

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Table 2.3-63—{NMPNS 200 ft (61-m) 2001-2005 January JFD}

(Page 6 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 2.47

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.20	.00	1.20
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	1.20	1.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.41
(2)	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
2.1- 3.0	0	0	1	3	1	0	0	0	2	2	1	1	0	0	0	0	0	11
(1)	.00	.00	1.20	3.61	1.20	.00	.00	.00	2.41	2.41	1.20	1.20	.00	.00	.00	.00	.00	13.25
(2)	.00	.00	.03	.09	.03	.00	.00	.00	.06	.06	.03	.03	.00	.00	.00	.00	.00	.33
3.1- 4.0	0	0	0	0	2	1	2	2	3	2	0	0	0	0	0	0	0	12
(1)	.00	.00	.00	.00	2.41	1.20	2.41	2.41	3.61	2.41	.00	.00	.00	.00	.00	.00	.00	14.46
(2)	.00	.00	.00	.00	.06	.03	.06	.06	.09	.06	.00	.00	.00	.00	.00	.00	.00	.36
4.1- 5.0	0	0	0	0	1	0	3	2	2	1	0	0	0	0	0	0	0	9
(1)	.00	.00	.00	.00	1.20	.00	3.61	2.41	2.41	1.20	.00	.00	.00	.00	.00	.00	.00	10.84
(2)	.00	.00	.00	.00	.03	.00	.09	.06	.06	.03	.00	.00	.00	.00	.00	.00	.00	.27
5.1- 6.0	0	0	0	0	1	1	1	4	2	1	0	0	0	0	0	1	0	11
(1)	.00	.00	.00	.00	1.20	1.20	1.20	4.82	2.41	1.20	.00	.00	.00	.00	.00	1.20	.00	13.25
(2)	.00	.00	.00	.00	.03	.03	.03	.12	.06	.03	.00	.00	.00	.00	.00	.03	.00	.33
6.1- 8.0	0	0	0	0	0	1	2	2	4	2	2	1	1	0	0	0	0	15
(1)	.00	.00	.00	.00	.00	1.20	2.41	2.41	4.82	2.41	2.41	1.20	1.20	.00	.00	.00	.00	18.07
(2)	.00	.00	.00	.00	.00	.03	.06	.06	.12	.06	.06	.03	.03	.00	.00	.00	.00	.45
8.1-10.0	0	0	0	0	0	0	0	6	1	2	0	3	2	0	0	0	0	14
(1)	.00	.00	.00	.00	.00	.00	.00	7.23	1.20	2.41	.00	3.61	2.41	.00	.00	.00	.00	16.87
(2)	.00	.00	.00	.00	.00	.00	.00	.18	.03	.06	.00	.09	.06	.00	.00	.00	.00	.42
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	5	3	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.02	3.61	.00	.00	.00	.00	9.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.09	.00	.00	.00	.00	.24
ALL SPEEDS	0	0	1	4	6	3	8	16	14	10	3	10	6	0	0	2	0	83
(1)	.00	.00	1.20	4.82	7.23	3.61	9.64	19.28	16.87	12.05	3.61	12.05	7.23	.00	.00	2.41	.00	100.00
(2)	.00	.00	.03	.12	.18	.09	.24	.48	.42	.30	.09	.30	.18	.00	.00	.06	.00	2.47

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Table 2.3-63—{NMPNS 200 ft (61-m) 2001-2005 January JFD}

(Page 7 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.79

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	1.67	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.67
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3
(1)	1.67	1.67	.00	.00	.00	.00	.00	.00	.00	1.67	.00	.00	.00	.00	.00	.00	.00	5.00
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.09
1.1- 1.5	0	0	2	1	0	0	1	1	1	0	0	0	0	0	0	0	0	6
(1)	.00	.00	3.33	1.67	.00	.00	1.67	1.67	1.67	.00	.00	.00	.00	.00	.00	.00	.00	10.00
(2)	.00	.00	.06	.03	.00	.00	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.18
1.6- 2.0	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	4
(1)	.00	.00	1.67	.00	1.67	.00	.00	1.67	.00	1.67	.00	.00	.00	.00	.00	.00	.00	6.67
(2)	.00	.00	.03	.00	.03	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.12
2.1- 3.0	1	1	0	1	1	0	0	2	0	0	1	0	0	0	0	0	0	7
(1)	1.67	1.67	.00	1.67	1.67	.00	.00	3.33	.00	.00	1.67	.00	.00	.00	.00	.00	.00	11.67
(2)	.03	.03	.00	.03	.03	.00	.00	.06	.00	.00	.03	.00	.00	.00	.00	.00	.00	.21
3.1- 4.0	0	0	0	0	1	3	4	2	0	1	0	0	0	0	0	0	0	11
(1)	.00	.00	.00	.00	1.67	5.00	6.67	3.33	.00	1.67	.00	.00	.00	.00	.00	.00	.00	18.33
(2)	.00	.00	.00	.00	.03	.09	.12	.06	.00	.03	.00	.00	.00	.00	.00	.00	.00	.33
4.1- 5.0	0	0	0	0	0	2	3	2	0	1	0	0	0	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	3.33	5.00	3.33	.00	1.67	.00	.00	.00	.00	.00	.00	.00	13.33
(2)	.00	.00	.00	.00	.00	.06	.09	.06	.00	.03	.00	.00	.00	.00	.00	.00	.00	.24
5.1- 6.0	0	0	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	1.67	5.00	1.67	.00	.00	.00	.00	.00	.00	.00	.00	8.33
(2)	.00	.00	.00	.00	.00	.00	.03	.09	.03	.00	.00	.00	.00	.00	.00	.00	.00	.15
6.1- 8.0	0	0	0	0	0	0	0	3	5	1	2	0	0	0	0	0	0	11
(1)	.00	.00	.00	.00	.00	.00	.00	5.00	8.33	1.67	3.33	.00	.00	.00	.00	.00	.00	18.33
(2)	.00	.00	.00	.00	.00	.00	.00	.09	.15	.03	.06	.00	.00	.00	.00	.00	.00	.33
8.1-10.0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	3.33	.00	.00	.00	.00	.00	.00	.00	.00	3.33
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.33	.00	.00	.00	.00	3.33
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.06
ALL SPEEDS	2	2	3	2	4	5	9	14	9	5	3	0	2	0	0	0	0	60
(1)	3.33	3.33	5.00	3.33	6.67	8.33	15.00	23.33	15.00	8.33	5.00	.00	3.33	.00	.00	.00	.00	100.00
(2)	.06	.06	.09	.06	.12	.15	.27	.42	.27	.15	.09	.00	.06	.00	.00	.00	.00	1.79

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Table 2.3-63—{NMPNS 200 ft (61-m) 2001-2005 January JFD}

(Page 8 of 8)

NMP JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	2
(1)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.06
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.06
.5- 1.0	2	1	0	1	2	0	0	0	0	2	0	0	1	1	0	1	0	11
(1)	.06	.03	.00	.03	.06	.00	.00	.00	.00	.06	.00	.00	.03	.03	.00	.03	.00	.33
(2)	.06	.03	.00	.03	.06	.00	.00	.00	.00	.06	.00	.00	.03	.03	.00	.03	.00	.33
1.1- 1.5	1	4	4	4	1	2	1	2	3	2	1	0	1	0	2	0	0	28
(1)	.03	.12	.12	.12	.03	.06	.03	.06	.09	.06	.03	.00	.03	.00	.06	.00	.00	.83
(2)	.03	.12	.12	.12	.03	.06	.03	.06	.09	.06	.03	.00	.03	.00	.06	.00	.00	.83
1.6- 2.0	1	5	4	3	6	5	1	4	5	2	1	2	3	1	3	2	0	48
(1)	.03	.15	.12	.09	.18	.15	.03	.12	.15	.06	.03	.06	.09	.03	.09	.06	.00	1.43
(2)	.03	.15	.12	.09	.18	.15	.03	.12	.15	.06	.03	.06	.09	.03	.09	.06	.00	1.43
2.1- 3.0	13	13	12	18	19	11	19	13	14	7	7	4	5	3	5	8	0	171
(1)	.39	.39	.36	.54	.57	.33	.57	.39	.42	.21	.21	.12	.15	.09	.15	.24	.00	5.09
(2)	.39	.39	.36	.54	.57	.33	.57	.39	.42	.21	.21	.12	.15	.09	.15	.24	.00	5.09
3.1- 4.0	16	17	27	17	20	21	37	32	28	18	8	5	4	5	10	5	0	270
(1)	.48	.51	.80	.51	.60	.63	1.10	.95	.83	.54	.24	.15	.12	.15	.30	.15	.00	8.04
(2)	.48	.51	.80	.51	.60	.63	1.10	.95	.83	.54	.24	.15	.12	.15	.30	.15	.00	8.04
4.1- 5.0	10	18	28	6	15	29	37	48	51	34	17	18	6	13	9	16	0	355
(1)	.30	.54	.83	.18	.45	.86	1.10	1.43	1.52	1.01	.51	.54	.18	.39	.27	.48	.00	10.57
(2)	.30	.54	.83	.18	.45	.86	1.10	1.43	1.52	1.01	.51	.54	.18	.39	.27	.48	.00	10.57
5.1- 6.0	18	32	25	2	16	19	48	47	51	56	40	15	7	19	22	19	0	436
(1)	.54	.95	.74	.06	.48	.57	1.43	1.40	1.52	1.67	1.19	.45	.21	.57	.65	.57	.00	12.98
(2)	.54	.95	.74	.06	.48	.57	1.43	1.40	1.52	1.67	1.19	.45	.21	.57	.65	.57	.00	12.98
6.1- 8.0	62	65	37	0	7	45	61	95	85	65	90	28	14	50	59	38	0	801
(1)	1.85	1.94	1.10	.00	.21	1.34	1.82	2.83	2.53	1.94	2.68	.83	.42	1.49	1.76	1.13	.00	23.85
(2)	1.85	1.94	1.10	.00	.21	1.34	1.82	2.83	2.53	1.94	2.68	.83	.42	1.49	1.76	1.13	.00	23.85
8.1-10.0	35	56	17	0	1	7	20	44	27	7	22	48	16	53	64	30	0	447
(1)	1.04	1.67	.51	.00	.03	.21	.60	1.31	.80	.21	.65	1.43	.48	1.58	1.91	.89	.00	13.31
(2)	1.04	1.67	.51	.00	.03	.21	.60	1.31	.80	.21	.65	1.43	.48	1.58	1.91	.89	.00	13.31
10.1-40.3	33	62	13	0	0	4	12	23	5	1	6	124	135	195	151	26	0	790
(1)	.98	1.85	.39	.00	.00	.12	.36	.68	.15	.03	.18	3.69	4.02	5.81	4.50	.77	.00	23.52
(2)	.98	1.85	.39	.00	.00	.12	.36	.68	.15	.03	.18	3.69	4.02	5.81	4.50	.77	.00	23.52
ALL SPEEDS	191	273	167	51	88	143	236	308	269	194	192	244	192	340	326	145	0	3359
(1)	5.69	8.13	4.97	1.52	2.62	4.26	7.03	9.17	8.01	5.78	5.72	7.26	5.72	10.12	9.71	4.32	.00	100.00
(2)	5.69	8.13	4.97	1.52	2.62	4.26	7.03	9.17	8.01	5.78	5.72	7.26	5.72	10.12	9.71	4.32	.00	100.00

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Table 2.3-64—{NMPNS 200 ft (61-m) 2001-2005 February JFD}

(Page 1 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 8.51

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.35
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	1	2	0	1	0	0	0	0	0	0	0	0	0	0	1	0	6
(1)	.35	.35	.71	.00	.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.35	.00	2.12
(2)	.03	.03	.06	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.18
2.1- 3.0	1	0	2	0	0	0	1	0	1	1	0	0	0	0	1	3	0	10
(1)	.35	.00	.71	.00	.00	.00	.35	.00	.35	.35	.00	.00	.00	.00	.35	1.06	.00	3.53
(2)	.03	.00	.06	.00	.00	.00	.03	.00	.03	.03	.00	.00	.00	.00	.03	.09	.00	.30
3.1- 4.0	0	3	0	0	0	0	0	1	1	2	0	0	0	0	2	1	0	10
(1)	.00	1.06	.00	.00	.00	.00	.00	.35	.35	.71	.00	.00	.00	.00	.71	.35	.00	3.53
(2)	.00	.09	.00	.00	.00	.00	.00	.03	.03	.06	.00	.00	.00	.00	.06	.03	.00	.30
4.1- 5.0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	2	3	0	8
(1)	.35	.35	.00	.00	.00	.00	.35	.00	.00	.00	.00	.00	.00	.00	.71	1.06	.00	2.83
(2)	.03	.03	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.06	.09	.00	.24
5.1- 6.0	5	2	0	0	0	1	0	0	0	0	0	0	0	0	4	1	0	13
(1)	1.77	.71	.00	.00	.00	.35	.00	.00	.00	.00	.00	.00	.00	.00	1.41	.35	.00	4.59
(2)	.15	.06	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.12	.03	.00	.39
6.1- 8.0	2	3	0	0	0	0	0	0	0	0	0	0	0	4	3	3	0	15
(1)	.71	1.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.41	1.06	1.06	.00	5.30
(2)	.06	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.09	.09	.00	.45
8.1-10.0	3	0	0	0	0	0	0	2	0	0	0	0	1	7	9	13	0	35
(1)	1.06	.00	.00	.00	.00	.00	.00	.71	.00	.00	.00	.00	.35	2.47	3.18	4.59	.00	12.37
(2)	.09	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.03	.21	.27	.39	.00	1.05
10.1-40.3	10	7	0	0	0	0	2	0	0	0	0	9	2	86	67	2	0	185
(1)	3.53	2.47	.00	.00	.00	.00	.71	.00	.00	.00	.00	3.18	.71	30.39	23.67	.71	.00	65.37
(2)	.30	.21	.00	.00	.00	.00	.06	.00	.00	.00	.00	.27	.06	2.59	2.02	.06	.00	5.56
ALL SPEEDS	23	17	4	1	1	1	4	3	2	3	0	9	3	97	88	27	0	283
(1)	8.13	6.01	1.41	.35	.35	.35	1.41	1.06	.71	1.06	.00	3.18	1.06	34.28	31.10	9.54	.00	100.00
(2)	.69	.51	.12	.03	.03	.03	.12	.09	.06	.09	.00	.27	.09	2.92	2.65	.81	.00	8.51

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Table 2.3-64—{NMPNS 200 ft (61-m) 2001-2005 February JFD}

(Page 2 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.98

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3
(1)	.50	.00	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	.00	1.51
(2)	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.09
2.1- 3.0	1	2	0	2	1	0	0	0	0	0	0	0	0	1	5	1	0	13
(1)	.50	1.01	.00	1.01	.50	.00	.00	.00	.00	.00	.00	.00	.00	.50	2.51	.50	.00	6.53
(2)	.03	.06	.00	.06	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.15	.03	.00	.39
3.1- 4.0	1	1	1	1	1	0	1	0	0	0	0	0	0	0	1	3	0	10
(1)	.50	.50	.50	.50	.50	.00	.50	.00	.00	.00	.00	.00	.00	.00	.50	1.51	.00	5.03
(2)	.03	.03	.03	.03	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03	.09	.00	.30
4.1- 5.0	2	2	0	0	0	1	1	3	0	0	0	0	0	1	1	1	0	12
(1)	1.01	1.01	.00	.00	.00	.50	.50	1.51	.00	.00	.00	.00	.00	.50	.50	.50	.00	6.03
(2)	.06	.06	.00	.00	.00	.03	.03	.09	.00	.00	.00	.00	.00	.03	.03	.03	.00	.36
5.1- 6.0	0	0	0	0	0	0	1	1	0	0	0	0	0	5	3	2	0	12
(1)	.00	.00	.00	.00	.00	.00	.50	.50	.00	.00	.00	.00	.00	2.51	1.51	1.01	.00	6.03
(2)	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.15	.09	.06	.00	.36
6.1- 8.0	6	2	0	0	0	0	1	0	0	0	0	2	2	3	8	7	0	31
(1)	3.02	1.01	.00	.00	.00	.00	.50	.00	.00	.00	.00	1.01	1.01	1.51	4.02	3.52	.00	15.58
(2)	.18	.06	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06	.06	.09	.24	.21	.00	.93
8.1-10.0	2	0	0	0	0	0	0	0	0	0	1	3	0	8	7	7	0	28
(1)	1.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	1.51	.00	4.02	3.52	3.52	.00	14.07
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.09	.00	.24	.21	.21	.00	.84
10.1-40.3	7	1	0	0	0	0	1	0	0	0	0	6	6	26	31	12	0	90
(1)	3.52	.50	.00	.00	.00	.00	.50	.00	.00	.00	.00	3.02	3.02	13.07	15.58	6.03	.00	45.23
(2)	.21	.03	.00	.00	.00	.00	.03	.00	.00	.00	.00	.18	.18	.78	.93	.36	.00	2.71
ALL SPEEDS	20	8	2	3	2	1	5	4	0	0	1	11	8	44	56	34	0	199
(1)	10.05	4.02	1.01	1.51	1.01	.50	2.51	2.01	.00	.00	.50	5.53	4.02	22.11	28.14	17.09	.00	100.00
(2)	.60	.24	.06	.09	.06	.03	.15	.12	.00	.00	.03	.33	.24	1.32	1.68	1.02	.00	5.98

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Table 2.3-64—{NMPNS 200 ft (61-m) 2001-2005 February JFD}

(Page 3 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.25

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.41	.00	.41
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03
1.6- 2.0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	6
(1)	.41	.41	.00	.00	.41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.24	.00	2.49
(2)	.03	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.18
2.1- 3.0	1	1	2	2	1	0	0	1	0	0	0	0	0	2	1	4	0	15
(1)	.41	.41	.83	.83	.41	.00	.00	.41	.00	.00	.00	.00	.00	.83	.41	1.66	.00	6.22
(2)	.03	.03	.06	.06	.03	.00	.00	.03	.00	.00	.00	.00	.00	.06	.03	.12	.00	.45
3.1- 4.0	1	4	8	3	0	1	2	0	1	0	0	1	2	4	1	2	0	30
(1)	.41	1.66	3.32	1.24	.00	.41	.83	.00	.41	.00	.00	.41	.83	1.66	.41	.83	.00	12.45
(2)	.03	.12	.24	.09	.00	.03	.06	.00	.03	.00	.00	.03	.06	.12	.03	.06	.00	.90
4.1- 5.0	1	1	0	1	0	1	3	0	0	0	0	0	1	3	4	3	0	18
(1)	.41	.41	.00	.41	.00	.41	1.24	.00	.00	.00	.00	.00	.41	1.24	1.66	1.24	.00	7.47
(2)	.03	.03	.00	.03	.00	.03	.09	.00	.00	.00	.00	.00	.03	.09	.12	.09	.00	.54
5.1- 6.0	2	0	1	0	0	0	4	1	1	0	0	0	0	4	5	2	0	20
(1)	.83	.00	.41	.00	.00	.00	1.66	.41	.41	.00	.00	.00	.00	1.66	2.07	.83	.00	8.30
(2)	.06	.00	.03	.00	.00	.00	.12	.03	.03	.00	.00	.00	.00	.12	.15	.06	.00	.60
6.1- 8.0	6	3	0	0	0	0	0	2	0	0	0	0	2	3	10	8	0	34
(1)	2.49	1.24	.00	.00	.00	.00	.00	.83	.00	.00	.00	.00	.83	1.24	4.15	3.32	.00	14.11
(2)	.18	.09	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.06	.09	.30	.24	.00	1.02
8.1-10.0	6	4	0	0	0	0	0	0	0	0	0	5	0	9	9	7	0	40
(1)	2.49	1.66	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.07	.00	3.73	3.73	2.90	.00	16.60
(2)	.18	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.00	.27	.27	.21	.00	1.20
10.1-40.3	5	3	0	0	0	0	0	0	0	0	1	5	14	29	15	5	0	77
(1)	2.07	1.24	.00	.00	.00	.00	.00	.00	.00	.00	.41	2.07	5.81	12.03	6.22	2.07	.00	31.95
(2)	.15	.09	.00	.00	.00	.00	.00	.00	.00	.00	.03	.15	.42	.87	.45	.15	.00	2.32
ALL SPEEDS	23	17	11	6	2	2	9	4	2	0	1	11	19	54	45	35	0	241
(1)	9.54	7.05	4.56	2.49	.83	.83	3.73	1.66	.83	.00	.41	4.56	7.88	22.41	18.67	14.52	.00	100.00
(2)	.69	.51	.33	.18	.06	.06	.27	.12	.06	.00	.03	.33	.57	1.62	1.35	1.05	.00	7.25

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Table 2.3-64—{NMPNS 200 ft (61-m) 2001-2005 February JFD}

(Page 4 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 50.77

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	1	1	0	1	0	0	0	0	1	0	2	0	1	1	0	0	9
(1)	.06	.06	.06	.00	.06	.00	.00	.00	.00	.06	.00	.12	.00	.06	.06	.00	.00	.53
(2)	.03	.03	.03	.00	.03	.00	.00	.00	.00	.03	.00	.06	.00	.03	.03	.00	.00	.27
1.1- 1.5	1	2	2	2	1	1	0	0	2	2	1	2	2	1	1	2	0	22
(1)	.06	.12	.12	.12	.06	.06	.00	.00	.12	.12	.06	.12	.12	.06	.06	.12	.00	1.30
(2)	.03	.06	.06	.06	.03	.03	.00	.00	.06	.06	.03	.06	.06	.03	.03	.06	.00	.66
1.6- 2.0	3	5	4	4	1	3	7	1	1	0	3	3	0	1	2	6	0	44
(1)	.18	.30	.24	.24	.06	.18	.41	.06	.06	.00	.18	.18	.00	.06	.12	.36	.00	2.61
(2)	.09	.15	.12	.12	.03	.09	.21	.03	.03	.00	.09	.09	.00	.03	.06	.18	.00	1.32
2.1- 3.0	6	15	22	14	10	5	15	18	13	6	3	4	6	4	7	10	0	158
(1)	.36	.89	1.30	.83	.59	.30	.89	1.07	.77	.36	.18	.24	.36	.24	.41	.59	.00	9.36
(2)	.18	.45	.66	.42	.30	.15	.45	.54	.39	.18	.09	.12	.18	.12	.21	.30	.00	4.75
3.1- 4.0	1	15	17	9	3	6	18	18	4	7	5	3	9	7	6	8	0	136
(1)	.06	.89	1.01	.53	.18	.36	1.07	1.07	.24	.41	.30	.18	.53	.41	.36	.47	.00	8.06
(2)	.03	.45	.51	.27	.09	.18	.54	.54	.12	.21	.15	.09	.27	.21	.18	.24	.00	4.09
4.1- 5.0	5	14	8	1	5	15	20	20	19	12	5	4	3	7	10	9	0	157
(1)	.30	.83	.47	.06	.30	.89	1.18	1.18	1.13	.71	.30	.24	.18	.41	.59	.53	.00	9.30
(2)	.15	.42	.24	.03	.15	.45	.60	.60	.57	.36	.15	.12	.09	.21	.30	.27	.00	4.72
5.1- 6.0	7	20	9	2	8	15	25	42	28	17	9	8	8	7	11	5	0	221
(1)	.41	1.18	.53	.12	.47	.89	1.48	2.49	1.66	1.01	.53	.47	.47	.41	.65	.30	.00	13.09
(2)	.21	.60	.27	.06	.24	.45	.75	1.26	.84	.51	.27	.24	.24	.21	.33	.15	.00	6.65
6.1- 8.0	22	37	13	1	1	21	47	21	39	32	43	32	16	30	38	21	0	414
(1)	1.30	2.19	.77	.06	.06	1.24	2.78	1.24	2.31	1.90	2.55	1.90	.95	1.78	2.25	1.24	.00	24.53
(2)	.66	1.11	.39	.03	.03	.63	1.41	.63	1.17	.96	1.29	.96	.48	.90	1.14	.63	.00	12.45
8.1-10.0	12	12	0	0	0	9	37	16	18	3	15	31	15	22	18	6	0	214
(1)	.71	.71	.00	.00	.00	.53	2.19	.95	1.07	.18	.89	1.84	.89	1.30	1.07	.36	.00	12.68
(2)	.36	.36	.00	.00	.00	.27	1.11	.48	.54	.09	.45	.93	.45	.66	.54	.18	.00	6.44
10.1-40.3	2	3	0	0	0	6	24	6	5	0	7	83	78	74	17	8	0	313
(1)	.12	.18	.00	.00	.00	.36	1.42	.36	.30	.00	.41	4.92	4.62	4.38	1.01	.47	.00	18.54
(2)	.06	.09	.00	.00	.00	.18	.72	.18	.15	.00	.21	2.50	2.35	2.23	.51	.24	.00	9.41
ALL SPEEDS	60	124	76	33	30	81	193	142	129	80	91	172	137	154	111	75	0	1688
(1)	3.55	7.35	4.50	1.95	1.78	4.80	11.43	8.41	7.64	4.74	5.39	10.19	8.12	9.12	6.58	4.44	.00	100.00
(2)	1.80	3.73	2.29	.99	.90	2.44	5.80	4.27	3.88	2.41	2.74	5.17	4.12	4.63	3.34	2.26	.00	50.77

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Table 2.3-64—{NMPNS 200 ft (61-m) 2001-2005 February JFD}

(Page 5 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 22.56

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	0	0	2	0	0	0	3	1	0	0	0	0	0	0	0	7
(1)	.00	.13	.00	.00	.27	.00	.00	.00	.40	.13	.00	.00	.00	.00	.00	.00	.00	.93
(2)	.00	.03	.00	.00	.06	.00	.00	.00	.09	.03	.00	.00	.00	.00	.00	.00	.00	.21
1.1- 1.5	0	0	1	2	0	2	1	2	0	2	1	1	2	0	0	0	0	14
(1)	.00	.00	.13	.27	.00	.27	.13	.27	.00	.27	.13	.13	.27	.00	.00	.00	.00	1.87
(2)	.00	.00	.03	.06	.00	.06	.03	.06	.00	.06	.03	.03	.06	.00	.00	.00	.00	.42
1.6- 2.0	1	1	1	3	1	8	3	1	2	0	0	0	0	1	0	0	0	22
(1)	.13	.13	.13	.40	.13	1.07	.40	.13	.27	.00	.00	.00	.00	.13	.00	.00	.00	2.93
(2)	.03	.03	.03	.09	.03	.24	.09	.03	.06	.00	.00	.00	.00	.03	.00	.00	.00	.66
2.1- 3.0	0	1	1	5	8	3	6	8	5	1	4	7	0	3	0	1	0	53
(1)	.00	.13	.13	.67	1.07	.40	.80	1.07	.67	.13	.53	.93	.00	.40	.00	.13	.00	7.07
(2)	.00	.03	.03	.15	.24	.09	.18	.24	.15	.03	.12	.21	.00	.09	.00	.03	.00	1.59
3.1- 4.0	0	4	5	7	10	7	4	8	5	5	4	8	2	0	1	0	0	70
(1)	.00	.53	.67	.93	1.33	.93	.53	1.07	.67	.67	.53	1.07	.27	.00	.13	.00	.00	9.33
(2)	.00	.12	.15	.21	.30	.21	.12	.24	.15	.15	.12	.24	.06	.00	.03	.00	.00	2.11
4.1- 5.0	1	3	4	2	3	5	10	11	9	8	0	9	1	0	2	0	0	68
(1)	.13	.40	.53	.27	.40	.67	1.33	1.47	1.20	1.07	.00	1.20	.13	.00	.27	.00	.00	9.07
(2)	.03	.09	.12	.06	.09	.15	.30	.33	.27	.24	.00	.27	.03	.00	.06	.00	.00	2.05
5.1- 6.0	1	2	0	0	2	7	12	17	15	12	6	5	3	1	1	0	0	84
(1)	.13	.27	.00	.00	.27	.93	1.60	2.27	2.00	1.60	.80	.67	.40	.13	.13	.00	.00	11.20
(2)	.03	.06	.00	.00	.06	.21	.36	.51	.45	.36	.18	.15	.09	.03	.03	.00	.00	2.53
6.1- 8.0	0	0	0	0	3	10	55	57	39	33	12	27	7	3	4	0	0	250
(1)	.00	.00	.00	.00	.40	1.33	7.33	7.60	5.20	4.40	1.60	3.60	.93	.40	.53	.00	.00	33.33
(2)	.00	.00	.00	.00	.09	.30	1.65	1.71	1.17	.99	.36	.81	.21	.09	.12	.00	.00	7.52
8.1-10.0	1	0	0	0	0	0	20	31	13	2	5	20	6	5	5	0	0	108
(1)	.13	.00	.00	.00	.00	.00	2.67	4.13	1.73	.27	.67	2.67	.80	.67	.67	.00	.00	14.40
(2)	.03	.00	.00	.00	.00	.00	.60	.93	.39	.06	.15	.60	.18	.15	.15	.00	.00	3.25
10.1-40.3	0	0	0	0	0	0	3	6	5	0	5	29	15	11	0	0	0	74
(1)	.00	.00	.00	.00	.00	.00	.40	.80	.67	.00	.67	3.87	2.00	1.47	.00	.00	.00	9.87
(2)	.00	.00	.00	.00	.00	.00	.09	.18	.15	.00	.15	.87	.45	.33	.00	.00	.00	2.23
ALL SPEEDS	4	12	12	19	29	42	114	141	96	64	37	106	36	24	13	1	0	750
(1)	.53	1.60	1.60	2.53	3.87	5.60	15.20	18.80	12.80	8.53	4.93	14.13	4.80	3.20	1.73	.13	.00	100.00
(2)	.12	.36	.36	.57	.87	1.26	3.43	4.24	2.89	1.92	1.11	3.19	1.08	.72	.39	.03	.00	22.56

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Table 2.3-64—{NMPNS 200 ft (61-m) 2001-2005 February JFD}

(Page 6 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 3.01

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	1.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	1.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.6- 2.0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	1.00	.00	2.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.00
(2)	.00	.00	.00	.00	.00	.03	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09
2.1- 3.0	0	2	0	0	1	1	1	2	2	1	2	1	0	0	0	0	0	13
(1)	.00	2.00	.00	.00	1.00	1.00	1.00	2.00	2.00	1.00	2.00	1.00	.00	.00	.00	.00	.00	13.00
(2)	.00	.06	.00	.00	.03	.03	.03	.06	.06	.03	.06	.03	.00	.00	.00	.00	.00	.39
3.1- 4.0	0	0	2	1	1	2	1	2	1	1	0	1	1	0	0	0	0	13
(1)	.00	.00	2.00	1.00	1.00	2.00	1.00	2.00	1.00	1.00	.00	1.00	1.00	.00	.00	.00	.00	13.00
(2)	.00	.00	.06	.03	.03	.06	.03	.06	.03	.03	.00	.03	.03	.00	.00	.00	.00	.39
4.1- 5.0	0	0	0	0	0	2	0	3	1	1	0	2	2	0	0	0	0	11
(1)	.00	.00	.00	.00	.00	2.00	.00	3.00	1.00	1.00	.00	2.00	2.00	.00	.00	.00	.00	11.00
(2)	.00	.00	.00	.00	.00	.06	.00	.09	.03	.03	.00	.06	.06	.00	.00	.00	.00	.33
5.1- 6.0	1	0	0	0	0	2	8	5	2	1	0	2	0	0	0	0	0	21
(1)	1.00	.00	.00	.00	.00	2.00	8.00	5.00	2.00	1.00	.00	2.00	.00	.00	.00	.00	.00	21.00
(2)	.03	.00	.00	.00	.00	.06	.24	.15	.06	.03	.00	.06	.00	.00	.00	.00	.00	.63
6.1- 8.0	0	0	0	0	0	2	7	7	3	0	10	3	1	0	0	0	0	33
(1)	.00	.00	.00	.00	.00	2.00	7.00	7.00	3.00	.00	10.00	3.00	1.00	.00	.00	.00	.00	33.00
(2)	.00	.00	.00	.00	.00	.06	.21	.21	.09	.00	.30	.09	.03	.00	.00	.00	.00	.99
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00	1.00	.00	.00	.00	.00	2.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.06
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.00	.00	.00	.00	.00	.00	2.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.06
ALL SPEEDS	1	2	2	1	4	10	17	21	9	4	12	12	5	0	0	0	0	100
(1)	1.00	2.00	2.00	1.00	4.00	10.00	17.00	21.00	9.00	4.00	12.00	12.00	5.00	.00	.00	.00	.00	100.00
(2)	.03	.06	.06	.03	.12	.30	.51	.63	.27	.12	.36	.36	.15	.00	.00	.00	.00	3.01

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Table 2.3-64—{NMPNS 200 ft (61-m) 2001-2005 February JFD}

(Page 7 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.92

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	5
(1)	1.56	.00	1.56	.00	1.56	1.56	1.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.81
(2)	.03	.00	.03	.00	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15
1.1- 1.5	1	1	0	0	0	0	1	1	2	1	0	0	0	1	0	0	0	8
(1)	1.56	1.56	.00	.00	.00	.00	1.56	1.56	3.13	1.56	.00	.00	.00	1.56	.00	.00	.00	12.50
(2)	.03	.03	.00	.00	.00	.00	.03	.03	.06	.03	.00	.00	.00	.03	.00	.00	.00	.24
1.6- 2.0	0	1	1	1	1	1	0	1	1	1	0	0	0	0	0	1	0	9
(1)	.00	1.56	1.56	1.56	1.56	1.56	.00	1.56	1.56	1.56	.00	.00	.00	.00	.00	1.56	.00	14.06
(2)	.00	.03	.03	.03	.03	.03	.00	.03	.03	.03	.00	.00	.00	.00	.00	.03	.00	.27
2.1- 3.0	0	1	0	0	0	1	1	2	1	4	0	0	1	0	0	0	0	11
(1)	.00	1.56	.00	.00	.00	1.56	1.56	3.13	1.56	6.25	.00	.00	1.56	.00	.00	.00	.00	17.19
(2)	.00	.03	.00	.00	.00	.03	.03	.06	.03	.12	.00	.00	.03	.00	.00	.00	.00	.33
3.1- 4.0	0	0	0	0	0	0	1	9	0	0	0	0	0	0	0	0	0	10
(1)	.00	.00	.00	.00	.00	.00	1.56	14.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	15.63
(2)	.00	.00	.00	.00	.00	.00	.03	.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30
4.1- 5.0	0	0	0	0	0	0	1	3	1	0	2	0	0	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	1.56	4.69	1.56	.00	3.13	.00	.00	.00	.00	.00	.00	10.94
(2)	.00	.00	.00	.00	.00	.00	.03	.09	.03	.00	.06	.00	.00	.00	.00	.00	.00	.21
5.1- 6.0	0	0	0	0	0	2	2	3	0	1	0	1	0	0	0	0	0	9
(1)	.00	.00	.00	.00	.00	3.13	3.13	4.69	.00	1.56	.00	1.56	.00	.00	.00	.00	.00	14.06
(2)	.00	.00	.00	.00	.00	.06	.06	.09	.00	.03	.00	.03	.00	.00	.00	.00	.00	.27
6.1- 8.0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	6.25	1.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.81
(2)	.00	.00	.00	.00	.00	.00	.12	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	2	3	2	1	2	5	11	20	5	7	2	1	1	1	0	1	0	64
(1)	3.13	4.69	3.13	1.56	3.13	7.81	17.19	31.25	7.81	10.94	3.13	1.56	1.56	1.56	.00	1.56	.00	100.00
(2)	.06	.09	.06	.03	.06	.15	.33	.60	.15	.21	.06	.03	.03	.03	.00	.03	.00	1.92

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Table 2.3-64—{NMPNS 200 ft (61-m) 2001-2005 February JFD}

(Page 8 of 8)

NMP FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	2	2	2	1	5	1	1	0	3	2	0	2	0	1	1	0	0	23
(1)	.06	.06	.06	.03	.15	.03	.03	.00	.09	.06	.00	.06	.00	.03	.03	.00	.00	.69
(2)	.06	.06	.06	.03	.15	.03	.03	.00	.09	.06	.00	.06	.00	.03	.03	.00	.00	.69
1.1- 1.5	2	3	3	4	2	3	2	3	4	5	2	3	4	2	1	3	0	46
(1)	.06	.09	.09	.12	.06	.09	.06	.09	.12	.15	.06	.09	.12	.06	.03	.09	.00	1.38
(2)	.06	.09	.09	.12	.06	.09	.06	.09	.12	.15	.06	.09	.12	.06	.03	.09	.00	1.38
1.6- 2.0	7	9	9	8	5	13	10	5	4	1	3	3	0	2	2	12	0	93
(1)	.21	.27	.27	.24	.15	.39	.30	.15	.12	.03	.09	.09	.00	.06	.06	.36	.00	2.80
(2)	.21	.27	.27	.24	.15	.39	.30	.15	.12	.03	.09	.09	.00	.06	.06	.36	.00	2.80
2.1- 3.0	9	22	27	23	21	10	24	31	22	13	9	12	7	10	14	19	0	273
(1)	.27	.66	.81	.69	.63	.30	.72	.93	.66	.39	.27	.36	.21	.30	.42	.57	.00	8.21
(2)	.27	.66	.81	.69	.63	.30	.72	.93	.66	.39	.27	.36	.21	.30	.42	.57	.00	8.21
3.1- 4.0	3	27	33	21	15	16	27	38	12	15	9	13	14	11	11	14	0	279
(1)	.09	.81	.99	.63	.45	.48	.81	1.14	.36	.45	.27	.39	.42	.33	.33	.42	.00	8.39
(2)	.09	.81	.99	.63	.45	.48	.81	1.14	.36	.45	.27	.39	.42	.33	.33	.42	.00	8.39
4.1- 5.0	10	21	12	4	8	24	36	40	30	21	7	15	7	11	19	16	0	281
(1)	.30	.63	.36	.12	.24	.72	1.08	1.20	.90	.63	.21	.45	.21	.33	.57	.48	.00	8.45
(2)	.30	.63	.36	.12	.24	.72	1.08	1.20	.90	.63	.21	.45	.21	.33	.57	.48	.00	8.45
5.1- 6.0	16	24	10	2	10	27	52	69	46	31	15	16	11	17	24	10	0	380
(1)	.48	.72	.30	.06	.30	.81	1.56	2.08	1.38	.93	.45	.48	.33	.51	.72	.30	.00	11.43
(2)	.48	.72	.30	.06	.30	.81	1.56	2.08	1.38	.93	.45	.48	.33	.51	.72	.30	.00	11.43
6.1- 8.0	36	45	13	1	4	33	114	88	81	65	65	64	28	43	63	39	0	782
(1)	1.08	1.35	.39	.03	.12	.99	3.43	2.65	2.44	1.95	1.95	1.92	.84	1.29	1.89	1.17	.00	23.52
(2)	1.08	1.35	.39	.03	.12	.99	3.43	2.65	2.44	1.95	1.95	1.92	.84	1.29	1.89	1.17	.00	23.52
8.1-10.0	24	16	0	0	0	9	57	49	31	5	21	60	23	51	48	33	0	427
(1)	.72	.48	.00	.00	.00	.27	1.71	1.47	.93	.15	.63	1.80	.69	1.53	1.44	.99	.00	12.84
(2)	.72	.48	.00	.00	.00	.27	1.71	1.47	.93	.15	.63	1.80	.69	1.53	1.44	.99	.00	12.84
10.1-40.3	24	14	0	0	0	6	30	12	10	0	13	134	115	226	130	27	0	741
(1)	.72	.42	.00	.00	.00	.18	.90	.36	.30	.00	.39	4.03	3.46	6.80	3.91	.81	.00	22.29
(2)	.72	.42	.00	.00	.00	.18	.90	.36	.30	.00	.39	4.03	3.46	6.80	3.91	.81	.00	22.29
ALL SPEEDS	133	183	109	64	70	142	353	335	243	158	144	322	209	374	313	173	0	3325
(1)	4.00	5.50	3.28	1.92	2.11	4.27	10.62	10.08	7.31	4.75	4.33	9.68	6.29	11.25	9.41	5.20	.00	100.00
(2)	4.00	5.50	3.28	1.92	2.11	4.27	10.62	10.08	7.31	4.75	4.33	9.68	6.29	11.25	9.41	5.20	.00	100.00

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Table 2.3-65—{NMPNS 200 ft (61-m) 2001-2005 March JFD}

(Page 1 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 7.57

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	7
(1)	.36	.36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.71	1.07	.00	2.50
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.08	.00	.19
3.1- 4.0	8	2	4	0	1	0	0	0	0	0	0	0	0	2	6	7	0	30
(1)	2.86	.71	1.43	.00	.36	.00	.00	.00	.00	.00	.00	.00	.00	.71	2.14	2.50	.00	10.71
(2)	.22	.05	.11	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.05	.16	.19	.00	.81
4.1- 5.0	5	3	0	0	1	1	0	0	0	0	0	0	1	1	1	2	0	15
(1)	1.79	1.07	.00	.00	.36	.36	.00	.00	.00	.00	.00	.00	.36	.36	.36	.71	.00	5.36
(2)	.14	.08	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.03	.03	.03	.05	.00	.41
5.1- 6.0	5	8	1	0	0	1	1	0	0	0	0	0	0	1	1	4	0	22
(1)	1.79	2.86	.36	.00	.00	.36	.36	.00	.00	.00	.00	.00	.00	.36	.36	1.43	.00	7.86
(2)	.14	.22	.03	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.03	.03	.11	.00	.59
6.1- 8.0	7	15	0	0	0	0	3	0	0	0	0	0	0	1	1	4	0	31
(1)	2.50	5.36	.00	.00	.00	.00	1.07	.00	.00	.00	.00	.00	.00	.36	.36	1.43	.00	11.07
(2)	.19	.41	.00	.00	.00	.00	.08	.00	.00	.00	.00	.00	.00	.03	.03	.11	.00	.84
8.1-10.0	6	4	0	0	0	0	1	0	0	0	0	0	1	0	6	11	0	29
(1)	2.14	1.43	.00	.00	.00	.00	.36	.00	.00	.00	.00	.00	.36	.00	2.14	3.93	.00	10.36
(2)	.16	.11	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03	.00	.16	.30	.00	.78
10.1-40.3	2	6	0	0	0	0	2	0	0	0	0	16	32	36	45	7	0	146
(1)	.71	2.14	.00	.00	.00	.00	.71	.00	.00	.00	.00	5.71	11.43	12.86	16.07	2.50	.00	52.14
(2)	.05	.16	.00	.00	.00	.00	.05	.00	.00	.00	.00	.43	.87	.97	1.22	.19	.00	3.95
ALL SPEEDS	34	39	5	0	2	2	7	0	0	0	0	16	34	41	62	38	0	280
(1)	12.14	13.93	1.79	.00	.71	.71	2.50	.00	.00	.00	.00	5.71	12.14	14.64	22.14	13.57	.00	100.00
(2)	.92	1.05	.14	.00	.05	.05	.19	.00	.00	.00	.00	.43	.92	1.11	1.68	1.03	.00	7.57

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Table 2.3-65—{NMPNS 200 ft (61-m) 2001-2005 March JFD}

(Page 2 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 6.30

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.43	.00	.43
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.43	.43	.00	.86
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.05
2.1- 3.0	0	4	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	6
(1)	.00	1.72	.43	.00	.00	.00	.00	.00	.00	.43	.00	.00	.00	.00	.00	.00	.00	2.58
(2)	.00	.11	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.16
3.1- 4.0	4	4	1	1	0	0	0	0	1	0	0	1	1	1	2	2	0	18
(1)	1.72	1.72	.43	.43	.00	.00	.00	.00	.43	.00	.00	.43	.43	.43	.86	.86	.00	7.73
(2)	.11	.11	.03	.03	.00	.00	.00	.00	.03	.00	.00	.03	.03	.03	.05	.05	.00	.49
4.1- 5.0	6	2	0	0	1	0	0	0	3	0	0	0	1	0	1	2	0	16
(1)	2.58	.86	.00	.00	.43	.00	.00	.00	1.29	.00	.00	.00	.43	.00	.43	.86	.00	6.87
(2)	.16	.05	.00	.00	.03	.00	.00	.00	.08	.00	.00	.00	.03	.00	.03	.05	.00	.43
5.1- 6.0	3	0	3	0	0	1	1	1	0	0	0	1	0	1	0	3	0	14
(1)	1.29	.00	1.29	.00	.00	.43	.43	.43	.00	.00	.00	.43	.00	.43	.00	1.29	.00	6.01
(2)	.08	.00	.08	.00	.00	.03	.03	.03	.00	.00	.00	.03	.00	.03	.00	.08	.00	.38
6.1- 8.0	6	6	1	0	0	0	1	1	0	0	0	4	0	2	3	9	0	33
(1)	2.58	2.58	.43	.00	.00	.00	.43	.43	.00	.00	.00	1.72	.00	.86	1.29	3.86	.00	14.16
(2)	.16	.16	.03	.00	.00	.00	.03	.03	.00	.00	.00	.11	.00	.05	.08	.24	.00	.89
8.1-10.0	8	4	0	0	0	0	6	0	0	0	0	2	6	5	5	9	0	45
(1)	3.43	1.72	.00	.00	.00	.00	2.58	.00	.00	.00	.00	.86	2.58	2.15	2.15	3.86	.00	19.31
(2)	.22	.11	.00	.00	.00	.00	.16	.00	.00	.00	.00	.05	.16	.14	.14	.24	.00	1.22
10.1-40.3	5	1	0	0	0	0	5	0	0	0	0	8	17	33	23	6	0	98
(1)	2.15	.43	.00	.00	.00	.00	2.15	.00	.00	.00	.00	3.43	7.30	14.16	9.87	2.58	.00	42.06
(2)	.14	.03	.00	.00	.00	.00	.14	.00	.00	.00	.00	.22	.46	.89	.62	.16	.00	2.65
ALL SPEEDS	32	21	6	1	1	1	13	2	4	1	0	16	25	42	35	33	0	233
(1)	13.73	9.01	2.58	.43	.43	.43	5.58	.86	1.72	.43	.00	6.87	10.73	18.03	15.02	14.16	.00	100.00
(2)	.87	.57	.16	.03	.03	.03	.35	.05	.11	.03	.00	.43	.68	1.14	.95	.89	.00	6.30

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Table 2.3-65—{NMPNS 200 ft (61-m) 2001-2005 March JFD}

(Page 3 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 6.73

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00	.00	.40
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
2.1- 3.0	1	3	3	0	1	1	2	1	0	0	1	0	0	0	0	0	0	13
(1)	.40	1.20	1.20	.00	.40	.40	.80	.40	.00	.00	.40	.00	.00	.00	.00	.00	.00	5.22
(2)	.03	.08	.08	.00	.03	.03	.05	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.35
3.1- 4.0	2	1	4	1	0	7	1	0	0	0	0	1	2	2	1	1	0	23
(1)	.80	.40	1.61	.40	.00	2.81	.40	.00	.00	.00	.00	.40	.80	.80	.40	.40	.00	9.24
(2)	.05	.03	.11	.03	.00	.19	.03	.00	.00	.00	.00	.03	.05	.05	.03	.03	.00	.62
4.1- 5.0	2	2	2	0	0	0	1	0	2	1	0	1	1	2	2	0	0	16
(1)	.80	.80	.80	.00	.00	.00	.40	.00	.80	.40	.00	.40	.40	.80	.80	.00	.00	6.43
(2)	.05	.05	.05	.00	.00	.00	.03	.00	.05	.03	.00	.03	.03	.05	.05	.00	.00	.43
5.1- 6.0	4	4	3	0	0	3	3	6	1	0	0	2	2	3	5	1	0	37
(1)	1.61	1.61	1.20	.00	.00	1.20	1.20	2.41	.40	.00	.00	.80	.80	1.20	2.01	.40	.00	14.86
(2)	.11	.11	.08	.00	.00	.08	.08	.16	.03	.00	.00	.05	.05	.08	.14	.03	.00	1.00
6.1- 8.0	6	6	2	0	0	0	3	2	1	0	2	4	6	11	6	2	0	51
(1)	2.41	2.41	.80	.00	.00	.00	1.20	.80	.40	.00	.80	1.61	2.41	4.42	2.41	.80	.00	20.48
(2)	.16	.16	.05	.00	.00	.00	.08	.05	.03	.00	.05	.11	.16	.30	.16	.05	.00	1.38
8.1-10.0	4	3	1	0	0	0	1	1	1	0	1	1	6	8	6	5	0	38
(1)	1.61	1.20	.40	.00	.00	.00	.40	.40	.40	.00	.40	.40	2.41	3.21	2.41	2.01	.00	15.26
(2)	.11	.08	.03	.00	.00	.00	.03	.03	.03	.00	.03	.03	.16	.22	.16	.14	.00	1.03
10.1-40.3	6	4	0	0	0	0	1	1	0	0	1	11	21	11	3	11	0	70
(1)	2.41	1.61	.00	.00	.00	.00	.40	.40	.00	.00	.40	4.42	8.43	4.42	1.20	4.42	.00	28.11
(2)	.16	.11	.00	.00	.00	.00	.03	.03	.00	.00	.03	.30	.57	.30	.08	.30	.00	1.89
ALL SPEEDS	25	23	15	1	1	11	12	11	5	1	5	20	38	38	23	20	0	249
(1)	10.04	9.24	6.02	.40	.40	4.42	4.82	4.42	2.01	.40	2.01	8.03	15.26	15.26	9.24	8.03	.00	100.00
(2)	.68	.62	.41	.03	.03	.30	.32	.30	.14	.03	.14	.54	1.03	1.03	.62	.54	.00	6.73

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Table 2.3-65—{NMPNS 200 ft (61-m) 2001-2005 March JFD}

(Page 4 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 47.61

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	3	0	0	2	1	0	1	0	1	1	0	1	0	0	1	0	11
(1)	.00	.17	.00	.00	.11	.06	.00	.06	.00	.06	.06	.00	.06	.00	.00	.06	.00	.62
(2)	.00	.08	.00	.00	.05	.03	.00	.03	.00	.03	.03	.00	.03	.00	.00	.03	.00	.30
1.1- 1.5	2	1	4	5	2	2	0	1	1	0	1	0	1	2	1	1	0	24
(1)	.11	.06	.23	.28	.11	.11	.00	.06	.06	.00	.06	.00	.06	.11	.06	.06	.00	1.36
(2)	.05	.03	.11	.14	.05	.05	.00	.03	.03	.00	.03	.00	.03	.05	.03	.03	.00	.65
1.6- 2.0	4	2	3	4	6	2	5	4	2	1	1	3	3	3	2	5	0	50
(1)	.23	.11	.17	.23	.34	.11	.28	.23	.11	.06	.06	.17	.17	.17	.11	.28	.00	2.84
(2)	.11	.05	.08	.11	.16	.05	.14	.11	.05	.03	.03	.08	.08	.08	.05	.14	.00	1.35
2.1- 3.0	10	22	16	14	13	4	10	8	5	6	4	6	8	1	4	8	0	139
(1)	.57	1.25	.91	.80	.74	.23	.57	.45	.28	.34	.23	.34	.45	.06	.23	.45	.00	7.89
(2)	.27	.59	.43	.38	.35	.11	.27	.22	.14	.16	.11	.16	.22	.03	.11	.22	.00	3.76
3.1- 4.0	7	10	16	16	6	7	14	8	10	6	2	9	12	14	14	6	0	157
(1)	.40	.57	.91	.91	.34	.40	.80	.45	.57	.34	.11	.51	.68	.80	.80	.34	.00	8.92
(2)	.19	.27	.43	.43	.16	.19	.38	.22	.27	.16	.05	.24	.32	.38	.38	.16	.00	4.24
4.1- 5.0	8	12	14	6	8	7	25	17	7	11	5	13	5	8	9	5	0	160
(1)	.45	.68	.80	.34	.45	.40	1.42	.97	.40	.62	.28	.74	.28	.45	.51	.28	.00	9.09
(2)	.22	.32	.38	.16	.22	.19	.68	.46	.19	.30	.14	.35	.14	.22	.24	.14	.00	4.33
5.1- 6.0	6	8	15	4	5	19	28	26	12	16	4	22	11	18	9	8	0	211
(1)	.34	.45	.85	.23	.28	1.08	1.59	1.48	.68	.91	.23	1.25	.62	1.02	.51	.45	.00	11.98
(2)	.16	.22	.41	.11	.14	.51	.76	.70	.32	.43	.11	.59	.30	.49	.24	.22	.00	5.70
6.1- 8.0	10	27	14	0	4	18	51	44	32	37	21	33	35	29	16	7	0	378
(1)	.57	1.53	.80	.00	.23	1.02	2.90	2.50	1.82	2.10	1.19	1.87	1.99	1.65	.91	.40	.00	21.47
(2)	.27	.73	.38	.00	.11	.49	1.38	1.19	.87	1.00	.57	.89	.95	.78	.43	.19	.00	10.22
8.1-10.0	13	36	15	0	0	2	24	31	8	2	6	32	47	25	24	9	0	274
(1)	.74	2.04	.85	.00	.00	.11	1.36	1.76	.45	.11	.34	1.82	2.67	1.42	1.36	.51	.00	15.56
(2)	.35	.97	.41	.00	.00	.05	.65	.84	.22	.05	.16	.87	1.27	.68	.65	.24	.00	7.41
10.1-40.3	17	41	4	0	0	2	20	29	7	0	3	55	101	56	12	10	0	357
(1)	.97	2.33	.23	.00	.00	.11	1.14	1.65	.40	.00	.17	3.12	5.74	3.18	.68	.57	.00	20.27
(2)	.46	1.11	.11	.00	.00	.05	.54	.78	.19	.00	.08	1.49	2.73	1.51	.32	.27	.00	9.65
ALL SPEEDS	77	162	101	49	46	64	177	169	84	80	48	173	224	156	91	60	0	1761
(1)	4.37	9.20	5.74	2.78	2.61	3.63	10.05	9.60	4.77	4.54	2.73	9.82	12.72	8.86	5.17	3.41	.00	100.00
(2)	2.08	4.38	2.73	1.32	1.24	1.73	4.79	4.57	2.27	2.16	1.30	4.68	6.06	4.22	2.46	1.62	.00	47.61

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Table 2.3-65—{NMPNS 200 ft (61-m) 2001-2005 March JFD}

(Page 5 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 23.41

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	1	0	0	1	1	1	0	1	0	1	0	1	0	0	0	8
(1)	.00	.12	.12	.00	.00	.12	.12	.12	.00	.12	.00	.12	.00	.12	.00	.00	.00	.92
(2)	.00	.03	.03	.00	.00	.03	.03	.03	.00	.03	.00	.03	.00	.03	.00	.00	.00	.22
1.1- 1.5	4	2	5	1	1	0	0	1	1	1	0	1	4	3	0	2	0	26
(1)	.46	.23	.58	.12	.12	.00	.00	.12	.12	.12	.00	.12	.46	.35	.00	.23	.00	3.00
(2)	.11	.05	.14	.03	.03	.00	.00	.03	.03	.03	.00	.03	.11	.08	.00	.05	.00	.70
1.6- 2.0	0	0	7	5	2	1	1	0	2	0	2	2	2	0	1	2	0	27
(1)	.00	.00	.81	.58	.23	.12	.12	.00	.23	.00	.23	.23	.23	.00	.12	.23	.00	3.12
(2)	.00	.00	.19	.14	.05	.03	.03	.00	.05	.00	.05	.05	.05	.00	.03	.05	.00	.73
2.1- 3.0	7	2	7	13	10	4	3	3	5	1	4	2	6	5	3	1	0	76
(1)	.81	.23	.81	1.50	1.15	.46	.35	.35	.58	.12	.46	.23	.69	.58	.35	.12	.00	8.78
(2)	.19	.05	.19	.35	.27	.11	.08	.08	.14	.03	.11	.05	.16	.14	.08	.03	.00	2.05
3.1- 4.0	2	5	10	6	11	7	8	7	1	3	6	7	4	3	1	2	0	83
(1)	.23	.58	1.15	.69	1.27	.81	.92	.81	.12	.35	.69	.81	.46	.35	.12	.23	.00	9.58
(2)	.05	.14	.27	.16	.30	.19	.22	.19	.03	.08	.16	.19	.11	.08	.03	.05	.00	2.24
4.1- 5.0	2	6	5	6	5	13	10	9	6	6	8	11	4	5	2	1	0	99
(1)	.23	.69	.58	.69	.58	1.50	1.15	1.04	.69	.69	.92	1.27	.46	.58	.23	.12	.00	11.43
(2)	.05	.16	.14	.16	.14	.35	.27	.24	.16	.16	.22	.30	.11	.14	.05	.03	.00	2.68
5.1- 6.0	1	5	4	2	2	11	16	9	9	6	2	8	9	1	2	3	0	90
(1)	.12	.58	.46	.23	.23	1.27	1.85	1.04	1.04	.69	.23	.92	1.04	.12	.23	.35	.00	10.39
(2)	.03	.14	.11	.05	.05	.30	.43	.24	.24	.16	.05	.22	.24	.03	.05	.08	.00	2.43
6.1- 8.0	4	6	0	0	0	13	51	51	24	14	6	26	12	6	7	2	0	222
(1)	.46	.69	.00	.00	.00	1.50	5.89	5.89	2.77	1.62	.69	3.00	1.39	.69	.81	.23	.00	25.64
(2)	.11	.16	.00	.00	.00	.35	1.38	1.38	.65	.38	.16	.70	.32	.16	.19	.05	.00	6.00
8.1-10.0	8	8	1	0	0	4	19	44	21	3	4	22	19	1	1	0	0	155
(1)	.92	.92	.12	.00	.00	.46	2.19	5.08	2.42	.35	.46	2.54	2.19	.12	.12	.00	.00	17.90
(2)	.22	.22	.03	.00	.00	.11	.51	1.19	.57	.08	.11	.59	.51	.03	.03	.00	.00	4.19
10.1-40.3	5	11	0	0	0	0	1	11	0	2	1	24	22	3	0	0	0	80
(1)	.58	1.27	.00	.00	.00	.00	.12	1.27	.00	.23	.12	2.77	2.54	.35	.00	.00	.00	9.24
(2)	.14	.30	.00	.00	.00	.00	.03	.30	.00	.05	.03	.65	.59	.08	.00	.00	.00	2.16
ALL SPEEDS	33	46	40	33	31	54	110	136	69	37	33	104	82	28	17	13	0	866
(1)	3.81	5.31	4.62	3.81	3.58	6.24	12.70	15.70	7.97	4.27	3.81	12.01	9.47	3.23	1.96	1.50	.00	100.00
(2)	.89	1.24	1.08	.89	.84	1.46	2.97	3.68	1.87	1.00	.89	2.81	2.22	.76	.46	.35	.00	23.41

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Table 2.3-65—{NMPNS 200 ft (61-m) 2001-2005 March JFD}

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NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 5.19

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	3
(1)	.00	.00	.00	.52	.00	.00	.00	.00	.52	.00	.52	.00	.00	.00	.00	.00	.00	1.56
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.08
1.1- 1.5	0	0	1	2	0	1	1	1	0	0	1	1	1	0	1	0	0	10
(1)	.00	.00	.52	1.04	.00	.52	.52	.52	.00	.00	.52	.52	.52	.00	.52	.00	.00	5.21
(2)	.00	.00	.03	.05	.00	.03	.03	.03	.00	.00	.03	.03	.03	.00	.03	.00	.00	.27
1.6- 2.0	1	0	2	0	0	2	0	1	0	1	2	3	1	1	0	0	0	14
(1)	.52	.00	1.04	.00	.00	1.04	.00	.52	.00	.52	1.04	1.56	.52	.52	.00	.00	.00	7.29
(2)	.03	.00	.05	.00	.00	.05	.00	.03	.00	.03	.05	.08	.03	.03	.00	.00	.00	.38
2.1- 3.0	0	2	1	1	1	1	2	2	1	2	3	4	4	1	0	0	0	25
(1)	.00	1.04	.52	.52	.52	.52	1.04	1.04	.52	1.04	1.56	2.08	2.08	.52	.00	.00	.00	13.02
(2)	.00	.05	.03	.03	.03	.03	.05	.05	.03	.05	.08	.11	.11	.03	.00	.00	.00	.68
3.1- 4.0	2	1	3	6	4	1	3	1	2	2	2	0	1	3	2	0	0	33
(1)	1.04	.52	1.56	3.13	2.08	.52	1.56	.52	1.04	1.04	1.04	.00	.52	1.56	1.04	.00	.00	17.19
(2)	.05	.03	.08	.16	.11	.03	.08	.03	.05	.05	.05	.00	.03	.08	.05	.00	.00	.89
4.1- 5.0	0	3	1	3	0	3	1	2	1	2	1	3	0	0	1	1	0	22
(1)	.00	1.56	.52	1.56	.00	1.56	.52	1.04	.52	1.04	.52	1.56	.00	.00	.52	.52	.00	11.46
(2)	.00	.08	.03	.08	.00	.08	.03	.05	.03	.05	.03	.08	.00	.00	.03	.03	.00	.59
5.1- 6.0	2	1	0	0	3	0	3	5	6	2	2	2	3	0	0	0	0	29
(1)	1.04	.52	.00	.00	1.56	.00	1.56	2.60	3.13	1.04	1.04	1.04	1.56	.00	.00	.00	.00	15.10
(2)	.05	.03	.00	.00	.08	.00	.08	.14	.16	.05	.05	.05	.08	.00	.00	.00	.00	.78
6.1- 8.0	1	3	0	0	1	3	3	8	6	4	1	1	4	0	1	1	0	37
(1)	.52	1.56	.00	.00	.52	1.56	1.56	4.17	3.13	2.08	.52	.52	2.08	.00	.52	.52	.00	19.27
(2)	.03	.08	.00	.00	.03	.08	.08	.22	.16	.11	.03	.03	.11	.00	.03	.03	.00	1.00
8.1-10.0	2	3	0	0	0	0	1	0	1	0	0	2	4	1	0	0	0	14
(1)	1.04	1.56	.00	.00	.00	.00	.52	.00	.52	.00	.00	1.04	2.08	.52	.00	.00	.00	7.29
(2)	.05	.08	.00	.00	.00	.00	.03	.00	.03	.00	.00	.05	.11	.03	.00	.00	.00	.38
10.1-40.3	1	1	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	5
(1)	.52	.52	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	1.04	.00	.00	.00	.00	2.60
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.05	.00	.00	.00	.00	.14
ALL SPEEDS	9	14	8	13	9	11	14	20	18	13	13	17	20	6	5	2	0	192
(1)	4.69	7.29	4.17	6.77	4.69	5.73	7.29	10.42	9.37	6.77	6.77	8.85	10.42	3.13	2.60	1.04	.00	100.00
(2)	.24	.38	.22	.35	.24	.30	.38	.54	.49	.35	.35	.46	.54	.16	.14	.05	.00	5.19

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Table 2.3-65—{NMPNS 200 ft (61-m) 2001-2005 March JFD}

(Page 7 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 3.19

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	5
(1)	.85	.85	.85	.85	.85	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.24
(2)	.03	.03	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14
1.1- 1.5	0	0	0	1	1	2	1	0	1	1	1	1	1	0	0	0	0	10
(1)	.00	.00	.00	.85	.85	1.69	.85	.00	.85	.85	.85	.85	.85	.00	.00	.00	.00	8.47
(2)	.00	.00	.00	.03	.03	.05	.03	.00	.03	.03	.03	.03	.03	.00	.00	.00	.00	.27
1.6- 2.0	0	0	0	1	1	2	1	0	0	1	1	0	3	1	0	0	0	11
(1)	.00	.00	.00	.85	.85	1.69	.85	.00	.00	.85	.85	.00	2.54	.85	.00	.00	.00	9.32
(2)	.00	.00	.00	.03	.03	.05	.03	.00	.00	.03	.03	.00	.08	.03	.00	.00	.00	.30
2.1- 3.0	0	2	0	2	3	3	1	2	0	2	8	2	2	0	0	2	0	29
(1)	.00	1.69	.00	1.69	2.54	2.54	.85	1.69	.00	1.69	6.78	1.69	1.69	.00	.00	1.69	.00	24.58
(2)	.00	.05	.00	.05	.08	.08	.03	.05	.00	.05	.22	.05	.05	.00	.00	.05	.00	.78
3.1- 4.0	1	0	1	1	1	0	1	1	1	4	1	4	0	0	0	0	0	16
(1)	.85	.00	.85	.85	.85	.00	.85	.85	.85	3.39	.85	3.39	.00	.00	.00	.00	.00	13.56
(2)	.03	.00	.03	.03	.03	.00	.03	.03	.03	.11	.03	.11	.00	.00	.00	.00	.00	.43
4.1- 5.0	1	0	0	0	3	2	5	2	3	1	0	1	0	0	1	0	0	19
(1)	.85	.00	.00	.00	2.54	1.69	4.24	1.69	2.54	.85	.00	.85	.00	.00	.85	.00	.00	16.10
(2)	.03	.00	.00	.00	.08	.05	.14	.05	.08	.03	.00	.03	.00	.00	.03	.00	.00	.51
5.1- 6.0	0	0	0	0	0	1	1	2	3	2	0	1	0	0	1	1	0	12
(1)	.00	.00	.00	.00	.00	.85	.85	1.69	2.54	1.69	.00	.85	.00	.00	.85	.85	.00	10.17
(2)	.00	.00	.00	.00	.00	.03	.03	.05	.08	.05	.00	.03	.00	.00	.03	.03	.00	.32
6.1- 8.0	0	1	0	0	0	2	2	1	0	0	0	0	2	0	1	0	0	9
(1)	.00	.85	.00	.00	.00	1.69	1.69	.85	.00	.00	.00	.00	1.69	.00	.85	.00	.00	7.63
(2)	.00	.03	.00	.00	.00	.05	.05	.03	.00	.00	.00	.00	.05	.00	.03	.00	.00	.24
8.1-10.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3
(1)	.85	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.69	.00	.00	2.54
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.08
10.1-40.3	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4
(1)	1.69	.85	.00	.00	.00	.00	.00	.00	.00	.00	.00	.85	.00	.00	.00	.00	.00	3.39
(2)	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.11
ALL SPEEDS	6	5	2	6	10	12	12	8	8	11	11	10	8	1	5	3	0	118
(1)	5.08	4.24	1.69	5.08	8.47	10.17	10.17	6.78	6.78	9.32	9.32	8.47	6.78	.85	4.24	2.54	.00	100.00
(2)	.16	.14	.05	.16	.27	.32	.32	.22	.22	.30	.30	.27	.22	.03	.14	.08	.00	3.19

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Table 2.3-65—{NMPNS 200 ft (61-m) 2001-2005 March JFD}

(Page 8 of 8)

NMP MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	5	2	2	3	2	1	2	1	2	2	1	1	1	0	1	0	27
(1)	.03	.14	.05	.05	.08	.05	.03	.05	.03	.05	.05	.03	.03	.03	.00	.03	.00	.73
(2)	.03	.14	.05	.05	.08	.05	.03	.05	.03	.05	.05	.03	.03	.03	.00	.03	.00	.73
1.1- 1.5	6	3	10	9	4	5	2	3	3	2	3	3	7	5	2	4	0	71
(1)	.16	.08	.27	.24	.11	.14	.05	.08	.08	.05	.08	.08	.19	.14	.05	.11	.00	1.92
(2)	.16	.08	.27	.24	.11	.14	.05	.08	.08	.05	.08	.08	.19	.14	.05	.11	.00	1.92
1.6- 2.0	5	2	12	10	9	7	7	5	4	3	6	8	9	6	4	8	0	105
(1)	.14	.05	.32	.27	.24	.19	.19	.14	.11	.08	.16	.22	.24	.16	.11	.22	.00	2.84
(2)	.14	.05	.32	.27	.24	.19	.19	.14	.11	.08	.16	.22	.24	.16	.11	.22	.00	2.84
2.1- 3.0	19	36	28	30	28	13	18	16	11	12	20	14	20	7	9	14	0	295
(1)	.51	.97	.76	.81	.76	.35	.49	.43	.30	.32	.54	.38	.54	.19	.24	.38	.00	7.98
(2)	.51	.97	.76	.81	.76	.35	.49	.43	.30	.32	.54	.38	.54	.19	.24	.38	.00	7.98
3.1- 4.0	26	23	39	31	23	22	27	17	15	15	11	22	20	25	26	18	0	360
(1)	.70	.62	1.05	.84	.62	.59	.73	.46	.41	.41	.30	.59	.54	.68	.70	.49	.00	9.73
(2)	.70	.62	1.05	.84	.62	.59	.73	.46	.41	.41	.30	.59	.54	.68	.70	.49	.00	9.73
4.1- 5.0	24	28	22	15	18	26	42	30	22	21	14	29	12	16	17	11	0	347
(1)	.65	.76	.59	.41	.49	.70	1.14	.81	.59	.57	.38	.78	.32	.43	.46	.30	.00	9.38
(2)	.65	.76	.59	.41	.49	.70	1.14	.81	.59	.57	.38	.78	.32	.43	.46	.30	.00	9.38
5.1- 6.0	21	26	26	6	10	36	53	49	31	26	8	36	25	24	18	20	0	415
(1)	.57	.70	.70	.16	.27	.97	1.43	1.32	.84	.70	.22	.97	.68	.65	.49	.54	.00	11.22
(2)	.57	.70	.70	.16	.27	.97	1.43	1.32	.84	.70	.22	.97	.68	.65	.49	.54	.00	11.22
6.1- 8.0	34	64	17	0	5	36	114	107	63	55	30	68	59	49	35	25	0	761
(1)	.92	1.73	.46	.00	.14	.97	3.08	2.89	1.70	1.49	.81	1.84	1.60	1.32	.95	.68	.00	20.57
(2)	.92	1.73	.46	.00	.14	.97	3.08	2.89	1.70	1.49	.81	1.84	1.60	1.32	.95	.68	.00	20.57
8.1-10.0	42	58	17	0	0	6	52	76	31	5	11	59	83	40	44	34	0	558
(1)	1.14	1.57	.46	.00	.00	.16	1.41	2.05	.84	.14	.30	1.60	2.24	1.08	1.19	.92	.00	15.09
(2)	1.14	1.57	.46	.00	.00	.16	1.41	2.05	.84	.14	.30	1.60	2.24	1.08	1.19	.92	.00	15.09
10.1-40.3	38	65	4	0	0	2	29	41	7	2	5	116	195	139	83	34	0	760
(1)	1.03	1.76	.11	.00	.00	.05	.78	1.11	.19	.05	.14	3.14	5.27	3.76	2.24	.92	.00	20.55
(2)	1.03	1.76	.11	.00	.00	.05	.78	1.11	.19	.05	.14	3.14	5.27	3.76	2.24	.92	.00	20.55
ALL SPEEDS	216	310	177	103	100	155	345	346	188	143	110	356	431	312	238	169	0	3699
(1)	5.84	8.38	4.79	2.78	2.70	4.19	9.33	9.35	5.08	3.87	2.97	9.62	11.65	8.43	6.43	4.57	.00	100.00
(2)	5.84	8.38	4.79	2.78	2.70	4.19	9.33	9.35	5.08	3.87	2.97	9.62	11.65	8.43	6.43	4.57	.00	100.00

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Table 2.3-66—{NMPNS 200 ft (61-m) 2001-2005 April JFD}

(Page 1 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 4.42

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.64	.00	.00	.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03
2.1- 3.0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	2	0	9
(1)	.64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.64	3.18	1.27	.00	5.73
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.14	.06	.00	.25
3.1- 4.0	0	2	1	0	0	0	0	0	0	0	0	0	0	2	5	3	0	13
(1)	.00	1.27	.64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.27	3.18	1.91	.00	8.28
(2)	.00	.06	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.14	.08	.00	.37
4.1- 5.0	2	0	0	0	0	0	0	0	0	0	0	1	0	1	2	3	0	9
(1)	1.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.64	.00	.64	1.27	1.91	.00	5.73
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.06	.08	.00	.25
5.1- 6.0	1	2	0	0	0	0	0	0	0	0	0	2	0	0	1	7	0	13
(1)	.64	1.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.27	.00	.00	.64	4.46	.00	8.28
(2)	.03	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.03	.20	.00	.37
6.1- 8.0	7	8	0	0	0	0	2	1	0	0	0	11	0	2	1	9	0	41
(1)	4.46	5.10	.00	.00	.00	.00	1.27	.64	.00	.00	.00	7.01	.00	1.27	.64	5.73	.00	26.11
(2)	.20	.23	.00	.00	.00	.00	.06	.03	.00	.00	.00	.31	.00	.06	.03	.25	.00	1.15
8.1-10.0	1	5	1	0	0	0	0	1	0	0	0	4	2	2	4	4	0	24
(1)	.64	3.18	.64	.00	.00	.00	.00	.64	.00	.00	.00	2.55	1.27	1.27	2.55	2.55	.00	15.29
(2)	.03	.14	.03	.00	.00	.00	.00	.03	.00	.00	.00	.11	.06	.06	.11	.11	.00	.68
10.1-40.3	5	4	0	0	0	0	0	2	0	0	0	1	7	8	2	18	0	47
(1)	3.18	2.55	.00	.00	.00	.00	.00	1.27	.00	.00	.00	.64	4.46	5.10	1.27	11.46	.00	29.94
(2)	.14	.11	.00	.00	.00	.00	.00	.06	.00	.00	.00	.03	.20	.23	.06	.51	.00	1.32
ALL SPEEDS	17	21	2	0	0	0	2	4	0	0	0	19	9	16	21	46	0	157
(1)	10.83	13.38	1.27	.00	.00	.00	1.27	2.55	.00	.00	.00	12.10	5.73	10.19	13.38	29.30	.00	100.00
(2)	.48	.59	.06	.00	.00	.00	.06	.11	.00	.00	.00	.54	.25	.45	.59	1.30	.00	4.42

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Table 2.3-66—{NMPNS 200 ft (61-m) 2001-2005 April JFD}

(Page 2 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.86

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.73	.00	.00	.00	.73
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
2.1- 3.0	1	2	0	0	0	0	1	0	0	0	0	0	1	2	0	0	0	7
(1)	.73	1.46	.00	.00	.00	.00	.73	.00	.00	.00	.00	.00	.73	1.46	.00	.00	.00	5.11
(2)	.03	.06	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03	.06	.00	.00	.00	.20
3.1- 4.0	3	4	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	11
(1)	2.19	2.92	.00	.00	.00	.00	.00	1.46	.00	.00	.00	.00	1.46	.00	.00	.00	.00	8.03
(2)	.08	.11	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.06	.00	.00	.00	.00	.31
4.1- 5.0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	2	0	6
(1)	.00	.00	.00	.00	.00	.00	1.46	.00	.00	.00	.00	.00	.00	.00	1.46	1.46	.00	4.38
(2)	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.06	.06	.00	.17
5.1- 6.0	0	0	0	0	0	0	0	1	0	0	0	6	0	0	0	3	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.73	.00	.00	.00	4.38	.00	.00	.00	2.19	.00	7.30
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.17	.00	.00	.00	.08	.00	.28
6.1- 8.0	4	0	1	0	0	1	0	2	0	0	0	10	2	3	3	2	0	28
(1)	2.92	.00	.73	.00	.00	.73	.00	1.46	.00	.00	.00	7.30	1.46	2.19	2.19	1.46	.00	20.44
(2)	.11	.00	.03	.00	.00	.03	.00	.06	.00	.00	.00	.28	.06	.08	.08	.06	.00	.79
8.1-10.0	1	1	0	0	0	0	0	5	1	0	0	4	3	4	2	2	0	23
(1)	.73	.73	.00	.00	.00	.00	.00	3.65	.73	.00	.00	2.92	2.19	2.92	1.46	1.46	.00	16.79
(2)	.03	.03	.00	.00	.00	.00	.00	.14	.03	.00	.00	.11	.08	.11	.06	.06	.00	.65
10.1-40.3	5	2	0	0	0	0	0	2	0	0	0	7	21	10	1	3	0	51
(1)	3.65	1.46	.00	.00	.00	.00	.00	1.46	.00	.00	.00	5.11	15.33	7.30	.73	2.19	.00	37.23
(2)	.14	.06	.00	.00	.00	.00	.00	.06	.00	.00	.00	.20	.59	.28	.03	.08	.00	1.44
ALL SPEEDS	14	9	1	0	0	1	3	12	1	0	0	27	29	20	8	12	0	137
(1)	10.22	6.57	.73	.00	.00	.73	2.19	8.76	.73	.00	.00	19.71	21.17	14.60	5.84	8.76	.00	100.00
(2)	.39	.25	.03	.00	.00	.03	.08	.34	.03	.00	.00	.76	.82	.56	.23	.34	.00	3.86

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Table 2.3-66—{NMPNS 200 ft (61-m) 2001-2005 April JFD}

(Page 3 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 6.65

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	.00	.42
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	1	1	2	0	0	0	0	0	0	0	0	1	0	2	1	1	0	9
(1)	.42	.42	.85	.00	.00	.00	.00	.00	.00	.00	.00	.42	.00	.85	.42	.42	.00	3.81
(2)	.03	.03	.06	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.06	.03	.03	.00	.25
3.1- 4.0	3	1	1	0	0	0	1	0	1	0	1	0	4	3	1	0	0	16
(1)	1.27	.42	.42	.00	.00	.00	.42	.00	.42	.00	.42	.00	1.69	1.27	.42	.00	.00	6.78
(2)	.08	.03	.03	.00	.00	.00	.03	.00	.03	.00	.03	.00	.11	.08	.03	.00	.00	.45
4.1- 5.0	3	5	1	0	0	1	1	0	3	1	0	8	1	3	2	2	0	31
(1)	1.27	2.12	.42	.00	.00	.42	.42	.00	1.27	.42	.00	3.39	.42	1.27	.85	.85	.00	13.14
(2)	.08	.14	.03	.00	.00	.03	.03	.00	.08	.03	.00	.23	.03	.08	.06	.06	.00	.87
5.1- 6.0	2	0	0	0	1	1	1	3	2	1	0	10	3	0	1	1	0	26
(1)	.85	.00	.00	.00	.42	.42	.42	1.27	.85	.42	.00	4.24	1.27	.00	.42	.42	.00	11.02
(2)	.06	.00	.00	.00	.03	.03	.03	.08	.06	.03	.00	.28	.08	.00	.03	.03	.00	.73
6.1- 8.0	4	5	1	0	0	3	3	7	0	0	0	12	10	7	7	3	0	62
(1)	1.69	2.12	.42	.00	.00	1.27	1.27	2.97	.00	.00	.00	5.08	4.24	2.97	2.97	1.27	.00	26.27
(2)	.11	.14	.03	.00	.00	.08	.08	.20	.00	.00	.00	.34	.28	.20	.20	.08	.00	1.75
8.1-10.0	2	4	0	0	0	0	0	2	6	0	0	6	12	10	2	3	0	47
(1)	.85	1.69	.00	.00	.00	.00	.00	.85	2.54	.00	.00	2.54	5.08	4.24	.85	1.27	.00	19.92
(2)	.06	.11	.00	.00	.00	.00	.00	.06	.17	.00	.00	.17	.34	.28	.06	.08	.00	1.32
10.1-40.3	3	2	0	0	0	0	3	2	2	0	0	6	13	5	5	3	0	44
(1)	1.27	.85	.00	.00	.00	.00	1.27	.85	.85	.00	.00	2.54	5.51	2.12	2.12	1.27	.00	18.64
(2)	.08	.06	.00	.00	.00	.00	.08	.06	.06	.00	.00	.17	.37	.14	.14	.08	.00	1.24
ALL SPEEDS	18	18	5	0	1	5	9	14	14	2	1	43	43	30	19	14	0	236
(1)	7.63	7.63	2.12	.00	.42	2.12	3.81	5.93	5.93	.85	.42	18.22	18.22	12.71	8.05	5.93	.00	100.00
(2)	.51	.51	.14	.00	.03	.14	.25	.39	.39	.06	.03	1.21	1.21	.84	.54	.39	.00	6.65

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Table 2.3-66—{NMPNS 200 ft (61-m) 2001-2005 April JFD}

(Page 4 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 37.51

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	1	0	1	0	0	2	0	1	1	0	0	0	0	0	1	0	8
(1)	.08	.08	.00	.08	.00	.00	.15	.00	.08	.08	.00	.00	.00	.00	.00	.08	.00	.60
(2)	.03	.03	.00	.03	.00	.00	.06	.00	.03	.03	.00	.00	.00	.00	.00	.03	.00	.23
1.1- 1.5	1	0	3	1	4	0	0	1	0	2	1	0	0	1	3	3	0	20
(1)	.08	.00	.23	.08	.30	.00	.00	.08	.00	.15	.08	.00	.00	.08	.23	.23	.00	1.50
(2)	.03	.00	.08	.03	.11	.00	.00	.03	.00	.06	.03	.00	.00	.03	.08	.08	.00	.56
1.6- 2.0	3	0	2	3	3	2	1	2	0	1	2	1	1	3	1	2	0	27
(1)	.23	.00	.15	.23	.23	.15	.08	.15	.00	.08	.15	.08	.08	.23	.08	.15	.00	2.03
(2)	.08	.00	.06	.08	.08	.06	.03	.06	.00	.03	.06	.03	.03	.08	.03	.06	.00	.76
2.1- 3.0	1	6	19	3	4	4	4	5	1	3	1	10	15	3	2	7	0	88
(1)	.08	.45	1.43	.23	.30	.30	.30	.38	.08	.23	.08	.75	1.13	.23	.15	.53	.00	6.61
(2)	.03	.17	.54	.08	.11	.11	.11	.14	.03	.08	.03	.28	.42	.08	.06	.20	.00	2.48
3.1- 4.0	5	10	20	2	9	3	11	3	4	2	2	22	21	6	5	2	0	127
(1)	.38	.75	1.50	.15	.68	.23	.83	.23	.30	.15	.15	1.65	1.58	.45	.38	.15	.00	9.53
(2)	.14	.28	.56	.06	.25	.08	.31	.08	.11	.06	.06	.62	.59	.17	.14	.06	.00	3.58
4.1- 5.0	7	15	8	7	8	10	6	6	9	2	4	19	31	11	9	6	0	158
(1)	.53	1.13	.60	.53	.60	.75	.45	.45	.68	.15	.30	1.43	2.33	.83	.68	.45	.00	11.86
(2)	.20	.42	.23	.20	.23	.28	.17	.17	.25	.06	.11	.54	.87	.31	.25	.17	.00	4.45
5.1- 6.0	11	15	9	1	8	18	27	13	4	1	7	24	19	6	6	7	0	176
(1)	.83	1.13	.68	.08	.60	1.35	2.03	.98	.30	.08	.53	1.80	1.43	.45	.45	.53	.00	13.21
(2)	.31	.42	.25	.03	.23	.51	.76	.37	.11	.03	.20	.68	.54	.17	.17	.20	.00	4.96
6.1- 8.0	12	30	5	0	5	26	44	32	26	5	9	42	31	18	15	18	0	318
(1)	.90	2.25	.38	.00	.38	1.95	3.30	2.40	1.95	.38	.68	3.15	2.33	1.35	1.13	1.35	.00	23.87
(2)	.34	.84	.14	.00	.14	.73	1.24	.90	.73	.14	.25	1.18	.87	.51	.42	.51	.00	8.96
8.1-10.0	6	29	0	0	4	8	28	24	19	2	5	32	24	11	10	19	0	221
(1)	.45	2.18	.00	.00	.30	.60	2.10	1.80	1.43	.15	.38	2.40	1.80	.83	.75	1.43	.00	16.59
(2)	.17	.82	.00	.00	.11	.23	.79	.68	.54	.06	.14	.90	.68	.31	.28	.54	.00	6.22
10.1-40.3	20	30	7	0	0	2	18	8	1	0	0	21	64	10	5	3	0	189
(1)	1.50	2.25	.53	.00	.00	.15	1.35	.60	.08	.00	.00	1.58	4.80	.75	.38	.23	.00	14.19
(2)	.56	.84	.20	.00	.00	.06	.51	.23	.03	.00	.00	.59	1.80	.28	.14	.08	.00	5.32
ALL SPEEDS	67	136	73	18	45	73	141	94	65	19	31	171	206	69	56	68	0	1332
(1)	5.03	10.21	5.48	1.35	3.38	5.48	10.59	7.06	4.88	1.43	2.33	12.84	15.47	5.18	4.20	5.11	.00	100.00
(2)	1.89	3.83	2.06	.51	1.27	2.06	3.97	2.65	1.83	.54	.87	4.82	5.80	1.94	1.58	1.91	.00	37.51

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Table 2.3-66—{NMPNS 200 ft (61-m) 2001-2005 April JFD}

(Page 5 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 27.12

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	1	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	8
(1)	.31	.10	.00	.00	.00	.00	.00	.00	.10	.00	.10	.00	.00	.10	.00	.10	.00	.83
(2)	.08	.03	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.03	.00	.03	.00	.23
1.1- 1.5	0	3	1	1	2	1	2	1	1	1	1	2	0	2	0	0	0	18
(1)	.00	.31	.10	.10	.21	.10	.21	.10	.10	.10	.10	.21	.00	.21	.00	.00	.00	1.87
(2)	.00	.08	.03	.03	.06	.03	.06	.03	.03	.03	.03	.06	.00	.06	.00	.00	.00	.51
1.6- 2.0	3	3	5	6	2	0	2	1	1	1	0	3	2	2	1	2	0	34
(1)	.31	.31	.52	.62	.21	.00	.21	.10	.10	.10	.00	.31	.21	.21	.10	.21	.00	3.53
(2)	.08	.08	.14	.17	.06	.00	.06	.03	.03	.03	.00	.08	.06	.06	.03	.06	.00	.96
2.1- 3.0	8	6	11	13	2	3	1	3	1	3	6	9	11	5	4	4	0	90
(1)	.83	.62	1.14	1.35	.21	.31	.10	.31	.10	.31	.62	.93	1.14	.52	.42	.42	.00	9.35
(2)	.23	.17	.31	.37	.06	.08	.03	.08	.03	.08	.17	.25	.31	.14	.11	.11	.00	2.53
3.1- 4.0	8	4	10	12	11	9	3	2	4	0	8	10	14	8	6	4	0	113
(1)	.83	.42	1.04	1.25	1.14	.93	.31	.21	.42	.00	.83	1.04	1.45	.83	.62	.42	.00	11.73
(2)	.23	.11	.28	.34	.31	.25	.08	.06	.11	.00	.23	.28	.39	.23	.17	.11	.00	3.18
4.1- 5.0	12	5	3	2	10	11	4	6	10	4	6	22	13	3	2	5	0	118
(1)	1.25	.52	.31	.21	1.04	1.14	.42	.62	1.04	.42	.62	2.28	1.35	.31	.21	.52	.00	12.25
(2)	.34	.14	.08	.06	.28	.31	.11	.17	.28	.11	.17	.62	.37	.08	.06	.14	.00	3.32
5.1- 6.0	1	5	7	2	1	11	9	8	17	9	6	28	13	13	1	6	0	137
(1)	.10	.52	.73	.21	.10	1.14	.93	.83	1.77	.93	.62	2.91	1.35	1.35	.10	.62	.00	14.23
(2)	.03	.14	.20	.06	.03	.31	.25	.23	.48	.25	.17	.79	.37	.37	.03	.17	.00	3.86
6.1- 8.0	6	14	4	1	3	7	28	40	21	7	8	14	6	6	8	11	0	184
(1)	.62	1.45	.42	.10	.31	.73	2.91	4.15	2.18	.73	.83	1.45	.62	.62	.83	1.14	.00	19.11
(2)	.17	.39	.11	.03	.08	.20	.79	1.13	.59	.20	.23	.39	.17	.17	.23	.31	.00	5.18
8.1-10.0	7	8	2	0	0	2	21	37	19	8	18	12	18	6	2	3	0	163
(1)	.73	.83	.21	.00	.00	.21	2.18	3.84	1.97	.83	1.87	1.25	1.87	.62	.21	.31	.00	16.93
(2)	.20	.23	.06	.00	.00	.06	.59	1.04	.54	.23	.51	.34	.51	.17	.06	.08	.00	4.59
10.1-40.3	11	25	0	0	0	0	7	5	0	0	12	19	14	4	0	1	0	98
(1)	1.14	2.60	.00	.00	.00	.00	.73	.52	.00	.00	1.25	1.97	1.45	.42	.00	.10	.00	10.18
(2)	.31	.70	.00	.00	.00	.00	.20	.14	.00	.00	.34	.54	.39	.11	.00	.03	.00	2.76
ALL SPEEDS	59	74	43	37	31	44	77	103	75	33	66	119	91	50	24	37	0	963
(1)	6.13	7.68	4.47	3.84	3.22	4.57	8.00	10.70	7.79	3.43	6.85	12.36	9.45	5.19	2.49	3.84	.00	100.00
(2)	1.66	2.08	1.21	1.04	.87	1.24	2.17	2.90	2.11	.93	1.86	3.35	2.56	1.41	.68	1.04	.00	27.12

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Table 2.3-66—{NMPNS 200 ft (61-m) 2001-2005 April JFD}

(Page 6 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 11.63

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24
(2)	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.3- .4	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.00	.24	.00	.00	.00	.48
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.06
.5- 1.0	1	1	0	3	1	1	1	0	0	0	1	1	1	2	2	1	0	16
(1)	.24	.24	.00	.73	.24	.24	.24	.00	.00	.00	.24	.24	.24	.48	.48	.24	.00	3.87
(2)	.03	.03	.00	.08	.03	.03	.03	.00	.00	.00	.03	.03	.03	.06	.06	.03	.00	.45
1.1- 1.5	4	0	1	5	0	2	0	1	2	2	1	0	0	0	1	2	0	21
(1)	.97	.00	.24	1.21	.00	.48	.00	.24	.48	.48	.24	.00	.00	.00	.24	.48	.00	5.08
(2)	.11	.00	.03	.14	.00	.06	.00	.03	.06	.06	.03	.00	.00	.00	.03	.06	.00	.59
1.6- 2.0	4	4	6	4	1	1	1	0	0	2	2	1	2	0	4	1	0	33
(1)	.97	.97	1.45	.97	.24	.24	.24	.00	.00	.48	.48	.24	.48	.00	.97	.24	.00	7.99
(2)	.11	.11	.17	.11	.03	.03	.03	.00	.00	.06	.06	.03	.06	.00	.11	.03	.00	.93
2.1- 3.0	4	4	6	3	0	0	2	0	0	4	8	10	8	2	7	3	0	61
(1)	.97	.97	1.45	.73	.00	.00	.48	.00	.00	.97	1.94	2.42	1.94	.48	1.69	.73	.00	14.77
(2)	.11	.11	.17	.08	.00	.00	.06	.00	.00	.11	.23	.28	.23	.06	.20	.08	.00	1.72
3.1- 4.0	5	2	5	9	6	1	2	1	1	3	5	6	6	1	3	4	0	60
(1)	1.21	.48	1.21	2.18	1.45	.24	.48	.24	.24	.73	1.21	1.45	1.45	.24	.73	.97	.00	14.53
(2)	.14	.06	.14	.25	.17	.03	.06	.03	.03	.08	.14	.17	.17	.03	.08	.11	.00	1.69
4.1- 5.0	5	2	3	5	6	1	4	1	1	4	7	7	4	5	2	5	0	62
(1)	1.21	.48	.73	1.21	1.45	.24	.97	.24	.24	.97	1.69	1.69	.97	1.21	.48	1.21	.00	15.01
(2)	.14	.06	.08	.14	.17	.03	.11	.03	.03	.11	.20	.20	.11	.14	.06	.14	.00	1.75
5.1- 6.0	4	2	5	0	1	3	1	1	2	2	4	4	5	1	5	2	0	42
(1)	.97	.48	1.21	.00	.24	.73	.24	.24	.48	.48	.97	.97	1.21	.24	1.21	.48	.00	10.17
(2)	.11	.06	.14	.00	.03	.08	.03	.03	.06	.06	.11	.11	.14	.03	.14	.06	.00	1.18
6.1- 8.0	4	4	1	0	2	4	5	6	13	4	2	5	4	4	0	3	0	61
(1)	.97	.97	.24	.00	.48	.97	1.21	1.45	3.15	.97	.48	1.21	.97	.97	.00	.73	.00	14.77
(2)	.11	.11	.03	.00	.06	.11	.14	.17	.37	.11	.06	.14	.11	.11	.00	.08	.00	1.72
8.1-10.0	4	2	1	0	0	0	4	0	2	0	1	2	4	1	0	1	0	22
(1)	.97	.48	.24	.00	.00	.00	.97	.00	.48	.00	.24	.48	.97	.24	.00	.24	.00	5.33
(2)	.11	.06	.03	.00	.00	.00	.11	.00	.06	.00	.03	.06	.11	.03	.00	.03	.00	.62
10.1-40.3	6	4	0	0	0	0	0	0	0	0	3	11	5	3	0	0	0	32
(1)	1.45	.97	.00	.00	.00	.00	.00	.00	.00	.00	.73	2.66	1.21	.73	.00	.00	.00	7.75
(2)	.17	.11	.00	.00	.00	.00	.00	.00	.00	.00	.08	.31	.14	.08	.00	.00	.00	.90
ALL SPEEDS	41	25	28	29	17	14	20	10	21	21	34	48	39	20	24	22	0	413
(1)	9.93	6.05	6.78	7.02	4.12	3.39	4.84	2.42	5.08	5.08	8.23	11.62	9.44	4.84	5.81	5.33	.00	100.00
(2)	1.15	.70	.79	.82	.48	.39	.56	.28	.59	.59	.96	1.35	1.10	.56	.68	.62	.00	11.63

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Table 2.3-66—{NMPNS 200 ft (61-m) 2001-2005 April JFD}

(Page 7 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 8.81

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.32	.00	.00	.00	.00	.32
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
.3- .4	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.32	.00	.00	.00	.00	.00	.32	.00	.00	.00	.00	.00	.00	.64
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.06
.5- 1.0	0	0	2	2	0	0	1	1	1	0	0	1	1	2	2	0	0	13
(1)	.00	.00	.64	.64	.00	.00	.32	.32	.32	.00	.00	.32	.32	.64	.64	.00	.00	4.15
(2)	.00	.00	.06	.06	.00	.00	.03	.03	.03	.00	.00	.03	.03	.06	.06	.00	.00	.37
1.1- 1.5	1	4	1	1	1	2	0	2	2	4	1	2	2	1	0	1	0	25
(1)	.32	1.28	.32	.32	.32	.64	.00	.64	.64	1.28	.32	.64	.64	.32	.00	.32	.00	7.99
(2)	.03	.11	.03	.03	.03	.06	.00	.06	.06	.11	.03	.06	.06	.03	.00	.03	.00	.70
1.6- 2.0	1	2	0	0	5	2	1	2	1	2	1	3	0	2	1	2	0	25
(1)	.32	.64	.00	.00	1.60	.64	.32	.64	.32	.64	.32	.96	.00	.64	.32	.64	.00	7.99
(2)	.03	.06	.00	.00	.14	.06	.03	.06	.03	.06	.03	.08	.00	.06	.03	.06	.00	.70
2.1- 3.0	4	4	2	8	4	3	6	5	3	5	5	4	3	3	2	1	0	62
(1)	1.28	1.28	.64	2.56	1.28	.96	1.92	1.60	.96	1.60	1.60	1.28	.96	.96	.64	.32	.00	19.81
(2)	.11	.11	.06	.23	.11	.08	.17	.14	.08	.14	.14	.11	.08	.08	.06	.03	.00	1.75
3.1- 4.0	0	1	1	1	8	3	3	3	7	4	4	5	0	1	2	0	0	43
(1)	.00	.32	.32	.32	2.56	.96	.96	.96	2.24	1.28	1.28	1.60	.00	.32	.64	.00	.00	13.74
(2)	.00	.03	.03	.03	.23	.08	.08	.08	.20	.11	.11	.14	.00	.03	.06	.00	.00	1.21
4.1- 5.0	4	2	1	2	4	3	2	2	2	3	2	9	5	2	2	2	0	47
(1)	1.28	.64	.32	.64	1.28	.96	.64	.64	.64	.96	.64	2.88	1.60	.64	.64	.64	.00	15.02
(2)	.11	.06	.03	.06	.11	.08	.06	.06	.06	.08	.06	.25	.14	.06	.06	.06	.00	1.32
5.1- 6.0	1	3	2	0	0	3	1	2	5	0	1	4	2	3	0	1	0	28
(1)	.32	.96	.64	.00	.00	.96	.32	.64	1.60	.00	.32	1.28	.64	.96	.00	.32	.00	8.95
(2)	.03	.08	.06	.00	.00	.08	.03	.06	.14	.00	.03	.11	.06	.08	.00	.03	.00	.79
6.1- 8.0	3	4	4	0	1	4	4	1	7	0	0	3	0	2	1	1	0	35
(1)	.96	1.28	1.28	.00	.32	1.28	1.28	.32	2.24	.00	.00	.96	.00	.64	.32	.32	.00	11.18
(2)	.08	.11	.11	.00	.03	.11	.11	.03	.20	.00	.00	.08	.00	.06	.03	.03	.00	.99
8.1-10.0	2	5	2	0	0	0	0	0	0	0	0	2	0	3	0	1	0	15
(1)	.64	1.60	.64	.00	.00	.00	.00	.00	.00	.00	.00	.64	.00	.96	.00	.32	.00	4.79
(2)	.06	.14	.06	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.08	.00	.03	.00	.42
10.1-40.3	1	4	0	0	0	0	0	0	0	0	0	5	7	0	0	0	0	17
(1)	.32	1.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.60	2.24	.00	.00	.00	.00	5.43
(2)	.03	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.20	.00	.00	.00	.00	.48
ALL SPEEDS	17	29	15	14	24	20	18	18	28	18	15	38	21	19	10	9	0	313
(1)	5.43	9.27	4.79	4.47	7.67	6.39	5.75	5.75	8.95	5.75	4.79	12.14	6.71	6.07	3.19	2.88	.00	100.00
(2)	.48	.82	.42	.39	.68	.56	.51	.51	.79	.51	.42	1.07	.59	.54	.28	.25	.00	8.81

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Table 2.3-66—{NMPNS 200 ft (61-m) 2001-2005 April JFD}

(Page 8 of 8)

NMP APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06
(2)	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06
.3- .4	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	4
(1)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03	.03	.00	.03	.00	.00	.00	.11
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03	.03	.00	.03	.00	.00	.00	.11
.5- 1.0	5	3	2	6	1	1	4	1	3	1	2	2	2	5	4	3	0	45
(1)	.14	.08	.06	.17	.03	.03	.11	.03	.08	.03	.06	.06	.06	.14	.11	.08	.00	1.27
(2)	.14	.08	.06	.17	.03	.03	.11	.03	.08	.03	.06	.06	.06	.14	.11	.08	.00	1.27
1.1- 1.5	6	7	6	8	7	5	2	5	5	9	4	4	2	4	4	7	0	85
(1)	.17	.20	.17	.23	.20	.14	.06	.14	.14	.25	.11	.11	.06	.11	.11	.20	.00	2.39
(2)	.17	.20	.17	.23	.20	.14	.06	.14	.14	.25	.11	.11	.06	.11	.11	.20	.00	2.39
1.6- 2.0	11	9	13	13	11	5	5	5	2	6	5	8	5	8	8	7	0	121
(1)	.31	.25	.37	.37	.31	.14	.14	.14	.06	.17	.14	.23	.14	.23	.23	.20	.00	3.41
(2)	.31	.25	.37	.37	.31	.14	.14	.14	.06	.17	.14	.23	.14	.23	.23	.20	.00	3.41
2.1- 3.0	20	23	40	27	10	10	14	13	5	15	20	34	38	18	21	18	0	326
(1)	.56	.65	1.13	.76	.28	.28	.39	.37	.14	.42	.56	.96	1.07	.51	.59	.51	.00	9.18
(2)	.56	.65	1.13	.76	.28	.28	.39	.37	.14	.42	.56	.96	1.07	.51	.59	.51	.00	9.18
3.1- 4.0	24	24	38	24	34	16	20	11	17	9	20	43	47	21	22	13	0	383
(1)	.68	.68	1.07	.68	.96	.45	.56	.31	.48	.25	.56	1.21	1.32	.59	.62	.37	.00	10.79
(2)	.68	.68	1.07	.68	.96	.45	.56	.31	.48	.25	.56	1.21	1.32	.59	.62	.37	.00	10.79
4.1- 5.0	33	29	16	16	28	26	19	15	25	14	19	66	54	25	21	25	0	431
(1)	.93	.82	.45	.45	.79	.73	.54	.42	.70	.39	.54	1.86	1.52	.70	.59	.70	.00	12.14
(2)	.93	.82	.45	.45	.79	.73	.54	.42	.70	.39	.54	1.86	1.52	.70	.59	.70	.00	12.14
5.1- 6.0	20	27	23	3	11	36	39	28	30	13	18	78	42	23	14	27	0	432
(1)	.56	.76	.65	.08	.31	1.01	1.10	.79	.84	.37	.51	2.20	1.18	.65	.39	.76	.00	12.17
(2)	.56	.76	.65	.08	.31	1.01	1.10	.79	.84	.37	.51	2.20	1.18	.65	.39	.76	.00	12.17
6.1- 8.0	40	65	16	1	11	45	86	89	67	16	19	97	53	42	35	47	0	729
(1)	1.13	1.83	.45	.03	.31	1.27	2.42	2.51	1.89	.45	.54	2.73	1.49	1.18	.99	1.32	.00	20.53
(2)	1.13	1.83	.45	.03	.31	1.27	2.42	2.51	1.89	.45	.54	2.73	1.49	1.18	.99	1.32	.00	20.53
8.1-10.0	23	54	6	0	4	10	53	69	47	10	24	62	63	37	20	33	0	515
(1)	.65	1.52	.17	.00	.11	.28	1.49	1.94	1.32	.28	.68	1.75	1.77	1.04	.56	.93	.00	14.50
(2)	.65	1.52	.17	.00	.11	.28	1.49	1.94	1.32	.28	.68	1.75	1.77	1.04	.56	.93	.00	14.50
10.1-40.3	51	71	7	0	0	2	28	19	3	0	15	70	131	40	13	28	0	478
(1)	1.44	2.00	.20	.00	.00	.06	.79	.54	.08	.00	.42	1.97	3.69	1.13	.37	.79	.00	13.46
(2)	1.44	2.00	.20	.00	.00	.06	.79	.54	.08	.00	.42	1.97	3.69	1.13	.37	.79	.00	13.46
ALL SPEEDS	233	312	167	98	118	157	270	255	204	93	147	465	438	224	162	208	0	3551
(1)	6.56	8.79	4.70	2.76	3.32	4.42	7.60	7.18	5.74	2.62	4.14	13.09	12.33	6.31	4.56	5.86	.00	100.00
(2)	6.56	8.79	4.70	2.76	3.32	4.42	7.60	7.18	5.74	2.62	4.14	13.09	12.33	6.31	4.56	5.86	.00	100.00

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Table 2.3-67—{NMPNS 200 ft (61-m) 2001-2005 May JFD}

(Page 1 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 4.34

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.65	.00	.00	.65
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03
3.1- 4.0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	1.30	.65	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.95
(2)	.06	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
4.1- 5.0	3	2	0	0	0	0	4	1	0	0	0	2	0	0	2	1	0	15
(1)	1.95	1.30	.00	.00	.00	.00	2.60	.65	.00	.00	.00	1.30	.00	.00	1.30	.65	.00	9.74
(2)	.08	.06	.00	.00	.00	.00	.11	.03	.00	.00	.00	.06	.00	.00	.06	.03	.00	.42
5.1- 6.0	5	0	0	0	0	2	2	1	0	0	0	8	0	0	1	1	0	20
(1)	3.25	.00	.00	.00	.00	1.30	1.30	.65	.00	.00	.00	5.19	.00	.00	.65	.65	.00	12.99
(2)	.14	.00	.00	.00	.00	.06	.06	.03	.00	.00	.00	.23	.00	.00	.03	.03	.00	.56
6.1- 8.0	8	4	0	0	0	0	6	9	0	0	0	17	0	1	2	8	0	55
(1)	5.19	2.60	.00	.00	.00	.00	3.90	5.84	.00	.00	.00	11.04	.00	.65	1.30	5.19	.00	35.71
(2)	.23	.11	.00	.00	.00	.00	.17	.25	.00	.00	.00	.48	.00	.03	.06	.23	.00	1.55
8.1-10.0	8	2	0	0	0	1	4	0	0	0	0	8	2	0	0	3	0	28
(1)	5.19	1.30	.00	.00	.00	.65	2.60	.00	.00	.00	.00	5.19	1.30	.00	.00	1.95	.00	18.18
(2)	.23	.06	.00	.00	.00	.03	.11	.00	.00	.00	.00	.23	.06	.00	.00	.08	.00	.79
10.1-40.3	2	4	0	0	0	1	1	0	0	0	0	12	12	0	0	0	0	32
(1)	1.30	2.60	.00	.00	.00	.65	.65	.00	.00	.00	.00	7.79	7.79	.00	.00	.00	.00	20.78
(2)	.06	.11	.00	.00	.00	.03	.03	.00	.00	.00	.00	.34	.34	.00	.00	.00	.00	.90
ALL SPEEDS	28	13	0	0	0	4	17	11	0	0	0	47	14	1	6	13	0	154
(1)	18.18	8.44	.00	.00	.00	2.60	11.04	7.14	.00	.00	.00	30.52	9.09	.65	3.90	8.44	.00	100.00
(2)	.79	.37	.00	.00	.00	.11	.48	.31	.00	.00	.00	1.33	.39	.03	.17	.37	.00	4.34

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Table 2.3-67—{NMPNS 200 ft (61-m) 2001-2005 May JFD}

(Page 2 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.69

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	4
(1)	.00	.76	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.29	.00	.00	.00	3.05
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.11
3.1- 4.0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	1.53	.00	.00	.00	.00	.00	.00	.76	.00	.00	.00	2.29
(2)	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.08
4.1- 5.0	0	1	0	0	0	1	5	2	0	0	0	5	1	1	0	0	0	16
(1)	.00	.76	.00	.00	.00	.76	3.82	1.53	.00	.00	.00	3.82	.76	.76	.00	.00	.00	12.21
(2)	.00	.03	.00	.00	.00	.03	.14	.06	.00	.00	.00	.14	.03	.03	.00	.00	.00	.45
5.1- 6.0	0	1	0	0	1	1	3	3	2	0	0	10	2	1	0	0	0	24
(1)	.00	.76	.00	.00	.76	.76	2.29	2.29	1.53	.00	.00	7.63	1.53	.76	.00	.00	.00	18.32
(2)	.00	.03	.00	.00	.03	.03	.08	.08	.06	.00	.00	.28	.06	.03	.00	.00	.00	.68
6.1- 8.0	1	2	0	0	0	0	4	2	0	0	0	14	8	0	1	3	0	35
(1)	.76	1.53	.00	.00	.00	.00	3.05	1.53	.00	.00	.00	10.69	6.11	.00	.76	2.29	.00	26.72
(2)	.03	.06	.00	.00	.00	.00	.11	.06	.00	.00	.00	.39	.23	.00	.03	.08	.00	.99
8.1-10.0	2	4	0	0	0	2	0	0	3	0	1	9	9	0	0	0	0	30
(1)	1.53	3.05	.00	.00	.00	1.53	.00	.00	2.29	.00	.76	6.87	6.87	.00	.00	.00	.00	22.90
(2)	.06	.11	.00	.00	.00	.06	.00	.00	.08	.00	.03	.25	.25	.00	.00	.00	.00	.85
10.1-40.3	2	0	0	0	0	0	1	1	1	0	0	5	9	0	0	0	0	19
(1)	1.53	.00	.00	.00	.00	.00	.76	.76	.76	.00	.00	3.82	6.87	.00	.00	.00	.00	14.50
(2)	.06	.00	.00	.00	.00	.00	.03	.03	.03	.00	.00	.14	.25	.00	.00	.00	.00	.54
ALL SPEEDS	5	9	0	0	1	4	15	8	6	0	1	43	29	6	1	3	0	131
(1)	3.82	6.87	.00	.00	.76	3.05	11.45	6.11	4.58	.00	.76	32.82	22.14	4.58	.76	2.29	.00	100.00
(2)	.14	.25	.00	.00	.03	.11	.42	.23	.17	.00	.03	1.21	.82	.17	.03	.08	.00	3.69

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Table 2.3-67—{NMPNS 200 ft (61-m) 2001-2005 May JFD}

(Page 3 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.92

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48	.00	.00	.00	.00	.48
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
2.1- 3.0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
(1)	.48	.48	.48	.48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.90
(2)	.03	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
3.1- 4.0	0	1	1	0	0	1	1	1	1	0	0	5	4	0	0	0	0	15
(1)	.00	.48	.48	.00	.00	.48	.48	.48	.48	.00	.00	2.38	1.90	.00	.00	.00	.00	7.14
(2)	.00	.03	.03	.00	.00	.03	.03	.03	.03	.00	.00	.14	.11	.00	.00	.00	.00	.42
4.1- 5.0	0	1	0	0	0	0	1	3	1	0	0	7	2	1	1	0	0	17
(1)	.00	.48	.00	.00	.00	.00	.48	1.43	.48	.00	.00	3.33	.95	.48	.48	.00	.00	8.10
(2)	.00	.03	.00	.00	.00	.00	.03	.08	.03	.00	.00	.20	.06	.03	.03	.00	.00	.48
5.1- 6.0	1	0	0	0	0	1	0	3	0	0	0	10	9	3	0	0	0	27
(1)	.48	.00	.00	.00	.00	.48	.00	1.43	.00	.00	.00	4.76	4.29	1.43	.00	.00	.00	12.86
(2)	.03	.00	.00	.00	.00	.03	.00	.08	.00	.00	.00	.28	.25	.08	.00	.00	.00	.76
6.1- 8.0	3	2	1	0	1	2	4	6	2	0	0	18	26	6	3	5	0	79
(1)	1.43	.95	.48	.00	.48	.95	1.90	2.86	.95	.00	.00	8.57	12.38	2.86	1.43	2.38	.00	37.62
(2)	.08	.06	.03	.00	.03	.06	.11	.17	.06	.00	.00	.51	.73	.17	.08	.14	.00	2.23
8.1-10.0	0	1	0	0	0	0	2	3	1	0	0	10	8	1	0	1	0	27
(1)	.00	.48	.00	.00	.00	.00	.95	1.43	.48	.00	.00	4.76	3.81	.48	.00	.48	.00	12.86
(2)	.00	.03	.00	.00	.00	.00	.06	.08	.03	.00	.00	.28	.23	.03	.00	.03	.00	.76
10.1-40.3	1	0	0	0	0	0	0	1	0	0	0	16	21	1	0	0	0	40
(1)	.48	.00	.00	.00	.00	.00	.00	.48	.00	.00	.00	7.62	10.00	.48	.00	.00	.00	19.05
(2)	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.45	.59	.03	.00	.00	.00	1.13
ALL SPEEDS	6	6	3	1	1	4	8	17	5	0	0	66	71	12	4	6	0	210
(1)	2.86	2.86	1.43	.48	.48	1.90	3.81	8.10	2.38	.00	.00	31.43	33.81	5.71	1.90	2.86	.00	100.00
(2)	.17	.17	.08	.03	.03	.11	.23	.48	.14	.00	.00	1.86	2.00	.34	.11	.17	.00	5.92

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Table 2.3-67—{NMPNS 200 ft (61-m) 2001-2005 May JFD}

(Page 4 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 31.81

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.27	.00	.00	.00	.00	.44
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.08	.00	.00	.00	.00	.14
1.1- 1.5	2	0	1	0	0	0	0	1	0	0	0	0	2	1	2	1	0	10
(1)	.18	.00	.09	.00	.00	.00	.00	.09	.00	.00	.00	.00	.18	.09	.18	.09	.00	.89
(2)	.06	.00	.03	.00	.00	.00	.00	.03	.00	.00	.00	.00	.06	.03	.06	.03	.00	.28
1.6- 2.0	2	3	2	2	0	0	2	0	1	0	2	0	4	3	2	3	0	26
(1)	.18	.27	.18	.18	.00	.00	.18	.00	.09	.00	.18	.00	.35	.27	.18	.27	.00	2.30
(2)	.06	.08	.06	.06	.00	.00	.06	.00	.03	.00	.06	.00	.11	.08	.06	.08	.00	.73
2.1- 3.0	3	6	12	6	2	1	2	2	3	1	2	10	9	3	4	8	0	74
(1)	.27	.53	1.06	.53	.18	.09	.18	.18	.27	.09	.18	.89	.80	.27	.35	.71	.00	6.56
(2)	.08	.17	.34	.17	.06	.03	.06	.06	.08	.03	.06	.28	.25	.08	.11	.23	.00	2.09
3.1- 4.0	3	7	7	5	3	1	6	5	8	4	5	17	24	7	6	1	0	109
(1)	.27	.62	.62	.44	.27	.09	.53	.44	.71	.35	.44	1.51	2.13	.62	.53	.09	.00	9.66
(2)	.08	.20	.20	.14	.08	.03	.17	.14	.23	.11	.14	.48	.68	.20	.17	.03	.00	3.07
4.1- 5.0	0	8	9	4	1	6	16	5	6	6	7	39	31	7	2	1	0	148
(1)	.00	.71	.80	.35	.09	.53	1.42	.44	.53	.53	.62	3.46	2.75	.62	.18	.09	.00	13.12
(2)	.00	.23	.25	.11	.03	.17	.45	.14	.17	.17	.20	1.10	.87	.20	.06	.03	.00	4.17
5.1- 6.0	3	3	1	1	4	6	15	15	13	4	4	46	29	4	1	1	0	150
(1)	.27	.27	.09	.09	.35	.53	1.33	1.33	1.15	.35	.35	4.08	2.57	.35	.09	.09	.00	13.30
(2)	.08	.08	.03	.03	.11	.17	.42	.42	.37	.11	.11	1.30	.82	.11	.03	.03	.00	4.23
6.1- 8.0	5	13	4	0	0	31	52	23	25	8	8	68	31	8	3	9	0	288
(1)	.44	1.15	.35	.00	.00	2.75	4.61	2.04	2.22	.71	.71	6.03	2.75	.71	.27	.80	.00	25.53
(2)	.14	.37	.11	.00	.00	.87	1.47	.65	.71	.23	.23	1.92	.87	.23	.08	.25	.00	8.12
8.1-10.0	9	12	3	0	1	22	46	12	10	2	5	47	33	9	2	0	0	213
(1)	.80	1.06	.27	.00	.09	1.95	4.08	1.06	.89	.18	.44	4.17	2.93	.80	.18	.00	.00	18.88
(2)	.25	.34	.08	.00	.03	.62	1.30	.34	.28	.06	.14	1.33	.93	.25	.06	.00	.00	6.01
10.1-40.3	7	5	0	0	0	3	11	4	9	0	1	27	25	8	5	0	0	105
(1)	.62	.44	.00	.00	.00	.27	.98	.35	.80	.00	.09	2.39	2.22	.71	.44	.00	.00	9.31
(2)	.20	.14	.00	.00	.00	.08	.31	.11	.25	.00	.03	.76	.71	.23	.14	.00	.00	2.96
ALL SPEEDS	34	57	39	18	11	70	150	67	75	25	34	256	191	50	27	24	0	1128
(1)	3.01	5.05	3.46	1.60	.98	6.21	13.30	5.94	6.65	2.22	3.01	22.70	16.93	4.43	2.39	2.13	.00	100.00
(2)	.96	1.61	1.10	.51	.31	1.97	4.23	1.89	2.12	.71	.96	7.22	5.39	1.41	.76	.68	.00	31.81

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Table 2.3-67—{NMPNS 200 ft (61-m) 2001-2005 May JFD}

(Page 5 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 31.39

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	2	0	0	0	4	0	0	2	0	0	2	0	2	1	0	0	14
(1)	.09	.18	.00	.00	.00	.36	.00	.00	.18	.00	.00	.18	.00	.18	.09	.00	.00	1.26
(2)	.03	.06	.00	.00	.00	.11	.00	.00	.06	.00	.00	.06	.00	.06	.03	.00	.00	.39
1.1- 1.5	5	1	4	0	0	1	2	0	0	1	4	3	3	5	3	0	0	32
(1)	.45	.09	.36	.00	.00	.09	.18	.00	.00	.09	.36	.27	.27	.45	.27	.00	.00	2.88
(2)	.14	.03	.11	.00	.00	.03	.06	.00	.00	.03	.11	.08	.08	.14	.08	.00	.00	.90
1.6- 2.0	4	2	4	3	2	2	1	1	0	1	4	8	3	6	2	0	0	43
(1)	.36	.18	.36	.27	.18	.18	.09	.09	.00	.09	.36	.72	.27	.54	.18	.00	.00	3.86
(2)	.11	.06	.11	.08	.06	.06	.03	.03	.00	.03	.11	.23	.08	.17	.06	.00	.00	1.21
2.1- 3.0	10	9	14	11	8	7	3	5	5	0	2	23	13	18	4	9	0	141
(1)	.90	.81	1.26	.99	.72	.63	.27	.45	.45	.00	.18	2.07	1.17	1.62	.36	.81	.00	12.67
(2)	.28	.25	.39	.31	.23	.20	.08	.14	.14	.00	.06	.65	.37	.51	.11	.25	.00	3.98
3.1- 4.0	9	5	13	14	5	4	2	5	6	1	15	18	23	3	8	3	0	134
(1)	.81	.45	1.17	1.26	.45	.36	.18	.45	.54	.09	1.35	1.62	2.07	.27	.72	.27	.00	12.04
(2)	.25	.14	.37	.39	.14	.11	.06	.14	.17	.03	.42	.51	.65	.08	.23	.08	.00	3.78
4.1- 5.0	4	5	5	9	4	3	8	9	4	7	12	24	17	4	5	4	0	124
(1)	.36	.45	.45	.81	.36	.27	.72	.81	.36	.63	1.08	2.16	1.53	.36	.45	.36	.00	11.14
(2)	.11	.14	.14	.25	.11	.08	.23	.25	.11	.20	.34	.68	.48	.11	.14	.11	.00	3.50
5.1- 6.0	6	3	6	2	1	3	33	11	7	8	11	35	20	3	1	3	0	153
(1)	.54	.27	.54	.18	.09	.27	2.96	.99	.63	.72	.99	3.14	1.80	.27	.09	.27	.00	13.75
(2)	.17	.08	.17	.06	.03	.08	.93	.31	.20	.23	.31	.99	.56	.08	.03	.08	.00	4.31
6.1- 8.0	12	18	3	0	1	19	58	41	42	14	12	46	19	5	5	6	0	301
(1)	1.08	1.62	.27	.00	.09	1.71	5.21	3.68	3.77	1.26	1.08	4.13	1.71	.45	.45	.54	.00	27.04
(2)	.34	.51	.08	.00	.03	.54	1.64	1.16	1.18	.39	.34	1.30	.54	.14	.14	.17	.00	8.49
8.1-10.0	8	6	1	0	0	3	17	7	14	6	2	25	6	3	3	3	0	104
(1)	.72	.54	.09	.00	.00	.27	1.53	.63	1.26	.54	.18	2.25	.54	.27	.27	.27	.00	9.34
(2)	.23	.17	.03	.00	.00	.08	.48	.20	.39	.17	.06	.71	.17	.08	.08	.08	.00	2.93
10.1-40.3	13	15	0	0	0	0	2	1	0	0	1	15	16	2	1	1	0	67
(1)	1.17	1.35	.00	.00	.00	.00	.18	.09	.00	.00	.09	1.35	1.44	.18	.09	.09	.00	6.02
(2)	.37	.42	.00	.00	.00	.00	.06	.03	.00	.00	.03	.42	.45	.06	.03	.03	.00	1.89
ALL SPEEDS	72	66	50	39	21	46	126	80	80	38	63	199	120	51	33	29	0	1113
(1)	6.47	5.93	4.49	3.50	1.89	4.13	11.32	7.19	7.19	3.41	5.66	17.88	10.78	4.58	2.96	2.61	.00	100.00
(2)	2.03	1.86	1.41	1.10	.59	1.30	3.55	2.26	2.26	1.07	1.78	5.61	3.38	1.44	.93	.82	.00	31.39

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Table 2.3-67—{NMPNS 200 ft (61-m) 2001-2005 May JFD}

(Page 6 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 12.07

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	0	0	1	1	1	0	0	1	0	0	0	0	1	0	0	0	6
(1)	.23	.00	.00	.23	.23	.23	.00	.00	.23	.00	.00	.00	.00	.23	.00	.00	.00	1.40
(2)	.03	.00	.00	.03	.03	.03	.00	.00	.03	.00	.00	.00	.00	.03	.00	.00	.00	.17
1.1- 1.5	1	2	0	1	0	0	0	0	2	1	2	0	2	1	2	1	0	15
(1)	.23	.47	.00	.23	.00	.00	.00	.00	.47	.23	.47	.00	.47	.23	.47	.23	.00	3.50
(2)	.03	.06	.00	.03	.00	.00	.00	.00	.06	.03	.06	.00	.06	.03	.06	.03	.00	.42
1.6- 2.0	0	2	2	1	1	2	0	4	1	1	1	3	4	1	1	0	0	24
(1)	.00	.47	.47	.23	.23	.47	.00	.93	.23	.23	.23	.70	.93	.23	.23	.00	.00	5.61
(2)	.00	.06	.06	.03	.03	.06	.00	.11	.03	.03	.03	.08	.11	.03	.03	.00	.00	.68
2.1- 3.0	3	3	2	6	1	2	2	1	0	4	8	11	8	9	2	4	0	66
(1)	.70	.70	.47	1.40	.23	.47	.47	.23	.00	.93	1.87	2.57	1.87	2.10	.47	.93	.00	15.42
(2)	.08	.08	.06	.17	.03	.06	.06	.03	.00	.11	.23	.31	.23	.25	.06	.11	.00	1.86
3.1- 4.0	1	1	8	4	3	1	1	3	2	4	7	13	5	5	2	1	0	61
(1)	.23	.23	1.87	.93	.70	.23	.23	.70	.47	.93	1.64	3.04	1.17	1.17	.47	.23	.00	14.25
(2)	.03	.03	.23	.11	.08	.03	.03	.08	.06	.11	.20	.37	.14	.14	.06	.03	.00	1.72
4.1- 5.0	5	3	7	9	3	3	2	1	3	5	5	6	4	3	1	3	0	63
(1)	1.17	.70	1.64	2.10	.70	.70	.47	.23	.70	1.17	1.17	1.40	.93	.70	.23	.70	.00	14.72
(2)	.14	.08	.20	.25	.08	.08	.06	.03	.08	.14	.14	.17	.11	.08	.03	.08	.00	1.78
5.1- 6.0	6	4	1	1	2	4	4	4	3	3	4	9	4	1	0	3	0	53
(1)	1.40	.93	.23	.23	.47	.93	.93	.93	.70	.70	.93	2.10	.93	.23	.00	.70	.00	12.38
(2)	.17	.11	.03	.03	.06	.11	.11	.11	.08	.08	.11	.25	.11	.03	.00	.08	.00	1.49
6.1- 8.0	9	8	1	0	1	6	9	11	13	6	10	4	7	2	0	3	0	90
(1)	2.10	1.87	.23	.00	.23	1.40	2.10	2.57	3.04	1.40	2.34	.93	1.64	.47	.00	.70	.00	21.03
(2)	.25	.23	.03	.00	.03	.17	.25	.31	.37	.17	.28	.11	.20	.06	.00	.08	.00	2.54
8.1-10.0	6	6	0	0	0	1	2	0	1	3	0	6	2	0	0	5	0	32
(1)	1.40	1.40	.00	.00	.00	.23	.47	.00	.23	.70	.00	1.40	.47	.00	.00	1.17	.00	7.48
(2)	.17	.17	.00	.00	.00	.03	.06	.00	.03	.08	.00	.17	.06	.00	.00	.14	.00	.90
10.1-40.3	8	4	0	0	0	0	0	0	0	0	0	1	4	0	0	1	0	18
(1)	1.87	.93	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.93	.00	.00	.23	.00	4.21
(2)	.23	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.11	.00	.00	.03	.00	.51
ALL SPEEDS	40	33	21	23	12	20	20	24	26	27	37	53	40	23	8	21	0	428
(1)	9.35	7.71	4.91	5.37	2.80	4.67	4.67	5.61	6.07	6.31	8.64	12.38	9.35	5.37	1.87	4.91	.00	100.00
(2)	1.13	.93	.59	.65	.34	.56	.56	.68	.73	.76	1.04	1.49	1.13	.65	.23	.59	.00	12.07

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Table 2.3-67—{NMPNS 200 ft (61-m) 2001-2005 May JFD}

(Page 7 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 10.77

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	1	2	2	0	1	1	0	3	0	0	0	0	0	1	0	12
(1)	.00	.26	.26	.52	.52	.00	.26	.26	.00	.79	.00	.00	.00	.00	.00	.26	.00	3.14
(2)	.00	.03	.03	.06	.06	.00	.03	.03	.00	.08	.00	.00	.00	.00	.00	.03	.00	.34
1.1- 1.5	3	1	1	2	0	1	1	3	1	2	0	1	0	0	1	3	0	20
(1)	.79	.26	.26	.52	.00	.26	.26	.79	.26	.52	.00	.26	.00	.00	.26	.79	.00	5.24
(2)	.08	.03	.03	.06	.00	.03	.03	.08	.03	.06	.00	.03	.00	.00	.03	.08	.00	.56
1.6- 2.0	4	1	6	4	3	0	0	2	0	1	1	2	1	0	0	6	0	31
(1)	1.05	.26	1.57	1.05	.79	.00	.00	.52	.00	.26	.26	.52	.26	.00	.00	1.57	.00	8.12
(2)	.11	.03	.17	.11	.08	.00	.00	.06	.00	.03	.03	.06	.03	.00	.00	.17	.00	.87
2.1- 3.0	8	0	6	6	5	3	2	4	3	7	9	3	4	4	1	3	0	68
(1)	2.09	.00	1.57	1.57	1.31	.79	.52	1.05	.79	1.83	2.36	.79	1.05	1.05	.26	.79	.00	17.80
(2)	.23	.00	.17	.17	.14	.08	.06	.11	.08	.20	.25	.08	.11	.11	.03	.08	.00	1.92
3.1- 4.0	2	5	1	1	6	3	3	6	4	5	8	9	7	2	2	4	0	68
(1)	.52	1.31	.26	.26	1.57	.79	.79	1.57	1.05	1.31	2.09	2.36	1.83	.52	.52	1.05	.00	17.80
(2)	.06	.14	.03	.03	.17	.08	.08	.17	.11	.14	.23	.25	.20	.06	.06	.11	.00	1.92
4.1- 5.0	1	1	0	0	2	4	1	10	4	2	3	8	3	0	0	0	0	39
(1)	.26	.26	.00	.00	.52	1.05	.26	2.62	1.05	.52	.79	2.09	.79	.00	.00	.00	.00	10.21
(2)	.03	.03	.00	.00	.06	.11	.03	.28	.11	.06	.08	.23	.08	.00	.00	.00	.00	1.10
5.1- 6.0	0	0	1	0	1	4	5	7	5	5	4	3	3	0	0	0	0	38
(1)	.00	.00	.26	.00	.26	1.05	1.31	1.83	1.31	1.31	1.05	.79	.79	.00	.00	.00	.00	9.95
(2)	.00	.00	.03	.00	.03	.11	.14	.20	.14	.14	.11	.08	.08	.00	.00	.00	.00	1.07
6.1- 8.0	3	7	2	0	1	5	5	11	8	2	2	4	2	2	1	4	0	59
(1)	.79	1.83	.52	.00	.26	1.31	1.31	2.88	2.09	.52	.52	1.05	.52	.52	.26	1.05	.00	15.45
(2)	.08	.20	.06	.00	.03	.14	.14	.31	.23	.06	.06	.11	.06	.06	.03	.11	.00	1.66
8.1-10.0	10	13	0	0	0	1	0	0	0	0	0	0	1	0	3	1	0	29
(1)	2.62	3.40	.00	.00	.00	.26	.00	.00	.00	.00	.00	.00	.26	.00	.79	.26	.00	7.59
(2)	.28	.37	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.08	.03	.00	.82
10.1-40.3	8	7	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	18
(1)	2.09	1.83	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	.26	.00	.00	.00	.00	4.71
(2)	.23	.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.03	.00	.00	.00	.00	.51
ALL SPEEDS	39	36	18	15	20	21	18	44	25	27	27	32	22	8	8	22	0	382
(1)	10.21	9.42	4.71	3.93	5.24	5.50	4.71	11.52	6.54	7.07	7.07	8.38	5.76	2.09	2.09	5.76	.00	100.00
(2)	1.10	1.02	.51	.42	.56	.59	.51	1.24	.71	.76	.76	.90	.62	.23	.23	.62	.00	10.77

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Table 2.3-67—{NMPNS 200 ft (61-m) 2001-2005 May JFD}

(Page 8 of 8)

NMP MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	2	3	1	3	3	5	1	1	3	3	0	4	3	3	1	1	0	37
(1)	.06	.08	.03	.08	.08	.14	.03	.03	.08	.08	.00	.11	.08	.08	.03	.03	.00	1.04
(2)	.06	.08	.03	.08	.08	.14	.03	.03	.08	.08	.00	.11	.08	.08	.03	.03	.00	1.04
1.1- 1.5	11	4	6	3	0	2	3	4	3	4	6	4	7	7	8	5	0	77
(1)	.31	.11	.17	.08	.00	.06	.08	.11	.08	.11	.17	.11	.20	.20	.23	.14	.00	2.17
(2)	.31	.11	.17	.08	.00	.06	.08	.11	.08	.11	.17	.11	.20	.20	.23	.14	.00	2.17
1.6- 2.0	10	8	14	10	6	4	3	7	2	3	8	13	13	10	5	9	0	125
(1)	.28	.23	.39	.28	.17	.11	.08	.20	.06	.08	.23	.37	.37	.28	.14	.25	.00	3.53
(2)	.28	.23	.39	.28	.17	.11	.08	.20	.06	.08	.23	.37	.37	.28	.14	.25	.00	3.53
2.1- 3.0	25	20	35	30	16	13	9	12	11	12	21	47	34	37	12	24	0	358
(1)	.71	.56	.99	.85	.45	.37	.25	.34	.31	.34	.59	1.33	.96	1.04	.34	.68	.00	10.10
(2)	.71	.56	.99	.85	.45	.37	.25	.34	.31	.34	.59	1.33	.96	1.04	.34	.68	.00	10.10
3.1- 4.0	17	20	30	24	17	10	15	20	21	14	35	62	63	18	18	9	0	393
(1)	.48	.56	.85	.68	.48	.28	.42	.56	.59	.39	.99	1.75	1.78	.51	.51	.25	.00	11.08
(2)	.48	.56	.85	.68	.48	.28	.42	.56	.59	.39	.99	1.75	1.78	.51	.51	.25	.00	11.08
4.1- 5.0	13	21	21	22	10	17	37	31	18	20	27	91	58	16	11	9	0	422
(1)	.37	.59	.59	.62	.28	.48	1.04	.87	.51	.56	.76	2.57	1.64	.45	.31	.25	.00	11.90
(2)	.37	.59	.59	.62	.28	.48	1.04	.87	.51	.56	.76	2.57	1.64	.45	.31	.25	.00	11.90
5.1- 6.0	21	11	9	4	9	21	62	44	30	20	23	121	67	12	3	8	0	465
(1)	.59	.31	.25	.11	.25	.59	1.75	1.24	.85	.56	.65	3.41	1.89	.34	.08	.23	.00	13.11
(2)	.59	.31	.25	.11	.25	.59	1.75	1.24	.85	.56	.65	3.41	1.89	.34	.08	.23	.00	13.11
6.1- 8.0	41	54	11	0	4	63	138	103	90	30	32	171	93	24	15	38	0	907
(1)	1.16	1.52	.31	.00	.11	1.78	3.89	2.90	2.54	.85	.90	4.82	2.62	.68	.42	1.07	.00	25.58
(2)	1.16	1.52	.31	.00	.11	1.78	3.89	2.90	2.54	.85	.90	4.82	2.62	.68	.42	1.07	.00	25.58
8.1-10.0	43	44	4	0	1	30	71	22	29	11	8	105	61	13	8	13	0	463
(1)	1.21	1.24	.11	.00	.03	.85	2.00	.62	.82	.31	.23	2.96	1.72	.37	.23	.37	.00	13.06
(2)	1.21	1.24	.11	.00	.03	.85	2.00	.62	.82	.31	.23	2.96	1.72	.37	.23	.37	.00	13.06
10.1-40.3	41	35	0	0	0	4	15	7	10	0	2	78	88	11	6	2	0	299
(1)	1.16	.99	.00	.00	.00	.11	.42	.20	.28	.00	.06	2.20	2.48	.31	.17	.06	.00	8.43
(2)	1.16	.99	.00	.00	.00	.11	.42	.20	.28	.00	.06	2.20	2.48	.31	.17	.06	.00	8.43
ALL SPEEDS	224	220	131	96	66	169	354	251	217	117	162	696	487	151	87	118	0	3546
(1)	6.32	6.20	3.69	2.71	1.86	4.77	9.98	7.08	6.12	3.30	4.57	19.63	13.73	4.26	2.45	3.33	.00	100.00
(2)	6.32	6.20	3.69	2.71	1.86	4.77	9.98	7.08	6.12	3.30	4.57	19.63	13.73	4.26	2.45	3.33	.00	100.00

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Table 2.3-68—{NMPNS 200 ft (61-m) 2001-2005 June JFD}

(Page 1 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 5.56

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.01	.51	1.01	.00	2.53
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.03	.06	.00	.14
2.1- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	9	0	16
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.53	1.01	4.55	.00	8.08
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.06	.25	.00	.45
3.1- 4.0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2	4	0	8
(1)	.51	.00	.00	.00	.00	.00	.00	.51	.00	.00	.00	.00	.00	.00	1.01	2.02	.00	4.04
(2)	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.06	.11	.00	.22
4.1- 5.0	4	3	0	0	0	0	0	1	0	0	0	9	0	1	3	7	0	28
(1)	2.02	1.52	.00	.00	.00	.00	.00	.51	.00	.00	.00	4.55	.00	.51	1.52	3.54	.00	14.14
(2)	.11	.08	.00	.00	.00	.00	.00	.03	.00	.00	.00	.25	.00	.03	.08	.20	.00	.79
5.1- 6.0	5	3	0	0	0	0	0	1	0	0	0	23	3	0	0	5	0	40
(1)	2.53	1.52	.00	.00	.00	.00	.00	.51	.00	.00	.00	11.62	1.52	.00	.00	2.53	.00	20.20
(2)	.14	.08	.00	.00	.00	.00	.00	.03	.00	.00	.00	.65	.08	.00	.00	.14	.00	1.12
6.1- 8.0	5	0	0	0	0	0	4	0	1	0	0	25	5	1	1	8	0	50
(1)	2.53	.00	.00	.00	.00	.00	2.02	.00	.51	.00	.00	12.63	2.53	.51	.51	4.04	.00	25.25
(2)	.14	.00	.00	.00	.00	.00	.11	.00	.03	.00	.00	.70	.14	.03	.03	.22	.00	1.40
8.1-10.0	4	0	0	0	0	0	1	0	0	0	0	20	3	4	1	2	0	35
(1)	2.02	.00	.00	.00	.00	.00	.51	.00	.00	.00	.00	10.10	1.52	2.02	.51	1.01	.00	17.68
(2)	.11	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.56	.08	.11	.03	.06	.00	.98
10.1-40.3	2	1	0	0	0	0	0	0	0	0	0	5	8	0	0	0	0	16
(1)	1.01	.51	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.53	4.04	.00	.00	.00	.00	8.08
(2)	.06	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.22	.00	.00	.00	.00	.45
ALL SPEEDS	21	7	0	0	0	0	5	3	1	0	0	82	19	13	10	37	0	198
(1)	10.61	3.54	.00	.00	.00	.00	2.53	1.52	.51	.00	.00	41.41	9.60	6.57	5.05	18.69	.00	100.00
(2)	.59	.20	.00	.00	.00	.00	.14	.08	.03	.00	.00	2.30	.53	.36	.28	1.04	.00	5.56

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Table 2.3-68—{NMPNS 200 ft (61-m) 2001-2005 June JFD}

(Page 2 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.14

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	5	1	0	0	0	0	0	0	0	0	0	0	1	3	1	5	0	16
(1)	4.46	.89	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.89	2.68	.89	4.46	.00	14.29
(2)	.14	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.03	.14	.00	.45
3.1- 4.0	1	1	0	0	0	0	0	3	0	1	0	2	2	2	1	0	0	13
(1)	.89	.89	.00	.00	.00	.00	.00	2.68	.00	.89	.00	1.79	1.79	1.79	.89	.00	.00	11.61
(2)	.03	.03	.00	.00	.00	.00	.00	.08	.00	.03	.00	.06	.06	.06	.03	.00	.00	.36
4.1- 5.0	1	2	1	0	0	0	1	0	1	2	0	5	3	2	1	0	0	19
(1)	.89	1.79	.89	.00	.00	.00	.89	.00	.89	1.79	.00	4.46	2.68	1.79	.89	.00	.00	16.96
(2)	.03	.06	.03	.00	.00	.00	.03	.00	.03	.06	.00	.14	.08	.06	.03	.00	.00	.53
5.1- 6.0	1	2	0	0	0	0	1	2	0	1	0	5	4	0	0	0	0	16
(1)	.89	1.79	.00	.00	.00	.00	.89	1.79	.00	.89	.00	4.46	3.57	.00	.00	.00	.00	14.29
(2)	.03	.06	.00	.00	.00	.00	.03	.06	.00	.03	.00	.14	.11	.00	.00	.00	.00	.45
6.1- 8.0	3	3	0	0	0	0	1	0	2	0	0	11	0	0	0	1	0	21
(1)	2.68	2.68	.00	.00	.00	.00	.89	.00	1.79	.00	.00	9.82	.00	.00	.00	.89	.00	18.75
(2)	.08	.08	.00	.00	.00	.00	.03	.00	.06	.00	.00	.31	.00	.00	.00	.03	.00	.59
8.1-10.0	2	1	0	0	0	0	0	0	0	0	0	8	4	1	0	0	0	16
(1)	1.79	.89	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.14	3.57	.89	.00	.00	.00	14.29
(2)	.06	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.11	.03	.00	.00	.00	.45
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	1	0	11
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.46	4.46	.00	.00	.89	.00	9.82
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.14	.00	.00	.03	.00	.31
ALL SPEEDS	13	10	1	0	0	0	3	5	3	4	0	36	19	8	3	7	0	112
(1)	11.61	8.93	.89	.00	.00	.00	2.68	4.46	2.68	3.57	.00	32.14	16.96	7.14	2.68	6.25	.00	100.00
(2)	.36	.28	.03	.00	.00	.00	.08	.14	.08	.11	.00	1.01	.53	.22	.08	.20	.00	3.14

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Table 2.3-68—{NMPNS 200 ft (61-m) 2001-2005 June JFD}

(Page 3 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 3.54

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.79	.00	.79	.00	.00	1.59
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.06
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.79	.00	.00	.79	.79	.00	.00	2.38
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.03	.00	.00	.08
2.1- 3.0	0	3	2	0	0	0	0	0	2	0	0	0	1	0	4	2	0	14
(1)	.00	2.38	1.59	.00	.00	.00	.00	.00	1.59	.00	.00	.00	.79	.00	3.17	1.59	.00	11.11
(2)	.00	.08	.06	.00	.00	.00	.00	.00	.06	.00	.00	.00	.03	.00	.11	.06	.00	.39
3.1- 4.0	0	1	0	0	0	0	1	3	4	0	1	2	2	1	1	0	0	16
(1)	.00	.79	.00	.00	.00	.00	.79	2.38	3.17	.00	.79	1.59	1.59	.79	.79	.00	.00	12.70
(2)	.00	.03	.00	.00	.00	.00	.03	.08	.11	.00	.03	.06	.06	.03	.03	.00	.00	.45
4.1- 5.0	0	1	0	0	0	0	0	0	4	2	0	4	2	2	1	1	0	17
(1)	.00	.79	.00	.00	.00	.00	.00	.00	3.17	1.59	.00	3.17	1.59	1.59	.79	.79	.00	13.49
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.11	.06	.00	.11	.06	.06	.03	.03	.00	.48
5.1- 6.0	2	3	0	0	1	0	1	3	3	3	0	2	8	0	0	0	0	26
(1)	1.59	2.38	.00	.00	.79	.00	.79	2.38	2.38	2.38	.00	1.59	6.35	.00	.00	.00	.00	20.63
(2)	.06	.08	.00	.00	.03	.00	.03	.08	.08	.08	.00	.06	.22	.00	.00	.00	.00	.73
6.1- 8.0	2	1	0	0	0	0	2	0	0	2	0	9	2	0	1	1	0	20
(1)	1.59	.79	.00	.00	.00	.00	1.59	.00	.00	1.59	.00	7.14	1.59	.00	.79	.79	.00	15.87
(2)	.06	.03	.00	.00	.00	.00	.06	.00	.00	.06	.00	.25	.06	.00	.03	.03	.00	.56
8.1-10.0	2	0	0	0	0	0	1	0	0	0	0	8	8	2	0	1	0	22
(1)	1.59	.00	.00	.00	.00	.00	.79	.00	.00	.00	.00	6.35	6.35	1.59	.00	.79	.00	17.46
(2)	.06	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.22	.22	.06	.00	.03	.00	.62
10.1-40.3	0	1	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	6
(1)	.00	.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.38	1.59	.00	.00	.00	.00	4.76
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.06	.00	.00	.00	.00	.17
ALL SPEEDS	6	10	2	0	1	0	5	6	13	7	2	28	26	6	9	5	0	126
(1)	4.76	7.94	1.59	.00	.79	.00	3.97	4.76	10.32	5.56	1.59	22.22	20.63	4.76	7.14	3.97	.00	100.00
(2)	.17	.28	.06	.00	.03	.00	.14	.17	.36	.20	.06	.79	.73	.17	.25	.14	.00	3.54

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Table 2.3-68—{NMPNS 200 ft (61-m) 2001-2005 June JFD}

(Page 4 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 26.60

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	2	0	0	0	0	0	0	1	0	0	1	0	2	1	0	0	7
(1)	.00	.21	.00	.00	.00	.00	.00	.00	.11	.00	.00	.11	.00	.21	.11	.00	.00	.74
(2)	.00	.06	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.00	.06	.03	.00	.00	.20
1.1- 1.5	0	2	2	1	0	0	1	1	1	1	1	3	2	2	1	4	0	22
(1)	.00	.21	.21	.11	.00	.00	.11	.11	.11	.11	.11	.32	.21	.21	.11	.42	.00	2.32
(2)	.00	.06	.06	.03	.00	.00	.03	.03	.03	.03	.03	.08	.06	.06	.03	.11	.00	.62
1.6- 2.0	5	4	4	2	0	1	0	1	1	2	3	4	4	6	3	3	0	43
(1)	.53	.42	.42	.21	.00	.11	.00	.11	.11	.21	.32	.42	.42	.63	.32	.32	.00	4.54
(2)	.14	.11	.11	.06	.00	.03	.00	.03	.03	.06	.08	.11	.11	.17	.08	.08	.00	1.21
2.1- 3.0	11	12	11	4	4	4	4	1	7	10	5	6	20	15	11	6	0	131
(1)	1.16	1.27	1.16	.42	.42	.42	.42	.11	.74	1.05	.53	.63	2.11	1.58	1.16	.63	.00	13.82
(2)	.31	.34	.31	.11	.11	.11	.11	.03	.20	.28	.14	.17	.56	.42	.31	.17	.00	3.68
3.1- 4.0	3	3	4	1	1	2	5	9	8	14	3	15	26	5	8	3	0	110
(1)	.32	.32	.42	.11	.11	.21	.53	.95	.84	1.48	.32	1.58	2.74	.53	.84	.32	.00	11.60
(2)	.08	.08	.11	.03	.03	.06	.14	.25	.22	.39	.08	.42	.73	.14	.22	.08	.00	3.09
4.1- 5.0	2	10	9	2	2	2	10	13	10	10	5	30	14	2	3	2	0	126
(1)	.21	1.05	.95	.21	.21	.21	1.05	1.37	1.05	1.05	.53	3.16	1.48	.21	.32	.21	.00	13.29
(2)	.06	.28	.25	.06	.06	.06	.28	.36	.28	.28	.14	.84	.39	.06	.08	.06	.00	3.54
5.1- 6.0	9	11	2	0	1	3	10	11	10	11	4	37	20	5	2	4	0	140
(1)	.95	1.16	.21	.00	.11	.32	1.05	1.16	1.05	1.16	.42	3.90	2.11	.53	.21	.42	.00	14.77
(2)	.25	.31	.06	.00	.03	.08	.28	.31	.28	.31	.11	1.04	.56	.14	.06	.11	.00	3.93
6.1- 8.0	5	15	1	0	0	3	18	8	14	10	10	93	26	5	3	4	0	215
(1)	.53	1.58	.11	.00	.00	.32	1.90	.84	1.48	1.05	1.05	9.81	2.74	.53	.32	.42	.00	22.68
(2)	.14	.42	.03	.00	.00	.08	.51	.22	.39	.28	.28	2.61	.73	.14	.08	.11	.00	6.03
8.1-10.0	4	7	0	0	0	6	14	6	2	2	1	46	17	3	2	0	0	110
(1)	.42	.74	.00	.00	.00	.63	1.48	.63	.21	.21	.11	4.85	1.79	.32	.21	.00	.00	11.60
(2)	.11	.20	.00	.00	.00	.17	.39	.17	.06	.06	.03	1.29	.48	.08	.06	.00	.00	3.09
10.1-40.3	4	5	0	0	0	0	2	0	0	0	0	14	15	2	2	0	0	44
(1)	.42	.53	.00	.00	.00	.00	.21	.00	.00	.00	.00	1.48	1.58	.21	.21	.00	.00	4.64
(2)	.11	.14	.00	.00	.00	.00	.06	.00	.00	.00	.00	.39	.42	.06	.06	.00	.00	1.23
ALL SPEEDS	43	71	33	10	8	21	64	50	54	60	32	249	144	47	36	26	0	948
(1)	4.54	7.49	3.48	1.05	.84	2.22	6.75	5.27	5.70	6.33	3.38	26.27	15.19	4.96	3.80	2.74	.00	100.00
(2)	1.21	1.99	.93	.28	.22	.59	1.80	1.40	1.52	1.68	.90	6.99	4.04	1.32	1.01	.73	.00	26.60

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Table 2.3-68—{NMPNS 200 ft (61-m) 2001-2005 June JFD}

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NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 34.43

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	2	2	2	0	0	1	3	1	1	2	1	0	0	1	1	0	17
(1)	.00	.16	.16	.16	.00	.00	.08	.24	.08	.08	.16	.08	.00	.00	.08	.08	.00	1.39
(2)	.00	.06	.06	.06	.00	.00	.03	.08	.03	.03	.06	.03	.00	.00	.03	.03	.00	.48
1.1- 1.5	3	6	1	2	2	0	4	1	0	2	5	2	4	3	0	3	0	38
(1)	.24	.49	.08	.16	.16	.00	.33	.08	.00	.16	.41	.16	.33	.24	.00	.24	.00	3.10
(2)	.08	.17	.03	.06	.06	.00	.11	.03	.00	.06	.14	.06	.11	.08	.00	.08	.00	1.07
1.6- 2.0	3	7	5	9	3	1	0	0	2	3	2	0	2	3	4	1	0	45
(1)	.24	.57	.41	.73	.24	.08	.00	.00	.16	.24	.16	.00	.16	.24	.33	.08	.00	3.67
(2)	.08	.20	.14	.25	.08	.03	.00	.00	.06	.08	.06	.00	.06	.08	.11	.03	.00	1.26
2.1- 3.0	12	16	18	7	6	6	4	4	3	1	11	27	23	14	8	11	0	171
(1)	.98	1.30	1.47	.57	.49	.49	.33	.33	.24	.08	.90	2.20	1.87	1.14	.65	.90	.00	13.94
(2)	.34	.45	.51	.20	.17	.17	.11	.11	.08	.03	.31	.76	.65	.39	.22	.31	.00	4.80
3.1- 4.0	11	6	11	7	1	2	5	9	8	6	10	33	17	14	3	5	0	148
(1)	.90	.49	.90	.57	.08	.16	.41	.73	.65	.49	.81	2.69	1.39	1.14	.24	.41	.00	12.06
(2)	.31	.17	.31	.20	.03	.06	.14	.25	.22	.17	.28	.93	.48	.39	.08	.14	.00	4.15
4.1- 5.0	4	11	0	0	0	2	17	10	11	10	18	46	28	6	1	2	0	166
(1)	.33	.90	.00	.00	.00	.16	1.39	.81	.90	.81	1.47	3.75	2.28	.49	.08	.16	.00	13.53
(2)	.11	.31	.00	.00	.00	.06	.48	.28	.31	.28	.51	1.29	.79	.17	.03	.06	.00	4.66
5.1- 6.0	6	5	2	1	0	1	13	14	18	25	17	57	13	6	3	0	0	181
(1)	.49	.41	.16	.08	.00	.08	1.06	1.14	1.47	2.04	1.39	4.65	1.06	.49	.24	.00	.00	14.75
(2)	.17	.14	.06	.03	.00	.03	.36	.39	.51	.70	.48	1.60	.36	.17	.08	.00	.00	5.08
6.1- 8.0	7	9	1	0	0	12	26	30	56	24	33	68	29	5	2	3	0	305
(1)	.57	.73	.08	.00	.00	.98	2.12	2.44	4.56	1.96	2.69	5.54	2.36	.41	.16	.24	.00	24.86
(2)	.20	.25	.03	.00	.00	.34	.73	.84	1.57	.67	.93	1.91	.81	.14	.06	.08	.00	8.56
8.1-10.0	5	4	0	0	0	5	15	18	14	8	4	23	17	1	0	0	0	114
(1)	.41	.33	.00	.00	.00	.41	1.22	1.47	1.14	.65	.33	1.87	1.39	.08	.00	.00	.00	9.29
(2)	.14	.11	.00	.00	.00	.14	.42	.51	.39	.22	.11	.65	.48	.03	.00	.00	.00	3.20
10.1-40.3	2	1	0	0	0	0	6	4	0	0	0	17	9	1	2	0	0	42
(1)	.16	.08	.00	.00	.00	.00	.49	.33	.00	.00	.00	1.39	.73	.08	.16	.00	.00	3.42
(2)	.06	.03	.00	.00	.00	.00	.17	.11	.00	.00	.00	.48	.25	.03	.06	.00	.00	1.18
ALL SPEEDS	53	67	40	28	12	29	91	93	113	80	102	274	142	53	24	26	0	1227
(1)	4.32	5.46	3.26	2.28	.98	2.36	7.42	7.58	9.21	6.52	8.31	22.33	11.57	4.32	1.96	2.12	.00	100.00
(2)	1.49	1.88	1.12	.79	.34	.81	2.55	2.61	3.17	2.24	2.86	7.69	3.98	1.49	.67	.73	.00	34.43

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Table 2.3-68—{NMPNS 200 ft (61-m) 2001-2005 June JFD}

(Page 6 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 14.90

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	2	0	1	1	0	0	0	1	0	1	0	0	1	0	1	0	11
(1)	.56	.38	.00	.19	.19	.00	.00	.00	.19	.00	.19	.00	.00	.19	.00	.19	.00	2.07
(2)	.08	.06	.00	.03	.03	.00	.00	.00	.03	.00	.03	.00	.00	.03	.00	.03	.00	.31
1.1- 1.5	2	2	4	0	2	1	0	1	0	1	3	2	3	0	0	1	0	22
(1)	.38	.38	.75	.00	.38	.19	.00	.19	.00	.19	.56	.38	.56	.00	.00	.19	.00	4.14
(2)	.06	.06	.11	.00	.06	.03	.00	.03	.00	.03	.08	.06	.08	.00	.00	.03	.00	.62
1.6- 2.0	1	2	2	0	4	0	1	1	1	1	2	2	3	3	3	1	0	27
(1)	.19	.38	.38	.00	.75	.00	.19	.19	.19	.19	.38	.38	.56	.56	.56	.19	.00	5.08
(2)	.03	.06	.06	.00	.11	.00	.03	.03	.03	.03	.06	.06	.08	.08	.08	.03	.00	.76
2.1- 3.0	5	4	7	8	6	5	2	3	2	2	8	20	9	8	0	2	0	91
(1)	.94	.75	1.32	1.51	1.13	.94	.38	.56	.38	.38	1.51	3.77	1.69	1.51	.00	.38	.00	17.14
(2)	.14	.11	.20	.22	.17	.14	.06	.08	.06	.06	.22	.56	.25	.22	.00	.06	.00	2.55
3.1- 4.0	2	3	1	4	6	2	2	4	2	4	7	23	8	3	1	3	0	75
(1)	.38	.56	.19	.75	1.13	.38	.38	.75	.38	.75	1.32	4.33	1.51	.56	.19	.56	.00	14.12
(2)	.06	.08	.03	.11	.17	.06	.06	.11	.06	.11	.20	.65	.22	.08	.03	.08	.00	2.10
4.1- 5.0	0	0	3	0	1	6	4	3	2	3	10	23	7	1	0	1	0	64
(1)	.00	.00	.56	.00	.19	1.13	.75	.56	.38	.56	1.88	4.33	1.32	.19	.00	.19	.00	12.05
(2)	.00	.00	.08	.00	.03	.17	.11	.08	.06	.08	.28	.65	.20	.03	.00	.03	.00	1.80
5.1- 6.0	5	0	0	0	1	2	3	6	6	5	15	18	4	1	0	0	0	66
(1)	.94	.00	.00	.00	.19	.38	.56	1.13	1.13	.94	2.82	3.39	.75	.19	.00	.00	.00	12.43
(2)	.14	.00	.00	.00	.03	.06	.08	.17	.17	.14	.42	.51	.11	.03	.00	.00	.00	1.85
6.1- 8.0	4	4	3	0	1	2	10	25	10	18	20	20	8	1	1	2	0	129
(1)	.75	.75	.56	.00	.19	.38	1.88	4.71	1.88	3.39	3.77	3.77	1.51	.19	.19	.38	.00	24.29
(2)	.11	.11	.08	.00	.03	.06	.28	.70	.28	.51	.56	.56	.22	.03	.03	.06	.00	3.62
8.1-10.0	2	5	0	0	0	0	0	2	5	8	1	4	6	1	0	1	0	35
(1)	.38	.94	.00	.00	.00	.00	.00	.38	.94	1.51	.19	.75	1.13	.19	.00	.19	.00	6.59
(2)	.06	.14	.00	.00	.00	.00	.00	.06	.14	.22	.03	.11	.17	.03	.00	.03	.00	.98
10.1-40.3	1	0	0	0	0	0	0	0	0	0	0	7	2	0	1	0	0	11
(1)	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.32	.38	.00	.19	.00	.00	2.07
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.06	.00	.03	.00	.00	.31
ALL SPEEDS	25	22	20	13	22	18	22	45	29	42	67	119	50	19	6	12	0	531
(1)	4.71	4.14	3.77	2.45	4.14	3.39	4.14	8.47	5.46	7.91	12.62	22.41	9.42	3.58	1.13	2.26	.00	100.00
(2)	.70	.62	.56	.36	.62	.51	.62	1.26	.81	1.18	1.88	3.34	1.40	.53	.17	.34	.00	14.90

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Table 2.3-68—{NMPNS 200 ft (61-m) 2001-2005 June JFD}

(Page 7 of 8)

NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 11.84

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.24	.00	.00	.00	.00	.00	.00	.00	.00	.24
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	1	1	1	2	1	3	0	1	1	3	0	1	2	1	2	1	0	21
(1)	.24	.24	.24	.47	.24	.71	.00	.24	.24	.71	.00	.24	.47	.24	.47	.24	.00	4.98
(2)	.03	.03	.03	.06	.03	.08	.00	.03	.03	.08	.00	.03	.06	.03	.06	.03	.00	.59
1.1- 1.5	1	1	3	3	1	3	3	3	2	3	4	3	2	1	1	1	0	35
(1)	.24	.24	.71	.71	.24	.71	.71	.71	.47	.71	.95	.71	.47	.24	.24	.24	.00	8.29
(2)	.03	.03	.08	.08	.03	.08	.08	.08	.06	.08	.11	.08	.06	.03	.03	.03	.00	.98
1.6- 2.0	1	2	6	1	1	2	0	3	2	1	4	3	4	1	1	0	0	32
(1)	.24	.47	1.42	.24	.24	.47	.00	.71	.47	.24	.95	.71	.95	.24	.24	.00	.00	7.58
(2)	.03	.06	.17	.03	.03	.06	.00	.08	.06	.03	.11	.08	.11	.03	.03	.00	.00	.90
2.1- 3.0	4	4	10	11	13	1	4	6	7	6	8	9	4	1	2	0	0	90
(1)	.95	.95	2.37	2.61	3.08	.24	.95	1.42	1.66	1.42	1.90	2.13	.95	.24	.47	.00	.00	21.33
(2)	.11	.11	.28	.31	.36	.03	.11	.17	.20	.17	.22	.25	.11	.03	.06	.00	.00	2.53
3.1- 4.0	0	1	3	5	5	4	7	4	10	3	9	9	3	1	0	0	0	64
(1)	.00	.24	.71	1.18	1.18	.95	1.66	.95	2.37	.71	2.13	2.13	.71	.24	.00	.00	.00	15.17
(2)	.00	.03	.08	.14	.14	.11	.20	.11	.28	.08	.25	.25	.08	.03	.00	.00	.00	1.80
4.1- 5.0	0	1	0	1	3	2	6	8	5	9	11	7	2	0	0	0	0	55
(1)	.00	.24	.00	.24	.71	.47	1.42	1.90	1.18	2.13	2.61	1.66	.47	.00	.00	.00	.00	13.03
(2)	.00	.03	.00	.03	.08	.06	.17	.22	.14	.25	.31	.20	.06	.00	.00	.00	.00	1.54
5.1- 6.0	0	1	0	0	1	2	8	6	6	8	13	9	1	0	0	0	0	55
(1)	.00	.24	.00	.00	.24	.47	1.90	1.42	1.42	1.90	3.08	2.13	.24	.00	.00	.00	.00	13.03
(2)	.00	.03	.00	.00	.03	.06	.22	.17	.17	.22	.36	.25	.03	.00	.00	.00	.00	1.54
6.1- 8.0	0	1	0	0	0	0	10	8	10	4	5	10	2	0	0	0	0	50
(1)	.00	.24	.00	.00	.00	.00	2.37	1.90	2.37	.95	1.18	2.37	.47	.00	.00	.00	.00	11.85
(2)	.00	.03	.00	.00	.00	.00	.28	.22	.28	.11	.14	.28	.06	.00	.00	.00	.00	1.40
8.1-10.0	0	0	0	0	0	0	2	1	0	1	0	1	4	1	0	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.47	.24	.00	.24	.00	.24	.95	.24	.00	.00	.00	2.37
(2)	.00	.00	.00	.00	.00	.00	.06	.03	.00	.03	.00	.03	.11	.03	.00	.00	.00	.28
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	3	1	4	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.71	.24	.95	.00	.00	2.13
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.03	.11	.00	.00	.25
ALL SPEEDS	7	12	23	23	25	17	40	40	44	38	54	53	27	7	10	2	0	422
(1)	1.66	2.84	5.45	5.45	5.92	4.03	9.48	9.48	10.43	9.00	12.80	12.56	6.40	1.66	2.37	.47	.00	100.00
(2)	.20	.34	.65	.65	.70	.48	1.12	1.12	1.23	1.07	1.52	1.49	.76	.20	.28	.06	.00	11.84

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Table 2.3-68—{NMPNS 200 ft (61-m) 2001-2005 June JFD}

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NMP JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	4	7	3	5	2	3	1	4	4	4	3	3	2	4	4	3	0	56
(1)	.11	.20	.08	.14	.06	.08	.03	.11	.11	.11	.08	.08	.06	.11	.11	.08	.00	1.57
(2)	.11	.20	.08	.14	.06	.08	.03	.11	.11	.11	.08	.08	.06	.11	.11	.08	.00	1.57
1.1- 1.5	6	11	10	6	5	4	8	6	3	7	13	10	12	6	3	9	0	119
(1)	.17	.31	.28	.17	.14	.11	.22	.17	.08	.20	.36	.28	.34	.17	.08	.25	.00	3.34
(2)	.17	.31	.28	.17	.14	.11	.22	.17	.08	.20	.36	.28	.34	.17	.08	.25	.00	3.34
1.6- 2.0	10	15	17	12	8	4	1	5	6	7	12	9	13	16	13	7	0	155
(1)	.28	.42	.48	.34	.22	.11	.03	.14	.17	.20	.34	.25	.36	.45	.36	.20	.00	4.35
(2)	.28	.42	.48	.34	.22	.11	.03	.14	.17	.20	.34	.25	.36	.45	.36	.20	.00	4.35
2.1- 3.0	37	40	48	30	29	16	14	14	21	19	32	62	58	46	28	35	0	529
(1)	1.04	1.12	1.35	.84	.81	.45	.39	.39	.59	.53	.90	1.74	1.63	1.29	.79	.98	.00	14.84
(2)	1.04	1.12	1.35	.84	.81	.45	.39	.39	.59	.53	.90	1.74	1.63	1.29	.79	.98	.00	14.84
3.1- 4.0	18	15	19	17	13	10	20	33	32	28	30	84	58	26	16	15	0	434
(1)	.51	.42	.53	.48	.36	.28	.56	.93	.90	.79	.84	2.36	1.63	.73	.45	.42	.00	12.18
(2)	.51	.42	.53	.48	.36	.28	.56	.93	.90	.79	.84	2.36	1.63	.73	.45	.42	.00	12.18
4.1- 5.0	11	28	13	3	6	12	38	35	33	36	44	124	56	14	9	13	0	475
(1)	.31	.79	.36	.08	.17	.34	1.07	.98	.93	1.01	1.23	3.48	1.57	.39	.25	.36	.00	13.33
(2)	.31	.79	.36	.08	.17	.34	1.07	.98	.93	1.01	1.23	3.48	1.57	.39	.25	.36	.00	13.33
5.1- 6.0	28	25	4	1	4	8	36	43	43	53	49	151	53	12	5	9	0	524
(1)	.79	.70	.11	.03	.11	.22	1.01	1.21	1.21	1.49	1.37	4.24	1.49	.34	.14	.25	.00	14.70
(2)	.79	.70	.11	.03	.11	.22	1.01	1.21	1.21	1.49	1.37	4.24	1.49	.34	.14	.25	.00	14.70
6.1- 8.0	26	33	5	0	1	17	71	71	93	58	68	236	72	12	8	19	0	790
(1)	.73	.93	.14	.00	.03	.48	1.99	1.99	2.61	1.63	1.91	6.62	2.02	.34	.22	.53	.00	22.17
(2)	.73	.93	.14	.00	.03	.48	1.99	1.99	2.61	1.63	1.91	6.62	2.02	.34	.22	.53	.00	22.17
8.1-10.0	19	17	0	0	0	11	33	27	21	19	6	110	59	13	3	4	0	342
(1)	.53	.48	.00	.00	.00	.31	.93	.76	.59	.53	.17	3.09	1.66	.36	.08	.11	.00	9.60
(2)	.53	.48	.00	.00	.00	.31	.93	.76	.59	.53	.17	3.09	1.66	.36	.08	.11	.00	9.60
10.1-40.3	9	8	0	0	0	0	8	4	0	0	0	52	44	4	9	1	0	139
(1)	.25	.22	.00	.00	.00	.00	.22	.11	.00	.00	.00	1.46	1.23	.11	.25	.03	.00	3.90
(2)	.25	.22	.00	.00	.00	.00	.22	.11	.00	.00	.00	1.46	1.23	.11	.25	.03	.00	3.90
ALL SPEEDS	168	199	119	74	68	85	230	242	257	231	257	841	427	153	98	115	0	3564
(1)	4.71	5.58	3.34	2.08	1.91	2.38	6.45	6.79	7.21	6.48	7.21	23.60	11.98	4.29	2.75	3.23	.00	100.00
(2)	4.71	5.58	3.34	2.08	1.91	2.38	6.45	6.79	7.21	6.48	7.21	23.60	11.98	4.29	2.75	3.23	.00	100.00

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Table 2.3-69—{NMPNS 200 ft (61-m) 2001-2005 July JFD}

(Page 1 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 10.90

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	5	2	0	11
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.00	.00	.25	.50	1.24	.50	.00	2.74
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.05	.14	.05	.00	.30
2.1- 3.0	3	3	0	0	0	0	0	0	0	0	0	0	3	10	18	11	0	48
(1)	.75	.75	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.75	2.49	4.48	2.74	.00	11.94
(2)	.08	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.27	.49	.30	.00	1.30
3.1- 4.0	10	7	0	0	0	0	0	0	1	0	0	6	6	8	6	10	0	54
(1)	2.49	1.74	.00	.00	.00	.00	.00	.00	.25	.00	.00	1.49	1.49	1.99	1.49	2.49	.00	13.43
(2)	.27	.19	.00	.00	.00	.00	.00	.00	.03	.00	.00	.16	.16	.22	.16	.27	.00	1.46
4.1- 5.0	3	2	0	0	0	0	3	1	4	0	0	21	7	5	5	11	0	62
(1)	.75	.50	.00	.00	.00	.00	.75	.25	1.00	.00	.00	5.22	1.74	1.24	1.24	2.74	.00	15.42
(2)	.08	.05	.00	.00	.00	.00	.08	.03	.11	.00	.00	.57	.19	.14	.14	.30	.00	1.68
5.1- 6.0	3	4	0	0	0	0	3	1	0	0	0	41	4	5	1	6	0	68
(1)	.75	1.00	.00	.00	.00	.00	.75	.25	.00	.00	.00	10.20	1.00	1.24	.25	1.49	.00	16.92
(2)	.08	.11	.00	.00	.00	.00	.08	.03	.00	.00	.00	1.11	.11	.14	.03	.16	.00	1.84
6.1- 8.0	15	5	0	0	0	0	0	0	0	0	0	58	1	7	6	2	0	94
(1)	3.73	1.24	.00	.00	.00	.00	.00	.00	.00	.00	.00	14.43	.25	1.74	1.49	.50	.00	23.38
(2)	.41	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.57	.03	.19	.16	.05	.00	2.55
8.1-10.0	14	7	0	0	0	0	0	0	0	0	0	23	5	0	3	1	0	53
(1)	3.48	1.74	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.72	1.24	.00	.75	.25	.00	13.18
(2)	.38	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.62	.14	.00	.08	.03	.00	1.44
10.1-40.3	1	1	0	0	0	0	0	0	0	0	0	1	8	0	0	1	0	12
(1)	.25	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	1.99	.00	.00	.25	.00	2.99
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.22	.00	.00	.03	.00	.33
ALL SPEEDS	49	29	0	0	0	0	6	2	5	1	0	150	35	37	44	44	0	402
(1)	12.19	7.21	.00	.00	.00	.00	1.49	.50	1.24	.25	.00	37.31	8.71	9.20	10.95	10.95	.00	100.00
(2)	1.33	.79	.00	.00	.00	.00	.16	.05	.14	.03	.00	4.07	.95	1.00	1.19	1.19	.00	10.90

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Table 2.3-69—{NMPNS 200 ft (61-m) 2001-2005 July JFD}

(Page 2 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.72

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	4
(1)	.57	.00	.00	.00	.57	.00	.00	.00	.00	.00	.00	.00	.57	.00	.57	.00	.00	2.30
(2)	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.11
2.1- 3.0	1	2	0	0	0	0	0	2	2	0	1	1	4	1	2	2	0	18
(1)	.57	1.15	.00	.00	.00	.00	.00	1.15	1.15	.00	.57	.57	2.30	.57	1.15	1.15	.00	10.34
(2)	.03	.05	.00	.00	.00	.00	.00	.05	.05	.00	.03	.03	.11	.03	.05	.05	.00	.49
3.1- 4.0	1	2	3	0	0	0	3	3	0	1	0	2	13	6	0	0	0	34
(1)	.57	1.15	1.72	.00	.00	.00	1.72	1.72	.00	.57	.00	1.15	7.47	3.45	.00	.00	.00	19.54
(2)	.03	.05	.08	.00	.00	.00	.08	.08	.00	.03	.00	.05	.35	.16	.00	.00	.00	.92
4.1- 5.0	0	3	0	0	0	0	3	4	0	0	0	7	14	0	1	0	0	32
(1)	.00	1.72	.00	.00	.00	.00	1.72	2.30	.00	.00	.00	4.02	8.05	.00	.57	.00	.00	18.39
(2)	.00	.08	.00	.00	.00	.00	.08	.11	.00	.00	.00	.19	.38	.00	.03	.00	.00	.87
5.1- 6.0	1	2	0	0	0	0	3	2	3	1	0	4	7	0	0	0	0	23
(1)	.57	1.15	.00	.00	.00	.00	1.72	1.15	1.72	.57	.00	2.30	4.02	.00	.00	.00	.00	13.22
(2)	.03	.05	.00	.00	.00	.00	.08	.05	.08	.03	.00	.11	.19	.00	.00	.00	.00	.62
6.1- 8.0	2	1	0	0	0	1	2	3	1	0	0	15	11	4	3	0	0	43
(1)	1.15	.57	.00	.00	.00	.57	1.15	1.72	.57	.00	.00	8.62	6.32	2.30	1.72	.00	.00	24.71
(2)	.05	.03	.00	.00	.00	.03	.05	.08	.03	.00	.00	.41	.30	.11	.08	.00	.00	1.17
8.1-10.0	1	1	0	0	0	0	0	0	0	0	0	1	5	4	2	0	0	14
(1)	.57	.57	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	2.87	2.30	1.15	.00	.00	8.05
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.14	.11	.05	.00	.00	.38
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.87	.57	.00	.00	.00	3.45
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.03	.00	.00	.00	.16
ALL SPEEDS	7	11	3	0	1	1	11	14	6	2	1	30	60	16	9	2	0	174
(1)	4.02	6.32	1.72	.00	.57	.57	6.32	8.05	3.45	1.15	.57	17.24	34.48	9.20	5.17	1.15	.00	100.00
(2)	.19	.30	.08	.00	.03	.03	.30	.38	.16	.05	.03	.81	1.63	.43	.24	.05	.00	4.72

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Table 2.3-69—{NMPNS 200 ft (61-m) 2001-2005 July JFD}

(Page 3 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.58

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.49	.49	.00	.00	.00	.97
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.05
1.6- 2.0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
(1)	.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.49	.00	.00	.00	.97
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.05
2.1- 3.0	1	5	3	1	0	2	2	2	4	1	1	1	4	1	2	1	0	31
(1)	.49	2.43	1.46	.49	.00	.97	.97	.97	1.94	.49	.49	.49	1.94	.49	.97	.49	.00	15.05
(2)	.03	.14	.08	.03	.00	.05	.05	.05	.11	.03	.03	.03	.11	.03	.05	.03	.00	.84
3.1- 4.0	0	2	3	1	0	2	1	2	3	0	0	6	9	2	2	2	0	35
(1)	.00	.97	1.46	.49	.00	.97	.49	.97	1.46	.00	.00	2.91	4.37	.97	.97	.97	.00	16.99
(2)	.00	.05	.08	.03	.00	.05	.03	.05	.08	.00	.00	.16	.24	.05	.05	.05	.00	.95
4.1- 5.0	1	1	1	0	0	0	4	1	2	1	0	5	7	0	2	1	0	26
(1)	.49	.49	.49	.00	.00	.00	1.94	.49	.97	.49	.00	2.43	3.40	.00	.97	.49	.00	12.62
(2)	.03	.03	.03	.00	.00	.00	.11	.03	.05	.03	.00	.14	.19	.00	.05	.03	.00	.70
5.1- 6.0	1	1	0	0	0	0	7	1	4	1	0	7	4	1	1	1	0	29
(1)	.49	.49	.00	.00	.00	.00	3.40	.49	1.94	.49	.00	3.40	1.94	.49	.49	.49	.00	14.08
(2)	.03	.03	.00	.00	.00	.00	.19	.03	.11	.03	.00	.19	.11	.03	.03	.03	.00	.79
6.1- 8.0	2	2	0	0	0	0	1	2	0	0	0	13	13	5	1	2	0	41
(1)	.97	.97	.00	.00	.00	.00	.49	.97	.00	.00	.00	6.31	6.31	2.43	.49	.97	.00	19.90
(2)	.05	.05	.00	.00	.00	.00	.03	.05	.00	.00	.00	.35	.35	.14	.03	.05	.00	1.11
8.1-10.0	4	1	0	0	0	1	0	1	0	0	0	3	16	3	1	1	0	31
(1)	1.94	.49	.00	.00	.00	.49	.00	.49	.00	.00	.00	1.46	7.77	1.46	.49	.49	.00	15.05
(2)	.11	.03	.00	.00	.00	.03	.00	.03	.00	.00	.00	.08	.43	.08	.03	.03	.00	.84
10.1-40.3	0	1	0	0	0	0	0	0	0	0	0	0	3	5	0	0	0	9
(1)	.00	.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.46	2.43	.00	.00	.00	4.37
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.14	.00	.00	.00	.24
ALL SPEEDS	10	13	7	2	0	5	15	9	13	3	1	35	57	19	9	8	0	206
(1)	4.85	6.31	3.40	.97	.00	2.43	7.28	4.37	6.31	1.46	.49	16.99	27.67	9.22	4.37	3.88	.00	100.00
(2)	.27	.35	.19	.05	.00	.14	.41	.24	.35	.08	.03	.95	1.55	.52	.24	.22	.00	5.58

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Table 2.3-69—{NMPNS 200 ft (61-m) 2001-2005 July JFD}

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NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 31.50

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	3	0	0	1	1	1	0	0	0	1	0	0	0	2	0	0	9
(1)	.00	.26	.00	.00	.09	.09	.09	.00	.00	.00	.09	.00	.00	.00	.17	.00	.00	.77
(2)	.00	.08	.00	.00	.03	.03	.03	.00	.00	.00	.03	.00	.00	.00	.05	.00	.00	.24
1.1- 1.5	7	6	3	2	2	2	1	1	1	0	1	3	2	2	1	3	0	37
(1)	.60	.52	.26	.17	.17	.17	.09	.09	.09	.00	.09	.26	.17	.17	.09	.26	.00	3.18
(2)	.19	.16	.08	.05	.05	.05	.03	.03	.03	.00	.03	.08	.05	.05	.03	.08	.00	1.00
1.6- 2.0	0	5	4	2	2	2	3	3	1	3	0	0	3	1	2	5	0	36
(1)	.00	.43	.34	.17	.17	.17	.26	.26	.09	.26	.00	.00	.26	.09	.17	.43	.00	3.10
(2)	.00	.14	.11	.05	.05	.05	.08	.08	.03	.08	.00	.00	.08	.03	.05	.14	.00	.98
2.1- 3.0	10	6	8	8	6	5	3	10	9	5	7	6	18	4	4	8	0	117
(1)	.86	.52	.69	.69	.52	.43	.26	.86	.77	.43	.60	.52	1.55	.34	.34	.69	.00	10.07
(2)	.27	.16	.22	.22	.16	.14	.08	.27	.24	.14	.19	.16	.49	.11	.11	.22	.00	3.17
3.1- 4.0	4	5	8	0	3	6	3	14	15	8	2	14	29	7	2	5	0	125
(1)	.34	.43	.69	.00	.26	.52	.26	1.20	1.29	.69	.17	1.20	2.50	.60	.17	.43	.00	10.76
(2)	.11	.14	.22	.00	.08	.16	.08	.38	.41	.22	.05	.38	.79	.19	.05	.14	.00	3.39
4.1- 5.0	7	11	6	0	1	4	15	13	13	20	6	25	21	13	7	3	0	165
(1)	.60	.95	.52	.00	.09	.34	1.29	1.12	1.12	1.72	.52	2.15	1.81	1.12	.60	.26	.00	14.20
(2)	.19	.30	.16	.00	.03	.11	.41	.35	.35	.54	.16	.68	.57	.35	.19	.08	.00	4.47
5.1- 6.0	9	10	7	0	1	15	18	8	31	7	10	27	27	6	2	6	0	184
(1)	.77	.86	.60	.00	.09	1.29	1.55	.69	2.67	.60	.86	2.32	2.32	.52	.17	.52	.00	15.83
(2)	.24	.27	.19	.00	.03	.41	.49	.22	.84	.19	.27	.73	.73	.16	.05	.16	.00	4.99
6.1- 8.0	10	18	4	0	1	11	24	19	18	10	13	68	46	11	12	8	0	273
(1)	.86	1.55	.34	.00	.09	.95	2.07	1.64	1.55	.86	1.12	5.85	3.96	.95	1.03	.69	.00	23.49
(2)	.27	.49	.11	.00	.03	.30	.65	.52	.49	.27	.35	1.84	1.25	.30	.33	.22	.00	7.40
8.1-10.0	6	24	0	0	0	1	5	7	4	1	6	36	43	14	8	7	0	162
(1)	.52	2.07	.00	.00	.00	.09	.43	.60	.34	.09	.52	3.10	3.70	1.20	.69	.60	.00	13.94
(2)	.16	.65	.00	.00	.00	.03	.14	.19	.11	.03	.16	.98	1.17	.38	.22	.19	.00	4.39
10.1-40.3	5	7	0	0	0	0	1	0	0	0	0	9	22	7	1	2	0	54
(1)	.43	.60	.00	.00	.00	.00	.09	.00	.00	.00	.00	.77	1.89	.60	.09	.17	.00	4.65
(2)	.14	.19	.00	.00	.00	.00	.03	.00	.00	.00	.00	.24	.60	.19	.03	.05	.00	1.46
ALL SPEEDS	58	95	40	12	17	47	74	75	92	54	46	188	211	65	41	47	0	1162
(1)	4.99	8.18	3.44	1.03	1.46	4.04	6.37	6.45	7.92	4.65	3.96	16.18	18.16	5.59	3.53	4.04	.00	100.00
(2)	1.57	2.58	1.08	.33	.46	1.27	2.01	2.03	2.49	1.46	1.25	5.10	5.72	1.76	1.11	1.27	.00	31.50

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Table 2.3-69—{NMPNS 200 ft (61-m) 2001-2005 July JFD}

(Page 5 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 29.57

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	0	1	0	0	0	1	0	1	0	0	2	1	0	0	0	0	9
(1)	.27	.00	.09	.00	.00	.00	.09	.00	.09	.00	.00	.18	.09	.00	.00	.00	.00	.82
(2)	.08	.00	.03	.00	.00	.00	.03	.00	.03	.00	.00	.05	.03	.00	.00	.00	.00	.24
1.1- 1.5	2	0	3	2	1	0	1	2	0	0	2	1	1	2	2	2	0	21
(1)	.18	.00	.27	.18	.09	.00	.09	.18	.00	.00	.18	.09	.09	.18	.18	.18	.00	1.92
(2)	.05	.00	.08	.05	.03	.00	.03	.05	.00	.00	.05	.03	.03	.05	.05	.05	.00	.57
1.6- 2.0	0	1	3	7	1	1	2	1	1	0	4	5	3	4	4	0	0	37
(1)	.00	.09	.27	.64	.09	.09	.18	.09	.09	.00	.37	.46	.27	.37	.37	.00	.00	3.39
(2)	.00	.03	.08	.19	.03	.03	.05	.03	.03	.00	.11	.14	.08	.11	.11	.00	.00	1.00
2.1- 3.0	4	2	5	10	5	5	3	6	1	4	10	7	13	3	0	5	0	83
(1)	.37	.18	.46	.92	.46	.46	.27	.55	.09	.37	.92	.64	1.19	.27	.00	.46	.00	7.61
(2)	.11	.05	.14	.27	.14	.14	.08	.16	.03	.11	.27	.19	.35	.08	.00	.14	.00	2.25
3.1- 4.0	5	4	4	4	6	6	10	1	6	5	12	20	17	4	2	0	0	106
(1)	.46	.37	.37	.37	.55	.55	.92	.09	.55	.46	1.10	1.83	1.56	.37	.18	.00	.00	9.72
(2)	.14	.11	.11	.11	.16	.16	.27	.03	.16	.14	.33	.54	.46	.11	.05	.00	.00	2.87
4.1- 5.0	6	6	6	6	4	4	17	7	12	10	14	23	11	1	3	5	0	135
(1)	.55	.55	.55	.55	.37	.37	1.56	.64	1.10	.92	1.28	2.11	1.01	.09	.27	.46	.00	12.37
(2)	.16	.16	.16	.16	.11	.11	.46	.19	.33	.27	.38	.62	.30	.03	.08	.14	.00	3.66
5.1- 6.0	7	1	4	3	3	4	23	19	24	19	25	42	9	2	2	1	0	188
(1)	.64	.09	.37	.27	.27	.37	2.11	1.74	2.20	1.74	2.29	3.85	.82	.18	.18	.09	.00	17.23
(2)	.19	.03	.11	.08	.08	.11	.62	.52	.65	.52	.68	1.14	.24	.05	.05	.03	.00	5.10
6.1- 8.0	4	5	9	0	0	1	57	42	82	55	24	88	15	1	4	0	0	387
(1)	.37	.46	.82	.00	.00	.09	5.22	3.85	7.52	5.04	2.20	8.07	1.37	.09	.37	.00	.00	35.47
(2)	.11	.14	.24	.00	.00	.03	1.55	1.14	2.22	1.49	.65	2.39	.41	.03	.11	.00	.00	10.49
8.1-10.0	2	1	1	0	0	0	6	18	11	2	5	31	14	6	4	0	0	101
(1)	.18	.09	.09	.00	.00	.00	.55	1.65	1.01	.18	.46	2.84	1.28	.55	.37	.00	.00	9.26
(2)	.05	.03	.03	.00	.00	.00	.16	.49	.30	.05	.14	.84	.38	.16	.11	.00	.00	2.74
10.1-40.3	0	1	1	0	0	0	3	0	0	0	0	6	12	1	0	0	0	24
(1)	.00	.09	.09	.00	.00	.00	.27	.00	.00	.00	.00	.55	1.10	.09	.00	.00	.00	2.20
(2)	.00	.03	.03	.00	.00	.00	.08	.00	.00	.00	.00	.16	.33	.03	.00	.00	.00	.65
ALL SPEEDS	33	21	37	32	20	21	123	96	138	95	96	225	96	24	21	13	0	1091
(1)	3.02	1.92	3.39	2.93	1.83	1.92	11.27	8.80	12.65	8.71	8.80	20.62	8.80	2.20	1.92	1.19	.00	100.00
(2)	.89	.57	1.00	.87	.54	.57	3.33	2.60	3.74	2.58	2.60	6.10	2.60	.65	.57	.35	.00	29.57

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Table 2.3-69—{NMPNS 200 ft (61-m) 2001-2005 July JFD}

(Page 6 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 9.24

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	2	0	0	0	0	0	0	0	1	2	0	1	0	0	0	6
(1)	.00	.00	.59	.00	.00	.00	.00	.00	.00	.00	.29	.59	.00	.29	.00	.00	.00	1.76
(2)	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.03	.05	.00	.03	.00	.00	.00	.16
1.1- 1.5	0	0	0	1	1	0	0	1	0	1	0	2	3	1	0	0	0	10
(1)	.00	.00	.00	.29	.29	.00	.00	.29	.00	.29	.00	.59	.88	.29	.00	.00	.00	2.93
(2)	.00	.00	.00	.03	.03	.00	.00	.03	.00	.03	.00	.05	.08	.03	.00	.00	.00	.27
1.6- 2.0	0	2	2	1	1	0	0	0	0	3	0	4	0	0	0	0	0	13
(1)	.00	.59	.59	.29	.29	.00	.00	.00	.00	.88	.00	1.17	.00	.00	.00	.00	.00	3.81
(2)	.00	.05	.05	.03	.03	.00	.00	.00	.00	.08	.00	.11	.00	.00	.00	.00	.00	.35
2.1- 3.0	0	1	0	4	7	2	0	1	2	2	2	7	1	0	2	0	0	31
(1)	.00	.29	.00	1.17	2.05	.59	.00	.29	.59	.59	.59	2.05	.29	.00	.59	.00	.00	9.09
(2)	.00	.03	.00	.11	.19	.05	.00	.03	.05	.05	.05	.19	.03	.00	.05	.00	.00	.84
3.1- 4.0	0	1	0	1	7	2	0	3	3	2	10	9	2	1	0	1	0	42
(1)	.00	.29	.00	.29	2.05	.59	.00	.88	.88	.59	2.93	2.64	.59	.29	.00	.29	.00	12.32
(2)	.00	.03	.00	.03	.19	.05	.00	.08	.08	.05	.27	.24	.05	.03	.00	.03	.00	1.14
4.1- 5.0	2	0	0	0	6	3	0	2	3	2	8	10	6	0	0	0	0	42
(1)	.59	.00	.00	.00	1.76	.88	.00	.59	.88	.59	2.35	2.93	1.76	.00	.00	.00	.00	12.32
(2)	.05	.00	.00	.00	.16	.08	.00	.05	.08	.05	.22	.27	.16	.00	.00	.00	.00	1.14
5.1- 6.0	0	0	1	0	4	6	2	3	3	3	9	8	2	0	0	0	0	41
(1)	.00	.00	.29	.00	1.17	1.76	.59	.88	.88	.88	2.64	2.35	.59	.00	.00	.00	.00	12.02
(2)	.00	.00	.03	.00	.11	.16	.05	.08	.08	.08	.24	.22	.05	.00	.00	.00	.00	1.11
6.1- 8.0	0	1	0	0	0	5	9	26	27	42	23	11	0	2	0	0	0	146
(1)	.00	.29	.00	.00	.00	1.47	2.64	7.62	7.92	12.32	6.74	3.23	.00	.59	.00	.00	.00	42.82
(2)	.00	.03	.00	.00	.00	.14	.24	.70	.73	1.14	.62	.30	.00	.05	.00	.00	.00	3.96
8.1-10.0	0	0	0	0	0	0	0	1	1	2	0	1	2	1	0	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.29	.29	.59	.00	.29	.59	.29	.00	.00	.00	2.35
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.03	.05	.00	.03	.05	.03	.00	.00	.00	.22
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.29	.00	.00	.00	.59
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.05
ALL SPEEDS	2	5	5	7	26	18	11	37	39	57	53	54	17	7	2	1	0	341
(1)	.59	1.47	1.47	2.05	7.62	5.28	3.23	10.85	11.44	16.72	15.54	15.84	4.99	2.05	.59	.29	.00	100.00
(2)	.05	.14	.14	.19	.70	.49	.30	1.00	1.06	1.55	1.44	1.46	.46	.19	.05	.03	.00	9.24

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Table 2.3-69—{NMPNS 200 ft (61-m) 2001-2005 July JFD}

(Page 7 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 8.48

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	0	0	1	1	0	0	0	2	0	0	0	0	1	0	0	6
(1)	.00	.32	.00	.00	.32	.32	.00	.00	.00	.64	.00	.00	.00	.00	.32	.00	.00	1.92
(2)	.00	.03	.00	.00	.03	.03	.00	.00	.00	.05	.00	.00	.00	.00	.03	.00	.00	.16
1.1- 1.5	0	1	1	1	1	0	0	0	3	2	0	2	1	1	0	0	0	13
(1)	.00	.32	.32	.32	.32	.00	.00	.00	.96	.64	.00	.64	.32	.32	.00	.00	.00	4.15
(2)	.00	.03	.03	.03	.03	.00	.00	.00	.08	.05	.00	.05	.03	.03	.00	.00	.00	.35
1.6- 2.0	0	0	0	2	0	1	0	0	2	0	2	2	0	0	0	0	0	9
(1)	.00	.00	.00	.64	.00	.32	.00	.00	.64	.00	.64	.64	.00	.00	.00	.00	.00	2.88
(2)	.00	.00	.00	.05	.00	.03	.00	.00	.05	.00	.05	.05	.00	.00	.00	.00	.00	.24
2.1- 3.0	0	0	0	7	7	3	2	2	0	8	10	8	5	1	0	0	0	53
(1)	.00	.00	.00	2.24	2.24	.96	.64	.64	.00	2.56	3.19	2.56	1.60	.32	.00	.00	.00	16.93
(2)	.00	.00	.00	.19	.19	.08	.05	.05	.00	.22	.27	.22	.14	.03	.00	.00	.00	1.44
3.1- 4.0	1	0	0	2	6	4	1	2	4	8	15	14	2	0	0	0	0	59
(1)	.32	.00	.00	.64	1.92	1.28	.32	.64	1.28	2.56	4.79	4.47	.64	.00	.00	.00	.00	18.85
(2)	.03	.00	.00	.05	.16	.11	.03	.05	.11	.22	.41	.38	.05	.00	.00	.00	.00	1.60
4.1- 5.0	0	0	0	2	0	6	6	10	7	4	10	4	0	0	0	0	0	49
(1)	.00	.00	.00	.64	.00	1.92	1.92	3.19	2.24	1.28	3.19	1.28	.00	.00	.00	.00	.00	15.65
(2)	.00	.00	.00	.05	.00	.16	.16	.27	.19	.11	.27	.11	.00	.00	.00	.00	.00	1.33
5.1- 6.0	0	0	0	0	1	1	6	11	10	5	20	5	0	0	0	0	0	59
(1)	.00	.00	.00	.00	.32	.32	1.92	3.51	3.19	1.60	6.39	1.60	.00	.00	.00	.00	.00	18.85
(2)	.00	.00	.00	.00	.03	.03	.16	.30	.27	.14	.54	.14	.00	.00	.00	.00	.00	1.60
6.1- 8.0	0	0	0	0	0	4	4	12	20	16	6	1	0	0	0	0	0	63
(1)	.00	.00	.00	.00	.00	1.28	1.28	3.83	6.39	5.11	1.92	.32	.00	.00	.00	.00	.00	20.13
(2)	.00	.00	.00	.00	.00	.11	.11	.33	.54	.43	.16	.03	.00	.00	.00	.00	.00	1.71
8.1-10.0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.32	.00	.32	.00	.00	.00	.00	.00	.00	.00	.00	.64
(2)	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.05
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1	2	1	14	16	20	20	37	47	45	63	36	8	2	1	0	0	313
(1)	.32	.64	.32	4.47	5.11	6.39	6.39	11.82	15.02	14.38	20.13	11.50	2.56	.64	.32	.00	.00	100.00
(2)	.03	.05	.03	.38	.43	.54	.54	1.00	1.27	1.22	1.71	.98	.22	.05	.03	.00	.00	8.48

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Table 2.3-69—{NMPNS 200 ft (61-m) 2001-2005 July JFD}

(Page 8 of 8)

NMP JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	4	3	0	2	2	2	0	1	2	2	4	1	1	3	0	0	30
(1)	.08	.11	.08	.00	.05	.05	.05	.00	.03	.05	.05	.11	.03	.03	.08	.00	.00	.81
(2)	.08	.11	.08	.00	.05	.05	.05	.00	.03	.05	.05	.11	.03	.03	.08	.00	.00	.81
1.1- 1.5	9	7	7	6	5	2	2	4	4	3	3	8	8	7	3	5	0	83
(1)	.24	.19	.19	.16	.14	.05	.05	.11	.11	.08	.08	.22	.22	.19	.08	.14	.00	2.25
(2)	.24	.19	.19	.16	.14	.05	.05	.11	.11	.08	.08	.22	.22	.19	.08	.14	.00	2.25
1.6- 2.0	2	8	9	12	5	4	5	4	4	7	6	11	8	8	12	7	0	112
(1)	.05	.22	.24	.33	.14	.11	.14	.11	.11	.19	.16	.30	.22	.22	.33	.19	.00	3.04
(2)	.05	.22	.24	.33	.14	.11	.14	.11	.11	.19	.16	.30	.22	.22	.33	.19	.00	3.04
2.1- 3.0	19	19	16	30	25	17	10	23	18	20	31	30	48	20	28	27	0	381
(1)	.52	.52	.43	.81	.68	.46	.27	.62	.49	.54	.84	.81	1.30	.54	.76	.73	.00	10.33
(2)	.52	.52	.43	.81	.68	.46	.27	.62	.49	.54	.84	.81	1.30	.54	.76	.73	.00	10.33
3.1- 4.0	21	21	18	8	22	20	18	25	32	24	39	71	78	28	12	18	0	455
(1)	.57	.57	.49	.22	.60	.54	.49	.68	.87	.65	1.06	1.92	2.11	.76	.33	.49	.00	12.33
(2)	.57	.57	.49	.22	.60	.54	.49	.68	.87	.65	1.06	1.92	2.11	.76	.33	.49	.00	12.33
4.1- 5.0	19	23	13	8	11	17	48	38	41	37	38	95	66	19	18	20	0	511
(1)	.52	.62	.35	.22	.30	.46	1.30	1.03	1.11	1.00	1.03	2.58	1.79	.52	.49	.54	.00	13.85
(2)	.52	.62	.35	.22	.30	.46	1.30	1.03	1.11	1.00	1.03	2.58	1.79	.52	.49	.54	.00	13.85
5.1- 6.0	21	18	12	3	9	26	62	45	75	36	64	134	53	14	6	14	0	592
(1)	.57	.49	.33	.08	.24	.70	1.68	1.22	2.03	.98	1.73	3.63	1.44	.38	.16	.38	.00	16.05
(2)	.57	.49	.33	.08	.24	.70	1.68	1.22	2.03	.98	1.73	3.63	1.44	.38	.16	.38	.00	16.05
6.1- 8.0	33	32	13	0	1	22	97	104	148	123	66	254	86	30	26	12	0	1047
(1)	.89	.87	.35	.00	.03	.60	2.63	2.82	4.01	3.33	1.79	6.89	2.33	.81	.70	.33	.00	28.38
(2)	.89	.87	.35	.00	.03	.60	2.63	2.82	4.01	3.33	1.79	6.89	2.33	.81	.70	.33	.00	28.38
8.1-10.0	27	34	1	0	0	2	12	27	17	5	11	95	85	28	18	9	0	371
(1)	.73	.92	.03	.00	.00	.05	.33	.73	.46	.14	.30	2.58	2.30	.76	.49	.24	.00	10.06
(2)	.73	.92	.03	.00	.00	.05	.33	.73	.46	.14	.30	2.58	2.30	.76	.49	.24	.00	10.06
10.1-40.3	6	10	1	0	0	0	4	0	0	0	0	16	51	15	1	3	0	107
(1)	.16	.27	.03	.00	.00	.00	.11	.00	.00	.00	.00	.43	1.38	.41	.03	.08	.00	2.90
(2)	.16	.27	.03	.00	.00	.00	.11	.00	.00	.00	.00	.43	1.38	.41	.03	.08	.00	2.90
ALL SPEEDS	160	176	93	67	80	112	260	270	340	257	260	718	484	170	127	115	0	3689
(1)	4.34	4.77	2.52	1.82	2.17	3.04	7.05	7.32	9.22	6.97	7.05	19.46	13.12	4.61	3.44	3.12	.00	100.00
(2)	4.34	4.77	2.52	1.82	2.17	3.04	7.05	7.32	9.22	6.97	7.05	19.46	13.12	4.61	3.44	3.12	.00	100.00

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Table 2.3-70—{NMPNS 200 ft (61-m) 2001-2005 August JFD}

(Page 1 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 12.04

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.00	.00	.22
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03
1.6- 2.0	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	6	0	10
(1)	.45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.00	.22	.00	.00	1.34	.00	2.23
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.16	.00	.27
2.1- 3.0	15	7	3	0	1	1	4	1	0	0	0	1	1	14	17	29	0	94
(1)	3.35	1.56	.67	.00	.22	.22	.89	.22	.00	.00	.00	.22	.22	3.13	3.79	6.47	.00	20.98
(2)	.40	.19	.08	.00	.03	.03	.11	.03	.00	.00	.00	.03	.03	.38	.46	.78	.00	2.53
3.1- 4.0	12	4	2	0	0	0	0	0	0	0	3	3	10	23	16	20	0	93
(1)	2.68	.89	.45	.00	.00	.00	.00	.00	.00	.00	.67	.67	2.23	5.13	3.57	4.46	.00	20.76
(2)	.32	.11	.05	.00	.00	.00	.00	.00	.00	.00	.08	.08	.27	.62	.43	.54	.00	2.50
4.1- 5.0	10	6	0	0	0	1	0	0	3	2	1	18	6	18	19	10	0	94
(1)	2.23	1.34	.00	.00	.00	.22	.00	.00	.67	.45	.22	4.02	1.34	4.02	4.24	2.23	.00	20.98
(2)	.27	.16	.00	.00	.00	.03	.00	.00	.08	.05	.03	.48	.16	.48	.51	.27	.00	2.53
5.1- 6.0	2	4	0	0	0	0	0	0	2	1	0	15	7	9	14	10	0	64
(1)	.45	.89	.00	.00	.00	.00	.00	.00	.45	.22	.00	3.35	1.56	2.01	3.13	2.23	.00	14.29
(2)	.05	.11	.00	.00	.00	.00	.00	.00	.05	.03	.00	.40	.19	.24	.38	.27	.00	1.72
6.1- 8.0	5	2	1	0	0	0	0	2	3	0	0	19	6	10	3	12	0	63
(1)	1.12	.45	.22	.00	.00	.00	.00	.45	.67	.00	.00	4.24	1.34	2.23	.67	2.68	.00	14.06
(2)	.13	.05	.03	.00	.00	.00	.00	.05	.08	.00	.00	.51	.16	.27	.08	.32	.00	1.69
8.1-10.0	9	5	1	0	0	0	0	0	0	0	0	6	0	2	0	2	0	25
(1)	2.01	1.12	.22	.00	.00	.00	.00	.00	.00	.00	.00	1.34	.00	.45	.00	.45	.00	5.58
(2)	.24	.13	.03	.00	.00	.00	.00	.00	.00	.00	.00	.16	.00	.05	.00	.05	.00	.67
10.1-40.3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4
(1)	.45	.22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.00	.89
(2)	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.11
ALL SPEEDS	57	29	7	0	1	2	4	3	8	3	5	62	31	76	70	90	0	448
(1)	12.72	6.47	1.56	.00	.22	.45	.89	.67	1.79	.67	1.12	13.84	6.92	16.96	15.63	20.09	.00	100.00
(2)	1.53	.78	.19	.00	.03	.05	.11	.08	.22	.08	.13	1.67	.83	2.04	1.88	2.42	.00	12.04

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Table 2.3-70—{NMPNS 200 ft (61-m) 2001-2005 August JFD}

(Page 2 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.84

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.56
(2)	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.6- 2.0	0	0	0	0	0	0	1	0	0	1	0	1	1	1	0	1	0	6
(1)	.00	.00	.00	.00	.00	.00	.56	.00	.00	.56	.00	.56	.56	.56	.00	.56	.00	3.33
(2)	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.00	.03	.03	.03	.00	.03	.00	.16
2.1- 3.0	2	3	3	1	0	0	3	2	2	3	1	1	3	7	3	3	0	37
(1)	1.11	1.67	1.67	.56	.00	.00	1.67	1.11	1.11	1.67	.56	.56	1.67	3.89	1.67	1.67	.00	20.56
(2)	.05	.08	.08	.03	.00	.00	.08	.05	.05	.08	.03	.03	.08	.19	.08	.08	.00	.99
3.1- 4.0	2	2	1	0	1	0	2	3	2	0	1	4	4	2	1	1	0	26
(1)	1.11	1.11	.56	.00	.56	.00	1.11	1.67	1.11	.00	.56	2.22	2.22	1.11	.56	.56	.00	14.44
(2)	.05	.05	.03	.00	.03	.00	.05	.08	.05	.00	.03	.11	.11	.05	.03	.03	.00	.70
4.1- 5.0	3	0	1	0	0	1	0	0	1	4	0	5	15	4	3	1	0	38
(1)	1.67	.00	.56	.00	.00	.56	.00	.00	.56	2.22	.00	2.78	8.33	2.22	1.67	.56	.00	21.11
(2)	.08	.00	.03	.00	.00	.03	.00	.00	.03	.11	.00	.13	.40	.11	.08	.03	.00	1.02
5.1- 6.0	2	0	0	0	0	0	0	0	0	2	0	4	5	2	2	1	0	18
(1)	1.11	.00	.00	.00	.00	.00	.00	.00	.00	1.11	.00	2.22	2.78	1.11	1.11	.56	.00	10.00
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.11	.13	.05	.05	.03	.00	.48
6.1- 8.0	2	1	1	0	0	0	1	9	3	0	0	9	5	1	1	0	0	33
(1)	1.11	.56	.56	.00	.00	.00	.56	5.00	1.67	.00	.00	5.00	2.78	.56	.56	.00	.00	18.33
(2)	.05	.03	.03	.00	.00	.00	.03	.24	.08	.00	.00	.24	.13	.03	.03	.00	.00	.89
8.1-10.0	1	0	0	0	0	0	0	1	0	0	0	4	7	2	0	0	0	15
(1)	.56	.00	.00	.00	.00	.00	.00	.56	.00	.00	.00	2.22	3.89	1.11	.00	.00	.00	8.33
(2)	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.11	.19	.05	.00	.00	.00	.40
10.1-40.3	2	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	6
(1)	1.11	.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.67	.00	.00	.00	.00	3.33
(2)	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00	.16
ALL SPEEDS	14	8	6	1	1	1	7	15	8	10	2	28	43	19	10	7	0	180
(1)	7.78	4.44	3.33	.56	.56	.56	3.89	8.33	4.44	5.56	1.11	15.56	23.89	10.56	5.56	3.89	.00	100.00
(2)	.38	.22	.16	.03	.03	.03	.19	.40	.22	.27	.05	.75	1.16	.51	.27	.19	.00	4.84

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Table 2.3-70—{NMPNS 200 ft (61-m) 2001-2005 August JFD}

(Page 3 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.89

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.46	.46	.46	.00	.00	.00	.00	1.37
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.03	.00	.00	.00	.00	.08
1.6- 2.0	2	2	0	0	0	2	0	0	1	0	0	1	2	2	1	0	0	13
(1)	.91	.91	.00	.00	.00	.91	.00	.00	.46	.00	.00	.46	.91	.91	.46	.00	.00	5.94
(2)	.05	.05	.00	.00	.00	.05	.00	.00	.03	.00	.00	.03	.05	.05	.03	.00	.00	.35
2.1- 3.0	3	3	3	1	1	2	2	0	4	1	2	2	4	5	1	1	0	35
(1)	1.37	1.37	1.37	.46	.46	.91	.91	.00	1.83	.46	.91	.91	1.83	2.28	.46	.46	.00	15.98
(2)	.08	.08	.08	.03	.03	.05	.05	.00	.11	.03	.05	.05	.11	.13	.03	.03	.00	.94
3.1- 4.0	0	3	0	0	1	2	0	2	2	1	2	2	7	2	4	0	0	28
(1)	.00	1.37	.00	.00	.46	.91	.00	.91	.91	.46	.91	.91	3.20	.91	1.83	.00	.00	12.79
(2)	.00	.08	.00	.00	.03	.05	.00	.05	.05	.03	.05	.05	.19	.05	.11	.00	.00	.75
4.1- 5.0	1	2	2	0	0	0	0	0	2	3	2	3	12	2	1	2	0	32
(1)	.46	.91	.91	.00	.00	.00	.00	.00	.91	1.37	.91	1.37	5.48	.91	.46	.91	.00	14.61
(2)	.03	.05	.05	.00	.00	.00	.00	.00	.05	.08	.05	.08	.32	.05	.03	.05	.00	.86
5.1- 6.0	5	2	0	0	0	0	1	1	2	5	0	6	10	4	1	1	0	38
(1)	2.28	.91	.00	.00	.00	.00	.46	.46	.91	2.28	.00	2.74	4.57	1.83	.46	.46	.00	17.35
(2)	.13	.05	.00	.00	.00	.00	.03	.03	.05	.13	.00	.16	.27	.11	.03	.03	.00	1.02
6.1- 8.0	1	1	0	0	0	0	0	3	2	3	0	8	4	2	4	0	0	28
(1)	.46	.46	.00	.00	.00	.00	.00	1.37	.91	1.37	.00	3.65	1.83	.91	1.83	.00	.00	12.79
(2)	.03	.03	.00	.00	.00	.00	.00	.08	.05	.08	.00	.22	.11	.05	.11	.00	.00	.75
8.1-10.0	1	1	1	0	0	0	1	0	0	0	0	4	13	6	0	0	0	27
(1)	.46	.46	.46	.00	.00	.00	.46	.00	.00	.00	.00	1.83	5.94	2.74	.00	.00	.00	12.33
(2)	.03	.03	.03	.00	.00	.00	.03	.00	.00	.00	.00	.11	.35	.16	.00	.00	.00	.73
10.1-40.3	4	1	0	0	0	0	0	0	0	0	0	0	8	2	0	0	0	15
(1)	1.83	.46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.65	.91	.00	.00	.00	6.85
(2)	.11	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.05	.00	.00	.00	.40
ALL SPEEDS	17	15	6	1	2	6	4	6	13	13	7	27	61	25	12	4	0	219
(1)	7.76	6.85	2.74	.46	.91	2.74	1.83	2.74	5.94	5.94	3.20	12.33	27.85	11.42	5.48	1.83	.00	100.00
(2)	.46	.40	.16	.03	.05	.16	.11	.16	.35	.35	.19	.73	1.64	.67	.32	.11	.00	5.89

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Table 2.3-70—{NMPNS 200 ft (61-m) 2001-2005 August JFD}

(Page 4 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 31.69

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	3	1	1	1	0	1	0	0	0	1	1	0	0	1	1	0	0	11
(1)	.25	.08	.08	.08	.00	.08	.00	.00	.00	.08	.08	.00	.00	.08	.08	.00	.00	.93
(2)	.08	.03	.03	.03	.00	.03	.00	.00	.00	.03	.03	.00	.00	.03	.03	.00	.00	.30
1.1- 1.5	0	0	5	2	0	4	0	1	2	5	2	2	3	3	3	2	0	34
(1)	.00	.00	.42	.17	.00	.34	.00	.08	.17	.42	.17	.17	.25	.25	.25	.17	.00	2.88
(2)	.00	.00	.13	.05	.00	.11	.00	.03	.05	.13	.05	.05	.08	.08	.08	.05	.00	.91
1.6- 2.0	4	9	5	4	2	0	1	1	0	3	2	2	9	4	3	4	0	53
(1)	.34	.76	.42	.34	.17	.00	.08	.08	.00	.25	.17	.17	.76	.34	.25	.34	.00	4.50
(2)	.11	.24	.13	.11	.05	.00	.03	.03	.00	.08	.05	.05	.24	.11	.08	.11	.00	1.42
2.1- 3.0	6	11	11	10	6	6	8	5	5	2	4	9	21	16	7	3	0	130
(1)	.51	.93	.93	.85	.51	.51	.68	.42	.42	.17	.34	.76	1.78	1.36	.59	.25	.00	11.03
(2)	.16	.30	.30	.27	.16	.16	.22	.13	.13	.05	.11	.24	.56	.43	.19	.08	.00	3.49
3.1- 4.0	6	9	4	1	0	7	7	13	10	6	7	13	23	6	9	3	0	124
(1)	.51	.76	.34	.08	.00	.59	.59	1.10	.85	.51	.59	1.10	1.95	.51	.76	.25	.00	10.52
(2)	.16	.24	.11	.03	.00	.19	.19	.35	.27	.16	.19	.35	.62	.16	.24	.08	.00	3.33
4.1- 5.0	6	15	13	2	1	0	6	15	10	9	4	16	34	14	9	7	0	161
(1)	.51	1.27	1.10	.17	.08	.00	.51	1.27	.85	.76	.34	1.36	2.88	1.19	.76	.59	.00	13.66
(2)	.16	.40	.35	.05	.03	.00	.16	.40	.27	.24	.11	.43	.91	.38	.24	.19	.00	4.33
5.1- 6.0	14	12	13	0	2	2	10	13	19	13	7	21	27	13	8	4	0	178
(1)	1.19	1.02	1.10	.00	.17	.17	.85	1.10	1.61	1.10	.59	1.78	2.29	1.10	.68	.34	.00	15.10
(2)	.38	.32	.35	.00	.05	.05	.27	.35	.51	.35	.19	.56	.73	.35	.22	.11	.00	4.78
6.1- 8.0	14	7	22	1	0	7	8	20	31	6	7	31	44	30	13	9	0	250
(1)	1.19	.59	1.87	.08	.00	.59	.68	1.70	2.63	.51	.59	2.63	3.73	2.54	1.10	.76	.00	21.20
(2)	.38	.19	.59	.03	.00	.19	.22	.54	.83	.16	.19	.83	1.18	.81	.35	.24	.00	6.72
8.1-10.0	16	10	7	0	0	2	5	8	9	0	0	16	45	20	12	1	0	151
(1)	1.36	.85	.59	.00	.00	.17	.42	.68	.76	.00	.00	1.36	3.82	1.70	1.02	.08	.00	12.81
(2)	.43	.27	.19	.00	.00	.05	.13	.22	.24	.00	.00	.43	1.21	.54	.32	.03	.00	4.06
10.1-40.3	13	15	3	1	0	0	0	0	1	0	0	1	28	14	5	6	0	87
(1)	1.10	1.27	.25	.08	.00	.00	.00	.00	.08	.00	.00	.08	2.37	1.19	.42	.51	.00	7.38
(2)	.35	.40	.08	.03	.00	.00	.00	.00	.03	.00	.00	.03	.75	.38	.13	.16	.00	2.34
ALL SPEEDS	82	89	84	22	11	29	45	76	87	45	34	111	234	121	70	39	0	1179
(1)	6.96	7.55	7.12	1.87	.93	2.46	3.82	6.45	7.38	3.82	2.88	9.41	19.85	10.26	5.94	3.31	.00	100.00
(2)	2.20	2.39	2.26	.59	.30	.78	1.21	2.04	2.34	1.21	.91	2.98	6.29	3.25	1.88	1.05	.00	31.69

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Table 2.3-70—{NMPNS 200 ft (61-m) 2001-2005 August JFD}

(Page 5 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 24.09

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
(2)	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	0	0	0	0	1	0	0	0	0	2	1	0	1	1	1	1	0	8
(1)	.00	.00	.00	.00	.11	.00	.00	.00	.00	.22	.11	.00	.11	.11	.11	.11	.00	.89
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.05	.03	.00	.03	.03	.03	.03	.00	.22
1.1- 1.5	1	1	1	1	2	1	1	1	0	1	3	2	3	1	0	1	0	20
(1)	.11	.11	.11	.11	.22	.11	.11	.11	.00	.11	.33	.22	.33	.11	.00	.11	.00	2.23
(2)	.03	.03	.03	.03	.05	.03	.03	.03	.00	.03	.08	.05	.08	.03	.00	.03	.00	.54
1.6- 2.0	4	3	3	7	2	1	1	1	1	1	2	6	3	1	1	2	0	39
(1)	.45	.33	.33	.78	.22	.11	.11	.11	.11	.11	.22	.67	.33	.11	.11	.22	.00	4.35
(2)	.11	.08	.08	.19	.05	.03	.03	.03	.03	.03	.05	.16	.08	.03	.03	.05	.00	1.05
2.1- 3.0	5	4	12	14	16	5	3	5	7	4	7	6	9	5	1	5	0	108
(1)	.56	.45	1.34	1.56	1.79	.56	.33	.56	.78	.45	.78	.67	1.00	.56	.11	.56	.00	12.05
(2)	.13	.11	.32	.38	.43	.13	.08	.13	.19	.11	.19	.16	.24	.13	.03	.13	.00	2.90
3.1- 4.0	1	5	13	7	9	4	3	14	6	6	11	11	8	3	4	5	0	110
(1)	.11	.56	1.45	.78	1.00	.45	.33	1.56	.67	.67	1.23	1.23	.89	.33	.45	.56	.00	12.28
(2)	.03	.13	.35	.19	.24	.11	.08	.38	.16	.16	.30	.30	.22	.08	.11	.13	.00	2.96
4.1- 5.0	4	5	5	3	8	4	10	13	5	7	8	17	10	4	2	2	0	107
(1)	.45	.56	.56	.33	.89	.45	1.12	1.45	.56	.78	.89	1.90	1.12	.45	.22	.22	.00	11.94
(2)	.11	.13	.13	.08	.22	.11	.27	.35	.13	.19	.22	.46	.27	.11	.05	.05	.00	2.88
5.1- 6.0	2	3	4	1	1	4	11	13	18	19	10	16	11	2	1	0	0	116
(1)	.22	.33	.45	.11	.11	.45	1.23	1.45	2.01	2.12	1.12	1.79	1.23	.22	.11	.00	.00	12.95
(2)	.05	.08	.11	.03	.03	.11	.30	.35	.48	.51	.27	.43	.30	.05	.03	.00	.00	3.12
6.1- 8.0	3	2	2	0	3	5	26	46	94	42	26	28	12	4	2	2	0	297
(1)	.33	.22	.22	.00	.33	.56	2.90	5.13	10.49	4.69	2.90	3.13	1.34	.45	.22	.22	.00	33.15
(2)	.08	.05	.05	.00	.08	.13	.70	1.24	2.53	1.13	.70	.75	.32	.11	.05	.05	.00	7.98
8.1-10.0	0	1	1	0	0	1	12	29	19	0	1	11	2	4	1	0	0	82
(1)	.00	.11	.11	.00	.00	.11	1.34	3.24	2.12	.00	.11	1.23	.22	.45	.11	.00	.00	9.15
(2)	.00	.03	.03	.00	.00	.03	.32	.78	.51	.00	.03	.30	.05	.11	.03	.00	.00	2.20
10.1-40.3	0	2	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	8
(1)	.00	.22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.45	.22	.00	.00	.00	.00	.89
(2)	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.05	.00	.00	.00	.00	.22
ALL SPEEDS	20	26	41	33	42	25	68	122	150	82	69	101	61	25	13	18	0	896
(1)	2.23	2.90	4.58	3.68	4.69	2.79	7.59	13.62	16.74	9.15	7.70	11.27	6.81	2.79	1.45	2.01	.00	100.00
(2)	.54	.70	1.10	.89	1.13	.67	1.83	3.28	4.03	2.20	1.85	2.72	1.64	.67	.35	.48	.00	24.09

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Table 2.3-70—{NMPNS 200 ft (61-m) 2001-2005 August JFD}

(Page 6 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 9.57

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	2	0	1	0	1	1	0	0	0	1	1	3	1	0	0	0	12
(1)	.28	.56	.00	.28	.00	.28	.28	.00	.00	.00	.28	.28	.84	.28	.00	.00	.00	3.37
(2)	.03	.05	.00	.03	.00	.03	.03	.00	.00	.00	.03	.03	.08	.03	.00	.00	.00	.32
1.1- 1.5	0	1	3	3	1	2	2	2	0	2	4	3	3	1	0	1	0	28
(1)	.00	.28	.84	.84	.28	.56	.56	.56	.00	.56	1.12	.84	.84	.28	.00	.28	.00	7.87
(2)	.00	.03	.08	.08	.03	.05	.05	.05	.00	.05	.11	.08	.08	.03	.00	.03	.00	.75
1.6- 2.0	0	0	2	1	1	5	0	2	2	2	0	1	1	1	1	0	0	19
(1)	.00	.00	.56	.28	.28	1.40	.00	.56	.56	.56	.00	.28	.28	.28	.28	.00	.00	5.34
(2)	.00	.00	.05	.03	.03	.13	.00	.05	.05	.05	.00	.03	.03	.03	.03	.00	.00	.51
2.1- 3.0	1	0	3	2	5	5	6	3	4	4	2	4	5	2	2	1	0	49
(1)	.28	.00	.84	.56	1.40	1.40	1.69	.84	1.12	1.12	.56	1.12	1.40	.56	.56	.28	.00	13.76
(2)	.03	.00	.08	.05	.13	.13	.16	.08	.11	.11	.05	.11	.13	.05	.05	.03	.00	1.32
3.1- 4.0	0	0	1	3	6	5	2	3	5	7	11	8	4	2	0	0	0	57
(1)	.00	.00	.28	.84	1.69	1.40	.56	.84	1.40	1.97	3.09	2.25	1.12	.56	.00	.00	.00	16.01
(2)	.00	.00	.03	.08	.16	.13	.05	.08	.13	.19	.30	.22	.11	.05	.00	.00	.00	1.53
4.1- 5.0	1	0	0	2	2	3	2	7	6	3	4	7	4	2	1	1	0	45
(1)	.28	.00	.00	.56	.56	.84	.56	1.97	1.69	.84	1.12	1.97	1.12	.56	.28	.28	.00	12.64
(2)	.03	.00	.00	.05	.05	.08	.05	.19	.16	.08	.11	.19	.11	.05	.03	.03	.00	1.21
5.1- 6.0	0	0	0	0	3	2	3	6	9	16	13	11	3	1	0	0	0	67
(1)	.00	.00	.00	.00	.84	.56	.84	1.69	2.53	4.49	3.65	3.09	.84	.28	.00	.00	.00	18.82
(2)	.00	.00	.00	.00	.08	.05	.08	.16	.24	.43	.35	.30	.08	.03	.00	.00	.00	1.80
6.1- 8.0	0	0	0	0	0	4	3	19	15	22	5	0	0	0	0	0	0	68
(1)	.00	.00	.00	.00	.00	1.12	.84	5.34	4.21	6.18	1.40	.00	.00	.00	.00	.00	.00	19.10
(2)	.00	.00	.00	.00	.00	.11	.08	.51	.40	.59	.13	.00	.00	.00	.00	.00	.00	1.83
8.1-10.0	0	0	0	0	0	0	3	4	2	0	0	1	0	0	0	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.84	1.12	.56	.00	.00	.28	.00	.00	.00	.00	.00	2.81
(2)	.00	.00	.00	.00	.00	.00	.08	.11	.05	.00	.00	.03	.00	.00	.00	.00	.00	.27
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	3	3	9	12	19	27	22	46	43	56	40	36	23	10	4	3	0	356
(1)	.84	.84	2.53	3.37	5.34	7.58	6.18	12.92	12.08	15.73	11.24	10.11	6.46	2.81	1.12	.84	.00	100.00
(2)	.08	.08	.24	.32	.51	.73	.59	1.24	1.16	1.51	1.08	.97	.62	.27	.11	.08	.00	9.57

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Table 2.3-70—{NMPNS 200 ft (61-m) 2001-2005 August JFD}

(Page 7 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 11.88

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.00	.00	.00	.23
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03
.5- 1.0	1	1	1	2	3	1	2	5	1	2	2	2	0	0	1	1	0	25
(1)	.23	.23	.23	.45	.68	.23	.45	1.13	.23	.45	.45	.45	.00	.00	.23	.23	.00	5.66
(2)	.03	.03	.03	.05	.08	.03	.05	.13	.03	.05	.05	.05	.00	.00	.03	.03	.00	.67
1.1- 1.5	0	3	1	3	2	0	0	1	4	2	4	3	1	2	1	3	0	30
(1)	.00	.68	.23	.68	.45	.00	.00	.23	.90	.45	.90	.68	.23	.45	.23	.68	.00	6.79
(2)	.00	.08	.03	.08	.05	.00	.00	.03	.11	.05	.11	.08	.03	.05	.03	.08	.00	.81
1.6- 2.0	3	1	5	5	2	3	1	3	3	5	3	6	3	1	0	3	0	47
(1)	.68	.23	1.13	1.13	.45	.68	.23	.68	.68	1.13	.68	1.36	.68	.23	.00	.68	.00	10.63
(2)	.08	.03	.13	.13	.05	.08	.03	.08	.08	.13	.08	.16	.08	.03	.00	.08	.00	1.26
2.1- 3.0	0	1	3	4	10	3	6	5	9	7	13	15	2	7	3	1	0	89
(1)	.00	.23	.68	.90	2.26	.68	1.36	1.13	2.04	1.58	2.94	3.39	.45	1.58	.68	.23	.00	20.14
(2)	.00	.03	.08	.11	.27	.08	.16	.13	.24	.19	.35	.40	.05	.19	.08	.03	.00	2.39
3.1- 4.0	0	0	0	0	1	2	8	8	7	13	9	7	1	1	1	1	0	59
(1)	.00	.00	.00	.00	.23	.45	1.81	1.81	1.58	2.94	2.04	1.58	.23	.23	.23	.23	.00	13.35
(2)	.00	.00	.00	.00	.03	.05	.22	.22	.19	.35	.24	.19	.03	.03	.03	.03	.00	1.59
4.1- 5.0	0	0	0	0	3	5	6	5	11	10	14	9	1	1	0	0	0	65
(1)	.00	.00	.00	.00	.68	1.13	1.36	1.13	2.49	2.26	3.17	2.04	.23	.23	.00	.00	.00	14.71
(2)	.00	.00	.00	.00	.08	.13	.16	.13	.30	.27	.38	.24	.03	.03	.00	.00	.00	1.75
5.1- 6.0	0	0	0	0	0	1	4	5	9	5	12	9	0	0	0	0	0	45
(1)	.00	.00	.00	.00	.00	.23	.90	1.13	2.04	1.13	2.71	2.04	.00	.00	.00	.00	.00	10.18
(2)	.00	.00	.00	.00	.00	.03	.11	.13	.24	.13	.32	.24	.00	.00	.00	.00	.00	1.21
6.1- 8.0	0	0	0	0	0	3	6	17	35	9	10	1	0	0	0	0	0	81
(1)	.00	.00	.00	.00	.00	.68	1.36	3.85	7.92	2.04	2.26	.23	.00	.00	.00	.00	.00	18.33
(2)	.00	.00	.00	.00	.00	.08	.16	.46	.94	.24	.27	.03	.00	.00	.00	.00	.00	2.18
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	4	6	10	14	21	18	33	49	79	53	67	52	8	13	6	9	0	442
(1)	.90	1.36	2.26	3.17	4.75	4.07	7.47	11.09	17.87	11.99	15.16	11.76	1.81	2.94	1.36	2.04	.00	100.00
(2)	.11	.16	.27	.38	.56	.48	.89	1.32	2.12	1.42	1.80	1.40	.22	.35	.16	.24	.00	11.88

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Table 2.3-70—{NMPNS 200 ft (61-m) 2001-2005 August JFD}

(Page 8 of 8)

NMP AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.3- .4	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.05
(2)	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.05
.5- 1.0	5	4	2	4	4	3	3	5	1	5	5	3	4	3	3	2	0	56
(1)	.13	.11	.05	.11	.11	.08	.08	.13	.03	.13	.13	.08	.11	.08	.08	.05	.00	1.51
(2)	.13	.11	.05	.11	.11	.08	.08	.13	.03	.13	.13	.08	.11	.08	.08	.05	.00	1.51
1.1- 1.5	1	6	10	9	5	7	3	5	6	10	14	11	11	7	5	7	0	117
(1)	.03	.16	.27	.24	.13	.19	.08	.13	.16	.27	.38	.30	.30	.19	.13	.19	.00	3.15
(2)	.03	.16	.27	.24	.13	.19	.08	.13	.16	.27	.38	.30	.30	.19	.13	.19	.00	3.15
1.6- 2.0	15	15	15	17	7	11	4	7	7	12	8	17	20	10	6	16	0	187
(1)	.40	.40	.40	.46	.19	.30	.11	.19	.19	.32	.22	.46	.54	.27	.16	.43	.00	5.03
(2)	.40	.40	.40	.46	.19	.30	.11	.19	.19	.32	.22	.46	.54	.27	.16	.43	.00	5.03
2.1- 3.0	32	29	38	32	39	22	32	21	31	21	29	38	45	56	34	43	0	542
(1)	.86	.78	1.02	.86	1.05	.59	.86	.56	.83	.56	.78	1.02	1.21	1.51	.91	1.16	.00	14.57
(2)	.86	.78	1.02	.86	1.05	.59	.86	.56	.83	.56	.78	1.02	1.21	1.51	.91	1.16	.00	14.57
3.1- 4.0	21	23	21	11	18	20	22	43	32	33	44	48	57	39	35	30	0	497
(1)	.56	.62	.56	.30	.48	.54	.59	1.16	.86	.89	1.18	1.29	1.53	1.05	.94	.81	.00	13.36
(2)	.56	.62	.56	.30	.48	.54	.59	1.16	.86	.89	1.18	1.29	1.53	1.05	.94	.81	.00	13.36
4.1- 5.0	25	28	21	7	14	14	24	40	38	38	33	75	82	45	35	23	0	542
(1)	.67	.75	.56	.19	.38	.38	.65	1.08	1.02	1.02	.89	2.02	2.20	1.21	.94	.62	.00	14.57
(2)	.67	.75	.56	.19	.38	.38	.65	1.08	1.02	1.02	.89	2.02	2.20	1.21	.94	.62	.00	14.57
5.1- 6.0	25	21	17	1	6	9	29	38	59	61	42	82	63	31	26	16	0	526
(1)	.67	.56	.46	.03	.16	.24	.78	1.02	1.59	1.64	1.13	2.20	1.69	.83	.70	.43	.00	14.14
(2)	.67	.56	.46	.03	.16	.24	.78	1.02	1.59	1.64	1.13	2.20	1.69	.83	.70	.43	.00	14.14
6.1- 8.0	25	13	26	1	3	19	44	116	183	82	48	96	71	47	23	23	0	820
(1)	.67	.35	.70	.03	.08	.51	1.18	3.12	4.92	2.20	1.29	2.58	1.91	1.26	.62	.62	.00	22.04
(2)	.67	.35	.70	.03	.08	.51	1.18	3.12	4.92	2.20	1.29	2.58	1.91	1.26	.62	.62	.00	22.04
8.1-10.0	27	17	10	0	0	3	21	42	30	0	1	42	67	34	13	3	0	310
(1)	.73	.46	.27	.00	.00	.08	.56	1.13	.81	.00	.03	1.13	1.80	.91	.35	.08	.00	8.33
(2)	.73	.46	.27	.00	.00	.08	.56	1.13	.81	.00	.03	1.13	1.80	.91	.35	.08	.00	8.33
10.1-40.3	21	20	3	1	0	0	0	0	1	0	0	5	41	16	5	7	0	120
(1)	.56	.54	.08	.03	.00	.00	.00	.00	.03	.00	.00	.13	1.10	.43	.13	.19	.00	3.23
(2)	.56	.54	.08	.03	.00	.00	.00	.00	.03	.00	.00	.13	1.10	.43	.13	.19	.00	3.23
ALL SPEEDS	197	176	163	83	97	108	183	317	388	262	224	417	461	289	185	170	0	3720
(1)	5.30	4.73	4.38	2.23	2.61	2.90	4.92	8.52	10.43	7.04	6.02	11.21	12.39	7.77	4.97	4.57	.00	100.00
(2)	5.30	4.73	4.38	2.23	2.61	2.90	4.92	8.52	10.43	7.04	6.02	11.21	12.39	7.77	4.97	4.57	.00	100.00

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Table 2.3-71—{NMPNS 200 ft (61-m) 2001-2005 September JFD}

(Page 1 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 10.80

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.26	.26	.00	.78
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.03	.00	.08
1.6- 2.0	2	0	0	0	0	0	0	0	0	0	0	0	0	4	5	2	0	13
(1)	.52	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.03	1.29	.52	.00	3.36
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.14	.06	.00	.36
2.1- 3.0	13	1	1	1	0	0	1	1	2	0	0	0	3	10	7	16	0	56
(1)	3.36	.26	.26	.26	.00	.00	.26	.26	.52	.00	.00	.00	.78	2.58	1.81	4.13	.00	14.47
(2)	.36	.03	.03	.03	.00	.00	.03	.03	.06	.00	.00	.00	.08	.28	.20	.45	.00	1.56
3.1- 4.0	7	4	1	0	0	1	3	4	0	0	0	1	3	4	16	12	0	56
(1)	1.81	1.03	.26	.00	.00	.26	.78	1.03	.00	.00	.00	.26	.78	1.03	4.13	3.10	.00	14.47
(2)	.20	.11	.03	.00	.00	.03	.08	.11	.00	.00	.00	.03	.08	.11	.45	.33	.00	1.56
4.1- 5.0	7	6	2	0	0	2	4	3	2	1	0	8	0	3	6	8	0	52
(1)	1.81	1.55	.52	.00	.00	.52	1.03	.78	.52	.26	.00	2.07	.00	.78	1.55	2.07	.00	13.44
(2)	.20	.17	.06	.00	.00	.06	.11	.08	.06	.03	.00	.22	.00	.08	.17	.22	.00	1.45
5.1- 6.0	18	7	0	0	0	1	8	5	3	0	1	9	2	3	6	8	0	71
(1)	4.65	1.81	.00	.00	.00	.26	2.07	1.29	.78	.00	.26	2.33	.52	.78	1.55	2.07	.00	18.35
(2)	.50	.20	.00	.00	.00	.03	.22	.14	.08	.00	.03	.25	.06	.08	.17	.22	.00	1.98
6.1- 8.0	13	9	0	0	0	3	0	7	2	0	0	26	0	1	1	6	0	68
(1)	3.36	2.33	.00	.00	.00	.78	.00	1.81	.52	.00	.00	6.72	.00	.26	.26	1.55	.00	17.57
(2)	.36	.25	.00	.00	.00	.08	.00	.20	.06	.00	.00	.73	.00	.03	.03	.17	.00	1.90
8.1-10.0	11	13	2	0	0	0	1	1	0	0	0	3	0	0	0	3	0	34
(1)	2.84	3.36	.52	.00	.00	.00	.26	.26	.00	.00	.00	.78	.00	.00	.00	.78	.00	8.79
(2)	.31	.36	.06	.00	.00	.00	.03	.03	.00	.00	.00	.08	.00	.00	.00	.08	.00	.95
10.1-40.3	1	4	0	0	0	0	0	0	1	0	1	0	5	8	2	12	0	34
(1)	.26	1.03	.00	.00	.00	.00	.00	.00	.26	.00	.26	.00	1.29	2.07	.52	3.10	.00	8.79
(2)	.03	.11	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.14	.22	.06	.33	.00	.95
ALL SPEEDS	72	44	6	1	0	7	17	21	10	1	2	47	13	34	44	68	0	387
(1)	18.60	11.37	1.55	.26	.00	1.81	4.39	5.43	2.58	.26	.52	12.14	3.36	8.79	11.37	17.57	.00	100.00
(2)	2.01	1.23	.17	.03	.00	.20	.47	.59	.28	.03	.06	1.31	.36	.95	1.23	1.90	.00	10.80

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Table 2.3-71—{NMPNS 200 ft (61-m) 2001-2005 September JFD}

(Page 2 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.11

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.55	.00	.00	.00	.00	.55
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	0	5
(1)	.55	.00	.00	.00	.00	.00	.00	.00	.55	.00	.00	.00	.00	.00	.55	1.09	.00	2.73
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03	.06	.00	.14
2.1- 3.0	3	3	1	0	0	0	2	2	2	3	1	1	4	3	2	1	0	28
(1)	1.64	1.64	.55	.00	.00	.00	1.09	1.09	1.09	1.64	.55	.55	2.19	1.64	1.09	.55	.00	15.30
(2)	.08	.08	.03	.00	.00	.00	.06	.06	.06	.08	.03	.03	.11	.08	.06	.03	.00	.78
3.1- 4.0	4	3	0	0	0	2	2	3	4	0	0	1	3	4	1	1	0	28
(1)	2.19	1.64	.00	.00	.00	1.09	1.09	1.64	2.19	.00	.00	.55	1.64	2.19	.55	.55	.00	15.30
(2)	.11	.08	.00	.00	.00	.06	.06	.08	.11	.00	.00	.03	.08	.11	.03	.03	.00	.78
4.1- 5.0	0	0	0	0	0	3	3	3	1	1	0	5	10	4	1	1	0	32
(1)	.00	.00	.00	.00	.00	1.64	1.64	1.64	.55	.55	.00	2.73	5.46	2.19	.55	.55	.00	17.49
(2)	.00	.00	.00	.00	.00	.08	.08	.08	.03	.03	.00	.14	.28	.11	.03	.03	.00	.89
5.1- 6.0	5	0	0	0	0	2	6	8	5	1	0	3	10	0	1	1	0	42
(1)	2.73	.00	.00	.00	.00	1.09	3.28	4.37	2.73	.55	.00	1.64	5.46	.00	.55	.55	.00	22.95
(2)	.14	.00	.00	.00	.00	.06	.17	.22	.14	.03	.00	.08	.28	.00	.03	.03	.00	1.17
6.1- 8.0	3	1	0	0	0	0	0	4	1	0	0	5	3	1	0	0	0	18
(1)	1.64	.55	.00	.00	.00	.00	.00	2.19	.55	.00	.00	2.73	1.64	.55	.00	.00	.00	9.84
(2)	.08	.03	.00	.00	.00	.00	.00	.11	.03	.00	.00	.14	.08	.03	.00	.00	.00	.50
8.1-10.0	0	1	0	0	0	0	0	1	1	0	0	5	1	1	1	1	0	12
(1)	.00	.55	.00	.00	.00	.00	.00	.55	.55	.00	.00	2.73	.55	.55	.55	.55	.00	6.56
(2)	.00	.03	.00	.00	.00	.00	.00	.03	.03	.00	.00	.14	.03	.03	.03	.03	.00	.33
10.1-40.3	2	0	0	0	0	0	0	0	0	0	0	1	2	5	4	3	0	17
(1)	1.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.55	1.09	2.73	2.19	1.64	.00	9.29
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.06	.14	.11	.08	.00	.47
ALL SPEEDS	18	8	1	0	0	7	13	21	15	5	1	21	34	18	11	10	0	183
(1)	9.84	4.37	.55	.00	.00	3.83	7.10	11.48	8.20	2.73	.55	11.48	18.58	9.84	6.01	5.46	.00	100.00
(2)	.50	.22	.03	.00	.00	.20	.36	.59	.42	.14	.03	.59	.95	.50	.31	.28	.00	5.11

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Table 2.3-71—{NMPNS 200 ft (61-m) 2001-2005 September JFD}

(Page 3 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.53

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.51	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.51
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.6- 2.0	0	1	0	0	0	0	1	0	0	0	1	0	0	1	0	1	0	5
(1)	.00	.51	.00	.00	.00	.00	.51	.00	.00	.00	.51	.00	.00	.51	.00	.51	.00	2.53
(2)	.00	.03	.00	.00	.00	.00	.03	.00	.00	.00	.03	.00	.00	.03	.00	.03	.00	.14
2.1- 3.0	2	3	2	0	0	0	1	2	2	2	0	0	4	1	2	0	0	21
(1)	1.01	1.52	1.01	.00	.00	.00	.51	1.01	1.01	1.01	.00	.00	2.02	.51	1.01	.00	.00	10.61
(2)	.06	.08	.06	.00	.00	.00	.03	.06	.06	.06	.00	.00	.11	.03	.06	.00	.00	.59
3.1- 4.0	2	1	0	0	0	0	2	1	3	4	4	1	7	3	2	2	0	32
(1)	1.01	.51	.00	.00	.00	.00	1.01	.51	1.52	2.02	2.02	.51	3.54	1.52	1.01	1.01	.00	16.16
(2)	.06	.03	.00	.00	.00	.00	.06	.03	.08	.11	.11	.03	.20	.08	.06	.06	.00	.89
4.1- 5.0	2	0	2	0	1	1	1	5	6	5	0	1	6	6	0	0	0	36
(1)	1.01	.00	1.01	.00	.51	.51	.51	2.53	3.03	2.53	.00	.51	3.03	3.03	.00	.00	.00	18.18
(2)	.06	.00	.06	.00	.03	.03	.03	.14	.17	.14	.00	.03	.17	.17	.00	.00	.00	1.00
5.1- 6.0	1	0	0	0	2	0	5	5	4	1	2	1	5	2	2	1	0	31
(1)	.51	.00	.00	.00	1.01	.00	2.53	2.53	2.02	.51	1.01	.51	2.53	1.01	1.01	.51	.00	15.66
(2)	.03	.00	.00	.00	.06	.00	.14	.14	.11	.03	.06	.03	.14	.06	.06	.03	.00	.87
6.1- 8.0	2	5	1	0	0	1	2	9	6	0	0	7	2	2	1	1	0	39
(1)	1.01	2.53	.51	.00	.00	.51	1.01	4.55	3.03	.00	.00	3.54	1.01	1.01	.51	.51	.00	19.70
(2)	.06	.14	.03	.00	.00	.03	.06	.25	.17	.00	.00	.20	.06	.06	.03	.03	.00	1.09
8.1-10.0	2	4	0	0	0	0	2	0	1	0	0	1	3	1	2	3	0	19
(1)	1.01	2.02	.00	.00	.00	.00	1.01	.00	.51	.00	.00	.51	1.52	.51	1.01	1.52	.00	9.60
(2)	.06	.11	.00	.00	.00	.00	.06	.00	.03	.00	.00	.03	.08	.03	.06	.08	.00	.53
10.1-40.3	8	1	0	0	0	0	0	0	1	0	0	1	0	0	0	3	0	14
(1)	4.04	.51	.00	.00	.00	.00	.00	.00	.51	.00	.00	.51	.00	.00	.00	1.52	.00	7.07
(2)	.22	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.00	.00	.00	.08	.00	.39
ALL SPEEDS	20	15	5	0	3	2	14	22	23	12	7	12	27	16	9	11	0	198
(1)	10.10	7.58	2.53	.00	1.52	1.01	7.07	11.11	11.62	6.06	3.54	6.06	13.64	8.08	4.55	5.56	.00	100.00
(2)	.56	.42	.14	.00	.08	.06	.39	.61	.64	.33	.20	.33	.75	.45	.25	.31	.00	5.53

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Table 2.3-71—{NMPNS 200 ft (61-m) 2001-2005 September JFD}

(Page 4 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 29.67

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	1	0	0	5
(1)	.00	.09	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.19	.09	.00	.00	.47
(2)	.00	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.03	.00	.00	.14
1.1- 1.5	3	2	2	0	2	0	0	1	0	1	1	1	0	0	0	1	0	14
(1)	.28	.19	.19	.00	.19	.00	.00	.09	.00	.09	.09	.09	.00	.00	.00	.09	.00	1.32
(2)	.08	.06	.06	.00	.06	.00	.00	.03	.00	.03	.03	.03	.00	.00	.00	.03	.00	.39
1.6- 2.0	3	5	4	2	2	1	1	4	1	1	0	4	1	0	3	2	0	34
(1)	.28	.47	.38	.19	.19	.09	.09	.38	.09	.09	.00	.38	.09	.00	.28	.19	.00	3.20
(2)	.08	.14	.11	.06	.06	.03	.03	.11	.03	.03	.00	.11	.03	.00	.08	.06	.00	.95
2.1- 3.0	4	12	6	4	1	1	5	3	4	8	5	5	4	5	3	6	0	76
(1)	.38	1.13	.56	.38	.09	.09	.47	.28	.38	.75	.47	.47	.38	.47	.28	.56	.00	7.15
(2)	.11	.33	.17	.11	.03	.03	.14	.08	.11	.22	.14	.14	.11	.14	.08	.17	.00	2.12
3.1- 4.0	9	13	6	2	2	2	10	9	4	10	3	6	7	7	4	2	0	96
(1)	.85	1.22	.56	.19	.19	.19	.94	.85	.38	.94	.28	.56	.66	.66	.38	.19	.00	9.03
(2)	.25	.36	.17	.06	.06	.06	.28	.25	.11	.28	.08	.17	.20	.20	.11	.06	.00	2.68
4.1- 5.0	12	4	9	3	1	7	11	15	23	9	3	9	17	3	4	5	0	135
(1)	1.13	.38	.85	.28	.09	.66	1.03	1.41	2.16	.85	.28	.85	1.60	.28	.38	.47	.00	12.70
(2)	.33	.11	.25	.08	.03	.20	.31	.42	.64	.25	.08	.25	.47	.08	.11	.14	.00	3.77
5.1- 6.0	13	4	19	3	0	9	21	18	16	6	8	11	11	3	7	8	0	157
(1)	1.22	.38	1.79	.28	.00	.85	1.98	1.69	1.51	.56	.75	1.03	1.03	.28	.66	.75	.00	14.77
(2)	.36	.11	.53	.08	.00	.25	.59	.50	.45	.17	.22	.31	.31	.08	.20	.22	.00	4.38
6.1- 8.0	15	26	18	2	0	3	24	35	30	6	4	15	35	13	17	14	0	257
(1)	1.41	2.45	1.69	.19	.00	.28	2.26	3.29	2.82	.56	.38	1.41	3.29	1.22	1.60	1.32	.00	24.18
(2)	.42	.73	.50	.06	.00	.08	.67	.98	.84	.17	.11	.42	.98	.36	.47	.39	.00	7.17
8.1-10.0	6	32	11	0	2	0	6	8	10	1	1	8	25	13	9	5	0	137
(1)	.56	3.01	1.03	.00	.19	.00	.56	.75	.94	.09	.09	.75	2.35	1.22	.85	.47	.00	12.89
(2)	.17	.89	.31	.00	.06	.00	.17	.22	.28	.03	.03	.22	.70	.36	.25	.14	.00	3.82
10.1-40.3	15	32	1	0	1	9	9	13	3	0	1	10	32	19	5	2	0	152
(1)	1.41	3.01	.09	.00	.09	.85	.85	1.22	.28	.00	.09	.94	3.01	1.79	.47	.19	.00	14.30
(2)	.42	.89	.03	.00	.03	.25	.25	.36	.08	.00	.03	.28	.89	.53	.14	.06	.00	4.24
ALL SPEEDS	80	131	76	17	11	32	87	106	91	42	26	69	132	65	53	45	0	1063
(1)	7.53	12.32	7.15	1.60	1.03	3.01	8.18	9.97	8.56	3.95	2.45	6.49	12.42	6.11	4.99	4.23	.00	100.00
(2)	2.23	3.66	2.12	.47	.31	.89	2.43	2.96	2.54	1.17	.73	1.93	3.68	1.81	1.48	1.26	.00	29.67

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Table 2.3-71—{NMPNS 200 ft (61-m) 2001-2005 September JFD}

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NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 26.43

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	5
(1)	.11	.11	.11	.00	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.53
(2)	.03	.03	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.14
1.1- 1.5	2	1	3	1	2	0	0	0	1	1	1	0	0	1	0	0	0	13
(1)	.21	.11	.32	.11	.21	.00	.00	.00	.11	.11	.11	.00	.00	.11	.00	.00	.00	1.37
(2)	.06	.03	.08	.03	.06	.00	.00	.00	.03	.03	.03	.00	.00	.03	.00	.00	.00	.36
1.6- 2.0	4	1	3	4	2	0	0	1	1	0	2	3	0	0	0	0	0	21
(1)	.42	.11	.32	.42	.21	.00	.00	.11	.11	.00	.21	.32	.00	.00	.00	.00	.00	2.22
(2)	.11	.03	.08	.11	.06	.00	.00	.03	.03	.00	.06	.08	.00	.00	.00	.00	.00	.59
2.1- 3.0	6	6	3	11	5	7	0	1	2	4	6	10	7	4	3	0	0	75
(1)	.63	.63	.32	1.16	.53	.74	.00	.11	.21	.42	.63	1.06	.74	.42	.32	.00	.00	7.92
(2)	.17	.17	.08	.31	.14	.20	.00	.03	.06	.11	.17	.28	.20	.11	.08	.00	.00	2.09
3.1- 4.0	2	1	11	7	7	8	4	4	2	4	3	6	3	2	1	1	0	66
(1)	.21	.11	1.16	.74	.74	.84	.42	.42	.21	.42	.32	.63	.32	.21	.11	.11	.00	6.97
(2)	.06	.03	.31	.20	.20	.22	.11	.11	.06	.11	.08	.17	.08	.06	.03	.03	.00	1.84
4.1- 5.0	1	4	13	3	3	6	14	12	16	5	3	13	3	2	1	1	0	100
(1)	.11	.42	1.37	.32	.32	.63	1.48	1.27	1.69	.53	.32	1.37	.32	.21	.11	.11	.00	10.56
(2)	.03	.11	.36	.08	.08	.17	.39	.33	.45	.14	.08	.36	.08	.06	.03	.03	.00	2.79
5.1- 6.0	3	4	1	3	0	9	25	29	17	22	14	10	6	0	0	1	0	144
(1)	.32	.42	.11	.32	.00	.95	2.64	3.06	1.80	2.32	1.48	1.06	.63	.00	.00	.11	.00	15.21
(2)	.08	.11	.03	.08	.00	.25	.70	.81	.47	.61	.39	.28	.17	.00	.00	.03	.00	4.02
6.1- 8.0	1	2	5	1	2	10	66	100	73	32	20	15	11	1	1	0	0	340
(1)	.11	.21	.53	.11	.21	1.06	6.97	10.56	7.71	3.38	2.11	1.58	1.16	.11	.11	.00	.00	35.90
(2)	.03	.06	.14	.03	.06	.28	1.84	2.79	2.04	.89	.56	.42	.31	.03	.03	.00	.00	9.49
8.1-10.0	1	0	2	0	0	5	25	39	48	4	2	9	7	7	3	3	0	155
(1)	.11	.00	.21	.00	.00	.53	2.64	4.12	5.07	.42	.21	.95	.74	.74	.32	.32	.00	16.37
(2)	.03	.00	.06	.00	.00	.14	.70	1.09	1.34	.11	.06	.25	.20	.20	.08	.08	.00	4.33
10.1-40.3	0	1	0	0	0	0	5	7	0	0	0	4	4	3	4	0	0	28
(1)	.00	.11	.00	.00	.00	.00	.53	.74	.00	.00	.00	.42	.42	.32	.42	.00	.00	2.96
(2)	.00	.03	.00	.00	.00	.00	.14	.20	.00	.00	.00	.11	.11	.08	.11	.00	.00	.78
ALL SPEEDS	21	21	42	30	21	46	139	193	160	72	51	70	41	20	14	6	0	947
(1)	2.22	2.22	4.44	3.17	2.22	4.86	14.68	20.38	16.90	7.60	5.39	7.39	4.33	2.11	1.48	.63	.00	100.00
(2)	.59	.59	1.17	.84	.59	1.28	3.88	5.39	4.47	2.01	1.42	1.95	1.14	.56	.39	.17	.00	26.43

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Table 2.3-71—{NMPNS 200 ft (61-m) 2001-2005 September JFD}

(Page 6 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 9.29

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	1	0	1	0	2	0	0	0	0	1	0	0	0	5
(1)	.00	.00	.00	.00	.30	.00	.30	.00	.60	.00	.00	.00	.00	.30	.00	.00	.00	1.50
(2)	.00	.00	.00	.00	.03	.00	.03	.00	.06	.00	.00	.00	.00	.03	.00	.00	.00	.14
1.1- 1.5	0	0	0	0	2	2	0	0	0	0	2	1	0	0	0	1	0	8
(1)	.00	.00	.00	.00	.60	.60	.00	.00	.00	.00	.60	.30	.00	.00	.00	.30	.00	2.40
(2)	.00	.00	.00	.00	.06	.06	.00	.00	.00	.00	.06	.03	.00	.00	.00	.03	.00	.22
1.6- 2.0	0	0	1	1	0	2	1	0	0	0	1	0	0	0	1	1	0	8
(1)	.00	.00	.30	.30	.00	.60	.30	.00	.00	.00	.30	.00	.00	.00	.30	.30	.00	2.40
(2)	.00	.00	.03	.03	.00	.06	.03	.00	.00	.00	.03	.00	.00	.00	.03	.03	.00	.22
2.1- 3.0	0	0	0	1	4	0	2	5	1	1	5	4	4	2	1	0	0	30
(1)	.00	.00	.00	.30	1.20	.00	.60	1.50	.30	.30	1.50	1.20	1.20	.60	.30	.00	.00	9.01
(2)	.00	.00	.00	.03	.11	.00	.06	.14	.03	.03	.14	.11	.11	.06	.03	.00	.00	.84
3.1- 4.0	0	5	1	4	13	4	1	1	0	5	6	6	3	1	0	1	0	51
(1)	.00	1.50	.30	1.20	3.90	1.20	.30	.30	.00	1.50	1.80	1.80	.90	.30	.00	.30	.00	15.32
(2)	.00	.14	.03	.11	.36	.11	.03	.03	.00	.14	.17	.17	.08	.03	.00	.03	.00	1.42
4.1- 5.0	0	0	0	2	3	1	4	2	1	3	6	5	2	1	1	0	0	31
(1)	.00	.00	.00	.60	.90	.30	1.20	.60	.30	.90	1.80	1.50	.60	.30	.30	.00	.00	9.31
(2)	.00	.00	.00	.06	.08	.03	.11	.06	.03	.08	.17	.14	.06	.03	.03	.00	.00	.87
5.1- 6.0	0	1	0	0	3	3	1	9	5	2	10	3	1	0	1	0	0	39
(1)	.00	.30	.00	.00	.90	.90	.30	2.70	1.50	.60	3.00	.90	.30	.00	.30	.00	.00	11.71
(2)	.00	.03	.00	.00	.08	.08	.03	.25	.14	.06	.28	.08	.03	.00	.03	.00	.00	1.09
6.1- 8.0	0	0	0	0	1	3	13	32	23	26	25	8	4	1	0	0	0	136
(1)	.00	.00	.00	.00	.30	.90	3.90	9.61	6.91	7.81	7.51	2.40	1.20	.30	.00	.00	.00	40.84
(2)	.00	.00	.00	.00	.03	.08	.36	.89	.64	.73	.70	.22	.11	.03	.00	.00	.00	3.80
8.1-10.0	0	0	0	0	0	0	1	9	6	4	1	1	0	0	0	0	0	22
(1)	.00	.00	.00	.00	.00	.00	.30	2.70	1.80	1.20	.30	.30	.00	.00	.00	.00	.00	6.61
(2)	.00	.00	.00	.00	.00	.00	.03	.25	.17	.11	.03	.03	.00	.00	.00	.00	.00	.61
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.60	.00	.00	.90
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.06	.00	.00	.08
ALL SPEEDS	0	6	2	8	27	15	24	58	38	41	56	28	15	6	6	3	0	333
(1)	.00	1.80	.60	2.40	8.11	4.50	7.21	17.42	11.41	12.31	16.82	8.41	4.50	1.80	1.80	.90	.00	100.00
(2)	.00	.17	.06	.22	.75	.42	.67	1.62	1.06	1.14	1.56	.78	.42	.17	.17	.08	.00	9.29

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Table 2.3-71—{NMPNS 200 ft (61-m) 2001-2005 September JFD}

(Page 7 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 13.17

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	2	1	2	2	0	0	1	1	0	0	0	1	0	1	0	11
(1)	.00	.00	.42	.21	.42	.42	.00	.00	.21	.21	.00	.00	.00	.21	.00	.21	.00	2.33
(2)	.00	.00	.06	.03	.06	.06	.00	.00	.03	.03	.00	.00	.00	.03	.00	.03	.00	.31
1.1- 1.5	0	3	1	5	3	3	4	4	2	2	4	1	4	2	1	0	0	39
(1)	.00	.64	.21	1.06	.64	.64	.85	.85	.42	.42	.85	.21	.85	.42	.21	.00	.00	8.26
(2)	.00	.08	.03	.14	.08	.08	.11	.11	.06	.06	.11	.03	.11	.06	.03	.00	.00	1.09
1.6- 2.0	0	0	3	2	3	6	3	4	4	3	3	4	0	1	1	0	0	37
(1)	.00	.00	.64	.42	.64	1.27	.64	.85	.85	.64	.64	.85	.00	.21	.21	.00	.00	7.84
(2)	.00	.00	.08	.06	.08	.17	.08	.11	.11	.08	.08	.11	.00	.03	.03	.00	.00	1.03
2.1- 3.0	0	2	2	4	7	9	6	4	4	7	20	12	8	2	1	0	0	88
(1)	.00	.42	.42	.85	1.48	1.91	1.27	.85	.85	1.48	4.24	2.54	1.69	.42	.21	.00	.00	18.64
(2)	.00	.06	.06	.11	.20	.25	.17	.11	.11	.20	.56	.33	.22	.06	.03	.00	.00	2.46
3.1- 4.0	0	1	1	1	3	4	3	5	5	19	19	15	0	0	2	1	0	79
(1)	.00	.21	.21	.21	.64	.85	.64	1.06	1.06	4.03	4.03	3.18	.00	.00	.42	.21	.00	16.74
(2)	.00	.03	.03	.03	.08	.11	.08	.14	.14	.53	.53	.42	.00	.00	.06	.03	.00	2.20
4.1- 5.0	0	0	0	0	3	5	4	4	4	8	16	18	0	1	0	0	0	63
(1)	.00	.00	.00	.00	.64	1.06	.85	.85	.85	1.69	3.39	3.81	.00	.21	.00	.00	.00	13.35
(2)	.00	.00	.00	.00	.08	.14	.11	.11	.11	.22	.45	.50	.00	.03	.00	.00	.00	1.76
5.1- 6.0	0	0	0	0	0	2	10	5	13	13	15	3	1	0	0	0	0	62
(1)	.00	.00	.00	.00	.00	.42	2.12	1.06	2.75	2.75	3.18	.64	.21	.00	.00	.00	.00	13.14
(2)	.00	.00	.00	.00	.00	.06	.28	.14	.36	.36	.42	.08	.03	.00	.00	.00	.00	1.73
6.1- 8.0	0	0	0	0	0	3	11	14	18	20	15	1	0	2	0	0	0	84
(1)	.00	.00	.00	.00	.00	.64	2.33	2.97	3.81	4.24	3.18	.21	.00	.42	.00	.00	.00	17.80
(2)	.00	.00	.00	.00	.00	.08	.31	.39	.50	.56	.42	.03	.00	.06	.00	.00	.00	2.34
8.1-10.0	0	0	0	0	0	0	1	0	0	2	2	0	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.21	.00	.00	.42	.42	.00	.00	.00	.00	.00	.00	1.06
(2)	.00	.00	.00	.00	.00	.00	.03	.00	.00	.06	.06	.00	.00	.00	.00	.00	.00	.14
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.64	.00	.00	.85
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.00	.00	.11
ALL SPEEDS	0	6	9	13	21	34	42	40	51	75	94	54	13	10	8	2	0	472
(1)	.00	1.27	1.91	2.75	4.45	7.20	8.90	8.47	10.81	15.89	19.92	11.44	2.75	2.12	1.69	.42	.00	100.00
(2)	.00	.17	.25	.36	.59	.95	1.17	1.12	1.42	2.09	2.62	1.51	.36	.28	.22	.06	.00	13.17

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Table 2.3-71—{NMPNS 200 ft (61-m) 2001-2005 September JFD}

(Page 8 of 8)

NMP SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	1	2	3	2	3	3	1	0	3	1	0	0	1	4	2	1	0	27
(1)	.03	.06	.08	.06	.08	.08	.03	.00	.08	.03	.00	.00	.03	.11	.06	.03	.00	.75
(2)	.03	.06	.08	.06	.08	.08	.03	.00	.08	.03	.00	.00	.03	.11	.06	.03	.00	.75
1.1- 1.5	6	6	6	6	9	5	4	5	3	4	8	3	4	4	2	3	0	78
(1)	.17	.17	.17	.17	.25	.14	.11	.14	.08	.11	.22	.08	.11	.11	.06	.08	.00	2.18
(2)	.17	.17	.17	.17	.25	.14	.11	.14	.08	.11	.22	.08	.11	.11	.06	.08	.00	2.18
1.6- 2.0	10	7	11	9	7	9	6	9	7	4	7	11	1	6	11	8	0	123
(1)	.28	.20	.31	.25	.20	.25	.17	.25	.20	.11	.20	.31	.03	.17	.31	.22	.00	3.43
(2)	.28	.20	.31	.25	.20	.25	.17	.25	.20	.11	.20	.31	.03	.17	.31	.22	.00	3.43
2.1- 3.0	28	27	15	21	17	17	17	18	17	25	37	32	34	27	19	23	0	374
(1)	.78	.75	.42	.59	.47	.47	.47	.50	.47	.70	1.03	.89	.95	.75	.53	.64	.00	10.44
(2)	.78	.75	.42	.59	.47	.47	.47	.50	.47	.70	1.03	.89	.95	.75	.53	.64	.00	10.44
3.1- 4.0	24	28	20	14	25	21	25	27	18	42	35	36	26	21	26	20	0	408
(1)	.67	.78	.56	.39	.70	.59	.70	.75	.50	1.17	.98	1.00	.73	.59	.73	.56	.00	11.39
(2)	.67	.78	.56	.39	.70	.59	.70	.75	.50	1.17	.98	1.00	.73	.59	.73	.56	.00	11.39
4.1- 5.0	22	14	26	8	11	25	41	44	53	32	28	59	38	20	13	15	0	449
(1)	.61	.39	.73	.22	.31	.70	1.14	1.23	1.48	.89	.78	1.65	1.06	.56	.36	.42	.00	12.53
(2)	.61	.39	.73	.22	.31	.70	1.14	1.23	1.48	.89	.78	1.65	1.06	.56	.36	.42	.00	12.53
5.1- 6.0	40	16	20	6	5	26	76	79	63	45	50	40	36	8	17	19	0	546
(1)	1.12	.45	.56	.17	.14	.73	2.12	2.20	1.76	1.26	1.40	1.12	1.00	.22	.47	.53	.00	15.24
(2)	1.12	.45	.56	.17	.14	.73	2.12	2.20	1.76	1.26	1.40	1.12	1.00	.22	.47	.53	.00	15.24
6.1- 8.0	34	43	24	3	3	23	116	201	153	84	64	77	55	21	20	21	0	942
(1)	.95	1.20	.67	.08	.08	.64	3.24	5.61	4.27	2.34	1.79	2.15	1.54	.59	.56	.59	.00	26.29
(2)	.95	1.20	.67	.08	.08	.64	3.24	5.61	4.27	2.34	1.79	2.15	1.54	.59	.56	.59	.00	26.29
8.1-10.0	20	50	15	0	2	5	36	58	66	11	6	27	36	22	15	15	0	384
(1)	.56	1.40	.42	.00	.06	.14	1.00	1.62	1.84	.31	.17	.75	1.00	.61	.42	.42	.00	10.72
(2)	.56	1.40	.42	.00	.06	.14	1.00	1.62	1.84	.31	.17	.75	1.00	.61	.42	.42	.00	10.72
10.1-40.3	26	38	1	0	1	9	14	20	5	0	2	16	44	36	20	20	0	252
(1)	.73	1.06	.03	.00	.03	.25	.39	.56	.14	.00	.06	.45	1.23	1.00	.56	.56	.00	7.03
(2)	.73	1.06	.03	.00	.03	.25	.39	.56	.14	.00	.06	.45	1.23	1.00	.56	.56	.00	7.03
ALL SPEEDS	211	231	141	69	83	143	336	461	388	248	237	301	275	169	145	145	0	3583
(1)	5.89	6.45	3.94	1.93	2.32	3.99	9.38	12.87	10.83	6.92	6.61	8.40	7.68	4.72	4.05	4.05	.00	100.00
(2)	5.89	6.45	3.94	1.93	2.32	3.99	9.38	12.87	10.83	6.92	6.61	8.40	7.68	4.72	4.05	4.05	.00	100.00

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Table 2.3-72—{NMPNS 200 ft (61-m) 2001-2005 October JFD}

(Page 1 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 8.16

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.67	.00	.00	.00	.67
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.05
1.6- 2.0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	0	5
(1)	.34	.00	.00	.00	.00	.00	.00	.00	.00	.34	.00	.00	.00	.00	.34	.67	.00	1.68
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03	.05	.00	.14
2.1- 3.0	3	4	0	0	0	0	1	0	0	1	0	0	1	2	0	4	0	16
(1)	1.01	1.35	.00	.00	.00	.00	.34	.00	.00	.34	.00	.00	.34	.67	.00	1.35	.00	5.39
(2)	.08	.11	.00	.00	.00	.00	.03	.00	.00	.03	.00	.00	.03	.05	.00	.11	.00	.44
3.1- 4.0	6	5	1	0	0	0	2	0	0	1	0	1	0	4	1	2	0	23
(1)	2.02	1.68	.34	.00	.00	.00	.67	.00	.00	.34	.00	.34	.00	1.35	.34	.67	.00	7.74
(2)	.16	.14	.03	.00	.00	.00	.05	.00	.00	.03	.00	.03	.00	.11	.03	.05	.00	.63
4.1- 5.0	0	4	3	0	0	4	2	1	1	0	0	5	1	3	2	3	0	29
(1)	.00	1.35	1.01	.00	.00	1.35	.67	.34	.34	.00	.00	1.68	.34	1.01	.67	1.01	.00	9.76
(2)	.00	.11	.08	.00	.00	.11	.05	.03	.03	.00	.00	.14	.03	.08	.05	.08	.00	.80
5.1- 6.0	2	5	0	1	0	2	5	1	1	0	1	2	2	7	7	3	0	39
(1)	.67	1.68	.00	.34	.00	.67	1.68	.34	.34	.00	.34	.67	.67	2.36	2.36	1.01	.00	13.13
(2)	.05	.14	.00	.03	.00	.05	.14	.03	.03	.00	.03	.05	.05	.19	.19	.08	.00	1.07
6.1- 8.0	3	5	4	3	2	3	4	0	0	0	0	2	1	2	3	5	0	37
(1)	1.01	1.68	1.35	1.01	.67	1.01	1.35	.00	.00	.00	.00	.67	.34	.67	1.01	1.68	.00	12.46
(2)	.08	.14	.11	.08	.05	.08	.11	.00	.00	.00	.00	.05	.03	.05	.08	.14	.00	1.02
8.1-10.0	2	4	2	0	0	0	2	0	0	0	0	2	1	2	4	10	0	29
(1)	.67	1.35	.67	.00	.00	.00	.67	.00	.00	.00	.00	.67	.34	.67	1.35	3.37	.00	9.76
(2)	.05	.11	.05	.00	.00	.00	.05	.00	.00	.00	.00	.05	.03	.05	.11	.27	.00	.80
10.1-40.3	10	17	3	0	0	0	0	0	0	0	0	4	18	27	24	14	0	117
(1)	3.37	5.72	1.01	.00	.00	.00	.00	.00	.00	.00	.00	1.35	6.06	9.09	8.08	4.71	.00	39.39
(2)	.27	.47	.08	.00	.00	.00	.00	.00	.00	.00	.00	.11	.49	.74	.66	.38	.00	3.21
ALL SPEEDS	27	44	13	4	2	9	16	2	2	3	1	16	24	49	42	43	0	297
(1)	9.09	14.81	4.38	1.35	.67	3.03	5.39	.67	.67	1.01	.34	5.39	8.08	16.50	14.14	14.48	.00	100.00
(2)	.74	1.21	.36	.11	.05	.25	.44	.05	.05	.08	.03	.44	.66	1.35	1.15	1.18	.00	8.16

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Table 2.3-72—{NMPNS 200 ft (61-m) 2001-2005 October JFD}

(Page 2 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 6.89

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.40	.00	.80
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.05
1.6- 2.0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4
(1)	.40	.40	.40	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00	.00	.00	.00	1.59
(2)	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.11
2.1- 3.0	1	3	1	0	0	0	1	3	0	0	2	0	1	1	0	2	0	15
(1)	.40	1.20	.40	.00	.00	.00	.40	1.20	.00	.00	.80	.00	.40	.40	.00	.80	.00	5.98
(2)	.03	.08	.03	.00	.00	.00	.03	.08	.00	.00	.05	.00	.03	.03	.00	.05	.00	.41
3.1- 4.0	1	1	1	0	0	0	1	1	1	0	1	0	1	1	0	1	0	10
(1)	.40	.40	.40	.00	.00	.00	.40	.40	.40	.00	.40	.00	.40	.40	.00	.40	.00	3.98
(2)	.03	.03	.03	.00	.00	.00	.03	.03	.03	.00	.03	.00	.03	.03	.00	.03	.00	.27
4.1- 5.0	1	1	0	0	0	0	1	0	1	1	0	3	3	3	0	2	0	16
(1)	.40	.40	.00	.00	.00	.00	.40	.00	.40	.40	.00	1.20	1.20	1.20	.00	.80	.00	6.37
(2)	.03	.03	.00	.00	.00	.00	.03	.00	.03	.03	.00	.08	.08	.08	.00	.05	.00	.44
5.1- 6.0	4	1	1	0	1	1	1	0	4	1	0	4	3	1	4	0	0	26
(1)	1.59	.40	.40	.00	.40	.40	.40	.00	1.59	.40	.00	1.59	1.20	.40	1.59	.00	.00	10.36
(2)	.11	.03	.03	.00	.03	.03	.03	.00	.11	.03	.00	.11	.08	.03	.11	.00	.00	.71
6.1- 8.0	1	2	2	0	1	1	4	4	5	1	1	2	7	3	7	8	0	49
(1)	.40	.80	.80	.00	.40	.40	1.59	1.59	1.99	.40	.40	.80	2.79	1.20	2.79	3.19	.00	19.52
(2)	.03	.05	.05	.00	.03	.03	.11	.11	.14	.03	.03	.05	.19	.08	.19	.22	.00	1.35
8.1-10.0	2	3	0	0	0	0	3	0	0	0	2	6	3	7	15	6	0	47
(1)	.80	1.20	.00	.00	.00	.00	1.20	.00	.00	.00	.80	2.39	1.20	2.79	5.98	2.39	.00	18.73
(2)	.05	.08	.00	.00	.00	.00	.08	.00	.00	.00	.05	.16	.08	.19	.41	.16	.00	1.29
10.1-40.3	3	7	0	0	0	0	0	1	0	0	0	3	25	13	25	5	0	82
(1)	1.20	2.79	.00	.00	.00	.00	.00	.40	.00	.00	.00	1.20	9.96	5.18	9.96	1.99	.00	32.67
(2)	.08	.19	.00	.00	.00	.00	.00	.03	.00	.00	.00	.08	.69	.36	.69	.14	.00	2.25
ALL SPEEDS	14	19	6	0	2	2	11	9	11	3	6	19	43	29	52	25	0	251
(1)	5.58	7.57	2.39	.00	.80	.80	4.38	3.59	4.38	1.20	2.39	7.57	17.13	11.55	20.72	9.96	.00	100.00
(2)	.38	.52	.16	.00	.05	.05	.30	.25	.30	.08	.16	.52	1.18	.80	1.43	.69	.00	6.89

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Table 2.3-72—{NMPNS 200 ft (61-m) 2001-2005 October JFD}

(Page 3 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 8.68

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.32	.00	.00	.00	.00	.00	.32	.00	.00	.00	.00	.00	.00	.00	.00	.63
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.05
2.1- 3.0	1	1	1	0	1	2	2	1	1	1	0	0	1	1	0	0	0	13
(1)	.32	.32	.32	.00	.32	.63	.63	.32	.32	.32	.00	.00	.32	.32	.00	.00	.00	4.11
(2)	.03	.03	.03	.00	.03	.05	.05	.03	.03	.03	.00	.00	.03	.03	.00	.00	.00	.36
3.1- 4.0	2	2	1	1	0	0	0	0	5	0	1	1	1	1	0	1	0	16
(1)	.63	.63	.32	.32	.00	.00	.00	.00	1.58	.00	.32	.32	.32	.32	.00	.32	.00	5.06
(2)	.05	.05	.03	.03	.00	.00	.00	.00	.14	.00	.03	.03	.03	.03	.00	.03	.00	.44
4.1- 5.0	0	5	1	0	0	3	3	1	6	3	0	2	3	5	1	1	0	34
(1)	.00	1.58	.32	.00	.00	.95	.95	.32	1.90	.95	.00	.63	.95	1.58	.32	.32	.00	10.76
(2)	.00	.14	.03	.00	.00	.08	.08	.03	.16	.08	.00	.05	.08	.14	.03	.03	.00	.93
5.1- 6.0	2	0	3	0	0	3	4	4	9	0	0	0	4	1	1	1	0	32
(1)	.63	.00	.95	.00	.00	.95	1.27	1.27	2.85	.00	.00	.00	1.27	.32	.32	.32	.00	10.13
(2)	.05	.00	.08	.00	.00	.08	.11	.11	.25	.00	.00	.00	.11	.03	.03	.03	.00	.88
6.1- 8.0	7	6	5	0	0	4	5	3	5	2	1	4	6	2	6	7	0	63
(1)	2.22	1.90	1.58	.00	.00	1.27	1.58	.95	1.58	.63	.32	1.27	1.90	.63	1.90	2.22	.00	19.94
(2)	.19	.16	.14	.00	.00	.11	.14	.08	.14	.05	.03	.11	.16	.05	.16	.19	.00	1.73
8.1-10.0	11	1	0	0	0	0	7	2	1	0	0	2	10	7	12	9	0	62
(1)	3.48	.32	.00	.00	.00	.00	2.22	.63	.32	.00	.00	.63	3.16	2.22	3.80	2.85	.00	19.62
(2)	.30	.03	.00	.00	.00	.00	.19	.05	.03	.00	.00	.05	.27	.19	.33	.25	.00	1.70
10.1-40.3	3	17	1	0	0	0	0	2	0	0	0	5	26	22	14	4	0	94
(1)	.95	5.38	.32	.00	.00	.00	.00	.63	.00	.00	.00	1.58	8.23	6.96	4.43	1.27	.00	29.75
(2)	.08	.47	.03	.00	.00	.00	.00	.05	.00	.00	.00	.14	.71	.60	.38	.11	.00	2.58
ALL SPEEDS	26	32	13	1	1	12	21	13	28	6	2	14	51	39	34	23	0	316
(1)	8.23	10.13	4.11	.32	.32	3.80	6.65	4.11	8.86	1.90	.63	4.43	16.14	12.34	10.76	7.28	.00	100.00
(2)	.71	.88	.36	.03	.03	.33	.58	.36	.77	.16	.05	.38	1.40	1.07	.93	.63	.00	8.68

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Table 2.3-72—{NMPNS 200 ft (61-m) 2001-2005 October JFD}

(Page 4 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 40.76

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	1	0	1	0	0	0	0	2	1	0	0	0	0	5
(1)	.00	.00	.00	.00	.07	.00	.07	.00	.00	.00	.00	.13	.07	.00	.00	.00	.00	.34
(2)	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.05	.03	.00	.00	.00	.00	.14
1.1- 1.5	0	3	2	2	1	3	0	0	0	1	0	0	0	1	2	1	0	16
(1)	.00	.20	.13	.13	.07	.20	.00	.00	.00	.07	.00	.00	.00	.07	.13	.07	.00	1.08
(2)	.00	.08	.05	.05	.03	.08	.00	.00	.00	.03	.00	.00	.00	.03	.05	.03	.00	.44
1.6- 2.0	0	6	6	3	0	6	3	3	1	1	1	0	2	2	3	4	0	41
(1)	.00	.40	.40	.20	.00	.40	.20	.20	.07	.07	.07	.00	.13	.13	.20	.27	.00	2.76
(2)	.00	.16	.16	.08	.00	.16	.08	.08	.03	.03	.03	.00	.05	.05	.08	.11	.00	1.13
2.1- 3.0	8	10	18	9	4	13	14	10	5	2	0	3	4	3	2	7	0	112
(1)	.54	.67	1.21	.61	.27	.88	.94	.67	.34	.13	.00	.20	.27	.20	.13	.47	.00	7.55
(2)	.22	.27	.49	.25	.11	.36	.38	.27	.14	.05	.00	.08	.11	.08	.05	.19	.00	3.08
3.1- 4.0	8	8	14	4	2	8	13	4	8	5	2	6	3	3	4	4	0	96
(1)	.54	.54	.94	.27	.13	.54	.88	.27	.54	.34	.13	.40	.20	.20	.27	.27	.00	6.47
(2)	.22	.22	.38	.11	.05	.22	.36	.11	.22	.14	.05	.16	.08	.08	.11	.11	.00	2.64
4.1- 5.0	11	12	16	11	3	12	9	7	6	15	5	5	10	1	17	7	0	147
(1)	.74	.81	1.08	.74	.20	.81	.61	.47	.40	1.01	.34	.34	.67	.07	1.15	.47	.00	9.91
(2)	.30	.33	.44	.30	.08	.33	.25	.19	.16	.41	.14	.14	.27	.03	.47	.19	.00	4.04
5.1- 6.0	9	12	24	4	4	45	37	7	27	14	6	9	7	8	5	8	0	226
(1)	.61	.81	1.62	.27	.27	3.03	2.49	.47	1.82	.94	.40	.61	.47	.54	.34	.54	.00	15.23
(2)	.25	.33	.66	.11	.11	1.24	1.02	.19	.74	.38	.16	.25	.19	.22	.14	.22	.00	6.21
6.1- 8.0	13	24	26	3	0	44	87	15	44	26	20	17	24	23	22	8	0	396
(1)	.88	1.62	1.75	.20	.00	2.96	5.86	1.01	2.96	1.75	1.35	1.15	1.62	1.55	1.48	.54	.00	26.68
(2)	.36	.66	.71	.08	.00	1.21	2.39	.41	1.21	.71	.55	.47	.66	.63	.60	.22	.00	10.88
8.1-10.0	8	25	5	0	0	9	24	15	17	10	16	14	24	18	12	6	0	203
(1)	.54	1.68	.34	.00	.00	.61	1.62	1.01	1.15	.67	1.08	.94	1.62	1.21	.81	.40	.00	13.68
(2)	.22	.69	.14	.00	.00	.25	.66	.41	.47	.27	.44	.38	.66	.49	.33	.16	.00	5.58
10.1-40.3	0	15	7	0	0	1	8	28	2	2	4	27	62	61	22	3	0	242
(1)	.00	1.01	.47	.00	.00	.07	.54	1.89	.13	.13	.27	1.82	4.18	4.11	1.48	.20	.00	16.31
(2)	.00	.41	.19	.00	.00	.03	.22	.77	.05	.05	.11	.74	1.70	1.68	.60	.08	.00	6.65
ALL SPEEDS	57	115	118	36	15	141	196	89	110	76	54	83	137	120	89	48	0	1484
(1)	3.84	7.75	7.95	2.43	1.01	9.50	13.21	6.00	7.41	5.12	3.64	5.59	9.23	8.09	6.00	3.23	.00	100.00
(2)	1.57	3.16	3.24	.99	.41	3.87	5.38	2.44	3.02	2.09	1.48	2.28	3.76	3.30	2.44	1.32	.00	40.76

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Table 2.3-72—{NMPNS 200 ft (61-m) 2001-2005 October JFD}

(Page 5 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 24.44

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.11	.11	.00	.00	.00	.00	.00	.34
(2)	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.08
1.1- 1.5	1	3	2	3	1	1	2	0	1	1	1	2	1	0	0	2	0	21
(1)	.11	.34	.22	.34	.11	.11	.22	.00	.11	.11	.11	.22	.11	.00	.00	.22	.00	2.36
(2)	.03	.08	.05	.08	.03	.03	.05	.00	.03	.03	.03	.05	.03	.00	.00	.05	.00	.58
1.6- 2.0	1	1	3	4	1	1	0	0	1	0	1	1	2	0	0	0	0	16
(1)	.11	.11	.34	.45	.11	.11	.00	.00	.11	.00	.11	.11	.22	.00	.00	.00	.00	1.80
(2)	.03	.03	.08	.11	.03	.03	.00	.00	.03	.00	.03	.03	.05	.00	.00	.00	.00	.44
2.1- 3.0	1	2	6	10	3	3	2	3	0	3	5	3	3	2	2	3	0	51
(1)	.11	.22	.67	1.12	.34	.34	.22	.34	.00	.34	.56	.34	.34	.22	.22	.34	.00	5.73
(2)	.03	.05	.16	.27	.08	.08	.05	.08	.00	.08	.14	.08	.08	.05	.05	.08	.00	1.40
3.1- 4.0	2	0	1	6	5	6	11	7	3	3	5	2	4	0	3	1	0	59
(1)	.22	.00	.11	.67	.56	.67	1.24	.79	.34	.34	.56	.22	.45	.00	.34	.11	.00	6.63
(2)	.05	.00	.03	.16	.14	.16	.30	.19	.08	.08	.14	.05	.11	.00	.08	.03	.00	1.62
4.1- 5.0	0	1	2	3	2	7	15	7	9	5	4	6	3	2	1	0	0	67
(1)	.00	.11	.22	.34	.22	.79	1.69	.79	1.01	.56	.45	.67	.34	.22	.11	.00	.00	7.53
(2)	.00	.03	.05	.08	.05	.19	.41	.19	.25	.14	.11	.16	.08	.05	.03	.00	.00	1.84
5.1- 6.0	0	0	2	0	2	8	24	9	25	20	18	8	6	0	0	0	0	122
(1)	.00	.00	.22	.00	.22	.90	2.70	1.01	2.81	2.25	2.02	.90	.67	.00	.00	.00	.00	13.71
(2)	.00	.00	.05	.00	.05	.22	.66	.25	.69	.55	.49	.22	.16	.00	.00	.00	.00	3.35
6.1- 8.0	0	0	1	0	0	5	67	66	52	51	19	20	5	7	1	0	0	294
(1)	.00	.00	.11	.00	.00	.56	7.53	7.42	5.84	5.73	2.13	2.25	.56	.79	.11	.00	.00	33.03
(2)	.00	.00	.03	.00	.00	.14	1.84	1.81	1.43	1.40	.52	.55	.14	.19	.03	.00	.00	8.07
8.1-10.0	0	3	0	0	0	0	26	58	68	17	4	10	3	6	1	0	0	196
(1)	.00	.34	.00	.00	.00	.00	2.92	6.52	7.64	1.91	.45	1.12	.34	.67	.11	.00	.00	22.02
(2)	.00	.08	.00	.00	.00	.00	.71	1.59	1.87	.47	.11	.27	.08	.16	.03	.00	.00	5.38
10.1-40.3	0	0	0	0	0	0	5	9	0	0	2	16	20	8	1	0	0	61
(1)	.00	.00	.00	.00	.00	.00	.56	1.01	.00	.00	.22	1.80	2.25	.90	.11	.00	.00	6.85
(2)	.00	.00	.00	.00	.00	.00	.14	.25	.00	.00	.05	.44	.55	.22	.03	.00	.00	1.68
ALL SPEEDS	5	10	17	26	14	31	153	159	159	100	60	69	47	25	9	6	0	890
(1)	.56	1.12	1.91	2.92	1.57	3.48	17.19	17.87	17.87	11.24	6.74	7.75	5.28	2.81	1.01	.67	.00	100.00
(2)	.14	.27	.47	.71	.38	.85	4.20	4.37	4.37	2.75	1.65	1.90	1.29	.69	.25	.16	.00	24.44

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Table 2.3-72—{NMPNS 200 ft (61-m) 2001-2005 October JFD}

(Page 6 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 6.89

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.40	.40	.00	.00	.00	.40	.00	.00	.00	.00	1.20
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.03	.00	.00	.00	.00	.08
1.1- 1.5	0	1	0	3	0	0	0	0	0	0	1	1	2	0	1	1	0	10
(1)	.00	.40	.00	1.20	.00	.00	.00	.00	.00	.00	.40	.40	.80	.00	.40	.40	.00	3.98
(2)	.00	.03	.00	.08	.00	.00	.00	.00	.00	.00	.03	.03	.05	.00	.03	.03	.00	.27
1.6- 2.0	0	0	0	0	0	0	1	1	0	0	1	0	0	2	1	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.40	.40	.00	.00	.40	.00	.00	.80	.40	.00	.00	2.39
(2)	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.03	.00	.00	.05	.03	.00	.00	.16
2.1- 3.0	1	0	2	3	6	2	2	0	1	2	2	0	3	0	1	0	0	25
(1)	.40	.00	.80	1.20	2.39	.80	.80	.00	.40	.80	.80	.00	1.20	.00	.40	.00	.00	9.96
(2)	.03	.00	.05	.08	.16	.05	.05	.00	.03	.05	.05	.00	.08	.00	.03	.00	.00	.69
3.1- 4.0	0	0	1	3	4	3	2	2	0	1	4	1	2	0	0	0	0	23
(1)	.00	.00	.40	1.20	1.59	1.20	.80	.80	.00	.40	1.59	.40	.80	.00	.00	.00	.00	9.16
(2)	.00	.00	.03	.08	.11	.08	.05	.05	.00	.03	.11	.03	.05	.00	.00	.00	.00	.63
4.1- 5.0	0	0	0	0	0	6	6	3	4	4	5	1	1	0	0	0	0	30
(1)	.00	.00	.00	.00	.00	2.39	2.39	1.20	1.59	1.59	1.99	.40	.40	.00	.00	.00	.00	11.95
(2)	.00	.00	.00	.00	.00	.16	.16	.08	.11	.11	.14	.03	.03	.00	.00	.00	.00	.82
5.1- 6.0	0	0	0	0	0	4	4	2	2	6	8	1	1	0	0	0	0	28
(1)	.00	.00	.00	.00	.00	1.59	1.59	.80	.80	2.39	3.19	.40	.40	.00	.00	.00	.00	11.16
(2)	.00	.00	.00	.00	.00	.11	.11	.05	.05	.16	.22	.03	.03	.00	.00	.00	.00	.77
6.1- 8.0	0	0	0	0	0	1	24	19	16	22	12	3	1	0	0	0	0	98
(1)	.00	.00	.00	.00	.00	.40	9.56	7.57	6.37	8.76	4.78	1.20	.40	.00	.00	.00	.00	39.04
(2)	.00	.00	.00	.00	.00	.03	.66	.52	.44	.60	.33	.08	.03	.00	.00	.00	.00	2.69
8.1-10.0	0	0	0	0	0	0	7	7	7	2	0	0	0	0	0	0	0	23
(1)	.00	.00	.00	.00	.00	.00	2.79	2.79	2.79	.80	.00	.00	.00	.00	.00	.00	.00	9.16
(2)	.00	.00	.00	.00	.00	.00	.19	.19	.19	.05	.00	.00	.00	.00	.00	.00	.00	.63
10.1-40.3	0	0	0	0	0	0	0	0	0	0	1	0	3	1	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	1.20	.40	.00	.00	.00	1.99
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.08	.03	.00	.00	.00	.14
ALL SPEEDS	1	1	3	9	10	16	46	35	31	37	34	7	14	3	3	1	0	251
(1)	.40	.40	1.20	3.59	3.98	6.37	18.33	13.94	12.35	14.74	13.55	2.79	5.58	1.20	1.20	.40	.00	100.00
(2)	.03	.03	.08	.25	.27	.44	1.26	.96	.85	1.02	.93	.19	.38	.08	.08	.03	.00	6.89

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Table 2.3-72—{NMPNS 200 ft (61-m) 2001-2005 October JFD}

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NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 4.17

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.66	.00	.00	.00	.00	.00	.00	.00	.66
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03
.3- .4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.66	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.66
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.66	.00	.00	.00	.00	.00	.00	.00	.00	.00	.66
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	0	1	0	0	0	0	1	1	1	0	1	0	0	0	0	0	5
(1)	.00	.00	.66	.00	.00	.00	.00	.66	.66	.66	.00	.66	.00	.00	.00	.00	.00	3.29
(2)	.00	.00	.03	.00	.00	.00	.00	.03	.03	.03	.00	.03	.00	.00	.00	.00	.00	.14
1.6- 2.0	0	1	2	0	0	1	1	0	1	0	1	0	2	0	0	0	0	9
(1)	.00	.66	1.32	.00	.00	.66	.66	.00	.66	.00	.66	.00	1.32	.00	.00	.00	.00	5.92
(2)	.00	.03	.05	.00	.00	.03	.03	.00	.03	.00	.03	.00	.05	.00	.00	.00	.00	.25
2.1- 3.0	0	0	1	3	1	2	0	3	0	2	3	1	0	0	0	0	0	16
(1)	.00	.00	.66	1.97	.66	1.32	.00	1.97	.00	1.32	1.97	.66	.00	.00	.00	.00	.00	10.53
(2)	.00	.00	.03	.08	.03	.05	.00	.08	.00	.05	.08	.03	.00	.00	.00	.00	.00	.44
3.1- 4.0	0	0	0	4	1	1	3	2	2	1	4	2	2	0	0	0	0	22
(1)	.00	.00	.00	2.63	.66	.66	1.97	1.32	1.32	.66	2.63	1.32	1.32	.00	.00	.00	.00	14.47
(2)	.00	.00	.00	.11	.03	.03	.08	.05	.05	.03	.11	.05	.05	.00	.00	.00	.00	.60
4.1- 5.0	0	0	0	3	0	3	2	1	5	2	8	2	1	0	0	0	0	27
(1)	.00	.00	.00	1.97	.00	1.97	1.32	.66	3.29	1.32	5.26	1.32	.66	.00	.00	.00	.00	17.76
(2)	.00	.00	.00	.08	.00	.08	.05	.03	.14	.05	.22	.05	.03	.00	.00	.00	.00	.74
5.1- 6.0	0	0	0	0	0	3	4	5	3	1	4	1	0	0	0	0	0	21
(1)	.00	.00	.00	.00	.00	1.97	2.63	3.29	1.97	.66	2.63	.66	.00	.00	.00	.00	.00	13.82
(2)	.00	.00	.00	.00	.00	.08	.11	.14	.08	.03	.11	.03	.00	.00	.00	.00	.00	.58
6.1- 8.0	0	0	0	0	0	1	7	12	15	6	5	0	0	0	0	0	0	46
(1)	.00	.00	.00	.00	.00	.66	4.61	7.89	9.87	3.95	3.29	.00	.00	.00	.00	.00	.00	30.26
(2)	.00	.00	.00	.00	.00	.03	.19	.33	.41	.16	.14	.00	.00	.00	.00	.00	.00	1.26
8.1-10.0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	1.32	.66	.00	.00	.00	.00	.00	.00	.00	.00	1.97
(2)	.00	.00	.00	.00	.00	.00	.00	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.08
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	1	4	11	2	11	17	27	28	14	25	7	5	0	0	0	0	152
(1)	.00	.66	2.63	7.24	1.32	7.24	11.18	17.76	18.42	9.21	16.45	4.61	3.29	.00	.00	.00	.00	100.00
(2)	.00	.03	.11	.30	.05	.30	.47	.74	.77	.38	.69	.19	.14	.00	.00	.00	.00	4.17

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Table 2.3-72—{NMPNS 200 ft (61-m) 2001-2005 October JFD}

(Page 8 of 8)

NMP OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03
.3- .4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
.5- 1.0	0	0	0	0	1	0	2	2	1	0	1	3	2	0	0	0	0	12
(1)	.00	.00	.00	.00	.03	.00	.05	.05	.03	.00	.03	.08	.05	.00	.00	.00	.00	.33
(2)	.00	.00	.00	.00	.03	.00	.05	.05	.03	.00	.03	.08	.05	.00	.00	.00	.00	.33
1.1- 1.5	1	7	5	8	2	4	2	1	2	3	2	4	3	3	4	5	0	56
(1)	.03	.19	.14	.22	.05	.11	.05	.03	.05	.08	.05	.11	.08	.08	.11	.14	.00	1.54
(2)	.03	.19	.14	.22	.05	.11	.05	.03	.05	.08	.05	.11	.08	.08	.11	.14	.00	1.54
1.6- 2.0	3	9	13	7	1	8	5	4	4	2	4	2	6	4	5	6	0	83
(1)	.08	.25	.36	.19	.03	.22	.14	.11	.11	.05	.11	.05	.16	.11	.14	.16	.00	2.28
(2)	.08	.25	.36	.19	.03	.22	.14	.11	.11	.05	.11	.05	.16	.11	.14	.16	.00	2.28
2.1- 3.0	15	20	29	25	15	22	22	20	7	11	12	7	13	9	5	16	0	248
(1)	.41	.55	.80	.69	.41	.60	.60	.55	.19	.30	.33	.19	.36	.25	.14	.44	.00	6.81
(2)	.41	.55	.80	.69	.41	.60	.60	.55	.19	.30	.33	.19	.36	.25	.14	.44	.00	6.81
3.1- 4.0	19	16	19	18	12	18	32	16	19	11	17	13	13	9	8	9	0	249
(1)	.52	.44	.52	.49	.33	.49	.88	.44	.52	.30	.47	.36	.36	.25	.22	.25	.00	6.84
(2)	.52	.44	.52	.49	.33	.49	.88	.44	.52	.30	.47	.36	.36	.25	.22	.25	.00	6.84
4.1- 5.0	12	23	22	17	5	35	38	20	32	30	22	24	22	14	21	13	0	350
(1)	.33	.63	.60	.47	.14	.96	1.04	.55	.88	.82	.60	.66	.60	.38	.58	.36	.00	9.61
(2)	.33	.63	.60	.47	.14	.96	1.04	.55	.88	.82	.60	.66	.60	.38	.58	.36	.00	9.61
5.1- 6.0	17	18	30	5	7	66	79	28	71	42	37	25	23	17	17	12	0	494
(1)	.47	.49	.82	.14	.19	1.81	2.17	.77	1.95	1.15	1.02	.69	.63	.47	.47	.33	.00	13.57
(2)	.47	.49	.82	.14	.19	1.81	2.17	.77	1.95	1.15	1.02	.69	.63	.47	.47	.33	.00	13.57
6.1- 8.0	24	37	38	6	3	59	198	119	137	108	58	48	44	37	39	28	0	983
(1)	.66	1.02	1.04	.16	.08	1.62	5.44	3.27	3.76	2.97	1.59	1.32	1.21	1.02	1.07	.77	.00	27.00
(2)	.66	1.02	1.04	.16	.08	1.62	5.44	3.27	3.76	2.97	1.59	1.32	1.21	1.02	1.07	.77	.00	27.00
8.1-10.0	23	36	7	0	0	9	69	84	94	29	22	34	41	40	44	31	0	563
(1)	.63	.99	.19	.00	.00	.25	1.90	2.31	2.58	.80	.60	.93	1.13	1.10	1.21	.85	.00	15.46
(2)	.63	.99	.19	.00	.00	.25	1.90	2.31	2.58	.80	.60	.93	1.13	1.10	1.21	.85	.00	15.46
10.1-40.3	16	56	11	0	0	1	13	40	2	2	7	55	154	132	86	26	0	601
(1)	.44	1.54	.30	.00	.00	.03	.36	1.10	.05	.05	.19	1.51	4.23	3.63	2.36	.71	.00	16.51
(2)	.44	1.54	.30	.00	.00	.03	.36	1.10	.05	.05	.19	1.51	4.23	3.63	2.36	.71	.00	16.51
ALL SPEEDS	130	222	174	87	46	222	460	334	369	239	182	215	321	265	229	146	0	3641
(1)	3.57	6.10	4.78	2.39	1.26	6.10	12.63	9.17	10.13	6.56	5.00	5.90	8.82	7.28	6.29	4.01	.00	100.00
(2)	3.57	6.10	4.78	2.39	1.26	6.10	12.63	9.17	10.13	6.56	5.00	5.90	8.82	7.28	6.29	4.01	.00	100.00

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Table 2.3-73—{NMPNS 200 ft (61-m) 2001-2005 November JFD}

(Page 1 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 7.14

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	5
(1)	.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.79	.00	1.98
(2)	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.06	.00	.14
3.1- 4.0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	.79	.00	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.19
(2)	.06	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
4.1- 5.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3
(1)	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.79	.00	.00	1.19
(2)	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.08
5.1- 6.0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3
(1)	.40	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00	1.19
(2)	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.08
6.1- 8.0	7	2	0	0	0	1	1	0	0	0	0	1	0	0	7	4	0	23
(1)	2.77	.79	.00	.00	.00	.40	.40	.00	.00	.00	.00	.40	.00	.00	2.77	1.58	.00	9.09
(2)	.20	.06	.00	.00	.00	.03	.03	.00	.00	.00	.00	.03	.00	.00	.20	.11	.00	.65
8.1-10.0	6	1	0	0	0	0	0	0	0	0	0	2	4	2	5	5	0	25
(1)	2.37	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.79	1.58	.79	1.98	1.98	.00	9.88
(2)	.17	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.11	.06	.14	.14	.00	.71
10.1-40.3	20	4	0	0	0	0	1	0	0	0	0	14	18	62	58	14	0	191
(1)	7.91	1.58	.00	.00	.00	.00	.40	.00	.00	.00	.00	5.53	7.11	24.51	22.92	5.53	.00	75.49
(2)	.56	.11	.00	.00	.00	.00	.03	.00	.00	.00	.00	.40	.51	1.75	1.64	.40	.00	5.39
ALL SPEEDS	39	8	1	0	0	1	2	0	0	0	0	17	22	64	74	25	0	253
(1)	15.42	3.16	.40	.00	.00	.40	.79	.00	.00	.00	.00	6.72	8.70	25.30	29.25	9.88	.00	100.00
(2)	1.10	.23	.03	.00	.00	.03	.06	.00	.00	.00	.00	.48	.62	1.81	2.09	.71	.00	7.14

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Table 2.3-73—{NMPNS 200 ft (61-m) 2001-2005 November JFD}

(Page 2 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 5.39

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	.00	.00	1.05	.00	.00	1.57
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.06	.00	.00	.08
3.1- 4.0	0	2	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	5
(1)	.00	1.05	.00	.00	.00	.52	.00	.00	.00	.00	.00	.00	.00	.52	.00	.52	.00	2.62
(2)	.00	.06	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.14
4.1- 5.0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	2	4	0	10
(1)	.00	.00	.00	.00	.52	.52	.00	.00	.00	.00	.00	.00	.00	1.05	1.05	2.09	.00	5.24
(2)	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.06	.06	.11	.00	.28
5.1- 6.0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	4	5	0	13
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.05	.00	.00	.00	1.05	2.09	2.62	.00	6.81
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.06	.11	.14	.00	.37
6.1- 8.0	4	2	0	0	0	0	0	1	0	2	0	1	1	6	6	7	0	30
(1)	2.09	1.05	.00	.00	.00	.00	.00	.52	.00	1.05	.00	.52	.52	3.14	3.14	3.66	.00	15.71
(2)	.11	.06	.00	.00	.00	.00	.00	.03	.00	.06	.00	.03	.03	.17	.17	.20	.00	.85
8.1-10.0	2	3	0	0	0	0	1	0	0	0	0	1	2	3	11	6	0	29
(1)	1.05	1.57	.00	.00	.00	.00	.52	.00	.00	.00	.00	.52	1.05	1.57	5.76	3.14	.00	15.18
(2)	.06	.08	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03	.06	.08	.31	.17	.00	.82
10.1-40.3	3	2	1	0	0	1	2	0	0	0	0	17	6	18	32	19	0	101
(1)	1.57	1.05	.52	.00	.00	.52	1.05	.00	.00	.00	.00	8.90	3.14	9.42	16.75	9.95	.00	52.88
(2)	.08	.06	.03	.00	.00	.03	.06	.00	.00	.00	.00	.48	.17	.51	.90	.54	.00	2.85
ALL SPEEDS	9	9	1	0	1	3	3	1	0	4	0	20	9	32	57	42	0	191
(1)	4.71	4.71	.52	.00	.52	1.57	1.57	.52	.00	2.09	.00	10.47	4.71	16.75	29.84	21.99	.00	100.00
(2)	.25	.25	.03	.00	.03	.08	.08	.03	.00	.11	.00	.56	.25	.90	1.61	1.19	.00	5.39

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Table 2.3-73—{NMPNS 200 ft (61-m) 2001-2005 November JFD}

(Page 3 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.11

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	4	0	0	8
(1)	.00	.00	.40	.40	.40	.00	.00	.00	.00	.00	.00	.00	.40	.00	1.59	.00	.00	3.17
(2)	.00	.00	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.03	.00	.11	.00	.00	.23
3.1- 4.0	0	0	0	1	0	1	1	0	3	1	0	0	2	1	0	1	0	11
(1)	.00	.00	.00	.40	.00	.40	.40	.00	1.19	.40	.00	.00	.79	.40	.00	.40	.00	4.37
(2)	.00	.00	.00	.03	.00	.03	.03	.00	.08	.03	.00	.00	.06	.03	.00	.03	.00	.31
4.1- 5.0	1	0	0	0	0	1	0	1	1	1	0	2	2	0	0	1	0	10
(1)	.40	.00	.00	.00	.00	.40	.00	.40	.40	.40	.00	.79	.79	.00	.00	.40	.00	3.97
(2)	.03	.00	.00	.00	.00	.03	.00	.03	.03	.03	.00	.06	.06	.00	.00	.03	.00	.28
5.1- 6.0	3	1	0	0	0	0	0	3	1	1	0	1	1	0	3	3	0	17
(1)	1.19	.40	.00	.00	.00	.00	.00	1.19	.40	.40	.00	.40	.40	.00	1.19	1.19	.00	6.75
(2)	.08	.03	.00	.00	.00	.00	.00	.08	.03	.03	.00	.03	.03	.00	.08	.08	.00	.48
6.1- 8.0	7	10	0	0	0	0	2	5	3	1	0	3	3	5	13	7	0	59
(1)	2.78	3.97	.00	.00	.00	.00	.79	1.98	1.19	.40	.00	1.19	1.19	1.98	5.16	2.78	.00	23.41
(2)	.20	.28	.00	.00	.00	.00	.06	.14	.08	.03	.00	.08	.08	.14	.37	.20	.00	1.66
8.1-10.0	0	1	4	0	0	0	0	1	0	0	1	4	7	10	17	9	0	54
(1)	.00	.40	1.59	.00	.00	.00	.00	.40	.00	.00	.40	1.59	2.78	3.97	6.75	3.57	.00	21.43
(2)	.00	.03	.11	.00	.00	.00	.00	.03	.00	.00	.03	.11	.20	.28	.48	.25	.00	1.52
10.1-40.3	1	2	2	0	0	0	2	1	0	0	1	8	13	27	22	14	0	93
(1)	.40	.79	.79	.00	.00	.00	.79	.40	.00	.00	.40	3.17	5.16	10.71	8.73	5.56	.00	36.90
(2)	.03	.06	.06	.00	.00	.00	.06	.03	.00	.00	.03	.23	.37	.76	.62	.40	.00	2.62
ALL SPEEDS	12	14	7	2	1	2	5	11	8	4	2	18	29	43	59	35	0	252
(1)	4.76	5.56	2.78	.79	.40	.79	1.98	4.37	3.17	1.59	.79	7.14	11.51	17.06	23.41	13.89	.00	100.00
(2)	.34	.40	.20	.06	.03	.06	.14	.31	.23	.11	.06	.51	.82	1.21	1.66	.99	.00	7.11

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Table 2.3-73—{NMPNS 200 ft (61-m) 2001-2005 November JFD}

(Page 4 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 49.92

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	0	4
(1)	.00	.00	.00	.00	.06	.00	.06	.00	.00	.00	.06	.00	.00	.00	.06	.00	.00	.23
(2)	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.03	.00	.00	.00	.03	.00	.00	.11
1.1- 1.5	2	0	1	1	0	1	1	1	1	0	0	0	1	1	0	1	0	11
(1)	.11	.00	.06	.06	.00	.06	.06	.06	.06	.00	.00	.00	.06	.06	.00	.06	.00	.62
(2)	.06	.00	.03	.03	.00	.03	.03	.03	.03	.00	.00	.00	.03	.03	.00	.03	.00	.31
1.6- 2.0	1	1	2	2	2	2	2	3	1	1	0	1	1	2	1	0	0	22
(1)	.06	.06	.11	.11	.11	.11	.11	.17	.06	.06	.00	.06	.06	.11	.06	.00	.00	1.24
(2)	.03	.03	.06	.06	.06	.06	.06	.08	.03	.03	.00	.03	.03	.06	.03	.00	.00	.62
2.1- 3.0	1	3	3	5	9	5	12	12	9	4	3	7	7	6	4	3	0	93
(1)	.06	.17	.17	.28	.51	.28	.68	.68	.51	.23	.17	.40	.40	.34	.23	.17	.00	5.26
(2)	.03	.08	.08	.14	.25	.14	.34	.34	.25	.11	.08	.20	.20	.17	.11	.08	.00	2.62
3.1- 4.0	7	1	8	11	11	11	14	10	13	13	8	2	7	11	17	4	0	148
(1)	.40	.06	.45	.62	.62	.62	.79	.57	.73	.73	.45	.11	.40	.62	.96	.23	.00	8.37
(2)	.20	.03	.23	.31	.31	.31	.40	.28	.37	.37	.23	.06	.20	.31	.48	.11	.00	4.18
4.1- 5.0	5	7	27	6	10	11	11	13	26	26	8	11	22	8	13	6	0	210
(1)	.28	.40	1.53	.34	.57	.62	.62	.73	1.47	1.47	.45	.62	1.24	.45	.73	.34	.00	11.87
(2)	.14	.20	.76	.17	.28	.31	.31	.37	.73	.73	.23	.31	.62	.23	.37	.17	.00	5.93
5.1- 6.0	10	10	22	6	5	11	31	16	31	18	11	12	11	19	16	6	0	235
(1)	.57	.57	1.24	.34	.28	.62	1.75	.90	1.75	1.02	.62	.68	.62	1.07	.90	.34	.00	13.28
(2)	.28	.28	.62	.17	.14	.31	.87	.45	.87	.51	.31	.34	.31	.54	.45	.17	.00	6.63
6.1- 8.0	9	17	30	1	2	16	63	36	61	35	39	30	47	20	23	15	0	444
(1)	.51	.96	1.70	.06	.11	.90	3.56	2.04	3.45	1.98	2.20	1.70	2.66	1.13	1.30	.85	.00	25.10
(2)	.25	.48	.85	.03	.06	.45	1.78	1.02	1.72	.99	1.10	.85	1.33	.56	.65	.42	.00	12.53
8.1-10.0	4	10	10	0	1	4	54	44	30	7	24	13	44	32	19	5	0	301
(1)	.23	.57	.57	.00	.06	.23	3.05	2.49	1.70	.40	1.36	.73	2.49	1.81	1.07	.28	.00	17.02
(2)	.11	.28	.28	.00	.03	.11	1.52	1.24	.85	.20	.68	.37	1.24	.90	.54	.14	.00	8.49
10.1-40.3	1	4	5	0	0	0	37	35	9	0	7	54	76	46	23	4	0	301
(1)	.06	.23	.28	.00	.00	.00	2.09	1.98	.51	.00	.40	3.05	4.30	2.60	1.30	.23	.00	17.02
(2)	.03	.11	.14	.00	.00	.00	1.04	.99	.25	.00	.20	1.52	2.14	1.30	.65	.11	.00	8.49
ALL SPEEDS	40	53	108	32	41	61	226	170	181	104	101	130	216	145	117	44	0	1769
(1)	2.26	3.00	6.11	1.81	2.32	3.45	12.78	9.61	10.23	5.88	5.71	7.35	12.21	8.20	6.61	2.49	.00	100.00
(2)	1.13	1.50	3.05	.90	1.16	1.72	6.38	4.80	5.11	2.93	2.85	3.67	6.09	4.09	3.30	1.24	.00	49.92

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Table 2.3-73—{NMPNS 200 ft (61-m) 2001-2005 November JFD}

(Page 5 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 25.40

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	2	0	0	0	1	1	0	0	1	0	0	1	0	0	0	0	0	6
(1)	.22	.00	.00	.00	.11	.11	.00	.00	.11	.00	.00	.11	.00	.00	.00	.00	.00	.67
(2)	.06	.00	.00	.00	.03	.03	.00	.00	.03	.00	.00	.03	.00	.00	.00	.00	.00	.17
1.6- 2.0	1	0	0	1	1	1	1	2	0	1	0	1	1	0	1	1	0	12
(1)	.11	.00	.00	.11	.11	.11	.11	.22	.00	.11	.00	.11	.11	.00	.11	.11	.00	1.33
(2)	.03	.00	.00	.03	.03	.03	.03	.06	.00	.03	.00	.03	.03	.00	.03	.03	.00	.34
2.1- 3.0	1	0	1	6	1	3	1	8	2	2	2	1	1	2	1	1	0	33
(1)	.11	.00	.11	.67	.11	.33	.11	.89	.22	.22	.22	.11	.11	.22	.11	.11	.00	3.67
(2)	.03	.00	.03	.17	.03	.08	.03	.23	.06	.06	.06	.03	.03	.06	.03	.03	.00	.93
3.1- 4.0	0	0	2	3	3	7	12	6	6	6	7	1	3	0	1	1	0	58
(1)	.00	.00	.22	.33	.33	.78	1.33	.67	.67	.67	.78	.11	.33	.00	.11	.11	.00	6.44
(2)	.00	.00	.06	.08	.08	.20	.34	.17	.17	.17	.20	.03	.08	.00	.03	.03	.00	1.64
4.1- 5.0	1	0	1	1	4	12	16	10	9	11	4	12	4	1	0	0	0	86
(1)	.11	.00	.11	.11	.44	1.33	1.78	1.11	1.00	1.22	.44	1.33	.44	.11	.00	.00	.00	9.56
(2)	.03	.00	.03	.03	.11	.34	.45	.28	.25	.31	.11	.34	.11	.03	.00	.00	.00	2.43
5.1- 6.0	0	0	0	0	0	7	25	30	39	22	14	13	2	0	0	0	0	152
(1)	.00	.00	.00	.00	.00	.78	2.78	3.33	4.33	2.44	1.56	1.44	.22	.00	.00	.00	.00	16.89
(2)	.00	.00	.00	.00	.00	.20	.71	.85	1.10	.62	.40	.37	.06	.00	.00	.00	.00	4.29
6.1- 8.0	0	1	0	0	0	3	69	63	77	67	25	28	8	0	1	1	0	343
(1)	.00	.11	.00	.00	.00	.33	7.67	7.00	8.56	7.44	2.78	3.11	.89	.00	.11	.11	.00	38.11
(2)	.00	.03	.00	.00	.00	.08	1.95	1.78	2.17	1.89	.71	.79	.23	.00	.03	.03	.00	9.68
8.1-10.0	0	0	0	0	0	1	25	59	26	6	4	14	3	2	0	0	0	140
(1)	.00	.00	.00	.00	.00	.11	2.78	6.56	2.89	.67	.44	1.56	.33	.22	.00	.00	.00	15.56
(2)	.00	.00	.00	.00	.00	.03	.71	1.66	.73	.17	.11	.40	.08	.06	.00	.00	.00	3.95
10.1-40.3	0	0	0	0	0	1	12	18	1	0	0	25	9	2	0	1	0	69
(1)	.00	.00	.00	.00	.00	.11	1.33	2.00	.11	.00	.00	2.78	1.00	.22	.00	.11	.00	7.67
(2)	.00	.00	.00	.00	.00	.03	.34	.51	.03	.00	.00	.71	.25	.06	.00	.03	.00	1.95
ALL SPEEDS	5	1	5	11	10	36	161	196	161	115	56	96	31	7	4	5	0	900
(1)	.56	.11	.56	1.22	1.11	4.00	17.89	21.78	17.89	12.78	6.22	10.67	3.44	.78	.44	.56	.00	100.00
(2)	.14	.03	.14	.31	.28	1.02	4.54	5.53	4.54	3.24	1.58	2.71	.87	.20	.11	.14	.00	25.40

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Table 2.3-73—{NMPNS 200 ft (61-m) 2001-2005 November JFD}

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NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 3.67

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.77	.77	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.54
(2)	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
1.1- 1.5	0	1	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	4
(1)	.00	.77	.00	.00	.00	.77	.00	.00	.00	.77	.00	.00	.00	.00	.77	.00	.00	3.08
(2)	.00	.03	.00	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.03	.00	.00	.11
1.6- 2.0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	1.54	1.54	.00	.00	.00	.00	.00	.00	.00	.00	3.08
(2)	.00	.00	.00	.00	.00	.00	.00	.06	.06	.00	.00	.00	.00	.00	.00	.00	.00	.11
2.1- 3.0	0	0	0	2	3	3	0	2	0	0	2	0	0	2	0	0	0	14
(1)	.00	.00	.00	1.54	2.31	2.31	.00	1.54	.00	.00	1.54	.00	.00	1.54	.00	.00	.00	10.77
(2)	.00	.00	.00	.06	.08	.08	.00	.06	.00	.00	.06	.00	.00	.06	.00	.00	.00	.40
3.1- 4.0	0	0	0	0	4	2	2	2	0	1	4	2	1	0	0	1	0	19
(1)	.00	.00	.00	.00	3.08	1.54	1.54	1.54	.00	.77	3.08	1.54	.77	.00	.00	.77	.00	14.62
(2)	.00	.00	.00	.00	.11	.06	.06	.06	.00	.03	.11	.06	.03	.00	.00	.03	.00	.54
4.1- 5.0	0	0	0	0	0	3	1	3	1	3	3	2	0	0	1	0	0	17
(1)	.00	.00	.00	.00	.00	2.31	.77	2.31	.77	2.31	2.31	1.54	.00	.00	.77	.00	.00	13.08
(2)	.00	.00	.00	.00	.00	.08	.03	.08	.03	.08	.08	.06	.00	.00	.03	.00	.00	.48
5.1- 6.0	0	0	0	0	0	2	1	5	6	5	5	2	0	0	0	0	0	26
(1)	.00	.00	.00	.00	.00	1.54	.77	3.85	4.62	3.85	3.85	1.54	.00	.00	.00	.00	.00	20.00
(2)	.00	.00	.00	.00	.00	.06	.03	.14	.17	.14	.14	.06	.00	.00	.00	.00	.00	.73
6.1- 8.0	0	0	0	0	0	1	4	12	15	6	1	1	1	1	0	0	0	42
(1)	.00	.00	.00	.00	.00	.77	3.08	9.23	11.54	4.62	.77	.77	.77	.77	.00	.00	.00	32.31
(2)	.00	.00	.00	.00	.00	.03	.11	.34	.42	.17	.03	.03	.03	.03	.00	.00	.00	1.19
8.1-10.0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.77	.77	.00	.00	.00	.00	.00	.00	.00	.00	1.54
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.06
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	1	0	3	8	12	8	27	25	16	15	7	2	3	2	1	0	130
(1)	.00	.77	.00	2.31	6.15	9.23	6.15	20.77	19.23	12.31	11.54	5.38	1.54	2.31	1.54	.77	.00	100.00
(2)	.00	.03	.00	.08	.23	.34	.23	.76	.71	.45	.42	.20	.06	.08	.06	.03	.00	3.67

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Table 2.3-73—{NMPNS 200 ft (61-m) 2001-2005 November JFD}

(Page 7 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.38

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	2.04	.00	.00	.00	.00	.00	2.04	.00	.00	.00	4.08
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.06
1.1- 1.5	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	2.04	.00	.00	.00	.00	.00	2.04	.00	.00	.00	.00	.00	.00	4.08
(2)	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.06
1.6- 2.0	0	0	1	0	1	0	0	0	0	0	1	1	0	0	2	0	0	6
(1)	.00	.00	2.04	.00	2.04	.00	.00	.00	.00	.00	2.04	2.04	.00	.00	4.08	.00	.00	12.24
(2)	.00	.00	.03	.00	.03	.00	.00	.00	.00	.00	.03	.03	.00	.00	.06	.00	.00	.17
2.1- 3.0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.04	.00	.00	.00	.00	.00	.00	.00	2.04
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03
3.1- 4.0	0	0	0	0	0	1	2	1	1	3	4	0	0	0	0	0	0	12
(1)	.00	.00	.00	.00	.00	2.04	4.08	2.04	2.04	6.12	8.16	.00	.00	.00	.00	.00	.00	24.49
(2)	.00	.00	.00	.00	.00	.03	.06	.03	.03	.08	.11	.00	.00	.00	.00	.00	.00	.34
4.1- 5.0	0	0	0	0	0	0	1	0	0	1	9	2	0	0	0	0	0	13
(1)	.00	.00	.00	.00	.00	.00	2.04	.00	.00	2.04	18.37	4.08	.00	.00	.00	.00	.00	26.53
(2)	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03	.25	.06	.00	.00	.00	.00	.00	.37
5.1- 6.0	0	0	0	0	0	0	0	2	0	3	4	0	0	0	0	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	4.08	.00	6.12	8.16	.00	.00	.00	.00	.00	.00	18.37
(2)	.00	.00	.00	.00	.00	.00	.00	.06	.00	.08	.11	.00	.00	.00	.00	.00	.00	.25
6.1- 8.0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	2.04	2.04	.00	2.04	.00	.00	.00	.00	.00	.00	6.12
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.03	.00	.00	.00	.00	.00	.00	.08
8.1-10.0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	2.04	.00	.00	.00	.00	.00	.00	.00	.00	2.04
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	1	0	2	1	3	5	3	8	20	3	0	1	2	0	0	49
(1)	.00	.00	2.04	.00	4.08	2.04	6.12	10.20	6.12	16.33	40.82	6.12	.00	2.04	4.08	.00	.00	100.00
(2)	.00	.00	.03	.00	.06	.03	.08	.14	.08	.23	.56	.08	.00	.03	.06	.00	.00	1.38

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Table 2.3-73—{NMPNS 200 ft (61-m) 2001-2005 November JFD}

(Page 8 of 8)

NMP NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	1	1	2	0	1	1	0	0	1	0	0	1	1	0	0	9
(1)	.00	.00	.03	.03	.06	.00	.03	.03	.00	.00	.03	.00	.00	.03	.03	.00	.00	.25
(2)	.00	.00	.03	.03	.06	.00	.03	.03	.00	.00	.03	.00	.00	.03	.03	.00	.00	.25
1.1- 1.5	4	1	1	1	2	3	1	1	2	1	1	1	1	1	1	1	0	23
(1)	.11	.03	.03	.03	.06	.08	.03	.03	.06	.03	.03	.03	.03	.03	.03	.03	.00	.65
(2)	.11	.03	.03	.03	.06	.08	.03	.03	.06	.03	.03	.03	.03	.03	.03	.03	.00	.65
1.6- 2.0	2	1	3	3	4	3	3	7	3	2	1	3	2	2	4	1	0	44
(1)	.06	.03	.08	.08	.11	.08	.08	.20	.08	.06	.03	.08	.06	.06	.11	.03	.00	1.24
(2)	.06	.03	.08	.08	.11	.08	.08	.20	.08	.06	.03	.08	.06	.06	.11	.03	.00	1.24
2.1- 3.0	4	3	5	14	14	11	13	22	11	7	7	9	9	10	12	6	0	157
(1)	.11	.08	.14	.40	.40	.31	.37	.62	.31	.20	.20	.25	.25	.28	.34	.17	.00	4.43
(2)	.11	.08	.14	.40	.40	.31	.37	.62	.31	.20	.20	.25	.25	.28	.34	.17	.00	4.43
3.1- 4.0	9	3	11	15	18	23	31	19	23	24	23	5	13	13	18	8	0	256
(1)	.25	.08	.31	.42	.51	.65	.87	.54	.65	.68	.65	.14	.37	.37	.51	.23	.00	7.22
(2)	.25	.08	.31	.42	.51	.65	.87	.54	.65	.68	.65	.14	.37	.37	.51	.23	.00	7.22
4.1- 5.0	8	7	28	7	15	28	29	27	37	42	24	29	28	11	18	11	0	349
(1)	.23	.20	.79	.20	.42	.79	.82	.76	1.04	1.19	.68	.82	.79	.31	.51	.31	.00	9.85
(2)	.23	.20	.79	.20	.42	.79	.82	.76	1.04	1.19	.68	.82	.79	.31	.51	.31	.00	9.85
5.1- 6.0	14	12	22	6	5	20	57	56	77	51	34	28	14	21	24	14	0	455
(1)	.40	.34	.62	.17	.14	.56	1.61	1.58	2.17	1.44	.96	.79	.40	.59	.68	.40	.00	12.84
(2)	.40	.34	.62	.17	.14	.56	1.61	1.58	2.17	1.44	.96	.79	.40	.59	.68	.40	.00	12.84
6.1- 8.0	27	32	30	1	2	21	139	118	157	111	66	64	60	32	50	34	0	944
(1)	.76	.90	.85	.03	.06	.59	3.92	3.33	4.43	3.13	1.86	1.81	1.69	.90	1.41	.96	.00	26.64
(2)	.76	.90	.85	.03	.06	.59	3.92	3.33	4.43	3.13	1.86	1.81	1.69	.90	1.41	.96	.00	26.64
8.1-10.0	12	15	14	0	1	5	80	105	58	13	29	34	60	49	52	25	0	552
(1)	.34	.42	.40	.00	.03	.14	2.26	2.96	1.64	.37	.82	.96	1.69	1.38	1.47	.71	.00	15.58
(2)	.34	.42	.40	.00	.03	.14	2.26	2.96	1.64	.37	.82	.96	1.69	1.38	1.47	.71	.00	15.58
10.1-40.3	25	12	8	0	0	2	54	54	10	0	8	118	122	155	135	52	0	755
(1)	.71	.34	.23	.00	.00	.06	1.52	1.52	.28	.00	.23	3.33	3.44	4.37	3.81	1.47	.00	21.30
(2)	.71	.34	.23	.00	.00	.06	1.52	1.52	.28	.00	.23	3.33	3.44	4.37	3.81	1.47	.00	21.30
ALL SPEEDS	105	86	123	48	63	116	408	410	378	251	194	291	309	295	315	152	0	3544
(1)	2.96	2.43	3.47	1.35	1.78	3.27	11.51	11.57	10.67	7.08	5.47	8.21	8.72	8.32	8.89	4.29	.00	100.00
(2)	2.96	2.43	3.47	1.35	1.78	3.27	11.51	11.57	10.67	7.08	5.47	8.21	8.72	8.32	8.89	4.29	.00	100.00

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Table 2.3-74—{NMPNS 200 ft (61-m) 2001-2005 December JFD}

(Page 1 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 5.36

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	.00	.00	.50
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03
3.1- 4.0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
4.1- 5.0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.50	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.01
(2)	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
5.1- 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	.50	.00	1.01
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.05
6.1- 8.0	4	2	1	0	0	0	0	0	0	0	0	0	0	0	4	4	0	15
(1)	2.01	1.01	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.01	2.01	.00	7.54
(2)	.11	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.11	.00	.40
8.1-10.0	23	1	0	0	0	0	0	0	0	0	0	0	0	6	17	19	0	66
(1)	11.56	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.02	8.54	9.55	.00	33.17
(2)	.62	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.46	.51	.00	1.78
10.1-40.3	21	3	0	0	0	0	0	0	1	0	0	3	9	41	25	9	0	112
(1)	10.55	1.51	.00	.00	.00	.00	.00	.00	.50	.00	.00	1.51	4.52	20.60	12.56	4.52	.00	56.28
(2)	.57	.08	.00	.00	.00	.00	.00	.00	.03	.00	.00	.08	.24	1.10	.67	.24	.00	3.01
ALL SPEEDS	48	7	3	0	0	0	0	0	1	0	0	3	9	47	48	33	0	199
(1)	24.12	3.52	1.51	.00	.00	.00	.00	.00	.50	.00	.00	1.51	4.52	23.62	24.12	16.58	.00	100.00
(2)	1.29	.19	.08	.00	.00	.00	.00	.00	.03	.00	.00	.08	.24	1.27	1.29	.89	.00	5.36

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Table 2.3-74—{NMPNS 200 ft (61-m) 2001-2005 December JFD}

(Page 2 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.68

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	3
(1)	.00	.00	.00	.57	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	.57	.00	.00	1.72
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.08
3.1- 4.0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	3
(1)	.00	.00	.57	.00	.00	.57	.00	.00	.00	.00	.00	.00	.00	.00	.57	.00	.00	1.72
(2)	.00	.00	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.08
4.1- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	1.72	.00	.00	2.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08	.00	.00	.11
5.1- 6.0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	6	4	0	13
(1)	.57	.57	.57	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.45	2.30	.00	7.47
(2)	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.11	.00	.35
6.1- 8.0	3	1	1	0	0	0	2	0	0	0	0	0	0	2	10	5	0	24
(1)	1.72	.57	.57	.00	.00	.00	1.15	.00	.00	.00	.00	.00	.00	1.15	5.75	2.87	.00	13.79
(2)	.08	.03	.03	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05	.27	.13	.00	.65
8.1-10.0	10	2	0	0	0	0	0	0	0	0	0	0	0	5	14	9	0	40
(1)	5.75	1.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.87	8.05	5.17	.00	22.99
(2)	.27	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13	.38	.24	.00	1.08
10.1-40.3	3	12	0	0	0	0	0	0	0	0	0	12	2	18	34	6	0	87
(1)	1.72	6.90	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.90	1.15	10.34	19.54	3.45	.00	50.00
(2)	.08	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.32	.05	.48	.92	.16	.00	2.34
ALL SPEEDS	17	16	3	1	0	1	2	0	0	0	0	12	2	27	69	24	0	174
(1)	9.77	9.20	1.72	.57	.00	.57	1.15	.00	.00	.00	.00	6.90	1.15	15.52	39.66	13.79	.00	100.00
(2)	.46	.43	.08	.03	.00	.03	.05	.00	.00	.00	.00	.32	.05	.73	1.86	.65	.00	4.68

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Table 2.3-74—{NMPNS 200 ft (61-m) 2001-2005 December JFD}

(Page 3 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 7.29

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1- 3.0	0	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	4
(1)	.00	.37	.37	.00	.37	.00	.00	.00	.00	.00	.00	.00	.37	.00	.00	.00	.00	1.48
(2)	.00	.03	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.11
3.1- 4.0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.37
(2)	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
4.1- 5.0	1	0	2	0	0	0	2	0	0	0	0	0	0	1	0	1	0	7
(1)	.37	.00	.74	.00	.00	.00	.74	.00	.00	.00	.00	.00	.00	.37	.00	.37	.00	2.58
(2)	.03	.00	.05	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.19
5.1- 6.0	2	1	1	0	0	0	1	0	0	0	1	1	1	2	3	5	0	18
(1)	.74	.37	.37	.00	.00	.00	.37	.00	.00	.00	.37	.37	.37	.74	1.11	1.85	.00	6.64
(2)	.05	.03	.03	.00	.00	.00	.03	.00	.00	.00	.03	.03	.03	.05	.08	.13	.00	.48
6.1- 8.0	11	3	0	0	0	1	0	1	1	0	2	2	0	7	26	14	0	68
(1)	4.06	1.11	.00	.00	.00	.37	.00	.37	.37	.00	.74	.74	.00	2.58	9.59	5.17	.00	25.09
(2)	.30	.08	.00	.00	.00	.03	.00	.03	.03	.00	.05	.05	.00	.19	.70	.38	.00	1.83
8.1-10.0	2	6	0	0	0	0	0	0	0	0	0	2	1	7	13	11	0	42
(1)	.74	2.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.74	.37	2.58	4.80	4.06	.00	15.50
(2)	.05	.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.03	.19	.35	.30	.00	1.13
10.1-40.3	3	26	1	0	0	0	0	0	1	0	0	36	16	22	20	6	0	131
(1)	1.11	9.59	.37	.00	.00	.00	.00	.00	.37	.00	.00	13.28	5.90	8.12	7.38	2.21	.00	48.34
(2)	.08	.70	.03	.00	.00	.00	.00	.00	.03	.00	.00	.97	.43	.59	.54	.16	.00	3.53
ALL SPEEDS	19	37	6	0	1	1	3	1	2	0	3	41	19	39	62	37	0	271
(1)	7.01	13.65	2.21	.00	.37	.37	1.11	.37	.74	.00	1.11	15.13	7.01	14.39	22.88	13.65	.00	100.00
(2)	.51	1.00	.16	.00	.03	.03	.08	.03	.05	.00	.08	1.10	.51	1.05	1.67	1.00	.00	7.29

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Table 2.3-74—{NMPNS 200 ft (61-m) 2001-2005 December JFD}

(Page 4 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 57.63

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
(2)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
1.1- 1.5	0	1	0	0	1	1	4	2	0	0	0	0	0	1	0	0	0	10
(1)	.00	.05	.00	.00	.05	.05	.19	.09	.00	.00	.00	.00	.00	.05	.00	.00	.00	.47
(2)	.00	.03	.00	.00	.03	.03	.11	.05	.00	.00	.00	.00	.00	.03	.00	.00	.00	.27
1.6- 2.0	1	1	2	1	2	0	6	3	0	0	0	0	0	0	0	2	0	18
(1)	.05	.05	.09	.05	.09	.00	.28	.14	.00	.00	.00	.00	.00	.00	.00	.09	.00	.84
(2)	.03	.03	.05	.03	.05	.00	.16	.08	.00	.00	.00	.00	.00	.00	.00	.05	.00	.48
2.1- 3.0	0	3	7	5	15	21	13	9	13	0	2	2	4	4	3	2	0	103
(1)	.00	.14	.33	.23	.70	.98	.61	.42	.61	.00	.09	.09	.19	.19	.14	.09	.00	4.81
(2)	.00	.08	.19	.13	.40	.57	.35	.24	.35	.00	.05	.05	.11	.11	.08	.05	.00	2.77
3.1- 4.0	3	12	20	8	16	21	21	15	16	18	4	2	6	8	9	9	0	188
(1)	.14	.56	.93	.37	.75	.98	.98	.70	.75	.84	.19	.09	.28	.37	.42	.42	.00	8.78
(2)	.08	.32	.54	.22	.43	.57	.57	.40	.43	.48	.11	.05	.16	.22	.24	.24	.00	5.06
4.1- 5.0	7	7	17	4	10	33	23	19	27	40	15	5	4	8	12	12	0	243
(1)	.33	.33	.79	.19	.47	1.54	1.07	.89	1.26	1.87	.70	.23	.19	.37	.56	.56	.00	11.35
(2)	.19	.19	.46	.11	.27	.89	.62	.51	.73	1.08	.40	.13	.11	.22	.32	.32	.00	6.54
5.1- 6.0	8	22	12	2	10	25	49	14	28	85	36	3	7	11	18	16	0	346
(1)	.37	1.03	.56	.09	.47	1.17	2.29	.65	1.31	3.97	1.68	.14	.33	.51	.84	.75	.00	16.16
(2)	.22	.59	.32	.05	.27	.67	1.32	.38	.75	2.29	.97	.08	.19	.30	.48	.43	.00	9.31
6.1- 8.0	10	12	9	1	5	37	86	28	63	98	98	17	7	16	18	15	0	520
(1)	.47	.56	.42	.05	.23	1.73	4.02	1.31	2.94	4.58	4.58	.79	.33	.75	.84	.70	.00	24.29
(2)	.27	.32	.24	.03	.13	1.00	2.31	.75	1.70	2.64	2.64	.46	.19	.43	.48	.40	.00	14.00
8.1-10.0	2	6	6	0	1	9	40	26	16	8	48	29	24	13	33	14	0	275
(1)	.09	.28	.28	.00	.05	.42	1.87	1.21	.75	.37	2.24	1.35	1.12	.61	1.54	.65	.00	12.84
(2)	.05	.16	.16	.00	.03	.24	1.08	.70	.43	.22	1.29	.78	.65	.35	.89	.38	.00	7.40
10.1-40.3	5	15	2	0	0	0	16	8	2	0	8	122	116	89	45	9	0	437
(1)	.23	.70	.09	.00	.00	.00	.75	.37	.09	.00	.37	5.70	5.42	4.16	2.10	.42	.00	20.41
(2)	.13	.40	.05	.00	.00	.00	.43	.22	.05	.00	.22	3.28	3.12	2.40	1.21	.24	.00	11.76
ALL SPEEDS	36	79	75	22	60	147	258	124	165	249	211	180	168	150	138	79	0	2141
(1)	1.68	3.69	3.50	1.03	2.80	6.87	12.05	5.79	7.71	11.63	9.86	8.41	7.85	7.01	6.45	3.69	.00	100.00
(2)	.97	2.13	2.02	.59	1.62	3.96	6.94	3.34	4.44	6.70	5.68	4.85	4.52	4.04	3.71	2.13	.00	57.63

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Table 2.3-74—{NMPNS 200 ft (61-m) 2001-2005 December JFD}

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NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 21.97

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.12	.00	.00	.12	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.37
(2)	.00	.03	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
1.1- 1.5	0	0	2	1	0	1	1	0	0	0	0	0	1	1	0	0	0	7
(1)	.00	.00	.25	.12	.00	.12	.12	.00	.00	.00	.00	.00	.12	.12	.00	.00	.00	.86
(2)	.00	.00	.05	.03	.00	.03	.03	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.19
1.6- 2.0	0	1	1	0	5	0	0	0	0	1	0	1	0	1	0	0	0	10
(1)	.00	.12	.12	.00	.61	.00	.00	.00	.00	.12	.00	.12	.00	.12	.00	.00	.00	1.23
(2)	.00	.03	.03	.00	.13	.00	.00	.00	.00	.03	.00	.03	.00	.03	.00	.00	.00	.27
2.1- 3.0	1	1	6	1	5	2	5	0	1	1	3	1	2	0	1	2	0	32
(1)	.12	.12	.74	.12	.61	.25	.61	.00	.12	.12	.37	.12	.25	.00	.12	.25	.00	3.92
(2)	.03	.03	.16	.03	.13	.05	.13	.00	.03	.03	.08	.03	.05	.00	.03	.05	.00	.86
3.1- 4.0	2	2	3	8	4	7	3	1	2	5	5	3	2	1	0	0	0	48
(1)	.25	.25	.37	.98	.49	.86	.37	.12	.25	.61	.61	.37	.25	.12	.00	.00	.00	5.88
(2)	.05	.05	.08	.22	.11	.19	.08	.03	.05	.13	.13	.08	.05	.03	.00	.00	.00	1.29
4.1- 5.0	0	0	1	3	5	9	17	8	6	14	7	1	3	0	0	0	0	74
(1)	.00	.00	.12	.37	.61	1.10	2.08	.98	.74	1.72	.86	.12	.37	.00	.00	.00	.00	9.07
(2)	.00	.00	.03	.08	.13	.24	.46	.22	.16	.38	.19	.03	.08	.00	.00	.00	.00	1.99
5.1- 6.0	1	1	2	0	5	14	29	16	10	15	9	7	3	0	1	0	0	113
(1)	.12	.12	.25	.00	.61	1.72	3.55	1.96	1.23	1.84	1.10	.86	.37	.00	.12	.00	.00	13.85
(2)	.03	.03	.05	.00	.13	.38	.78	.43	.27	.40	.24	.19	.08	.00	.03	.00	.00	3.04
6.1- 8.0	0	0	0	0	0	17	62	80	76	38	9	12	3	1	2	0	0	300
(1)	.00	.00	.00	.00	.00	2.08	7.60	9.80	9.31	4.66	1.10	1.47	.37	.12	.25	.00	.00	36.76
(2)	.00	.00	.00	.00	.00	.46	1.67	2.15	2.05	1.02	.24	.32	.08	.03	.05	.00	.00	8.08
8.1-10.0	0	0	0	0	0	1	29	49	29	7	2	8	16	2	2	0	0	145
(1)	.00	.00	.00	.00	.00	.12	3.55	6.00	3.55	.86	.25	.98	1.96	.25	.25	.00	.00	17.77
(2)	.00	.00	.00	.00	.00	.03	.78	1.32	.78	.19	.05	.22	.43	.05	.05	.00	.00	3.90
10.1-40.3	0	0	0	0	0	0	7	13	0	1	1	24	28	8	2	0	0	84
(1)	.00	.00	.00	.00	.00	.00	.86	1.59	.00	.12	.12	2.94	3.43	.98	.25	.00	.00	10.29
(2)	.00	.00	.00	.00	.00	.00	.19	.35	.00	.03	.03	.65	.75	.22	.05	.00	.00	2.26
ALL SPEEDS	4	6	15	13	25	52	153	167	124	82	36	57	58	14	8	2	0	816
(1)	.49	.74	1.84	1.59	3.06	6.37	18.75	20.47	15.20	10.05	4.41	6.99	7.11	1.72	.98	.25	.00	100.00
(2)	.11	.16	.40	.35	.67	1.40	4.12	4.50	3.34	2.21	.97	1.53	1.56	.38	.22	.05	.00	21.97

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Table 2.3-74—{NMPNS 200 ft (61-m) 2001-2005 December JFD}

(Page 6 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 2.23

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.6- 2.0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.20	.00	1.20	.00	.00	.00	.00	2.41
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	.05
2.1- 3.0	0	0	1	0	0	1	0	1	2	1	1	0	0	0	0	0	0	7
(1)	.00	.00	1.20	.00	.00	1.20	.00	1.20	2.41	1.20	1.20	.00	.00	.00	.00	.00	.00	8.43
(2)	.00	.00	.03	.00	.00	.03	.00	.03	.05	.03	.03	.00	.00	.00	.00	.00	.00	.19
3.1- 4.0	0	0	0	0	4	1	2	1	3	1	4	2	1	1	0	0	0	20
(1)	.00	.00	.00	.00	4.82	1.20	2.41	1.20	3.61	1.20	4.82	2.41	1.20	1.20	.00	.00	.00	24.10
(2)	.00	.00	.00	.00	.11	.03	.05	.03	.08	.03	.11	.05	.03	.03	.00	.00	.00	.54
4.1- 5.0	0	0	0	0	0	1	2	2	6	2	1	1	1	0	0	0	0	16
(1)	.00	.00	.00	.00	.00	1.20	2.41	2.41	7.23	2.41	1.20	1.20	1.20	.00	.00	.00	.00	19.28
(2)	.00	.00	.00	.00	.00	.03	.05	.05	.16	.05	.03	.03	.03	.00	.00	.00	.00	.43
5.1- 6.0	0	0	0	0	0	2	1	1	3	1	2	1	1	0	0	0	0	12
(1)	.00	.00	.00	.00	.00	2.41	1.20	1.20	3.61	1.20	2.41	1.20	1.20	.00	.00	.00	.00	14.46
(2)	.00	.00	.00	.00	.00	.05	.03	.03	.08	.03	.05	.03	.03	.00	.00	.00	.00	.32
6.1- 8.0	0	0	0	0	0	1	3	10	6	2	1	2	0	0	0	0	0	25
(1)	.00	.00	.00	.00	.00	1.20	3.61	12.05	7.23	2.41	1.20	2.41	.00	.00	.00	.00	.00	30.12
(2)	.00	.00	.00	.00	.00	.03	.08	.27	.16	.05	.03	.05	.00	.00	.00	.00	.00	.67
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.20	.00	.00	.00	.00	.00	1.20
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
ALL SPEEDS	0	0	1	0	4	6	8	15	20	7	10	7	4	1	0	0	0	83
(1)	.00	.00	1.20	.00	4.82	7.23	9.64	18.07	24.10	8.43	12.05	8.43	4.82	1.20	.00	.00	.00	100.00
(2)	.00	.00	.03	.00	.11	.16	.22	.40	.54	.19	.27	.19	.11	.03	.00	.00	.00	2.23

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Table 2.3-74—{NMPNS 200 ft (61-m) 2001-2005 December JFD}

(Page 7 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = .83

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1.1- 1.5	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.23	.00	3.23	.00	.00	3.23	.00	.00	9.68
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.03	.00	.00	.03	.00	.00	.08
1.6- 2.0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	1	0	4
(1)	.00	.00	.00	.00	6.45	.00	3.23	.00	.00	.00	.00	.00	.00	.00	.00	3.23	.00	12.90
(2)	.00	.00	.00	.00	.05	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.11
2.1- 3.0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.45	3.23	.00	.00	.00	.00	.00	9.68
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.03	.00	.00	.00	.00	.00	.08
3.1- 4.0	0	0	0	0	0	2	0	2	0	0	0	4	0	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	6.45	.00	6.45	.00	.00	.00	12.90	.00	.00	.00	.00	.00	25.81
(2)	.00	.00	.00	.00	.00	.05	.00	.05	.00	.00	.00	.11	.00	.00	.00	.00	.00	.22
4.1- 5.0	0	0	0	0	0	2	0	1	2	2	0	0	0	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	6.45	.00	3.23	6.45	6.45	.00	.00	.00	.00	.00	.00	.00	22.58
(2)	.00	.00	.00	.00	.00	.05	.00	.03	.05	.05	.00	.00	.00	.00	.00	.00	.00	.19
5.1- 6.0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	3.23	3.23	6.45	.00	.00	.00	.00	.00	.00	.00	.00	12.90
(2)	.00	.00	.00	.00	.00	.00	.03	.03	.05	.00	.00	.00	.00	.00	.00	.00	.00	.11
6.1- 8.0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	3.23	3.23	.00	.00	.00	.00	.00	.00	.00	.00	6.45
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.05
8.1-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10.1-40.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	0	2	4	2	5	5	3	2	6	0	0	1	1	0	31
(1)	.00	.00	.00	.00	6.45	12.90	6.45	16.13	16.13	9.68	6.45	19.35	.00	.00	3.23	3.23	.00	100.00
(2)	.00	.00	.00	.00	.05	.11	.05	.13	.13	.08	.05	.16	.00	.00	.03	.03	.00	.83

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Table 2.3-74—{NMPNS 200 ft (61-m) 2001-2005 December JFD}

(Page 8 of 8)

NMP DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

200.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED mps	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
LT .3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.3- .4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.5- 1.0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	4
(1)	.00	.03	.00	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
(2)	.00	.03	.00	.03	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
1.1- 1.5	0	1	2	1	1	2	5	2	0	1	0	1	1	2	1	0	0	20
(1)	.00	.03	.05	.03	.03	.05	.13	.05	.00	.03	.00	.03	.03	.05	.03	.00	.00	.54
(2)	.00	.03	.05	.03	.03	.05	.13	.05	.00	.03	.00	.03	.03	.05	.03	.00	.00	.54
1.6- 2.0	1	2	3	1	9	0	7	3	0	1	1	1	1	1	0	3	0	34
(1)	.03	.05	.08	.03	.24	.00	.19	.08	.00	.03	.03	.03	.03	.03	.00	.08	.00	.92
(2)	.03	.05	.08	.03	.24	.00	.19	.08	.00	.03	.03	.03	.03	.03	.00	.08	.00	.92
2.1- 3.0	1	5	15	7	21	24	18	10	16	2	8	4	7	5	6	4	0	153
(1)	.03	.13	.40	.19	.57	.65	.48	.27	.43	.05	.22	.11	.19	.13	.16	.11	.00	4.12
(2)	.03	.13	.40	.19	.57	.65	.48	.27	.43	.05	.22	.11	.19	.13	.16	.11	.00	4.12
3.1- 4.0	5	14	26	16	24	32	26	19	21	24	13	11	9	10	10	9	0	269
(1)	.13	.38	.70	.43	.65	.86	.70	.51	.57	.65	.35	.30	.24	.27	.27	.24	.00	7.24
(2)	.13	.38	.70	.43	.65	.86	.70	.51	.57	.65	.35	.30	.24	.27	.27	.24	.00	7.24
4.1- 5.0	8	8	21	7	15	45	44	30	41	58	23	7	8	10	15	13	0	353
(1)	.22	.22	.57	.19	.40	1.21	1.18	.81	1.10	1.56	.62	.19	.22	.27	.40	.35	.00	9.50
(2)	.22	.22	.57	.19	.40	1.21	1.18	.81	1.10	1.56	.62	.19	.22	.27	.40	.35	.00	9.50
5.1- 6.0	12	25	16	2	15	41	81	32	43	101	48	12	12	13	29	26	0	508
(1)	.32	.67	.43	.05	.40	1.10	2.18	.86	1.16	2.72	1.29	.32	.32	.35	.78	.70	.00	13.67
(2)	.32	.67	.43	.05	.40	1.10	2.18	.86	1.16	2.72	1.29	.32	.32	.35	.78	.70	.00	13.67
6.1- 8.0	28	18	11	1	5	56	153	120	147	138	110	33	10	26	60	38	0	954
(1)	.75	.48	.30	.03	.13	1.51	4.12	3.23	3.96	3.71	2.96	.89	.27	.70	1.62	1.02	.00	25.68
(2)	.75	.48	.30	.03	.13	1.51	4.12	3.23	3.96	3.71	2.96	.89	.27	.70	1.62	1.02	.00	25.68
8.1-10.0	37	15	6	0	1	10	69	75	45	15	50	39	41	33	79	53	0	568
(1)	1.00	.40	.16	.00	.03	.27	1.86	2.02	1.21	.40	1.35	1.05	1.10	.89	2.13	1.43	.00	15.29
(2)	1.00	.40	.16	.00	.03	.27	1.86	2.02	1.21	.40	1.35	1.05	1.10	.89	2.13	1.43	.00	15.29
10.1-40.3	32	56	3	0	0	0	23	21	4	1	9	198	171	178	126	30	0	852
(1)	.86	1.51	.08	.00	.00	.00	.62	.57	.11	.03	.24	5.33	4.60	4.79	3.39	.81	.00	22.93
(2)	.86	1.51	.08	.00	.00	.00	.62	.57	.11	.03	.24	5.33	4.60	4.79	3.39	.81	.00	22.93
ALL SPEEDS	124	145	103	36	92	211	426	312	317	341	262	306	260	278	326	176	0	3715
(1)	3.34	3.90	2.77	.97	2.48	5.68	11.47	8.40	8.53	9.18	7.05	8.24	7.00	7.48	8.78	4.74	.00	100.00
(2)	3.34	3.90	2.77	.97	2.48	5.68	11.47	8.40	8.53	9.18	7.05	8.24	7.00	7.48	8.78	4.74	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

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Table 2.3-75—{Input Used to Determine JFD's}

Parameter	Value(s)
Anemometer starting speed	0.6 miles per hour
Temperature sensor separation for NMPNS	195 ft -27 ft or 51.21 meters
Wind instrument heights for NMPNS	30 ft (9 m), 100 ft. (30 m), and 200 ft (61 m)
NMPNS meteorological channel units of measure	Wind speed miles per hour Wind direction degrees from True North Delta-Temperature degrees Fahrenheit per sensor separation in feet
Order of data channels in met data	Wind speed (30 ft, 100 ft, 200 ft), wind direction (30 ft, 100 ft, 200 ft), sigma theta and sigma theta stability (30 ft, 100 ft, 200 ft), temperature, dew point temperature, delta temperature and delta temperature stability (100 ft-30 ft, 200 ft-30 ft), barometric pressure, precipitation

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Table 2.3-76—{NMPNS 30 ft(9-m) Wind Direction Persistence Summary for 2001}

NMP JAN01-DEC01 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
30.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																								
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	86	33	17	7	9	6	2	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	163
	53	73	83	88	93	97	98	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
NNE	81	30	18	5	8	7	4	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	156
	52	71	83	86	91	96	98	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
NE	60	36	13	6	2	4	4	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	129
	47	74	84	89	91	94	97	98	98	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	
ENE	74	15	8	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
	73	88	96	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	83	16	11	2	3	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	118
	70	84	93	95	97	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	136	51	18	10	5	0	2	1	3	2	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	233
	58	80	88	92	94	94	95	96	97	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
SE	147	65	43	23	11	16	3	6	5	5	6	1	3	1	1	1	0	1	0	1	0	1	0	0	1	341
	43	62	75	82	85	89	90	92	94	95	97	97	98	98	99	99	99	99	99	99	99	100	100	100	100	
SSE	154	76	43	25	16	10	6	7	2	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	343
	45	67	80	87	92	94	96	98	99	99	99	99	99	100	100	100	100	0	0	0	0	0	0	0	0	
S	137	63	34	19	13	8	9	2	3	5	5	3	3	0	1	1	0	0	0	0	0	0	0	0	0	306
	45	65	76	83	87	90	92	93	94	96	97	98	99	99	100	100	0	0	0	0	0	0	0	0	0	
SSW	172	45	13	8	5	1	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	249
	69	87	92	96	98	98	99	99	99	99	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	
SW	175	37	17	14	4	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	251
	70	84	91	97	98	99	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
WSW	171	76	24	24	14	12	4	3	2	5	1	1	2	1	0	0	1	1	0	0	1	0	0	0	1	344
	50	72	79	86	90	93	94	95	96	97	98	98	99	99	99	99	99	99	99	99	100	100	100	100	100	
W	162	64	35	19	13	9	9	8	4	5	0	4	3	1	0	1	0	0	0	0	0	0	0	0	0	337
	48	67	77	83	87	90	92	95	96	97	97	99	99	100	100	100	0	0	0	0	0	0	0	0	0	
WNW	118	58	31	14	10	6	7	4	0	0	6	0	0	0	1	0	0	0	0	0	0	0	0	0	0	255
	46	69	81	87	91	93	96	97	97	97	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	
NW	105	49	16	13	4	1	5	4	1	4	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	205
	51	75	83	89	91	92	94	96	97	99	99	100	100	100	100	100	100	100	0	0	0	0	0	0	0	
NNW	105	27	14	5	2	2	1	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	160
	66	83	91	94	96	97	98	98	98	98	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	
TOTAL	1966	741	355	197	119	87	59	38	21	28	25	17	15	5	4	3	2	3	0	1	1	2	0	0	2	3691

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
SE	25	0
SE	26	0
SE	27	0
SE	28	0
SE	29	0
SE	30	0
SE	31	0
SE	32	1
WSW	25	1

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Table 2.3-77—{NMPNS 30 ft (9-m) Wind Direction Persistence Summary for 2002}

NMP JAN02-DEC02 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
30.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																									
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	88	34	16	13	5	4	2	4	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	169
	52	72	82	89	92	95	96	98	99	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	
NNE	84	40	17	14	4	5	3	2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	174
	48	71	81	89	91	94	96	97	98	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NE	78	30	8	12	5	4	2	0	1	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	143
	55	76	81	90	93	96	97	97	98	98	98	98	98	99	100	0	0	0	0	0	0	0	0	0	0	
ENE	75	26	9	6	2	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122
	61	83	90	95	97	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	84	34	6	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131
	64	90	95	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	135	52	20	12	12	3	2	5	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	245
	55	76	84	89	94	96	96	98	99	99	99	99	99	99	100	100	100	100	100	100	100	100	100	100	100	
SE	111	90	37	25	21	5	6	4	2	4	4	0	2	2	1	0	0	1	0	0	0	0	0	0	0	315
	35	64	76	83	90	92	94	95	96	97	98	98	99	99	100	100	100	100	0	0	0	0	0	0	0	
SSE	176	65	39	22	17	7	5	4	3	2	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	345
	51	70	81	88	92	94	96	97	98	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	
S	131	59	36	20	18	11	4	7	3	1	4	4	0	1	1	1	0	0	0	0	1	1	0	0	0	303
	43	63	75	81	87	91	92	94	95	96	97	98	98	99	99	99	99	99	99	99	100	100	0	0	0	
SSW	142	52	15	11	8	2	7	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	239
	59	81	87	92	95	96	99	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
SW	160	45	14	8	4	4	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	242
	66	85	90	94	95	97	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WSW	143	62	40	24	19	10	5	4	3	2	2	3	3	0	0	0	0	0	0	0	0	0	0	0	1	321
	45	64	76	84	90	93	94	96	97	97	98	99	100	100	100	100	100	100	100	100	100	100	100	100	100	
W	154	66	39	21	11	16	8	1	3	6	2	2	0	1	1	0	1	0	0	0	0	0	0	0	0	332
	46	66	78	84	88	92	95	95	96	98	98	99	99	99	100	100	100	0	0	0	0	0	0	0	0	
WNW	133	44	30	25	11	9	6	1	0	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	266
	50	67	78	87	91	95	97	97	97	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
NW	104	42	22	8	9	7	3	4	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	205
	51	71	82	86	90	94	95	97	98	98	99	99	100	100	100	100	0	0	0	0	0	0	0	0	0	
NNW	88	37	10	8	7	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	154
	57	81	88	93	97	98	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1886	778	358	233	155	91	56	41	23	26	16	13	8	8	5	2	2	1	0	0	1	1	0	0	2	3706

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
ESE	25	1
WSW	25	0
WSW	26	1

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Table 2.3-78—{NMPNS 30 ft (9-m) Wind Direction Persistence Summary for 2003}

NMP JAN03-DEC03 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
30.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																									
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	77	36	12	10	3	5	2	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	151
	51	75	83	89	91	95	96	97	98	98	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NNE	87	40	15	9	6	1	2	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164
	53	77	87	92	96	96	98	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NE	85	25	15	12	4	3	2	1	2	3	4	0	1	0	1	1	0	0	0	0	0	0	0	0	1	160
	53	69	78	86	88	90	91	92	93	95	98	98	98	98	99	99	99	99	99	99	99	99	99	99	100	
ENE	104	26	15	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	148
	70	88	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	104	39	13	12	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	173
	60	83	90	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	135	67	24	16	9	4	5	2	1	2	2	1	0	0	2	0	0	1	1	0	0	0	0	0	0	272
	50	74	83	89	92	94	96	96	97	97	98	99	99	99	99	99	99	100	100	0	0	0	0	0	0	
SE	159	64	39	21	19	16	8	5	3	3	3	2	0	2	2	1	0	0	0	1	0	0	0	0	0	348
	46	64	75	81	87	91	94	95	96	97	98	98	98	99	99	100	100	100	100	100	0	0	0	0	0	
SSE	159	73	36	22	19	4	3	5	3	2	1	2	2	1	0	0	1	0	0	0	0	0	0	0	0	333
	48	70	80	87	93	94	95	96	97	98	98	99	99	100	100	100	100	0	0	0	0	0	0	0	0	
S	157	62	35	14	13	10	4	7	1	0	0	1	2	2	1	1	0	0	0	0	0	0	0	0	0	310
	51	71	82	86	91	94	95	97	98	98	98	98	99	99	100	100	0	0	0	0	0	0	0	0	0	
SSW	181	41	20	13	2	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	264
	69	84	92	97	97	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SW	193	36	13	9	2	1	2	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	259
	75	88	93	97	98	98	99	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	
WSW	172	58	33	29	10	15	6	2	3	2	2	1	1	1	2	1	0	0	0	0	1	0	0	0	2	341
	50	67	77	86	89	93	95	95	96	97	97	98	98	98	99	99	99	99	99	99	99	99	99	99	100	
W	139	59	32	19	10	15	7	3	3	3	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	292
	48	68	79	85	89	94	96	97	98	99	99	99	100	100	100	100	100	100	100	100	100	0	0	0	0	
WNW	111	49	20	11	8	7	2	2	2	4	1	1	1	0	0	0	1	0	0	2	0	0	0	0	0	222
	50	72	81	86	90	93	94	95	95	97	98	98	99	99	99	99	99	99	99	100	0	0	0	0	0	
NW	88	37	26	11	9	6	4	3	3	2	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	192
	46	65	79	84	89	92	94	96	97	98	99	99	99	99	99	99	99	99	99	99	100	0	0	0	0	
NNW	96	30	14	8	5	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	157
	61	80	89	94	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	2047	742	362	218	124	92	51	36	25	21	18	9	8	7	9	4	2	1	1	3	3	0	0	0	3	3786

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
NE	25	0
NE	26	0
NE	27	1
WSW	25	1
WSW	26	0
WSW	27	1

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Table 2.3-79—{NMPNS 30 ft (9-m) Wind Direction Persistence Summary for 2004}

NMP JAN04-DEC04 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
30.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																								
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	83	33	11	7	5	0	3	2	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	148
	56	78	86	91	94	94	96	97	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NNE	100	36	14	13	7	1	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	175
	57	78	86	93	97	98	98	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
NE	87	25	11	13	7	6	3	1	1	0	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	159
	55	70	77	86	90	94	96	96	97	97	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	
ENE	80	18	12	8	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122
	66	80	90	97	98	98	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	97	34	14	4	2	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	155
	63	85	94	96	97	98	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	124	69	25	19	7	9	3	1	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	264
	47	73	83	90	92	96	97	97	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
SE	160	71	50	18	12	13	10	4	3	2	1	2	3	0	2	1	1	0	0	0	0	0	0	0	0	353
	45	65	80	85	88	92	95	96	97	97	97	98	99	99	99	100	100	0	0	0	0	0	0	0	0	
SSE	153	89	48	27	15	12	7	5	5	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	367
	42	66	79	86	90	94	96	97	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
S	135	65	50	17	8	11	10	5	5	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	313
	43	64	80	85	88	91	95	96	98	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	
SSW	152	36	22	11	2	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	228
	67	82	92	97	98	98	99	99	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	
SW	159	30	13	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	210
	76	90	96	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WSW	138	65	30	21	11	14	6	11	2	3	3	1	2	2	0	3	0	0	1	0	0	0	0	0	0	313
	44	65	74	81	85	89	91	95	95	96	97	97	98	99	99	100	100	100	100	0	0	0	0	0	0	
W	162	49	33	24	12	5	9	6	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	309
	52	68	79	87	91	92	95	97	98	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WNW	130	41	34	23	9	9	2	2	1	2	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0	259
	50	66	79	88	92	95	96	97	97	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	
NW	111	45	22	9	6	9	4	3	3	3	1	0	2	1	1	0	0	0	0	1	0	0	1	0	0	222
	50	70	80	84	87	91	93	94	95	97	97	97	98	99	99	99	99	99	99	100	100	100	100	0	0	
NNW	98	43	13	6	5	3	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	172
	57	82	90	93	96	98	98	98	98	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	100	
TOTAL	1969	749	402	225	112	95	60	44	28	26	19	12	9	4	4	5	2	0	1	1	0	0	1	0	1	3769

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
NNW	25	0
NNW	26	0
NNW	27	0
NNW	28	1

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Table 2.3-80—{NMPNS 30 ft (9-m) Wind Direction Persistence Summary for 2005}

NMP JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
30.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION PERSISTENCE (HOURS)

DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	114	50	16	11	8	5	4	3	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	213
	54	77	85	90	93	96	98	99	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	
NNE	110	49	20	18	9	2	3	1	2	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	217
	51	73	82	91	95	96	97	98	99	99	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	
NE	99	34	21	7	10	2	5	4	5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	189
	52	70	81	85	90	92	94	96	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ENE	100	21	7	4	3	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	137
	73	88	93	96	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	109	37	16	8	4	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	177
	62	82	92	96	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	148	47	25	18	4	5	3	1	3	2	2	2	0	0	1	0	1	0	0	0	0	0	0	0	1	263
	56	74	84	90	92	94	95	95	97	97	98	99	99	99	99	99	100	100	100	100	100	100	100	100	100	
SE	154	75	40	27	11	7	6	1	3	2	3	2	1	1	0	0	0	0	0	0	0	1	0	0	0	334
	46	69	81	89	92	94	96	96	97	98	99	99	99	100	100	100	100	100	100	100	100	100	0	0	0	
SSE	167	69	38	25	9	11	5	6	8	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	341
	49	69	80	88	90	94	95	97	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
S	153	51	32	20	15	4	5	2	6	1	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	293
	52	70	81	87	92	94	96	96	98	99	99	100	100	100	100	100	100	0	0	0	0	0	0	0	0	
SSW	157	43	19	5	6	2	2	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	237
	66	84	92	95	97	98	99	99	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
SW	155	44	10	4	4	2	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	222
	70	90	94	96	98	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WSW	149	71	40	22	15	10	10	4	1	1	0	1	2	0	0	0	0	0	1	1	0	0	0	0	0	328
	45	67	79	86	91	94	97	98	98	98	98	99	99	99	99	99	99	99	100	100	0	0	0	0	0	
W	160	60	25	23	14	8	7	2	1	3	1	0	0	3	0	1	0	1	0	0	0	0	0	0	0	309
	52	71	79	87	91	94	96	97	97	98	98	98	98	99	99	100	100	100	0	0	0	0	0	0	0	
WNW	116	50	33	7	15	6	7	5	2	2	1	1	0	0	0	0	0	0	1	0	0	0	0	0	1	247
	47	67	81	83	89	92	95	97	98	98	99	99	99	99	99	99	99	99	100	100	100	100	100	100	100	
NW	106	52	20	15	5	2	3	2	0	1	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	210
	50	75	85	92	94	95	97	98	98	98	99	99	99	99	99	99	99	100	100	100	0	0	0	0	0	
NNW	131	55	15	7	8	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	219
	60	85	92	95	99	99	99	99	99	99	99	99	99	100	100	100	100	100	100	100	100	100	100	100	100	
TOTAL	2128	808	377	221	140	67	62	35	34	13	13	11	6	5	2	1	3	2	2	2	0	1	0	0	3	3936

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
ESE	25	0
ESE	26	0
ESE	27	0
ESE	28	0
ESE	29	1
WNW	25	0
WNW	26	0
WNW	27	0
WNW	28	0
WNW	29	0
WNW	30	0
WNW	31	0
WNW	32	0
WNW	33	1
NNW	25	0
NNW	26	1

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Table 2.3-81—{NMPNS 30 ft (9-m) Average Wind Direction Persistence Summary for Years 2001-2005}

(Page 1 of 2)

DIRECTION	WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY																									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	89.6	37.2	14.4	9.6	6	4	2.6	2.4	0.8	0.4	1	0.2	0.2	0	0	0	0.4	0	0	0	0	0	0	0	0	168.8
	53.2	75	83.8	89.4	92.6	95.4	96.8	98	98.8	99	99.6	59.6	59.8	39.8	39.8	39.8	40	0	0	0	0	0	0	0	0	0
NNE	92.4	39	16.8	11.8	6.8	3.2	2.4	1.4	1	1	0.2	1	0	0	0.2	0	0	0	0	0	0	0	0	0	0	177.2
	52.2	74	83.8	90.2	94	96	97.4	98.2	98.8	99.2	79.4	60	20	20	20	0	0	0	0	0	0	0	0	0	0	0
NE	81.8	30	13.6	10	5.6	3.8	3.2	1.4	2	0.6	2	0.2	0.2	0.6	0.4	0.4	0	0	0	0	0	0	0	0	0.2	156
	52.4	71.8	80.2	87.2	90.4	93.2	95	95.8	97	97.4	98.8	78.8	78.8	79.2	59.6	39.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	20	0
ENE	86.6	21.2	10.2	4.6	1.4	1	0	0.4	0.2	0.2	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	126
	68.6	85.4	93.4	97.2	98.6	79	59	59.4	59.6	39.8	19.8	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	95.4	32	12	6	3	0.8	0.8	0.2	0.2	0	0	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	150.8
	63.8	84.8	92.8	96.4	98	98.8	79.4	59.6	39.6	39.6	39.6	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	135.6	57.2	22.4	15	7.4	4.2	3	2	1.8	1.8	1.6	1.2	0.4	0	0.8	0	0.2	0.2	0.2	0	0	0	0	0	0.4	255.4
	53.2	75.4	84.4	90	92.8	94.8	95.8	96.4	97.6	97.8	98.6	99.2	79.4	59.4	59.6	59.6	59.8	60	60	40	40	40	40	40	40	0
SE	146.2	73	41.8	22.8	14.8	11.4	6.6	4	3.2	3.2	3.4	1.4	1.8	1.2	1.2	0.6	0.2	0.4	0	0.4	0	0.4	0	0	0.2	338.2
	43	64.8	77.4	84	88.4	91.6	93.8	94.8	96	96.8	97.8	98	98.6	99	99.4	99.8	99.8	79.8	59.8	59.8	39.8	40	20	20	20	0
SSE	161.8	74.4	40.8	24.2	15.2	8.8	5.2	5.4	4.2	1.6	1.2	1	1	0.6	0	0	0.4	0	0	0	0	0	0	0	0	345.8
	47	68.4	80	87.2	91.4	94	95.6	97	98.2	98.8	99	99.4	99.6	60	40	40	40	0	0	0	0	0	0	0	0	0
S	142.6	60	37.4	18	13.4	8.8	6.4	4.6	3.6	1.8	2.4	2.2	1.2	0.8	0.6	0.6	0.2	0	0	0	0.2	0.2	0	0	0	305
	46.8	66.6	78.8	84.4	89	92	94	95.2	96.6	97.4	98	98.6	99.2	99.4	79.8	79.8	39.8	19.8	19.8	19.8	20	20	0	0	0	0
SSW	160.8	43.4	17.8	9.6	4.6	1.8	2.8	0.8	0.6	0.2	0.2	0.2	0.2	0	0	0	0.2	0	0	0	0	0.2	0	0	0	243.4
	66	83.6	91	95.4	97	97.6	99	99.2	79.8	79.8	80	80	60	40	40	40	40	20	20	20	20	20	0	0	0	0
SW	168.4	38.4	13.4	8	3.4	1.8	1	1	0.6	0.2	0	0.4	0	0.2	0	0	0	0	0	0	0	0	0	0	0	236.8
	71.4	87.4	92.8	96.6	97.8	78.6	79.2	79.6	79.8	59.8	39.8	40	20	20	0	0	0	0	0	0	0	0	0	0	0	0
WSW	154.6	66.4	33.4	24	13.8	12.2	6.2	4.8	2.2	2.6	1.6	1.4	2	0.8	0.4	0.8	0.2	0.2	0.4	0.2	0.4	0	0	0	0.8	329.4

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Table 2.3-81—{NMPNS 30 ft (9-m) Average Wind Direction Persistence Summary for Years 2001-2005}

(Page 2 of 2)

DIRECTION	WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY																									
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**GT.24**	**TOTAL**
	46.8	67	77	84.6	89	92.4	94.2	95.8	96.4	97	97.6	98.2	98.8	99	99.2	99.4	99.4	99.4	99.6	79.6	59.8	59.8	59.8	59.8	60	0
W	155.4	59.6	32.8	21.2	12	10.6	8	4	3	4.2	0.8	1.2	0.8	1	0.2	0.4	0.2	0.2	0	0	0.2	0	0	0	0	315.8
	49.2	68	78.4	85.2	89.2	92.4	94.8	96.2	97	98.4	98.4	79	79.2	79.6	79.8	80	60	40	20	20	20	0	0	0	0	0
WNW	121.6	48.4	29.6	16	10.6	7.4	4.8	2.8	1	2.4	2.6	0.8	0.4	0	0.4	0	0.2	0	0.2	0.4	0	0	0	0	0.2	249.8
	48.6	68.2	80	86.2	90.6	93.6	95.6	96.6	96.8	97.8	99.2	99.4	99.6	79.6	79.6	39.6	39.6	39.6	39.8	40	20	20	20	20	20	0
NW	102.8	45	21.2	11.2	6.6	5	3.8	3.2	1.6	2.2	1	0.4	0.8	0.2	0.4	0.2	0	0.4	0	0.4	0.2	0	0.2	0	0	206.8
	49.6	71.2	81.8	87	90.2	92.8	94.6	96.2	97	98	98.6	98.8	99.2	99.4	99.4	99.4	79.4	79.6	59.6	59.8	40	20	20	0	0	0
NNW	103.6	38.4	13.2	6.8	5.4	1.6	0.8	0.4	0.2	0.4	0.2	0.2	0.2	0.4	0.2	0	0	0	0	0	0	0	0	0	0.4	172.4
	60.2	82.2	90	93.8	97	98.2	98.6	98.8	78.8	79	79	79.2	79.2	79.6	59.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	40	0
TOTAL	**1999.2**	**763.6**	**370.8**	**218.8**	**130**	**86.4**	**57.6**	**38.8**	**26.2**	**22.8**	**18.2**	**12.4**	**9.2**	**5.8**	**4.8**	**3**	**2.2**	**1.4**	**0.8**	**1.4**	**1**	**0.8**	**0.2**	**0**	**2.2**	**3777.6**

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Table 2.3-82—{NMPNS 100 ft (30-m) Wind Direction Persistence Summary for 2001}

NMP JAN01-DEC01 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
100.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																								
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	93	29	14	15	4	9	2	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	169
	55	72	80	89	92	97	98	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	
NNE	93	33	17	8	6	6	5	3	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	175
	53	72	82	86	90	93	96	98	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
NE	63	31	14	11	5	2	2	2	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	132
	48	71	82	90	94	95	97	98	98	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	
ENE	68	20	3	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97
	70	91	94	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	71	22	11	1	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109
	65	85	95	96	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	102	38	13	4	4	2	1	1	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	172
	59	81	89	91	94	95	95	96	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
SE	108	52	23	21	7	14	3	1	9	5	8	5	1	2	1	0	0	0	0	1	0	0	1	0	2	264
	41	61	69	77	80	85	86	87	90	92	95	97	97	98	98	98	98	98	98	99	99	99	99	99	100	
SSE	114	74	43	24	17	9	4	3	5	3	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0	303
	38	62	76	84	90	93	94	95	97	98	98	98	99	99	100	100	0	0	0	0	0	0	0	0	0	
S	120	64	27	18	25	11	4	7	2	1	2	2	1	0	0	1	0	1	0	0	0	0	0	0	0	286
	42	64	74	80	89	93	94	97	97	98	98	99	99	99	99	100	100	100	0	0	0	0	0	0	0	
SSW	162	44	23	10	5	4	2	1	0	2	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	256
	63	80	89	93	95	97	98	98	98	99	99	99	100	100	100	100	100	100	100	100	100	100	0	0	0	
SW	184	39	16	12	6	3	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	264
	70	84	91	95	97	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WSW	153	79	37	26	16	13	5	7	6	6	2	3	3	3	0	0	0	0	0	0	1	1	0	0	1	362
	42	64	74	81	86	90	91	93	94	96	97	98	98	99	99	99	99	99	99	99	99	100	100	100	100	
W	160	62	38	22	12	9	8	5	5	3	0	3	1	1	0	1	0	0	0	0	0	0	0	0	0	330
	48	67	79	85	89	92	94	96	97	98	98	99	99	100	100	100	0	0	0	0	0	0	0	0	0	
WNW	118	51	30	15	6	5	5	3	0	2	3	1	0	0	3	0	0	0	0	0	0	0	0	0	0	242
	49	70	82	88	91	93	95	96	96	97	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	
NW	100	47	19	10	4	4	5	3	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	200
	50	74	83	88	90	92	95	96	98	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
NNW	102	35	17	8	3	4	1	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	174
	59	79	89	93	95	97	98	98	99	99	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	
TOTAL	1811	720	345	210	121	98	49	40	34	27	23	19	9	9	6	3	1	2	0	1	1	2	1	0	3	3535

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
SE	25	0
SE	26	0
SE	27	0
SE	28	0
SE	29	0
SE	30	0
SE	31	0
SE	32	1
SE	33	0
SE	34	1
WSW	25	0
WSW	26	0
WSW	27	0
WSW	28	0
WSW	29	0
WSW	30	0
WSW	31	0
WSW	32	0
WSW	33	0
WSW	34	0
WSW	35	0
WSW	36	0
WSW	37	0
WSW	38	0
WSW	39	0
WSW	40	1

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Table 2.3-83—{NMPNS 100 ft (30-m) Wind Direction Persistence Summary for 2002}

NMP JAN02-DEC02 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
100.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																								
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	99	30	18	10	8	7	3	3	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	181
	55	71	81	87	91	95	97	98	98	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	
NNE	92	33	15	17	4	6	6	3	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	182
	51	69	77	86	88	92	95	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NE	75	31	16	6	7	5	0	3	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	147
	51	72	83	87	92	95	95	97	98	98	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	
ENE	81	23	10	6	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122
	66	85	93	98	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	78	27	6	2	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117
	67	90	95	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	92	41	19	8	7	5	2	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	180
	51	74	84	89	93	96	97	98	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	100	
SE	88	54	33	18	12	8	4	5	6	3	5	2	1	1	1	0	0	3	0	0	0	0	0	0	0	244
	36	58	72	79	84	87	89	91	93	95	97	98	98	98	99	99	99	100	0	0	0	0	0	0	0	
SSE	135	55	35	19	17	15	8	5	6	1	1	1	0	0	1	0	0	0	0	0	1	0	0	0	0	300
	45	63	75	81	87	92	95	96	98	99	99	99	99	99	100	100	100	100	100	100	100	0	0	0	0	
S	125	71	43	19	16	7	5	4	5	2	5	1	1	0	2	1	0	0	0	0	1	0	0	0	0	308
	41	64	78	84	89	91	93	94	96	96	98	98	99	99	99	100	100	100	100	100	100	0	0	0	0	
SSW	150	58	29	13	4	2	4	3	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	268
	56	78	88	93	95	96	97	98	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
SW	167	53	19	10	3	4	1	1	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	262
	64	84	91	95	96	98	98	98	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
WSW	138	67	35	29	20	13	7	6	6	4	3	0	2	2	1	0	0	2	1	0	0	0	0	0	1	337
	41	61	71	80	86	90	92	93	95	96	97	97	98	99	99	99	99	99	100	100	100	100	100	100	100	
W	156	56	34	25	14	10	5	1	6	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	316
	49	67	78	86	90	93	95	95	97	98	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
WNW	134	50	27	26	8	7	4	0	0	5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	262
	51	70	81	90	94	96	98	98	98	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
NW	108	39	19	9	8	7	2	4	1	1	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	202
	53	73	82	87	91	94	95	97	98	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	
NNW	75	42	13	9	6	4	0	0	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	153
	49	76	85	91	95	97	97	97	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	
TOTAL	1793	730	371	226	137	100	53	42	45	23	22	8	6	5	8	1	1	5	1	0	2	0	0	0	2	3581

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
ESE	25	0
ESE	26	0
ESE	27	0
ESE	28	0
ESE	29	0
ESE	30	0
ESE	31	0
ESE	32	1
WSW	25	0
WSW	26	0
WSW	27	0
WSW	28	0
WSW	29	0
WSW	30	0
WSW	31	0
WSW	32	0
WSW	33	0
WSW	34	0
WSW	35	0
WSW	36	0
WSW	37	1

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Table 2.3-84—{NMPNS 100 ft (30-m) Wind Direction Persistence Summary for 2003}

NMP JAN03-DEC03 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
100.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																								
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	89	29	21	6	4	4	2	4	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	163
	55	72	85	89	91	94	95	98	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
NNE	93	41	17	8	9	6	3	0	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	181
	51	74	83	88	93	96	98	98	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
NE	55	31	12	12	6	5	2	3	1	1	0	0	4	0	0	0	0	1	0	0	2	0	0	0	0	135
	41	64	73	81	86	90	91	93	94	95	95	95	98	98	98	98	98	99	99	99	100	0	0	0	0	
ENE	88	37	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136
	65	92	98	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	93	42	17	5	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	161
	58	84	94	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	122	47	18	11	6	5	4	4	1	3	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	225
	54	75	83	88	91	93	95	96	97	98	99	99	99	99	99	99	99	99	100	100	100	0	0	0	0	
SE	101	66	35	21	14	13	9	5	5	4	2	4	0	2	2	0	2	2	0	1	0	0	0	0	0	288
	35	58	70	77	82	87	90	92	93	95	95	97	97	98	98	98	99	100	100	100	0	0	0	0	0	
SSE	112	58	32	18	17	9	5	5	5	2	2	1	1	2	0	0	0	0	1	0	0	0	0	0	0	270
	41	63	75	81	88	91	93	95	97	97	98	99	99	100	100	100	100	100	100	0	0	0	0	0	0	
S	129	43	31	15	15	9	4	6	1	2	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	259
	50	66	78	84	90	93	95	97	98	98	98	98	100	100	100	100	0	0	0	0	0	0	0	0	0	
SSW	165	43	28	14	9	2	6	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	273
	60	76	86	92	95	96	98	99	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	
SW	195	51	12	5	3	4	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	273
	71	90	95	96	97	99	99	99	99	99	99	99	99	100	100	100	100	100	100	100	100	100	0	0	0	
WSW	151	59	40	24	13	15	6	9	4	2	3	2	3	1	2	1	1	0	1	0	1	0	1	0	2	341
	44	62	73	80	84	89	90	93	94	95	96	96	97	97	98	98	99	99	99	99	99	99	99	99	100	
W	160	47	34	14	12	9	5	1	2	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	288
	56	72	84	89	93	96	98	98	99	99	99	99	100	100	100	100	100	100	100	0	0	0	0	0	0	
WNW	130	38	19	15	4	3	1	2	3	4	1	1	1	0	1	0	1	0	0	1	0	0	0	0	0	225
	58	75	83	90	92	93	93	94	96	97	98	98	99	99	99	99	100	100	100	100	0	0	0	0	0	
NW	106	37	24	11	7	5	4	3	4	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	205
	52	70	81	87	90	93	95	96	98	98	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	
NNW	102	36	16	8	6	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	172
	59	80	90	94	98	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1891	705	364	190	127	91	53	48	29	21	14	10	14	7	8	2	4	3	4	2	4	1	1	0	2	3595

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
WSW	25	0
WSW	26	0
WSW	27	0
WSW	28	0
WSW	29	0
WSW	30	0
WSW	31	1
WSW	32	1

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Table 2.3-85—{NMPNS 100 ft (30-m) Wind Direction Persistence Summary for 2004}

NMP JAN04-DEC04 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
100.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																								
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	81	35	18	8	5	3	1	2	1	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	158
	51	73	85	90	93	95	96	97	97	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
NNE	94	38	20	12	5	1	2	2	0	2	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	179
	53	74	85	92	94	95	96	97	97	98	99	99	99	99	99	99	99	99	99	100	0	0	0	0	0	
NE	95	41	11	7	8	7	0	0	0	1	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	174
	55	78	84	89	93	97	97	97	97	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	
ENE	75	21	11	8	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117
	64	82	91	98	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	100	30	14	7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	153
	65	85	94	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	108	63	21	12	8	4	1	2	1	2	0	1	2	0	1	0	0	0	0	0	0	0	0	0	0	226
	48	76	85	90	94	96	96	97	97	98	98	99	100	100	100	0	0	0	0	0	0	0	0	0	0	
SE	102	41	39	24	8	10	8	6	3	9	2	0	2	0	1	0	0	3	0	0	0	0	0	0	1	259
	39	55	70	80	83	86	90	92	93	97	97	97	98	98	98	98	98	100	100	100	100	100	100	100	100	
SSE	111	61	37	24	20	12	10	8	7	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	295
	38	58	71	79	86	90	93	96	98	99	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	
S	133	58	45	11	13	6	11	3	7	3	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	296
	45	65	80	83	88	90	94	95	97	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	
SSW	148	47	18	21	1	5	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	243
	61	80	88	96	97	99	99	99	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
SW	165	49	12	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	238
	69	90	95	98	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WSW	131	51	23	29	17	14	10	10	3	1	4	3	1	2	0	3	0	1	2	0	1	0	0	0	1	307
	43	59	67	76	82	86	90	93	94	94	95	96	97	97	97	98	98	99	99	99	100	100	100	100	100	
W	160	55	42	21	8	6	10	4	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	312
	51	69	82	89	92	94	97	98	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WNW	135	47	24	17	11	10	2	0	0	1	3	3	1	1	0	0	1	0	0	0	0	0	0	0	0	256
	53	71	80	87	91	95	96	96	96	96	98	99	99	100	100	100	100	0	0	0	0	0	0	0	0	
NW	100	47	23	12	8	4	4	2	5	0	3	1	2	0	0	0	0	0	0	0	1	0	1	0	0	213
	47	69	80	85	89	91	93	94	96	96	98	98	99	99	99	99	99	99	99	99	100	100	100	0	0	
NNW	96	48	20	7	5	3	2	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	186
	52	77	88	92	95	96	97	97	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	100	
TOTAL	1834	732	378	228	122	85	64	39	35	25	22	10	12	6	3	3	1	4	2	1	2	0	1	0	3	3612

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
SE	25	1
WSW	25	0
WSW	26	0
WSW	27	0
WSW	28	0
WSW	29	0
WSW	30	0
WSW	31	0
WSW	32	0
WSW	33	1
NNW	25	0
NNW	26	0
NNW	27	0
NNW	28	1

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Table 2.3-86—{NMPNS 100 ft (30-m) Wind Direction Persistence Summary for 2005}

NMP JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
100.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																								
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	124	59	20	10	6	4	4	5	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	234
	53	78	87	91	94	95	97	99	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	
NNE	125	48	24	13	8	5	3	5	2	1	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	238
	53	73	83	88	92	94	95	97	98	98	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	
NE	116	36	20	9	5	3	3	5	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	203
	57	75	85	89	92	93	95	97	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ENE	105	28	6	6	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149
	70	89	93	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	96	40	11	7	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	158
	61	86	93	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	119	52	17	11	3	6	2	1	3	4	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	220
	54	78	85	90	92	95	95	96	97	99	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	
SE	147	43	22	11	9	7	7	4	2	2	3	1	1	2	0	1	1	0	1	0	1	1	0	0	0	266
	55	71	80	84	87	90	92	94	95	95	97	97	97	98	98	98	99	99	99	99	100	100	0	0	0	
SSE	139	51	33	19	14	9	6	3	6	2	2	1	1	1	0	0	0	0	1	0	0	0	0	0	0	288
	48	66	77	84	89	92	94	95	97	98	99	99	99	100	100	100	100	100	100	0	0	0	0	0	0	
S	139	49	32	11	19	11	4	2	4	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	275
	51	68	80	84	91	95	96	97	99	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	
SSW	142	55	22	10	8	3	2	2	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	248
	57	79	88	92	96	97	98	98	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
SW	157	39	18	7	1	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	228
	69	86	94	97	97	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WSW	134	61	45	22	17	9	9	6	1	1	3	1	1	0	0	0	1	0	1	1	0	0	0	0	2	315
	43	62	76	83	89	91	94	96	97	97	98	98	98	98	98	98	99	99	99	99	99	99	99	99	100	
W	150	69	33	22	16	4	8	2	2	3	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	313
	48	70	81	88	93	94	96	97	98	99	99	99	99	99	100	100	100	100	100	0	0	0	0	0	0	
WNW	122	40	23	11	11	10	5	6	4	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	236
	52	69	78	83	88	92	94	97	98	99	99	99	99	99	99	99	100	100	0	0	0	0	0	0	0	
NW	132	50	25	14	6	3	4	2	0	2	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	240
	55	76	86	92	95	96	98	98	98	99	99	99	100	100	100	100	100	100	100	100	100	0	0	0	0	
NNW	145	42	26	11	5	4	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	238
	61	79	89	94	96	98	99	99	99	99	99	99	99	99	100	100	100	100	100	100	100	100	100	100	100	
TOTAL	2092	762	377	194	134	81	63	44	31	20	11	7	5	5	4	2	4	1	4	1	3	1	0	0	3	3849

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
WSW	25	0
WSW	26	0
WSW	27	0
WSW	28	0
WSW	29	0
WSW	30	0
WSW	31	0
WSW	32	0
WSW	33	0
WSW	34	1
WSW	35	0
WSW	36	0
WSW	37	0
WSW	38	0
WSW	39	0
WSW	40	1
NNW	25	1

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Table 2.3-87—{NMPNS 100 ft (30-m) Average Wind Direction Persistence Summary for Years 2001-2005}

(Page 1 of 2)

	WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY																									
DIRECTION	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**GT.24**	**TOTAL**
N	97.2	36.4	18.2	9.8	5.4	5.4	2.4	3	0.4	0.4	1	0.4	0.4	0.2	0	0	0.2	0	0	0	0.2	0	0	0	0	181
	53.8	73.2	83.6	89.2	92.2	95.2	96.6	98.2	98.4	98.8	99.2	99.4	79.6	59.8	39.8	39.8	40	20	20	20	20	0	0	0	0	0
NNE	99.4	38.6	18.6	11.6	6.4	4.8	3.8	2.6	1.6	1	0.8	0.8	0.4	0.2	0.2	0	0	0	0	0.2	0	0	0	0	0	191
	52.2	72.4	82	88	91.4	94	96	97.4	98.2	98.4	99	79.4	59.6	39.8	39.8	19.8	19.8	19.8	19.8	20	0	0	0	0	0	0
NE	80.8	34	14.6	9	6.2	4.4	1.4	2.6	1.2	0.8	1	0	0.8	0.4	0.2	0	0.2	0.2	0	0	0.4	0	0	0	0	158.2
	50.4	72	81.4	87.2	91.4	94	95	96.4	97.2	98	98.4	78.4	79	79.2	59.4	39.4	39.6	19.8	19.8	19.8	20	0	0	0	0	0
ENE	83.4	25.8	7.6	5.6	0.8	0.2	0.4	0.2	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124.2
	67	87.8	93.8	98.4	79	79.2	59.6	39.8	19.8	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	87.6	32.2	11.8	4.4	1.8	0.6	0.8	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	139.6
	63.2	86	94.2	97.4	98.6	99	99.6	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	108.6	48.2	17.6	9.2	5.6	4.4	2	2.2	1.8	2.4	0.4	0.4	0.4	0	0.6	0	0.2	0	0.2	0	0.2	0	0	0	0.2	204.6
	53.2	76.8	85.2	89.6	92.8	95	95.6	96.6	97.6	98.6	98.8	99.2	79.4	79.4	79.6	59.6	59.6	39.6	39.8	39.8	39.8	19.8	19.8	19.8	20	0
SE	109.2	51.2	30.4	19	10	10.4	6.2	4.2	5	4.6	4	2.4	1	1.4	1	0.2	0.6	1.6	0.2	0.4	0.2	0.2	0.2	0	0.6	264.2
	41.2	60.6	72.2	79.4	83.2	87	89.4	91.2	92.8	94.8	96.2	97.2	97.4	98	98.2	98.2	98.6	99.4	79.4	79.6	59.8	59.8	39.8	39.8	40	0
SSE	122.2	59.8	36	20.8	17	10.8	6.6	4.8	5.8	1.8	1.4	1	0.6	1.2	0.6	0.2	0	0	0.4	0	0.2	0	0	0	0	291.2
	42	62.4	74.8	81.8	88	91.6	93.8	95.4	97.4	98.2	98.6	98.8	99	99.6	100	80	60	60	60	20	20	0	0	0	0	0
S	129.2	57	35.6	14.8	17.6	8.8	5.6	4.4	3.8	1.8	2.2	0.8	1.4	0.4	0.4	0.6	0	0.2	0	0	0.2	0	0	0	0	284.8
	45.8	65.4	78	83	89.4	92.4	94.4	96	97.4	97.8	98.4	98.6	99.6	99.6	59.6	60	40	40	20	20	20	0	0	0	0	0
SSW	153.4	49.4	24	13.6	5.4	3.2	3	2	1.4	0.8	0.2	0.2	0.6	0.2	0	0	0	0	0	0	0	0.2	0	0	0	257.6
	59.4	78.6	87.8	93.2	95.6	97	98	98.4	99.2	99.8	99.8	99.8	80	40	20	20	20	20	20	20	20	20	0	0	0	0
SW	173.6	46.2	15.4	8.4	3.4	2.8	1.2	0.4	0.6	0.2	0.2	0.2	0	0.2	0	0	0	0	0	0	0	0.2	0	0	0	253
	68.6	86.8	93.2	96.2	97.4	78.8	79.2	79.4	79.8	79.8	59.8	39.8	19.8	20	20	20	20	20	20	20	20	20	0	0	0	0
WSW	141.4	63.4	36	26	16.6	12.8	7.4	7.6	4	2.8	3	1.8	2	1.6	0.6	0.8	0.4	0.6	1	0.2	0.6	0.2	0.2	0	1.4	332.4

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Table 2.3-87—{NMPNS 100 ft (30-m) Average Wind Direction Persistence Summary for Years 2001-2005}

(Page 2 of 2)

	WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY																									
DIRECTION	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**GT.24**	**TOTAL**
	42.6	61.6	72.2	80	85.4	89.2	91.4	93.6	94.8	95.6	96.6	97	97.6	98	98.2	98.4	98.8	99	99.2	99.2	99.4	99.6	99.6	99.6	100	0
W	157.2	57.8	36.2	20.8	12.4	7.6	7.2	2.6	4	2.4	1	1.2	0.4	0.2	0.2	0.2	0	0	0.4	0	0	0	0	0	0	311.8
	50.4	69	80.8	87.4	91.4	93.8	96	96.8	98.2	98.8	79.2	79.4	59.6	59.8	60	60	40	40	40	0	0	0	0	0	0	0
WNW	127.8	45.2	24.6	16.8	8	7	3.4	2.2	1.4	2.6	1.4	1	0.6	0.2	0.8	0.2	0.6	0.2	0	0.2	0	0	0	0	0	244.2
	52.6	71	80.8	87.6	91.2	93.8	95.2	96.2	96.8	97.8	98.6	99	99.2	79.4	79.6	59.6	60	40	20	20	0	0	0	0	0	0
NW	109.2	44	22	11.2	6.6	4.6	3.8	2.8	2.6	1	1.8	0.6	0.6	0	0.6	0	0	0	0	0	0.4	0	0.2	0	0	212
	51.4	72.4	82.4	87.8	91	93.2	95.2	96.2	97.6	98	99	99.2	79.6	79.6	79.8	39.8	39.8	39.8	39.8	39.8	40	20	20	0	0	0
NNW	104	40.6	18.4	8.6	5	3.2	1.2	0.6	1.2	0.4	0	0	0	0.2	0.6	0	0	0.2	0	0	0	0	0	0	0.4	184.6
	56	78.2	88.2	92.8	95.8	97.2	98	98	99	99.2	79.2	79.2	79.2	79.2	79.6	59.6	59.6	59.8	39.8	39.8	39.8	39.8	39.8	39.8	40	0
TOTAL	**1884.2**	**729.8**	**367**	**209.6**	**128.2**	**91**	**56.4**	**42.6**	**34.8**	**23.2**	**18.4**	**10.8**	**9.2**	**6.4**	**5.8**	**2.2**	**2.2**	**3**	**2.2**	**1**	**2.4**	**0.8**	**0.6**	**0**	**2.6**	**3634.4**

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Table 2.3-88—{NMPNS 200 ft (61-m) Wind Direction Persistence Summary for 2001}

NMP JAN01-DEC01 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																								
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	89	38	14	14	7	10	2	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	177
	50	72	80	88	92	97	98	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	
NNE	89	35	14	10	8	5	5	2	0	0	1	1	2	0	1	1	0	0	0	0	0	0	0	0	0	174
	51	71	79	85	90	93	95	97	97	97	97	98	99	99	99	100	0	0	0	0	0	0	0	0	0	
NE	85	25	15	7	5	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145
	59	76	86	91	94	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ENE	71	17	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95
	75	93	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	77	9	9	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
	77	86	95	96	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	86	32	10	2	3	2	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140
	61	84	91	93	95	96	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SE	89	48	20	16	10	12	6	6	6	2	1	1	3	2	1	1	1	2	1	0	0	0	1	0	1	230
	39	60	68	75	80	85	87	90	93	93	94	94	96	97	97	97	98	99	99	99	99	99	100	100	100	
SSE	114	56	32	22	12	9	8	2	5	3	1	1	1	1	0	2	0	0	0	0	1	0	0	0	0	270
	42	63	75	83	87	91	94	94	96	97	98	98	99	99	99	100	100	100	100	100	100	0	0	0	0	
S	101	54	20	21	11	7	6	12	6	5	0	0	1	1	1	0	1	1	1	1	0	0	0	0	0	250
	40	62	70	78	83	86	88	93	95	97	97	97	98	98	98	98	99	99	100	100	0	0	0	0	0	
SSW	128	47	29	11	8	4	4	4	1	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	240
	53	73	85	90	93	95	96	98	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	
SW	170	51	21	13	5	2	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	267
	64	83	91	96	97	98	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WSW	153	72	45	32	20	10	9	8	5	4	3	1	1	2	2	0	0	0	1	0	1	0	0	0	1	370
	41	61	73	82	87	90	92	94	96	97	98	98	98	99	99	99	99	99	99	99	100	100	100	100	100	
W	154	80	41	24	13	11	11	5	8	3	2	2	2	1	0	1	0	0	0	0	0	0	0	0	0	358
	43	65	77	84	87	90	93	95	97	98	98	99	99	100	100	100	0	0	0	0	0	0	0	0	0	
WNW	121	52	36	13	13	3	3	5	0	1	6	0	0	0	1	1	0	0	0	0	0	0	0	0	0	255
	47	68	82	87	92	93	95	96	96	97	99	99	99	99	100	100	0	0	0	0	0	0	0	0	0	
NW	90	46	20	9	6	5	5	1	2	3	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	191
	47	71	82	86	90	92	95	95	96	98	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	
NNW	101	41	26	7	2	2	0	1	1	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	184
	55	77	91	95	96	97	97	98	98	98	99	99	99	99	99	99	99	99	99	100	0	0	0	0	0	
TOTAL	1718	703	358	203	125	86	67	50	37	24	19	7	11	8	8	6	2	4	3	2	2	0	1	0	2	3446

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
SE	25	0
SE	26	0
SE	27	0
SE	28	0
SE	29	0
SE	30	0
SE	31	1
WSW	25	0
WSW	26	1

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Table 2.3-89—{NMPNS 200 ft (61-m) Wind Direction Persistence Summary for 2002}

NMP JAN02-DEC02 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																								
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	100	28	24	10	6	4	5	4	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	184
	54	70	83	88	91	93	96	98	98	98	98	98	99	99	99	99	100	0	0	0	0	0	0	0	0	
NNE	89	35	10	14	12	6	9	3	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	184
	48	67	73	80	87	90	95	97	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NE	80	45	9	7	5	5	4	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	159
	50	79	84	89	92	95	97	98	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	
ENE	63	26	7	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99
	64	90	97	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	76	20	5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107
	71	90	94	97	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	79	31	17	8	3	1	3	1	2	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	147
	54	75	86	92	94	95	97	97	99	99	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	
SE	93	46	18	15	8	6	9	4	5	6	1	2	0	1	1	2	0	0	1	0	0	0	0	0	0	218
	43	64	72	79	83	85	89	91	94	96	97	98	98	98	99	100	100	100	100	0	0	0	0	0	0	
SSE	104	50	30	20	15	8	11	8	6	1	3	2	1	1	0	1	0	1	0	0	0	0	0	0	0	262
	40	59	70	78	84	87	91	94	96	97	98	98	99	99	99	100	100	100	0	0	0	0	0	0	0	
S	111	71	34	18	12	5	6	4	2	3	3	2	1	1	1	1	1	0	0	1	0	0	1	0	0	278
	40	65	78	84	88	90	92	94	95	96	97	97	98	98	99	99	99	99	99	100	100	100	100	0	0	
SSW	133	61	38	15	9	6	3	4	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	274
	49	71	85	90	93	96	97	98	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
SW	158	61	23	9	5	6	2	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	270
	59	81	90	93	95	97	98	98	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WSW	157	73	44	39	19	16	7	6	8	0	0	2	2	2	0	0	1	0	0	0	0	0	0	0	0	376
	42	61	73	83	88	93	94	96	98	98	98	99	99	100	100	100	100	0	0	0	0	0	0	0	0	
W	170	73	42	30	14	12	6	1	3	3	5	2	0	0	1	0	1	0	0	0	0	0	0	0	0	363
	47	67	79	87	91	94	96	96	97	98	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	
WNW	133	46	33	22	8	7	4	1	0	4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	260
	51	69	82	90	93	96	97	98	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	
NW	112	41	18	11	13	4	4	3	1	1	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	212
	53	72	81	86	92	94	96	97	98	98	99	99	100	100	100	100	0	0	0	0	0	0	0	0	0	
NNW	79	42	13	8	9	3	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	158
	50	77	85	90	96	97	98	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	
TOTAL	1737	749	365	231	142	89	74	42	36	23	19	11	7	8	4	5	4	2	1	1	0	0	1	0	0	3551

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Table 2.3-90—{NMPNS 200 ft (61-m) Wind Direction Persistence Summary for 2003}

NMP JAN03-DEC03 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																									
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	89	24	13	6	8	4	3	4	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	156
	57	72	81	85	90	92	94	97	97	97	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
NNE	84	53	18	10	6	8	6	0	1	2	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0	192
	44	71	81	86	89	93	96	96	97	98	98	99	99	99	99	99	99	99	99	99	99	100	0	0	0	
NE	95	28	16	5	5	5	3	2	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	162
	59	76	86	89	92	95	97	98	98	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	
ENE	100	30	10	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144
	69	90	97	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	82	24	9	4	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123
	67	86	93	97	98	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	103	40	7	9	4	4	6	2	1	2	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	181
	57	79	83	88	90	92	96	97	97	98	98	99	99	99	99	99	99	99	99	99	99	100	0	0	0	
SE	76	49	29	24	13	5	7	10	7	5	1	4	3	2	1	1	0	1	1	0	0	0	0	0	1	240
	32	52	64	74	80	82	85	89	92	94	94	96	97	98	98	99	99	99	100	100	100	100	100	100	100	
SSE	100	55	31	20	13	8	5	9	5	2	0	0	1	0	1	2	0	0	1	0	0	0	0	0	0	253
	40	61	74	81	87	90	92	95	97	98	98	98	98	98	99	100	100	100	100	0	0	0	0	0	0	
S	104	47	36	16	9	7	3	5	1	2	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	234
	44	65	80	87	91	94	95	97	97	98	99	100	100	100	100	100	0	0	0	0	0	0	0	0	0	
SSW	155	44	25	12	4	3	3	0	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	252
	62	79	89	94	95	96	98	98	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
SW	162	50	24	11	5	6	2	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	265
	61	80	89	93	95	97	98	98	98	98	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	
WSW	155	62	43	17	9	20	10	9	5	1	2	1	1	1	1	0	1	1	0	0	0	0	1	0	2	342
	45	63	76	81	84	89	92	95	96	97	97	98	98	98	99	99	99	99	99	99	99	99	99	99	100	
W	163	75	39	15	14	13	5	5	0	2	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	333
	49	71	83	88	92	96	97	99	99	99	99	99	100	100	100	100	100	100	100	0	0	0	0	0	0	
WNW	145	42	28	14	4	4	3	1	1	4	3	0	0	1	0	0	0	0	0	1	0	0	0	0	0	251
	58	75	86	91	93	94	96	96	96	98	99	99	99	100	100	100	100	100	100	100	0	0	0	0	0	
NW	85	41	20	15	7	3	3	5	2	1	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	186
	46	68	78	87	90	92	94	96	97	98	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	
NNW	100	28	19	6	5	2	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164
	61	78	90	93	96	98	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1798	692	367	185	109	93	62	53	27	25	17	12	8	5	7	4	2	2	3	1	0	2	1	0	3	3478

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
SE	25	0
SE	26	0
SE	27	0
SE	28	1
WSW	25	0
WSW	26	0
WSW	27	0
WSW	28	0
WSW	29	0
WSW	30	0
WSW	31	1
WSW	32	0
WSW	33	0
WSW	34	0
WSW	35	0
WSW	36	0
WSW	37	0
WSW	38	0
WSW	39	0
WSW	40	0
WSW	41	0
WSW	42	0
WSW	43	1

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Table 2.3-91—{NMPNS 200 ft (61-m) Wind Direction Persistence Summary for 2004}

NMP JAN04-DEC04 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																								
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	86	36	20	8	5	3	3	1	2	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	168
	51	73	85	89	92	94	96	96	98	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	
NNE	94	33	17	18	3	1	3	1	3	2	2	2	0	1	0	0	0	1	0	0	0	1	0	0	0	182
	52	70	79	89	91	91	93	93	95	96	97	98	98	99	99	99	99	99	99	99	99	100	0	0	0	
NE	96	30	10	11	4	1	0	1	1	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	158
	61	80	86	93	96	96	96	97	97	97	97	98	99	99	99	100	0	0	0	0	0	0	0	0	0	
ENE	72	23	7	3	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109
	66	87	94	96	98	98	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	87	27	8	10	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134
	65	85	91	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	106	38	16	4	9	2	2	4	0	0	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	185
	57	78	86	89	94	95	96	98	98	98	98	98	99	99	99	99	99	99	100	0	0	0	0	0	0	
SE	92	42	27	17	9	13	3	5	4	5	3	4	0	2	0	0	1	1	1	0	1	0	0	0	1	231
	40	58	70	77	81	87	88	90	92	94	95	97	97	98	98	98	98	99	99	99	100	100	100	100	100	
SSE	89	44	35	30	18	12	8	6	2	1	1	3	1	1	0	0	0	0	0	0	0	1	0	1	0	253
	35	53	66	78	85	90	93	96	96	97	97	98	99	99	99	99	99	99	99	99	99	100	100	100	0	
S	104	55	27	23	15	13	8	4	4	4	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	262
	40	61	71	80	85	90	94	95	97	98	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	
SSW	150	46	23	10	6	2	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	240
	63	82	91	95	98	99	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SW	146	45	24	5	11	1	3	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	239
	61	80	90	92	97	97	98	99	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	
WSW	153	66	37	24	14	12	9	4	5	5	1	2	6	2	1	1	0	1	0	0	0	0	0	0	2	345
	44	63	74	81	85	89	91	92	94	95	96	96	98	99	99	99	99	99	99	99	99	99	99	99	100	
W	165	81	46	31	8	6	8	4	3	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	355
	46	69	82	91	93	95	97	98	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
WNW	144	51	25	20	11	8	3	0	1	1	3	3	0	0	2	0	0	0	0	0	0	0	0	0	0	272
	53	72	81	88	92	95	96	96	97	97	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	
NW	103	48	23	13	8	5	3	3	3	2	3	0	3	0	0	0	0	0	0	0	1	0	0	0	1	219
	47	69	79	85	89	91	93	94	95	96	98	98	99	99	99	99	99	99	99	99	100	100	100	100	100	
NNW	99	38	26	9	7	2	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	185
	54	74	88	93	97	98	98	98	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	100	
TOTAL	1786	703	371	236	131	81	57	35	31	24	16	16	17	11	4	2	1	3	2	0	2	2	0	1	5	3537

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
SE	25	0
SE	26	0
SE	27	1
WSW	25	0
WSW	26	0
WSW	27	0
WSW	28	1
WSW	29	0
WSW	30	0
WSW	31	0
WSW	32	0
WSW	33	1
NW	25	1
NNW	25	1

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Table 2.3-92—{NMPNS 200 ft (61-m) Wind Direction Persistence Summary for 2005}

NMP JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA
WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	DIRECTION PERSISTENCE (HOURS)																								
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	124	56	20	10	8	7	4	6	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	237
	52	76	84	89	92	95	97	99	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	
NNE	132	43	24	9	12	4	3	5	3	2	1	4	0	0	1	1	0	0	0	0	0	0	1	0	1	246
	54	71	81	85	89	91	92	94	96	96	97	98	98	98	99	99	99	99	99	99	99	99	100	100	100	
NE	114	32	12	6	6	7	5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	184
	62	79	86	89	92	96	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ENE	97	32	10	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144
	67	90	97	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	106	38	13	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164
	65	88	96	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	106	41	13	7	4	0	4	3	3	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	184
	58	80	87	91	93	93	95	97	98	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	
SE	115	38	21	13	7	6	7	2	1	2	4	0	1	2	1	1	0	1	1	0	0	0	0	0	1	224
	51	68	78	83	87	89	92	93	94	95	96	96	97	98	98	99	99	99	100	100	100	100	100	100	100	
SSE	115	49	24	16	15	7	7	4	2	4	1	1	2	1	0	0	0	0	2	0	0	0	0	0	1	251
	46	65	75	81	87	90	93	94	95	97	97	98	98	99	99	99	99	99	100	100	100	100	100	100	100	
S	98	52	29	14	12	9	6	1	2	0	2	1	1	0	0	0	1	0	1	0	0	0	0	0	0	229
	43	66	78	84	90	93	96	97	97	97	98	99	99	99	99	99	100	100	100	0	0	0	0	0	0	
SSW	140	51	21	13	8	6	1	1	1	0	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	246
	57	78	86	91	95	97	98	98	98	98	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	
SW	139	57	20	8	6	3	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	241
	58	81	90	93	95	97	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WSW	138	77	39	24	15	10	8	4	2	1	2	2	2	0	2	0	0	1	1	1	0	0	0	1	0	330
	42	65	77	84	89	92	94	95	96	96	97	98	98	98	99	99	99	99	99	100	100	100	100	100	0	
W	163	77	36	21	13	9	4	1	3	6	0	0	0	2	1	0	0	0	2	0	0	0	0	0	0	338
	48	71	82	88	92	94	96	96	97	99	99	99	99	99	99	99	99	99	100	0	0	0	0	0	0	
WNW	128	48	26	12	14	8	8	3	2	2	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	254
	50	69	80	84	90	93	96	97	98	99	99	99	99	99	99	99	99	100	100	0	0	0	0	0	0	
NW	126	54	27	14	7	2	4	1	0	2	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	240
	53	75	86	92	95	96	98	98	98	99	99	99	99	99	99	99	99	99	100	100	100	0	0	0	0	
NNW	134	40	20	14	7	5	2	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	225
	60	77	86	92	96	98	99	99	99	99	99	99	99	100	100	100	100	100	100	100	100	100	100	100	100	
TOTAL	1975	785	355	188	135	85	69	35	22	21	12	10	7	7	6	3	2	3	9	1	1	0	1	1	4	3737

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
NNE	25	1
SE	25	0
SE	26	0
SE	27	0
SE	28	0
SE	29	0
SE	30	0
SE	31	0
SE	32	0
SE	33	0
SE	34	1
SSE	25	1
NNW	25	0
NNW	26	1

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Table 2.3-93—{NMPNS 200 ft (61-m) Average Wind Direction Persistence Summary for Years 2001-2005}

DIRECTION	WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY																									
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**GT.24**	**TOTAL**
N	97.6	36.4	18.2	9.6	6.8	5.6	3.4	3.2	0.6	0.4	0.8	0.2	0.6	0.4	0.2	0	0.4	0	0	0	0	0	0	0	0	184.4
	52.8	72.6	82.6	87.8	91.4	94.2	96.2	97.8	98.4	98.4	99	99.2	79.4	79.6	59.8	39.8	40	0	0	0	0	0	0	0	0	0
NNE	97.6	39.8	16.6	12.2	8.2	4.8	5.2	2.2	2	1.4	1.4	1.6	0.4	0.2	0.6	0.4	0	0.2	0	0	0	0.4	0.2	0	0.2	195.6
	49.8	70	78.6	85	89.2	91.6	94.2	95.4	96.6	97.2	97.8	78.6	78.8	79	79.2	79.4	59.4	59.4	59.4	59.4	59.4	59.8	20	20	20	0
NE	94	32	12.4	7.2	5	4.2	3	1.2	0.6	0.6	0	0.4	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	161.6
	58.2	78	85.6	90.2	93.2	95.8	97.6	98.2	98.6	79	59	59.2	59.4	59.6	39.6	39.8	20	0	0	0	0	0	0	0	0	0
ENE	80.6	25.6	8	2	1	0.2	0.4	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118.2
	68.2	90	96.8	98.4	79.2	59.2	59.6	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	85.6	23.6	8.8	4.4	1.6	0.6	0.8	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125.6
	69	87	93.8	97.4	98.8	79	79.8	19.8	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	96	36.4	12.6	6	4.6	1.8	3.8	2	1.4	0.6	0.4	0.4	0.2	0.4	0.2	0	0	0.2	0.2	0	0	0.2	0	0	0	167.4
	57.4	79.2	86.6	90.6	93.2	94.2	96.6	97.6	98.4	78.8	78.8	79	79.2	79.2	79.4	59.4	59.4	59.6	39.8	19.8	19.8	20	0	0	0	0
SE	93	44.6	23	17	9.4	8.4	6.4	5.4	4.6	4	2	2.2	1.4	1.8	0.8	1	0.4	1	1	0	0.2	0	0.2	0	0.8	228.6
	41	60.4	70.4	77.6	82.2	85.6	88.2	90.6	93	94.4	95.2	96.2	97	97.8	98	98.6	98.8	99.2	99.6	79.6	79.8	79.8	80	80	80	0
SSE	104.4	50.8	30.4	21.6	14.6	8.8	7.8	5.8	4	2.2	1.2	1.4	1.2	0.8	0.2	1	0	0.2	0.6	0	0.2	0.2	0	0.2	0.2	257.8
	40.6	60.2	72	80.2	86	89.6	92.6	94.6	96	97.2	97.6	98	98.6	98.8	99	99.6	99.6	99.6	79.8	59.8	59.8	40	40	40	20	0
S	103.6	55.8	29.2	18.4	11.8	8.2	5.8	5.2	3	2.8	1.4	1	1	0.8	0.4	0.4	0.6	0.2	0.4	0.4	0	0	0.2	0	0	250.6
	41.4	63.8	75.4	82.6	87.4	90.6	93	95.2	96.2	97.2	97.8	98.2	98.8	99	79.2	79.2	59.6	59.6	59.8	40	20	20	20	0	0	0
SSW	141.2	49.8	27.2	12.2	7	4.2	2.4	1.8	1.2	1	1	0.6	0.4	0.4	0	0	0	0	0	0	0	0	0	0	0	250.4
	56.8	76.6	87.2	92	94.8	96.6	97.6	98.2	98.4	99	99.6	80	80	40	0	0	0	0	0	0	0	0	0	0	0	0
SW	155	52.8	22.4	9.2	6.4	3.6	2.4	1.4	1.2	0.6	0.6	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	256.4
	60.6	81	90	93.4	95.8	97.2	98.2	98.8	99.2	79.6	79.8	39.8	40	40	20	0	0	0	0	0	0	0	0	0	0	0
WSW	151.2	70	41.6	27.2	15.4	13.6	8.6	6.2	5	2.2	1.6	1.6	2.4	1.4	1.2	0.2	0.4	0.6	0.4	0.2	0.2	0	0.2	0.2	1	352.6
	42.8	62.6	74.6	82.2	86.6	90.6	92.6	94.4	96	96.6	97.2	97.8	98.2	98.8	99.2	99.2	99.2	79.2	79.2	79.4	79.6	79.6	79.6	79.6	60	0
W	163	77.2	40.8	24.2	12.4	10.2	6.8	3.2	3.4	3	1.4	0.8	1	0.6	0.4	0.2	0.2	0	0.6	0	0	0	0	0	0	349.4
	46.6	68.6	80.6	87.6	91	93.8	95.8	96.8	97.8	98.6	98.8	99	99.4	79.6	79.8	79.8	59.8	39.8	40	0	0	0	0	0	0	0
WNW	134.2	47.8	29.6	16.2	10	6	4.2	2	0.8	2.4	2.6	0.6	0	0.4	0.6	0.4	0	0.2	0.2	0.2	0	0	0	0	0	258.4
	51.8	70.6	82.2	88	92	94.2	96	96.6	97	98	99	99.2	99.2	99.4	79.8	59.8	39.8	40	40	20	0	0	0	0	0	0
NW	103.2	46	21.6	12.4	8.2	3.8	3.8	2.6	1.6	1.8	1.8	0.2	1	0	0.4	0.2	0	0.2	0.2	0	0.4	0	0	0	0.2	209.6
	49.2	71	81.2	87.2	91.2	93	95.2	96	96.8	97.8	98.8	98.8	99.2	99.2	99.4	79.4	59.4	59.6	39.8	39.8	40	20	20	20	20	0
NNW	102.6	37.8	20.8	8.8	6	2.8	1	0.4	1	0.4	0.4	0	0	0.2	0.4	0	0	0	0	0.2	0	0	0	0	0.4	183.2
	56	76.6	88	92.6	96.2	97.6	98.2	98.6	98.8	98.8	99.2	79.2	79.2	79.4	79.6	59.6	59.6	59.6	59.6	59.8	39.8	39.8	39.8	39.8	40	0
TOTAL	**1802.8**	**726.4**	**363.2**	**208.6**	**128.4**	**86.8**	**65.8**	**43**	**30.6**	**23.4**	**16.6**	**11.2**	**10**	**7.8**	**5.8**	**4**	**2.2**	**2.8**	**3.6**	**1**	**1**	**0.8**	**0.8**	**0.4**	**2.8**	**3549.8**

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

(Page 1 of 37)

Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2001	1	1	21.6	-5.8	16.5	-8.6	19.1	-7.2
2001	1	2	30.4	-0.9	12.4	-10.9	19.3	-7.1
2001	1	3	30.5	-0.8	25.9	-3.4	27.9	-2.3
2001	1	4	30.3	-0.9	24.8	-4.0	28.2	-2.1
2001	1	5	29.3	-1.5	24.5	-4.2	26.9	-2.8
2001	1	6	34.9	1.6	25.2	-3.8	30.0	-1.1
2001	1	7	31.8	-0.1	23.5	-4.7	27.8	-2.3
2001	1	8	33.3	0.7	25.6	-3.6	29.8	-1.2
2001	1	9	27.9	-2.3	19.3	-7.1	22.3	-5.4
2001	1	10	21.4	-5.9	12.4	-10.9	18.2	-7.7
2001	1	11	36.6	2.6	21.7	-5.7	34.2	1.2
2001	1	12	31.3	-0.4	17.5	-8.1	23.5	-4.8
2001	1	13	35.9	2.2	18.3	-7.6	28.5	-1.9
2001	1	14	37.0	2.8	33.5	0.8	35.1	1.7
2001	1	15	38.6	3.7	34.1	1.2	36.3	2.4
2001	1	16	36.2	2.3	31.1	-0.5	34.4	1.4
2001	1	17	30.9	-0.6	21.9	-5.6	24.6	-4.1
2001	1	18	34.7	1.5	23.1	-4.9	28.5	-2.0
2001	1	19	33.5	0.8	20.9	-6.2	29.5	-1.4
2001	1	20	19.6	-6.9	11.3	-11.5	15.6	-9.1
2001	1	21	29.8	-1.2	18.3	-7.6	25.0	-3.9
2001	1	22	31.0	-0.6	21.4	-5.9	27.3	-2.6
2001	1	23	36.3	2.4	18.8	-7.3	28.7	-1.9
2001	1	24	34.8	1.6	30.6	-0.8	33.4	0.8
2001	1	25	30.9	-0.6	19.0	-7.2	24.3	-4.3
2001	1	26	29.1	-1.6	21.7	-5.7	26.7	-3.0
2001	1	27	33.0	0.6	26.5	-3.1	29.5	-1.4
2001	1	28	29.9	-1.2	26.4	-3.1	28.2	-2.1
2001	1	29	32.5	0.3	23.6	-4.7	29.0	-1.7
2001	1	30	38.4	3.6	32.1	0.1	35.1	1.7
2001	1	31	36.7	2.6	32.0	0.0	34.7	1.5
2001	2	1	34.4	1.3	30.7	-0.7	32.4	0.2
2001	2	2	36.2	2.3	24.1	-4.4	30.4	-0.9
2001	2	3	23.0	-5.0	14.2	-9.9	19.0	-7.2
2001	2	4	31.8	-0.1	11.7	-11.3	23.1	-5.0
2001	2	5	35.4	1.9	29.8	-1.2	32.6	0.3
2001	2	6	35.8	2.1	32.3	0.2	34.0	1.1
2001	2	7	34.9	1.6	31.2	-0.4	33.4	0.8
2001	2	8	33.9	1.1	28.2	-2.1	30.5	-0.8
2001	2	9	53.1	11.7	33.6	0.9	43.5	6.4
2001	2	10	55.0	12.8	18.2	-7.7	30.1	-1.0
2001	2	11	17.5	-8.1	8.8	-12.9	14.0	-10.0
2001	2	12	31.8	-0.1	7.5	-13.6	20.2	-6.6
2001	2	13	35.8	2.1	29.8	-1.2	32.1	0.1
2001	2	14	38.9	3.8	30.5	-0.8	34.2	1.2
2001	2	15	33.8	1.0	22.3	-5.4	27.6	-2.5
2001	2	16	34.7	1.5	19.4	-7.0	28.5	-2.0
2001	2	17	33.7	0.9	18.7	-7.4	23.2	-4.9
2001	2	18	25.3	-3.7	16.9	-8.4	22.0	-5.6

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

(Page 2 of 37)

Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2001	2	19	39.6	4.2	19.0	-7.2	30.3	-0.9
2001	2	20	42.1	5.6	34.6	1.4	39.8	4.4
2001	2	21	33.9	1.1	15.9	-8.9	21.0	-6.1
2001	2	22	20.8	-6.2	12.0	-11.1	17.6	-8.0
2001	2	23	31.1	-0.5	20.5	-6.4	26.0	-3.4
2001	2	24	28.4	-2.0	16.3	-8.7	22.7	-5.2
2001	2	25	49.0	9.4	28.0	-2.2	39.0	3.9
2001	2	26	37.4	3.0	31.1	-0.5	33.0	0.6
2001	2	27	32.2	0.1	24.6	-4.1	29.3	-1.5
2001	2	28	23.8	-4.6	18.6	-7.4	22.0	-5.6
2001	3	1	27.0	-2.8	15.1	-9.4	21.8	-5.7
2001	3	2	26.3	-3.2	20.4	-6.4	24.1	-4.4
2001	3	3	26.3	-3.2	20.2	-6.6	23.5	-4.7
2001	3	4	34.1	1.2	14.4	-9.8	24.7	-4.1
2001	3	5	27.8	-2.3	24.8	-4.0	26.7	-2.9
2001	3	6	33.8	1.0	24.9	-3.9	30.4	-0.9
2001	3	7	31.6	-0.2	26.5	-3.1	28.9	-1.7
2001	3	8	39.5	4.2	29.7	-1.3	33.3	0.7
2001	3	9	33.7	0.9	29.9	-1.2	31.2	-0.4
2001	3	10	33.6	0.9	28.3	-2.1	31.9	-0.1
2001	3	11	35.7	2.1	26.1	-3.3	31.3	-0.4
2001	3	12	35.3	1.8	14.7	-9.6	25.7	-3.5
2001	3	13	39.6	4.2	32.1	0.1	35.9	2.2
2001	3	14	37.7	3.2	34.0	1.1	36.1	2.3
2001	3	15	38.1	3.4	31.6	-0.2	36.4	2.4
2001	3	16	34.4	1.3	27.5	-2.5	31.1	-0.5
2001	3	17	33.5	0.8	28.5	-1.9	30.4	-0.9
2001	3	18	37.2	2.9	30.5	-0.8	33.5	0.8
2001	3	19	36.0	2.2	29.9	-1.2	33.8	1.0
2001	3	20	44.3	6.8	26.9	-2.8	35.8	2.1
2001	3	21	47.2	8.4	36.0	2.2	41.4	5.2
2001	3	22	36.0	2.2	33.8	1.0	34.7	1.5
2001	3	23	38.8	3.8	35.2	1.8	36.9	2.7
2001	3	24	37.0	2.8	31.6	-0.2	34.7	1.5
2001	3	25	31.2	-0.4	25.8	-3.4	28.3	-2.1
2001	3	26	27.7	-2.4	20.8	-6.2	24.3	-4.3
2001	3	27	33.3	0.7	23.2	-4.9	29.6	-1.4
2001	3	28	34.6	1.4	30.0	-1.1	32.4	0.2
2001	3	29	48.3	9.1	29.3	-1.5	38.4	3.6
2001	3	30	38.3	3.5	33.3	0.7	35.0	1.7
2001	3	31	34.8	1.6	33.2	0.7	33.9	1.1
2001	4	1	36.0	2.2	32.8	0.4	34.5	1.4
2001	4	2	36.0	2.2	32.6	0.3	34.0	1.1
2001	4	3	37.6	3.1	33.5	0.8	36.1	2.3
2001	4	4	44.0	6.7	31.6	-0.2	38.0	3.3
2001	4	5	47.0	8.3	32.4	0.2	40.2	4.6
2001	4	6	49.7	9.8	36.6	2.6	43.7	6.5
2001	4	7	46.0	7.8	34.7	1.5	40.6	4.8
2001	4	8	70.9	21.6	39.6	4.2	52.6	11.5

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2001	4	9	41.8	5.4	38.2	3.4	39.7	4.3
2001	4	10	46.6	8.1	37.0	2.8	40.8	4.9
2001	4	11	58.2	14.6	41.7	5.4	50.5	10.3
2001	4	12	69.5	20.8	47.0	8.3	56.0	13.3
2001	4	13	53.9	12.2	39.8	4.3	45.6	7.5
2001	4	14	46.3	7.9	37.3	2.9	40.7	4.8
2001	4	15	45.2	7.3	37.1	2.8	41.9	5.5
2001	4	16	44.7	7.1	39.2	4.0	40.8	4.9
2001	4	17	42.7	5.9	37.2	2.9	39.7	4.3
2001	4	18	37.5	3.1	33.4	0.8	35.2	1.8
2001	4	19	41.6	5.3	35.7	2.1	38.1	3.4
2001	4	20	58.6	14.8	35.8	2.1	48.8	9.4
2001	4	21	68.4	20.2	50.7	10.4	57.8	14.3
2001	4	22	65.1	18.4	44.9	7.2	52.4	11.3
2001	4	23	81.7	27.6	49.3	9.6	65.5	18.6
2001	4	24	75.5	24.2	39.9	4.4	52.0	11.1
2001	4	25	47.3	8.5	38.2	3.4	41.4	5.2
2001	4	26	56.4	13.6	38.2	3.4	48.8	9.3
2001	4	27	52.9	11.6	42.5	5.8	47.6	8.7
2001	4	28	43.5	6.4	36.0	2.2	40.4	4.6
2001	4	29	47.2	8.4	31.7	-0.2	40.7	4.8
2001	4	30	62.3	16.8	42.5	5.8	51.3	10.7
2001	5	1	76.2	24.6	54.9	12.7	63.0	17.2
2001	5	2	74.4	23.6	50.8	10.4	66.6	19.2
2001	5	3	72.6	22.6	57.0	13.9	66.6	19.2
2001	5	4	64.5	18.1	47.9	8.8	58.0	14.4
2001	5	5	50.3	10.2	40.2	4.6	46.8	8.2
2001	5	6	57.3	14.1	42.3	5.7	51.1	10.6
2001	5	7	73.1	22.8	50.2	10.1	61.8	16.5
2001	5	8	69.3	20.7	49.1	9.5	57.0	13.9
2001	5	9	67.1	19.5	52.9	11.6	60.8	16.0
2001	5	10	69.7	20.9	51.2	10.7	60.6	15.9
2001	5	11	77.3	25.2	59.5	15.3	65.9	18.8
2001	5	12	55.5	13.1	44.6	7.0	48.5	9.1
2001	5	13	47.8	8.8	41.7	5.4	44.7	7.1
2001	5	14	50.3	10.2	43.6	6.4	46.8	8.2
2001	5	15	53.5	11.9	40.5	4.7	47.0	8.4
2001	5	16	70.2	21.2	44.3	6.8	58.3	14.6
2001	5	17	63.5	17.5	51.5	10.8	56.0	13.3
2001	5	18	65.1	18.4	53.3	11.8	57.9	14.4
2001	5	19	52.9	11.6	48.7	9.3	50.4	10.2
2001	5	20	66.8	19.3	46.1	7.8	58.1	14.5
2001	5	21	65.0	18.3	56.8	13.8	60.2	15.7
2001	5	22	65.6	18.7	57.5	14.2	60.4	15.8
2001	5	23	61.2	16.2	48.6	9.2	54.5	12.5
2001	5	24	65.8	18.8	49.0	9.4	56.5	13.6
2001	5	25	72.8	22.7	56.0	13.3	63.3	17.4
2001	5	26	63.0	17.2	56.4	13.6	59.9	15.5
2001	5	27	72.0	22.2	50.1	10.1	59.8	15.4

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2001	5	28	58.9	14.9	50.5	10.3	53.8	12.1
2001	5	29	52.7	11.5	44.6	7.0	49.2	9.5
2001	5	30	49.4	9.7	44.8	7.1	47.0	8.3
2001	5	31	54.7	12.6	45.5	7.5	49.0	9.4
2001	6	1	66.0	18.9	45.0	7.2	55.1	12.8
2001	6	2	58.3	14.6	54.6	12.6	56.2	13.5
2001	6	3	58.7	14.8	50.7	10.4	54.3	12.4
2001	6	4	51.7	10.9	48.6	9.2	50.2	10.1
2001	6	5	54.4	12.4	48.9	9.4	51.3	10.7
2001	6	8	63.5	17.5	46.7	8.2	55.3	12.9
2001	6	9	65.1	18.4	47.9	8.8	57.2	14.0
2001	6	10	65.8	18.8	55.2	12.9	61.0	16.1
2001	6	11	63.8	17.7	56.5	13.6	59.3	15.2
2001	6	12	69.5	20.8	56.3	13.5	62.5	17.0
2001	6	13	70.1	21.2	57.3	14.1	63.5	17.5
2001	6	14	83.5	28.6	61.9	16.6	75.1	24.0
2001	6	15	87.5	30.8	71.3	21.8	79.1	26.2
2001	6	16	76.5	24.7	63.9	17.7	70.0	21.1
2001	6	17	67.9	19.9	60.0	15.6	64.4	18.0
2001	6	18	70.2	21.2	62.0	16.7	65.3	18.5
2001	6	19	90.5	32.5	68.3	20.2	76.7	24.9
2001	6	20	67.0	19.4	56.4	13.6	62.7	17.0
2001	6	21	66.5	19.2	55.4	13.0	61.5	16.4
2001	6	22	77.7	25.4	61.9	16.6	65.5	18.6
2001	6	23	61.1	16.2	58.5	14.7	60.0	15.5
2001	6	24	64.1	17.8	56.7	13.7	60.4	15.8
2001	6	25	69.2	20.7	58.2	14.6	63.5	17.5
2001	6	26	78.6	25.9	58.4	14.7	69.2	20.7
2001	6	27	75.9	24.4	65.3	18.5	71.5	22.0
2001	6	28	72.7	22.6	67.3	19.6	69.8	21.0
2001	6	29	81.2	27.3	63.2	17.3	72.5	22.5
2001	6	30	79.4	26.3	72.5	22.5	76.6	24.8
2001	7	3	69.3	20.7	53.9	12.2	61.6	16.5
2001	7	4	75.9	24.4	60.7	15.9	68.9	20.5
2001	7	5	64.7	18.2	59.3	15.2	62.8	17.1
2001	7	6	65.1	18.4	56.4	13.6	59.5	15.3
2001	7	7	75.8	24.3	56.5	13.6	66.9	19.4
2001	7	8	70.1	21.2	64.8	18.2	67.1	19.5
2001	7	9	73.2	22.9	64.1	17.8	69.8	21.0
2001	7	10	71.7	22.1	63.8	17.7	68.0	20.0
2001	7	11	66.2	19.0	60.0	15.6	63.5	17.5
2001	7	12	64.6	18.1	60.1	15.6	62.7	17.0
2001	7	13	67.5	19.7	62.2	16.8	64.3	17.9
2001	7	14	66.2	19.0	59.6	15.3	64.2	17.9
2001	7	15	68.5	20.3	59.3	15.2	64.4	18.0
2001	7	16	72.5	22.5	59.5	15.3	66.8	19.3
2001	7	17	68.8	20.4	61.8	16.6	65.2	18.5
2001	7	18	75.2	24.0	60.1	15.6	69.5	20.8
2001	7	19	75.7	24.3	64.9	18.3	71.2	21.8

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

(Page 5 of 37)

Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2001	7	20	77.7	25.4	65.3	18.5	72.2	22.3
2001	7	21	82.4	28.0	66.0	18.9	74.8	23.8
2001	7	22	80.2	26.8	70.7	21.5	75.2	24.0
2001	7	23	86.6	30.3	70.1	21.2	77.7	25.4
2001	7	24	83.5	28.6	74.2	23.4	78.5	25.8
2001	7	25	74.5	23.6	67.5	19.7	71.7	22.0
2001	7	26	69.2	20.7	61.9	16.6	65.8	18.8
2001	7	27	67.7	19.8	51.6	10.9	62.3	16.8
2001	7	28	72.6	22.6	55.3	12.9	65.4	18.5
2001	7	29	79.0	26.1	62.2	16.8	70.7	21.5
2001	7	30	76.2	24.6	61.7	16.5	68.9	20.5
2001	7	31	76.0	24.4	62.3	16.8	69.2	20.7
2001	8	1	81.2	27.3	63.1	17.3	73.3	23.0
2001	8	2	83.2	28.4	71.3	21.8	77.7	25.4
2001	8	3	80.2	26.8	72.1	22.3	74.4	23.5
2001	8	4	77.0	25.0	67.6	19.8	72.1	22.3
2001	8	5	80.6	27.0	64.4	18.0	72.4	22.4
2001	8	6	86.9	30.5	64.7	18.2	77.7	25.4
2001	8	7	82.4	28.0	75.6	24.2	79.1	26.2
2001	8	8	85.0	29.4	74.2	23.4	79.2	26.2
2001	8	9	88.1	31.2	69.0	20.6	81.0	27.2
2001	8	10	80.0	26.7	74.1	23.4	76.5	24.7
2001	8	11	77.4	25.2	60.6	15.9	71.8	22.1
2001	8	12	74.5	23.6	67.3	19.6	71.2	21.8
2001	8	13	76.5	24.7	67.4	19.7	72.7	22.6
2001	8	14	73.8	23.2	59.4	15.2	70.1	21.2
2001	8	15	76.9	24.9	57.1	13.9	68.4	20.2
2001	8	16	82.8	28.2	67.2	19.6	72.8	22.7
2001	8	17	75.1	23.9	67.8	19.9	71.4	21.9
2001	8	18	72.7	22.6	66.0	18.9	70.7	21.5
2001	8	19	76.0	24.4	63.2	17.3	67.6	19.8
2001	8	20	73.6	23.1	64.4	18.0	69.5	20.8
2001	8	21	73.7	23.2	64.1	17.8	69.6	20.9
2001	8	22	74.8	23.8	63.9	17.7	70.4	21.4
2001	8	23	74.3	23.5	63.2	17.3	69.7	20.9
2001	8	24	72.4	22.4	60.4	15.8	67.8	19.9
2001	8	25	77.4	25.2	52.3	11.3	66.7	19.3
2001	8	26	82.5	28.1	68.3	20.2	73.5	23.0
2001	8	27	72.3	22.4	65.6	18.7	68.3	20.2
2001	8	28	72.6	22.6	62.7	17.1	67.9	19.9
2001	8	29	68.1	20.1	58.0	14.4	64.1	17.8
2001	8	30	78.0	25.6	54.8	12.7	67.9	19.9
2001	8	31	76.9	24.9	66.9	19.4	71.6	22.0
2001	9	1	65.7	18.7	53.4	11.9	58.4	14.7
2001	9	2	65.5	18.6	52.2	11.2	59.4	15.2
2001	9	3	78.3	25.7	57.0	13.9	67.8	19.9
2001	9	4	70.8	21.6	62.3	16.8	67.2	19.5
2001	9	5	64.5	18.1	54.7	12.6	59.7	15.4
2001	9	6	69.4	20.8	52.4	11.3	62.1	16.7

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

(Page 6 of 37)

Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2001	9	7	82.8	28.2	60.1	15.6	72.0	22.2
2001	9	8	86.1	30.1	71.3	21.8	78.0	25.6
2001	9	9	85.7	29.8	70.0	21.1	77.0	25.0
2001	9	10	72.9	22.7	64.2	17.9	69.7	21.0
2001	9	11	69.2	20.7	61.2	16.2	65.2	18.4
2001	9	12	73.7	23.2	55.3	12.9	66.5	19.1
2001	9	13	69.6	20.9	57.2	14.0	64.4	18.0
2001	9	14	62.7	17.1	53.1	11.7	58.0	14.4
2001	9	15	60.4	15.8	50.5	10.3	55.8	13.2
2001	9	16	65.2	18.4	48.3	9.1	58.5	14.7
2001	9	17	68.2	20.1	50.9	10.5	59.5	15.3
2001	9	18	69.1	20.6	55.8	13.2	61.6	16.4
2001	9	19	76.4	24.7	55.8	13.2	66.8	19.3
2001	9	22	66.6	19.2	59.9	15.5	63.9	17.7
2001	9	23	67.4	19.7	56.9	13.8	61.8	16.6
2001	9	24	74.5	23.6	60.2	15.7	63.2	17.3
2001	9	25	61.1	16.2	48.4	9.1	55.5	13.0
2001	9	26	56.1	13.4	43.5	6.4	50.5	10.3
2001	9	27	56.0	13.3	48.7	9.3	51.8	11.0
2001	9	28	57.6	14.2	47.2	8.4	53.3	11.8
2001	9	29	62.7	17.1	48.4	9.1	56.1	13.4
2001	9	30	62.2	16.8	41.2	5.1	53.4	11.9
2001	10	1	64.8	18.2	52.4	11.3	61.2	16.2
2001	10	2	65.2	18.4	56.1	13.4	60.6	15.9
2001	10	3	78.1	25.6	56.6	13.7	67.3	19.6
2001	10	4	69.0	20.6	59.1	15.1	64.2	17.9
2001	10	5	58.1	14.5	52.6	11.4	55.3	13.0
2001	10	6	56.3	13.5	47.4	8.6	51.4	10.8
2001	10	7	48.3	9.1	41.6	5.3	45.6	7.5
2001	10	8	47.5	8.6	37.6	3.1	42.8	6.0
2001	10	9	56.5	13.6	36.2	2.3	48.5	9.2
2001	10	10	69.5	20.8	50.7	10.4	60.2	15.7
2001	10	11	71.8	22.1	55.3	12.9	62.6	17.0
2001	10	12	65.8	18.8	58.8	14.9	61.5	16.4
2001	10	13	76.3	24.6	61.8	16.6	68.6	20.3
2001	10	14	69.8	21.0	56.1	13.4	65.4	18.6
2001	10	15	58.2	14.6	48.5	9.2	54.2	12.4
2001	10	16	64.6	18.1	46.0	7.8	52.6	11.4
2001	10	17	46.6	8.1	42.0	5.6	44.6	7.0
2001	10	18	48.7	9.3	42.5	5.8	44.5	7.0
2001	10	19	62.2	16.8	43.4	6.3	53.6	12.0
2001	10	20	59.9	15.5	53.5	11.9	55.8	13.2
2001	10	21	65.6	18.7	54.1	12.3	56.9	13.8
2001	10	22	55.8	13.2	47.8	8.8	52.3	11.3
2001	10	23	70.2	21.2	46.1	7.8	59.2	15.1
2001	10	24	66.0	18.9	60.9	16.1	63.1	17.3
2001	10	25	66.4	19.1	45.1	7.3	55.0	12.8
2001	10	26	46.0	7.8	38.7	3.7	42.5	5.8
2001	10	27	44.5	6.9	41.8	5.4	43.1	6.2

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

(Page 7 of 37)

Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2001	10	28	43.1	6.2	36.3	2.4	40.9	5.0
2001	10	29	53.8	12.1	35.6	2.0	46.5	8.0
2001	11	3	56.2	13.4	50.2	10.1	52.6	11.4
2001	11	4	58.2	14.6	45.4	7.4	50.4	10.2
2001	11	5	45.6	7.6	42.2	5.7	44.1	6.7
2001	11	6	49.7	9.8	41.1	5.1	44.5	7.0
2001	11	7	52.9	11.6	44.1	6.7	51.0	10.5
2001	11	8	60.2	15.7	35.1	1.7	46.1	7.8
2001	11	9	44.9	7.2	38.5	3.6	40.7	4.8
2001	11	10	51.0	10.6	38.3	3.5	44.6	7.0
2001	11	11	40.1	4.5	36.4	2.4	38.6	3.7
2001	11	12	42.7	5.9	33.5	0.8	38.6	3.7
2001	11	13	54.4	12.4	34.8	1.6	45.1	7.3
2001	11	14	56.5	13.6	43.1	6.2	51.0	10.6
2001	11	15	60.7	15.9	52.6	11.4	56.8	13.8
2001	11	16	62.0	16.7	38.2	3.4	51.5	10.9
2001	11	17	43.0	6.1	31.5	-0.3	38.4	3.6
2001	11	18	57.3	14.1	38.2	3.4	47.9	8.8
2001	11	19	65.9	18.8	43.3	6.3	53.7	12.1
2001	11	20	43.6	6.4	39.3	4.1	40.3	4.6
2001	11	21	45.4	7.4	36.4	2.4	41.8	5.4
2001	11	22	47.4	8.6	40.4	4.7	44.2	6.8
2001	11	23	59.0	15.0	40.2	4.6	48.4	9.1
2001	11	24	60.7	15.9	44.7	7.1	53.2	11.8
2001	11	25	65.0	18.3	53.7	12.1	60.0	15.5
2001	11	26	52.2	11.2	47.3	8.5	49.0	9.5
2001	11	27	51.4	10.8	43.7	6.5	46.8	8.2
2001	11	28	45.2	7.3	37.7	3.2	39.4	4.1
2001	11	29	54.2	12.3	38.8	3.8	44.7	7.1
2001	11	30	60.0	15.6	42.2	5.7	51.5	10.8
2001	12	1	51.7	10.9	46.4	8.0	49.4	9.7
2001	12	2	49.0	9.4	38.2	3.4	45.0	7.2
2001	12	3	56.7	13.7	36.2	2.3	46.2	7.9
2001	12	4	58.6	14.8	41.4	5.2	49.4	9.7
2001	12	5	65.4	18.6	54.5	12.5	59.0	15.0
2001	12	6	70.2	21.2	44.3	6.8	56.5	13.6
2001	12	7	45.8	7.7	37.7	3.2	42.5	5.8
2001	12	8	37.4	3.0	30.4	-0.9	33.0	0.5
2001	12	9	41.1	5.1	31.5	-0.3	35.9	2.2
2001	12	10	44.0	6.7	32.3	0.2	37.6	3.1
2001	12	11	44.4	6.9	35.5	1.9	40.0	4.5
2001	12	12	45.7	7.6	33.9	1.1	40.5	4.7
2001	12	13	54.5	12.5	42.2	5.7	47.9	8.8
2001	12	14	49.3	9.6	35.0	1.7	42.5	5.9
2001	12	15	36.5	2.5	30.5	-0.8	34.8	1.6
2001	12	16	34.1	1.2	28.6	-1.9	31.5	-0.3
2001	12	17	36.4	2.4	32.2	0.1	34.7	1.5
2001	12	18	42.7	5.9	34.1	1.2	38.5	3.6
2001	12	19	44.6	7.0	38.0	3.3	41.4	5.2

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

(Page 8 of 37)

Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2001	12	20	41.2	5.1	34.9	1.6	38.3	3.5
2001	12	21	34.4	1.3	31.3	-0.4	32.9	0.5
2001	12	22	31.2	-0.4	21.8	-5.7	25.8	-3.5
2001	12	23	37.3	2.9	26.6	-3.0	33.0	0.5
2001	12	24	39.1	3.9	29.7	-1.3	34.9	1.6
2001	12	25	34.1	1.2	28.4	-2.0	30.7	-0.8
2001	12	26	29.2	-1.6	21.0	-6.1	25.9	-3.4
2001	12	27	26.9	-2.8	22.3	-5.4	24.4	-4.2
2001	12	28	49.0	9.4	24.5	-4.2	28.8	-1.8
2001	12	29	30.5	-0.8	24.4	-4.2	28.1	-2.2
2001	12	30	29.6	-1.3	23.9	-4.5	28.4	-2.0
2001	12	31	29.8	-1.2	23.8	-4.6	27.6	-2.5
2002	1	1	29.1	-1.6	23.2	-4.9	26.1	-3.3
2002	1	2	34.2	1.2	26.7	-2.9	31.6	-0.2
2002	1	3	34.7	1.5	26.4	-3.1	31.3	-0.4
2002	1	4	36.8	2.7	23.3	-4.8	31.6	-0.2
2002	1	5	38.5	3.6	34.1	1.2	36.5	2.5
2002	1	6	34.8	1.6	32.2	0.1	33.3	0.7
2002	1	7	34.7	1.5	17.5	-8.1	26.2	-3.2
2002	1	8	31.4	-0.3	15.3	-9.3	25.9	-3.4
2002	1	9	41.5	5.3	28.4	-2.0	35.2	1.8
2002	1	10	43.4	6.3	39.9	4.4	41.2	5.1
2002	1	11	40.7	4.8	38.5	3.6	39.4	4.1
2002	1	12	43.6	6.4	37.3	2.9	39.6	4.2
2002	1	13	40.3	4.6	29.1	-1.6	34.9	1.6
2002	1	14	35.3	1.8	23.0	-5.0	29.3	-1.5
2002	1	15	37.4	3.0	32.9	0.5	35.4	1.9
2002	1	16	33.5	0.8	28.6	-1.9	31.5	-0.3
2002	1	17	35.8	2.1	27.6	-2.4	32.1	0.1
2002	1	18	31.8	-0.1	26.7	-2.9	28.7	-1.8
2002	1	19	29.5	-1.4	17.3	-8.2	24.1	-4.4
2002	1	20	36.0	2.2	23.0	-5.0	30.0	-1.1
2002	1	21	37.5	3.1	27.2	-2.7	32.4	0.2
2002	1	22	40.1	4.5	34.4	1.3	37.2	2.9
2002	1	23	49.1	9.5	37.3	2.9	44.4	6.9
2002	1	24	43.3	6.3	30.2	-1.0	36.4	2.5
2002	1	25	40.6	4.8	29.3	-1.5	34.9	1.6
2002	1	26	43.4	6.3	34.9	1.6	41.4	5.2
2002	1	27	53.2	11.8	38.1	3.4	44.7	7.1
2002	1	28	51.1	10.6	39.1	3.9	46.0	7.8
2002	1	29	45.0	7.2	28.5	-1.9	37.1	2.8
2002	1	30	29.4	-1.4	24.2	-4.3	26.7	-2.9
2002	1	31	32.5	0.3	23.4	-4.8	27.7	-2.4
2002	2	1	46.5	8.1	24.5	-4.2	35.2	1.8
2002	2	2	24.5	-4.2	19.0	-7.2	21.7	-5.7
2002	2	3	36.2	2.3	22.1	-5.5	30.5	-0.8
2002	2	4	35.1	1.7	15.2	-9.3	24.7	-4.1
2002	2	5	31.9	-0.1	13.3	-10.4	23.0	-5.0
2002	2	6	34.5	1.4	23.4	-4.8	29.9	-1.2

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
(Page 9 of 37)

Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2002	2	7	43.5	6.4	26.3	-3.2	34.1	1.2
2002	2	8	37.8	3.2	26.1	-3.3	33.7	1.0
2002	2	9	33.6	0.9	21.7	-5.7	27.9	-2.3
2002	2	10	47.1	8.4	31.4	-0.3	40.3	4.6
2002	2	11	29.7	-1.3	10.7	-11.8	16.4	-8.6
2002	2	12	39.4	4.1	14.0	-10.0	31.3	-0.4
2002	2	13	32.3	0.2	14.8	-9.6	21.3	-5.9
2002	2	14	41.7	5.4	19.2	-7.1	30.4	-0.9
2002	2	15	47.8	8.8	34.7	1.5	41.3	5.2
2002	2	16	42.3	5.7	34.0	1.1	37.2	2.9
2002	2	17	35.8	2.1	25.1	-3.8	30.6	-0.8
2002	2	18	28.0	-2.2	19.4	-7.0	24.0	-4.5
2002	2	19	44.8	7.1	24.5	-4.2	35.8	2.1
2002	2	20	54.3	12.4	40.0	4.4	46.2	7.9
2002	2	21	50.8	10.4	35.9	2.2	42.4	5.8
2002	2	22	35.7	2.1	30.4	-0.9	32.5	0.3
2002	2	23	27.5	-2.5	21.1	-6.1	24.6	-4.1
2002	2	24	48.0	8.9	23.4	-4.8	34.9	1.6
2002	2	25	58.7	14.8	40.8	4.9	49.6	9.8
2002	2	26	55.4	13.0	36.1	2.3	46.7	8.2
2002	2	27	34.9	1.6	22.1	-5.5	29.8	-1.2
2002	2	28	31.5	-0.3	21.0	-6.1	26.6	-3.0
2002	3	1	35.3	1.8	25.5	-3.6	31.3	-0.4
2002	3	2	47.8	8.8	25.4	-3.7	37.6	3.1
2002	3	3	55.2	12.9	29.7	-1.3	40.4	4.7
2002	3	4	28.6	-1.9	18.6	-7.4	22.1	-5.5
2002	3	5	29.8	-1.2	14.2	-9.9	22.2	-5.5
2002	3	6	32.9	0.5	24.7	-4.1	29.6	-1.3
2002	3	7	33.8	1.0	30.5	-0.8	32.6	0.3
2002	3	8	66.1	18.9	32.6	0.3	49.8	9.9
2002	3	9	68.0	20.0	37.0	2.8	59.5	15.3
2002	3	10	36.1	2.3	26.1	-3.3	29.4	-1.4
2002	3	11	32.0	0.0	25.4	-3.7	28.2	-2.1
2002	3	12	40.5	4.7	32.3	0.2	36.7	2.6
2002	3	13	48.7	9.3	34.9	1.6	41.6	5.3
2002	3	14	43.1	6.2	37.0	2.8	38.6	3.7
2002	3	15	63.2	17.3	37.0	2.8	46.3	7.9
2002	3	16	43.1	6.2	26.7	-2.9	32.8	0.4
2002	3	17	42.9	6.1	24.3	-4.3	33.8	1.0
2002	3	18	39.2	4.0	32.2	0.1	35.1	1.7
2002	3	19	36.3	2.4	33.7	0.9	34.5	1.4
2002	3	20	37.8	3.2	33.3	0.7	35.3	1.8
2002	3	21	41.6	5.3	20.8	-6.2	33.3	0.7
2002	3	22	26.7	-2.9	17.5	-8.1	22.5	-5.3
2002	3	23	35.2	1.8	22.1	-5.5	29.3	-1.5
2002	3	24	32.9	0.5	27.8	-2.3	30.3	-0.9
2002	3	25	32.3	0.2	17.9	-7.8	24.5	-4.2
2002	3	26	34.0	1.1	26.7	-2.9	31.7	-0.2
2002	3	27	38.0	3.3	31.7	-0.2	34.4	1.3

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2002	3	28	38.8	3.8	31.2	-0.4	35.9	2.2
2002	3	29	59.3	15.2	36.4	2.4	49.2	9.5
2002	3	30	58.7	14.8	39.1	3.9	44.6	7.0
2002	3	31	46.3	7.9	38.0	3.3	42.2	5.7
2002	4	1	44.1	6.7	35.6	2.0	38.8	3.8
2002	4	2	41.8	5.4	34.6	1.4	37.8	3.2
2002	4	3	46.7	8.2	37.2	2.9	39.6	4.2
2002	4	4	36.4	2.4	32.4	0.2	34.1	1.2
2002	4	5	34.3	1.3	31.6	-0.2	33.2	0.6
2002	4	6	35.9	2.2	27.7	-2.4	31.1	-0.5
2002	4	7	47.3	8.5	23.4	-4.8	35.6	2.0
2002	4	8	58.3	14.6	45.9	7.7	49.5	9.7
2002	4	9	65.3	18.5	40.7	4.8	52.4	11.4
2002	4	10	40.8	4.9	35.6	2.0	39.3	4.1
2002	4	11	69.8	21.0	35.8	2.1	53.9	12.2
2002	4	12	69.1	20.6	49.9	9.9	60.3	15.7
2002	4	13	58.5	14.7	42.9	6.1	51.8	11.0
2002	4	14	64.6	18.1	42.4	5.8	53.3	11.8
2002	4	15	69.1	20.6	49.3	9.6	58.0	14.4
2002	4	16	73.7	23.2	55.0	12.8	66.7	19.3
2002	4	17	76.2	24.6	55.6	13.1	67.6	19.8
2002	4	18	73.1	22.8	50.4	10.2	61.3	16.3
2002	4	19	76.1	24.5	48.9	9.4	61.3	16.3
2002	4	20	47.1	8.4	41.2	5.1	43.9	6.6
2002	4	21	42.1	5.6	34.3	1.3	37.3	2.9
2002	4	22	38.3	3.5	33.1	0.6	35.3	1.8
2002	4	23	43.2	6.2	37.7	3.2	40.0	4.4
2002	4	24	50.6	10.3	34.5	1.4	43.1	6.2
2002	4	25	51.5	10.8	37.1	2.8	43.9	6.6
2002	4	26	41.8	5.4	35.8	2.1	39.2	4.0
2002	4	27	42.5	5.8	38.8	3.8	40.5	4.7
2002	4	28	47.0	8.3	37.0	2.8	42.4	5.8
2002	4	29	40.1	4.5	35.2	1.8	37.4	3.0
2002	4	30	48.7	9.3	35.0	1.7	41.9	5.5
2002	5	1	48.8	9.3	40.9	4.9	43.9	6.6
2002	5	2	51.1	10.6	42.3	5.7	45.7	7.6
2002	5	3	44.8	7.1	40.6	4.8	42.4	5.8
2002	5	4	52.8	11.6	42.0	5.6	46.1	7.8
2002	5	5	62.6	17.0	41.1	5.1	53.5	11.9
2002	5	6	79.0	26.1	57.7	14.3	65.6	18.6
2002	5	7	63.2	17.3	46.3	7.9	55.6	13.1
2002	5	8	57.0	13.9	43.1	6.2	47.1	8.4
2002	5	9	62.1	16.7	47.9	8.8	56.2	13.5
2002	5	10	54.1	12.3	44.3	6.8	49.3	9.6
2002	5	11	47.1	8.4	41.3	5.2	43.3	6.3
2002	5	12	46.9	8.3	44.4	6.9	45.9	7.7
2002	5	13	48.7	9.3	44.7	7.1	46.7	8.2
2002	5	14	43.7	6.5	38.1	3.4	41.0	5.0
2002	5	15	54.4	12.4	42.6	5.9	46.8	8.2

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2002	5	16	65.7	18.7	49.6	9.8	58.2	14.5
2002	5	17	52.4	11.3	44.2	6.8	46.1	7.8
2002	5	18	45.8	7.7	37.5	3.1	42.7	5.9
2002	5	19	44.0	6.7	40.9	4.9	42.1	5.6
2002	5	20	43.5	6.4	37.2	2.9	42.2	5.7
2002	5	21	48.3	9.1	43.6	6.4	45.7	7.6
2002	5	22	55.4	13.0	42.7	5.9	49.7	9.8
2002	5	23	65.4	18.6	46.5	8.1	57.3	14.0
2002	5	24	62.5	16.9	47.9	8.8	55.9	13.3
2002	5	25	61.8	16.6	42.9	6.1	49.6	9.8
2002	5	26	61.6	16.4	46.9	8.3	51.2	10.7
2002	5	27	64.1	17.8	48.2	9.0	54.5	12.5
2002	5	28	69.7	20.9	48.4	9.1	59.2	15.1
2002	5	31	72.7	22.6	56.5	13.6	65.3	18.5
2002	6	1	69.5	20.8	56.7	13.7	62.9	17.2
2002	6	2	59.8	15.4	51.3	10.7	53.4	11.9
2002	6	3	52.3	11.3	42.9	6.1	49.8	9.9
2002	6	4	68.4	20.2	42.5	5.8	58.1	14.5
2002	6	5	78.1	25.6	55.1	12.8	64.6	18.1
2002	6	6	57.7	14.3	53.3	11.8	55.5	13.0
2002	6	7	59.0	15.0	49.6	9.8	55.1	12.8
2002	6	8	75.4	24.1	49.2	9.6	64.8	18.2
2002	6	9	67.3	19.6	60.7	15.9	64.4	18.0
2002	6	10	66.6	19.2	58.0	14.4	63.4	17.5
2002	6	11	78.6	25.9	63.5	17.5	71.3	21.8
2002	6	12	67.5	19.7	57.5	14.2	60.6	15.9
2002	6	13	65.7	18.7	58.0	14.4	61.9	16.6
2002	6	14	63.2	17.3	57.7	14.3	60.2	15.7
2002	6	15	62.8	17.1	53.5	11.9	56.9	13.8
2002	6	16	60.7	15.9	55.4	13.0	58.2	14.6
2002	6	17	59.8	15.4	53.5	11.9	57.7	14.3
2002	6	18	63.0	17.2	51.7	10.9	57.1	13.9
2002	6	19	69.3	20.7	49.0	9.4	60.5	15.8
2002	6	20	82.9	28.3	55.5	13.1	70.9	21.6
2002	6	21	85.0	29.4	67.3	19.6	75.4	24.1
2002	6	22	72.2	22.3	67.3	19.6	69.8	21.0
2002	6	23	79.9	26.6	68.5	20.3	74.3	23.5
2002	6	24	67.9	19.9	60.3	15.7	65.3	18.5
2002	6	25	81.9	27.7	60.6	15.9	71.2	21.8
2002	6	26	80.7	27.1	72.0	22.2	75.8	24.3
2002	6	27	76.7	24.8	66.9	19.4	71.2	21.8
2002	6	28	71.1	21.7	61.8	16.6	66.9	19.4
2002	6	29	72.0	22.2	61.7	16.5	66.4	19.1
2002	6	30	78.6	25.9	62.8	17.1	71.9	22.2
2002	7	1	85.5	29.7	70.6	21.4	78.1	25.6
2002	7	2	83.2	28.4	78.7	25.9	80.8	27.1
2002	7	3	80.5	26.9	75.7	24.3	77.7	25.4
2002	7	4	79.3	26.3	74.0	23.3	76.9	24.9
2002	7	5	71.6	22.0	63.7	17.6	67.2	19.6

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
(Page 12 of 37)

Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2002	7	6	72.9	22.7	67.5	19.7	69.6	20.9
2002	7	7	74.3	23.5	66.7	19.3	70.5	21.4
2002	7	8	80.5	26.9	67.9	19.9	74.4	23.6
2002	7	9	75.7	24.3	66.9	19.4	70.5	21.4
2002	7	10	69.6	20.9	62.6	17.0	65.8	18.8
2002	7	11	67.6	19.8	58.3	14.6	64.5	18.1
2002	7	12	70.6	21.4	54.9	12.7	63.8	17.6
2002	7	13	75.3	24.1	60.8	16.0	68.2	20.1
2002	7	14	77.1	25.1	61.5	16.4	71.3	21.8
2002	7	15	74.9	23.8	66.2	19.0	71.6	22.0
2002	7	16	74.2	23.4	66.7	19.3	70.3	21.3
2002	7	17	81.9	27.7	66.9	19.4	75.0	23.9
2002	7	18	74.9	23.8	67.2	19.6	72.0	22.2
2002	7	19	72.8	22.7	64.7	18.2	69.8	21.0
2002	7	20	74.4	23.6	61.6	16.4	69.8	21.0
2002	7	21	83.1	28.4	58.7	14.8	72.3	22.4
2002	7	22	89.7	32.1	71.4	21.9	77.6	25.3
2002	7	23	79.6	26.4	66.2	19.0	71.9	22.2
2002	7	24	71.7	22.1	60.4	15.8	67.1	19.5
2002	7	25	77.6	25.3	57.4	14.1	68.5	20.3
2002	7	26	71.3	21.8	63.7	17.6	68.3	20.2
2002	7	27	80.2	26.8	67.0	19.4	72.8	22.7
2002	7	28	85.7	29.8	71.2	21.8	77.5	25.3
2002	7	29	83.2	28.4	72.2	22.3	76.8	24.9
2002	7	30	77.4	25.2	73.0	22.8	74.5	23.6
2002	7	31	79.8	26.6	72.1	22.3	76.2	24.5
2002	8	1	84.0	28.9	72.1	22.3	77.0	25.0
2002	8	2	85.4	29.7	73.8	23.2	77.9	25.5
2002	8	3	75.4	24.1	65.5	18.6	71.7	22.1
2002	8	4	78.8	26.0	63.3	17.4	72.3	22.4
2002	8	5	76.4	24.7	71.4	21.9	74.4	23.5
2002	8	6	70.1	21.2	60.8	16.0	65.9	18.9
2002	8	7	71.1	21.7	63.3	17.4	67.1	19.5
2002	8	8	71.6	22.0	62.5	16.9	68.3	20.2
2002	8	9	73.3	22.9	57.9	14.4	67.6	19.8
2002	8	10	77.5	25.3	61.6	16.4	70.0	21.1
2002	8	11	81.4	27.4	64.7	18.2	73.7	23.2
2002	8	12	83.4	28.6	70.0	21.1	77.1	25.0
2002	8	13	84.4	29.1	71.9	22.2	77.8	25.4
2002	8	14	92.4	33.6	74.8	23.8	82.4	28.0
2002	8	15	85.6	29.8	71.0	21.7	76.7	24.8
2002	8	16	81.8	27.7	71.5	21.9	76.5	24.7
2002	8	17	82.2	27.9	68.8	20.4	75.6	24.2
2002	8	18	81.1	27.3	73.3	22.9	76.3	24.6
2002	8	19	73.5	23.1	65.9	18.8	69.9	21.1
2002	8	20	73.2	22.9	61.1	16.2	68.9	20.5
2002	8	21	76.8	24.9	59.9	15.5	69.6	20.9
2002	8	22	76.9	24.9	67.0	19.4	71.4	21.9
2002	8	23	75.0	23.9	64.5	18.1	69.4	20.8

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2002	8	24	67.0	19.4	58.6	14.8	63.6	17.5
2002	8	25	72.4	22.4	55.1	12.8	64.4	18.0
2002	8	26	73.4	23.0	58.4	14.7	66.6	19.2
2002	8	27	70.8	21.6	61.6	16.4	66.4	19.1
2002	8	28	71.3	21.8	53.9	12.2	64.0	17.8
2002	8	29	66.7	19.3	55.6	13.1	63.1	17.3
2002	8	30	69.0	20.6	53.5	11.9	62.4	16.9
2002	8	31	78.8	26.0	60.1	15.6	70.0	21.1
2002	9	1	76.3	24.6	60.6	15.9	67.7	19.8
2002	9	2	78.6	25.9	62.1	16.7	69.2	20.7
2002	9	3	87.1	30.6	65.2	18.4	72.3	22.4
2002	9	4	70.2	21.2	62.8	17.1	67.6	19.8
2002	9	5	68.6	20.3	54.0	12.2	62.9	17.2
2002	9	6	69.6	20.9	50.3	10.2	61.6	16.4
2002	9	7	77.1	25.1	55.3	12.9	68.0	20.0
2002	9	8	78.0	25.6	66.7	19.3	72.3	22.4
2002	9	9	80.3	26.8	63.8	17.7	71.5	21.9
2002	9	10	82.0	27.8	64.2	17.9	73.1	22.8
2002	9	11	70.5	21.4	59.7	15.4	64.1	17.8
2002	9	12	66.8	19.3	56.1	13.4	60.3	15.7
2002	9	13	72.1	22.3	58.4	14.7	66.1	18.9
2002	9	14	78.6	25.9	61.2	16.2	68.5	20.3
2002	9	15	73.9	23.3	63.8	17.7	69.1	20.6
2002	9	16	65.8	18.8	56.4	13.6	62.3	16.9
2002	9	17	69.4	20.8	57.1	13.9	62.7	17.1
2002	9	18	76.3	24.6	56.7	13.7	66.4	19.1
2002	9	19	81.9	27.7	63.5	17.5	71.9	22.1
2002	9	20	85.1	29.5	69.9	21.1	76.3	24.6
2002	9	21	76.3	24.6	65.0	18.3	71.3	21.8
2002	9	22	73.1	22.8	62.6	17.0	67.8	19.9
2002	9	23	64.5	18.1	53.0	11.7	60.7	15.9
2002	9	24	70.0	21.1	49.5	9.7	61.1	16.2
2002	9	25	64.6	18.1	51.6	10.9	60.3	15.7
2002	9	26	69.0	20.6	55.2	12.9	62.3	16.8
2002	9	27	61.0	16.1	54.1	12.3	57.2	14.0
2002	9	28	61.2	16.2	51.0	10.6	58.9	14.9
2002	9	29	66.9	19.4	47.2	8.4	58.0	14.4
2002	9	30	75.3	24.1	59.8	15.4	67.3	19.6
2002	10	1	79.0	26.1	63.7	17.6	71.8	22.1
2002	10	2	74.7	23.7	67.6	19.8	70.5	21.4
2002	10	3	67.4	19.7	52.6	11.4	57.8	14.3
2002	10	4	70.8	21.6	53.2	11.8	63.4	17.4
2002	10	5	71.9	22.2	58.5	14.7	63.5	17.5
2002	10	6	64.0	17.8	48.6	9.2	58.0	14.4
2002	10	7	63.4	17.4	51.5	10.8	57.5	14.2
2002	10	8	50.9	10.5	42.1	5.6	47.6	8.6
2002	10	9	62.8	17.1	42.8	6.0	53.3	11.9
2002	10	10	64.2	17.9	53.0	11.7	58.9	14.9
2002	10	11	58.5	14.7	55.6	13.1	57.1	13.9

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2002	10	12	65.3	18.5	55.5	13.1	58.7	14.9
2002	10	13	61.0	16.1	49.1	9.5	56.0	13.3
2002	10	14	48.5	9.2	36.8	2.7	44.6	7.0
2002	10	15	57.6	14.2	34.2	1.2	46.7	8.1
2002	10	16	50.5	10.3	45.2	7.3	47.7	8.7
2002	10	17	50.1	10.1	43.7	6.5	47.6	8.7
2002	10	18	51.4	10.8	40.4	4.7	46.5	8.0
2002	10	19	55.1	12.8	44.7	7.1	50.0	10.0
2002	10	20	51.6	10.9	45.3	7.4	48.2	9.0
2002	10	21	48.0	8.9	36.3	2.4	42.3	5.7
2002	10	22	42.8	6.0	36.1	2.3	38.9	3.8
2002	10	23	43.0	6.1	37.1	2.8	39.9	4.4
2002	10	24	42.8	6.0	35.7	2.1	39.4	4.1
2002	10	25	48.1	8.9	29.6	-1.3	40.5	4.7
2002	10	26	51.2	10.7	40.8	4.9	45.8	7.7
2002	10	27	50.1	10.1	44.4	6.9	48.2	9.0
2002	10	28	45.4	7.4	37.5	3.1	40.4	4.7
2002	10	29	42.3	5.7	36.6	2.6	39.3	4.1
2002	10	30	41.4	5.2	35.7	2.1	37.8	3.2
2002	10	31	45.2	7.3	31.6	-0.2	39.3	4.1
2002	11	1	41.8	5.4	34.8	1.6	38.8	3.8
2002	11	2	39.2	4.0	32.0	0.0	34.3	1.3
2002	11	3	35.0	1.7	31.3	-0.4	33.2	0.7
2002	11	4	47.6	8.7	33.9	1.1	40.0	4.5
2002	11	5	42.7	5.9	33.0	0.6	39.1	3.9
2002	11	6	45.7	7.6	33.1	0.6	39.8	4.3
2002	11	7	44.6	7.0	25.0	-3.9	30.9	-0.6
2002	11	8	64.9	18.3	36.1	2.3	51.7	11.0
2002	11	9	62.4	16.9	54.5	12.5	58.9	14.9
2002	11	10	67.5	19.7	57.3	14.1	62.4	16.9
2002	11	11	70.0	21.1	45.6	7.6	57.0	13.9
2002	11	12	50.2	10.1	45.3	7.4	47.8	8.8
2002	11	13	46.8	8.2	42.0	5.6	44.9	7.2
2002	11	14	57.7	14.3	38.5	3.6	48.0	8.9
2002	11	15	50.6	10.3	30.3	-0.9	40.7	4.8
2002	11	16	34.3	1.3	28.1	-2.2	31.7	-0.2
2002	11	17	36.0	2.2	33.6	0.9	35.1	1.7
2002	11	18	42.4	5.8	33.3	0.7	38.0	3.4
2002	11	19	42.1	5.6	33.9	1.1	37.4	3.0
2002	11	20	52.0	11.1	39.7	4.3	45.7	7.6
2002	11	21	51.3	10.7	43.2	6.2	46.3	7.9
2002	11	22	45.4	7.4	33.9	1.1	42.1	5.6
2002	11	23	38.5	3.6	31.0	-0.6	34.5	1.4
2002	11	24	44.0	6.7	37.8	3.2	42.7	5.9
2002	11	27	29.6	-1.3	24.2	-4.3	27.9	-2.3
2002	11	28	34.5	1.4	21.8	-5.7	29.2	-1.6
2002	11	29	43.1	6.2	29.4	-1.4	33.8	1.0
2002	11	30	43.8	6.6	30.6	-0.8	39.3	4.0
2002	12	1	29.7	-1.3	23.7	-4.6	25.6	-3.5

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2002	12	2	30.1	-1.1	17.5	-8.1	24.9	-3.9
2002	12	3	25.7	-3.5	9.3	-12.6	18.2	-7.7
2002	12	4	28.0	-2.2	14.6	-9.7	24.0	-4.5
2002	12	5	27.6	-2.4	21.8	-5.7	24.8	-4.0
2002	12	6	32.4	0.2	25.4	-3.7	29.6	-1.3
2002	12	7	37.3	2.9	21.6	-5.8	30.5	-0.8
2002	12	8	38.1	3.4	15.1	-9.4	30.9	-0.6
2002	12	9	23.8	-4.6	5.4	-14.8	15.5	-9.2
2002	12	10	35.9	2.2	19.7	-6.8	27.7	-2.4
2002	12	11	37.1	2.8	25.4	-3.7	31.0	-0.6
2002	12	12	39.6	4.2	34.2	1.2	37.3	2.9
2002	12	13	39.1	3.9	32.6	0.3	35.7	2.1
2002	12	14	40.4	4.7	33.9	1.1	37.4	3.0
2002	12	15	39.0	3.9	33.4	0.8	36.0	2.2
2002	12	16	32.8	0.4	21.3	-5.9	24.8	-4.0
2002	12	17	23.3	-4.8	16.2	-8.8	19.9	-6.7
2002	12	18	35.1	1.7	13.2	-10.4	25.1	-3.8
2002	12	19	42.5	5.8	30.9	-0.6	37.1	2.8
2002	12	20	48.8	9.3	37.6	3.1	42.1	5.6
2002	12	21	37.3	2.9	33.8	1.0	35.7	2.1
2002	12	22	41.7	5.4	34.2	1.2	37.7	3.2
2002	12	23	36.0	2.2	31.4	-0.3	33.6	0.9
2002	12	24	33.5	0.8	27.8	-2.3	30.7	-0.7
2002	12	25	29.1	-1.6	26.6	-3.0	27.8	-2.3
2002	12	26	36.2	2.3	27.5	-2.5	32.7	0.4
2002	12	27	32.9	0.5	28.2	-2.1	30.3	-0.9
2002	12	28	34.8	1.6	27.9	-2.3	30.9	-0.6
2002	12	29	37.0	2.8	29.9	-1.2	35.3	1.9
2002	12	30	35.4	1.9	25.0	-3.9	30.5	-0.8
2002	12	31	47.9	8.8	34.8	1.6	41.8	5.4
2003	1	1	38.1	3.4	23.8	-4.6	32.1	0.1
2003	1	2	25.8	-3.4	18.0	-7.8	21.7	-5.7
2003	1	3	30.3	-0.9	22.7	-5.2	26.3	-3.2
2003	1	4	30.2	-1.0	27.0	-2.8	28.3	-2.1
2003	1	5	30.4	-0.9	24.8	-4.0	27.6	-2.5
2003	1	6	32.2	0.1	24.6	-4.1	28.4	-2.0
2003	1	7	28.9	-1.7	18.6	-7.4	22.8	-5.1
2003	1	8	38.0	3.3	29.3	-1.5	35.2	1.8
2003	1	9	37.9	3.3	22.7	-5.2	26.3	-3.2
2003	1	10	25.7	-3.5	19.7	-6.8	22.3	-5.4
2003	1	11	27.7	-2.4	21.6	-5.8	25.7	-3.5
2003	1	12	32.0	0.0	25.8	-3.4	28.4	-2.0
2003	1	13	29.2	-1.6	18.3	-7.6	23.5	-4.7
2003	1	14	20.3	-6.5	5.9	-14.5	14.5	-9.7
2003	1	15	25.2	-3.8	14.6	-9.7	20.2	-6.6
2003	1	16	24.4	-4.2	9.8	-12.3	18.7	-7.4
2003	1	17	21.5	-5.8	-0.2	-17.9	10.4	-12.0
2003	1	18	19.7	-6.8	-0.7	-18.2	10.2	-12.1
2003	1	19	25.0	-3.9	14.4	-9.8	19.9	-6.7

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2003	1	20	23.6	-4.7	13.2	-10.4	18.9	-7.3
2003	1	21	15.4	-9.2	0.1	-17.7	7.8	-13.5
2003	1	22	11.5	-11.4	3.2	-16.0	7.7	-13.5
2003	1	23	10.3	-12.1	0.5	-17.5	5.7	-14.6
2003	1	24	22.4	-5.3	8.2	-13.2	13.5	-10.3
2003	1	25	24.0	-4.4	18.8	-7.3	21.2	-6.0
2003	1	26	25.6	-3.6	10.3	-12.1	20.9	-6.2
2003	1	27	8.5	-13.1	-6.7	-21.5	-1.4	-18.5
2003	1	28	18.1	-7.7	-4.4	-20.2	9.4	-12.5
2003	1	29	28.1	-2.2	18.3	-7.6	24.3	-4.3
2003	1	30	27.4	-2.6	12.9	-10.6	21.5	-5.9
2003	1	31	35.9	2.2	17.8	-7.9	27.9	-2.3
2003	2	1	37.7	3.2	32.9	0.5	34.4	1.3
2003	2	2	34.8	1.6	31.9	-0.1	33.9	1.1
2003	2	3	36.4	2.4	26.0	-3.3	31.0	-0.5
2003	2	4	39.2	4.0	28.0	-2.2	34.2	1.2
2003	2	5	26.8	-2.9	20.1	-6.6	23.0	-5.0
2003	2	6	29.7	-1.3	15.5	-9.2	23.4	-4.8
2003	2	7	28.8	-1.8	18.2	-7.7	22.8	-5.1
2003	2	8	28.2	-2.1	18.1	-7.7	23.2	-4.9
2003	2	9	26.3	-3.2	17.7	-7.9	23.8	-4.5
2003	2	10	29.8	-1.2	15.5	-9.2	23.4	-4.8
2003	2	11	14.0	-10.0	-4.9	-20.5	6.3	-14.3
2003	2	12	21.9	-5.6	14.3	-9.8	16.8	-8.5
2003	2	13	14.9	-9.5	10.4	-12.0	12.6	-10.8
2003	2	14	18.5	-7.5	9.1	-12.7	13.9	-10.1
2003	2	15	12.4	-10.9	0.0	-17.8	2.9	-16.1
2003	2	16	8.3	-13.2	-2.5	-19.2	2.7	-16.3
2003	2	17	17.0	-8.3	7.0	-13.9	12.8	-10.7
2003	2	18	29.8	-1.2	16.7	-8.5	23.0	-5.0
2003	2	19	37.6	3.1	29.4	-1.4	33.2	0.7
2003	2	20	41.9	5.5	29.2	-1.6	34.5	1.4
2003	2	21	41.7	5.4	34.2	1.2	38.4	3.6
2003	2	22	39.7	4.3	32.2	0.1	35.7	2.1
2003	2	23	37.6	3.1	20.9	-6.2	26.8	-2.9
2003	2	24	20.5	-6.4	11.0	-11.7	16.6	-8.6
2003	2	25	16.0	-8.9	8.7	-12.9	11.7	-11.3
2003	2	26	23.7	-4.6	1.3	-17.1	13.3	-10.4
2003	2	27	29.9	-1.2	11.1	-11.6	22.4	-5.3
2003	2	28	33.4	0.8	27.8	-2.3	30.4	-0.9
2003	3	1	36.3	2.4	26.1	-3.3	31.0	-0.6
2003	3	2	37.2	2.9	11.1	-11.6	31.6	-0.2
2003	3	3	6.3	-14.3	-4.7	-20.4	1.3	-17.1
2003	3	4	38.7	3.7	2.1	-16.6	23.1	-4.9
2003	3	5	39.7	4.3	22.8	-5.1	31.5	-0.3
2003	3	6	24.7	-4.1	11.7	-11.3	19.6	-6.9
2003	3	7	33.7	0.9	6.9	-13.9	22.0	-5.6
2003	3	8	41.4	5.2	31.5	-0.3	35.8	2.1
2003	3	9	37.1	2.8	15.0	-9.4	22.1	-5.5

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2003	3	10	19.1	-7.2	12.6	-10.8	15.8	-9.0
2003	3	11	35.0	1.7	15.0	-9.4	24.0	-4.5
2003	3	12	37.7	3.2	29.5	-1.4	33.3	0.7
2003	3	13	28.3	-2.1	20.1	-6.6	22.8	-5.1
2003	3	14	28.0	-2.2	15.2	-9.3	21.6	-5.8
2003	3	15	39.0	3.9	28.8	-1.8	32.8	0.4
2003	3	16	61.2	16.2	32.8	0.4	47.7	8.7
2003	3	17	53.2	11.8	39.7	4.3	48.3	9.1
2003	3	18	39.1	3.9	34.0	1.1	37.1	2.8
2003	3	19	46.4	8.0	30.4	-0.9	36.6	2.6
2003	3	20	40.9	4.9	33.5	0.8	37.5	3.1
2003	3	21	49.0	9.4	38.1	3.4	41.7	5.4
2003	3	22	42.5	5.8	35.3	1.8	38.5	3.6
2003	3	23	39.3	4.1	34.8	1.6	36.5	2.5
2003	3	24	48.3	9.1	34.2	1.2	41.5	5.3
2003	3	25	68.4	20.2	42.8	6.0	50.6	10.4
2003	3	26	44.0	6.7	35.7	2.1	38.3	3.5
2003	3	27	43.6	6.4	33.8	1.0	39.2	4.0
2003	3	28	68.2	20.1	42.9	6.1	56.2	13.4
2003	3	29	63.1	17.3	35.9	2.2	47.4	8.6
2003	3	30	35.8	2.1	29.1	-1.6	31.6	-0.2
2003	3	31	30.8	-0.7	24.0	-4.4	27.3	-2.6
2003	4	1	34.3	1.3	22.3	-5.4	29.2	-1.5
2003	4	2	34.8	1.6	31.0	-0.6	33.4	0.8
2003	4	3	33.1	0.6	28.8	-1.8	30.6	-0.8
2003	4	4	29.9	-1.2	24.8	-4.0	27.2	-2.7
2003	4	7	32.6	0.3	22.1	-5.5	27.3	-2.6
2003	4	8	34.0	1.1	28.0	-2.2	31.1	-0.5
2003	4	9	34.8	1.6	31.1	-0.5	32.8	0.5
2003	4	10	39.6	4.2	27.5	-2.5	32.6	0.3
2003	4	11	49.9	9.9	36.6	2.6	42.9	6.0
2003	4	12	40.0	4.4	33.1	0.6	36.8	2.7
2003	4	13	36.7	2.6	32.1	0.1	34.2	1.2
2003	4	14	59.0	15.0	32.8	0.4	47.9	8.9
2003	4	15	77.2	25.1	51.1	10.6	67.0	19.4
2003	4	16	72.8	22.7	32.4	0.2	39.9	4.4
2003	4	17	48.2	9.0	29.4	-1.4	38.1	3.4
2003	4	18	60.1	15.6	40.6	4.8	49.4	9.7
2003	4	19	60.0	15.6	44.9	7.2	50.4	10.2
2003	4	20	73.9	23.3	54.0	12.2	64.3	17.9
2003	4	21	64.4	18.0	51.5	10.8	56.9	13.8
2003	4	22	52.3	11.3	36.5	2.5	44.5	7.0
2003	4	23	36.3	2.4	31.3	-0.4	33.7	0.9
2003	4	24	42.9	6.1	33.8	1.0	37.5	3.1
2003	4	25	44.8	7.1	34.0	1.1	40.9	4.9
2003	4	26	48.2	9.0	38.0	3.3	42.8	6.0
2003	4	27	53.1	11.7	36.3	2.4	42.7	6.0
2003	4	28	70.4	21.3	50.8	10.4	60.7	15.9
2003	4	29	50.6	10.3	41.3	5.2	43.9	6.6

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2003	4	30	59.5	15.3	39.6	4.2	46.2	7.9
2003	5	1	78.8	26.0	44.2	6.8	58.0	14.4
2003	5	2	46.9	8.3	41.8	5.4	43.9	6.6
2003	5	3	47.8	8.8	38.4	3.6	41.4	5.2
2003	5	4	55.8	13.2	35.0	1.7	46.2	7.9
2003	5	5	65.6	18.7	46.7	8.2	54.2	12.3
2003	5	6	70.2	21.2	44.1	6.7	53.1	11.7
2003	5	7	49.7	9.8	41.9	5.5	45.1	7.3
2003	5	9	56.3	13.5	42.5	5.8	47.6	8.7
2003	5	10	64.6	18.1	49.5	9.7	55.3	12.9
2003	5	11	64.1	17.8	48.8	9.3	58.7	14.8
2003	5	12	54.2	12.3	42.7	5.9	48.6	9.2
2003	5	13	43.6	6.4	40.4	4.7	42.2	5.7
2003	5	14	49.4	9.7	42.1	5.6	44.6	7.0
2003	5	15	63.5	17.5	44.7	7.1	55.1	12.8
2003	5	16	62.6	17.0	53.8	12.1	57.4	14.1
2003	5	17	60.1	15.6	46.8	8.2	54.2	12.3
2003	5	18	64.4	18.0	54.6	12.6	59.1	15.0
2003	5	19	64.7	18.2	52.1	11.2	59.0	15.0
2003	5	20	76.7	24.8	51.7	10.9	64.4	18.0
2003	5	21	44.6	7.0	41.8	5.4	43.5	6.4
2003	5	22	54.0	12.2	44.5	6.9	49.4	9.7
2003	5	23	63.3	17.4	51.0	10.6	56.7	13.7
2003	5	24	56.5	13.6	46.2	7.9	53.6	12.0
2003	5	25	61.6	16.4	48.1	8.9	52.0	11.1
2003	5	26	49.5	9.7	45.1	7.3	48.2	9.0
2003	5	27	54.1	12.3	44.7	7.1	49.8	9.9
2003	5	28	55.0	12.8	47.9	8.8	51.0	10.6
2003	5	29	57.1	13.9	48.5	9.2	53.0	11.6
2003	5	30	56.7	13.7	47.9	8.8	51.4	10.8
2003	5	31	57.6	14.2	47.5	8.6	53.1	11.7
2003	6	1	47.5	8.6	43.9	6.6	46.3	7.9
2003	6	2	53.9	12.2	43.6	6.4	49.2	9.6
2003	6	3	61.0	16.1	43.4	6.3	52.8	11.6
2003	6	4	66.7	19.3	51.9	11.1	59.5	15.3
2003	6	5	58.6	14.8	48.0	8.9	53.9	12.1
2003	6	6	61.1	16.2	47.9	8.8	55.6	13.1
2003	6	7	63.9	17.7	60.0	15.6	61.9	16.6
2003	6	8	74.7	23.7	58.8	14.9	65.3	18.5
2003	6	9	66.3	19.1	49.4	9.7	59.0	15.0
2003	6	10	68.3	20.2	49.1	9.5	58.2	14.5
2003	6	11	70.6	21.4	54.7	12.6	66.0	18.9
2003	6	12	64.8	18.2	51.4	10.8	57.6	14.2
2003	6	13	67.3	19.6	57.5	14.2	62.4	16.9
2003	6	14	60.7	15.9	52.3	11.3	55.4	13.0
2003	6	15	60.3	15.7	49.1	9.5	54.1	12.3
2003	6	16	63.2	17.3	47.1	8.4	57.1	13.9
2003	6	17	72.0	22.2	58.3	14.6	66.2	19.0
2003	6	18	65.2	18.4	61.1	16.2	63.2	17.3

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2003	6	19	62.0	16.7	56.8	13.8	59.3	15.2
2003	6	20	62.0	16.7	55.1	12.8	58.1	14.5
2003	6	21	59.4	15.2	54.4	12.4	56.7	13.7
2003	6	22	63.6	17.6	55.6	13.1	59.2	15.1
2003	6	23	67.2	19.6	56.5	13.6	61.3	16.3
2003	6	24	80.1	26.7	61.6	16.4	68.2	20.1
2003	6	25	80.0	26.7	67.4	19.7	73.7	23.2
2003	6	26	85.0	29.4	73.2	22.9	78.4	25.8
2003	6	27	77.5	25.3	61.2	16.2	65.8	18.8
2003	6	28	78.5	25.8	60.5	15.8	70.0	21.1
2003	6	29	78.6	25.9	65.4	18.6	73.1	22.8
2003	6	30	66.4	19.1	60.6	15.9	63.3	17.4
2003	7	1	73.8	23.2	59.1	15.1	65.7	18.7
2003	7	2	80.4	26.9	58.9	14.9	72.1	22.3
2003	7	3	81.1	27.3	68.9	20.5	74.3	23.5
2003	7	4	80.0	26.7	69.8	21.0	74.8	23.8
2003	7	5	75.1	23.9	68.4	20.2	72.8	22.6
2003	7	6	74.5	23.6	65.9	18.8	70.5	21.4
2003	7	7	74.2	23.4	64.2	17.9	69.6	20.9
2003	7	8	75.2	24.0	69.1	20.6	72.1	22.3
2003	7	9	70.8	21.6	66.0	18.9	68.6	20.3
2003	7	10	77.7	25.4	56.5	13.6	67.6	19.8
2003	7	11	74.7	23.7	61.9	16.6	67.8	19.9
2003	7	12	70.8	21.6	61.8	16.6	65.8	18.8
2003	7	13	69.9	21.1	59.6	15.3	64.4	18.0
2003	7	14	74.1	23.4	60.8	16.0	67.8	19.9
2003	7	15	83.6	28.7	65.3	18.5	74.9	23.8
2003	7	16	69.9	21.1	63.4	17.4	66.1	19.0
2003	7	17	77.2	25.1	62.4	16.9	68.7	20.4
2003	7	18	68.8	20.4	62.8	17.1	66.9	19.4
2003	7	19	70.4	21.3	57.9	14.4	65.4	18.5
2003	7	20	72.7	22.6	59.2	15.1	66.5	19.1
2003	7	21	73.0	22.8	67.0	19.4	69.3	20.7
2003	7	22	69.7	20.9	65.4	18.6	67.6	19.8
2003	7	23	70.7	21.5	64.7	18.2	68.8	20.4
2003	7	24	68.0	20.0	63.2	17.3	65.8	18.8
2003	7	25	76.7	24.8	62.9	17.2	70.1	21.2
2003	7	26	78.2	25.7	67.6	19.8	73.0	22.8
2003	7	27	75.2	24.0	66.9	19.4	71.7	22.0
2003	7	28	71.2	21.8	64.4	18.0	67.0	19.4
2003	7	29	71.6	22.0	59.5	15.3	67.2	19.6
2003	7	30	76.3	24.6	61.0	16.1	69.8	21.0
2003	7	31	81.5	27.5	66.2	19.0	74.4	23.5
2003	8	1	70.7	21.5	63.1	17.3	66.8	19.3
2003	8	2	81.2	27.3	64.3	17.9	70.3	21.3
2003	8	3	78.9	26.1	66.6	19.2	71.9	22.1
2003	8	4	75.1	23.9	70.3	21.3	73.1	22.8
2003	8	5	74.7	23.7	66.4	19.1	70.6	21.4
2003	8	6	71.8	22.1	66.8	19.3	69.3	20.7

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2003	8	7	75.7	24.3	65.4	18.6	71.4	21.9
2003	8	8	74.9	23.8	67.4	19.7	71.5	22.0
2003	8	9	76.0	24.4	68.3	20.2	72.4	22.5
2003	8	10	74.2	23.4	69.4	20.8	71.8	22.1
2003	8	11	75.3	24.1	67.4	19.7	72.2	22.3
2003	8	12	76.4	24.7	69.3	20.7	73.6	23.1
2003	8	13	77.0	25.0	69.1	20.6	73.1	22.8
2003	8	14	77.6	25.3	70.6	21.4	75.2	24.0
2003	8	15	81.7	27.6	68.1	20.1	77.0	25.0
2003	8	16	77.6	25.3	71.9	22.2	75.9	24.4
2003	8	17	72.3	22.4	65.2	18.4	69.1	20.6
2003	8	18	74.1	23.4	59.9	15.5	68.5	20.3
2003	8	19	75.8	24.3	62.4	16.9	69.6	20.9
2003	8	20	76.8	24.9	64.3	17.9	70.8	21.6
2003	8	21	82.0	27.8	66.4	19.1	75.3	24.1
2003	8	22	75.3	24.1	70.1	21.2	73.7	23.2
2003	8	23	73.1	22.8	66.5	19.2	69.7	20.9
2003	8	24	68.6	20.3	63.3	17.4	65.3	18.5
2003	8	25	73.8	23.2	63.9	17.7	69.3	20.7
2003	8	26	77.6	25.3	63.5	17.5	70.9	21.6
2003	8	27	74.4	23.6	66.3	19.1	72.8	22.6
2003	8	28	67.8	19.9	57.4	14.1	62.8	17.1
2003	8	29	83.6	28.7	60.2	15.7	71.3	21.8
2003	8	30	71.6	22.0	54.5	12.5	62.8	17.1
2003	8	31	69.1	20.6	51.1	10.6	61.1	16.2
2003	9	1	67.2	19.6	59.5	15.3	62.7	17.1
2003	9	2	67.4	19.7	57.0	13.9	62.5	16.9
2003	9	3	67.8	19.9	59.9	15.5	64.4	18.0
2003	9	4	69.4	20.8	64.6	18.1	67.5	19.7
2003	9	5	65.8	18.8	55.1	12.8	61.7	16.5
2003	9	6	67.8	19.9	54.1	12.3	60.9	16.1
2003	9	7	70.3	21.3	55.9	13.3	64.6	18.1
2003	9	8	70.1	21.2	59.8	15.4	64.9	18.3
2003	9	9	70.8	21.6	49.9	9.9	62.9	17.2
2003	9	10	69.9	21.1	51.7	10.9	61.2	16.2
2003	9	11	72.2	22.3	55.3	12.9	65.3	18.5
2003	9	12	76.4	24.7	62.6	17.0	68.6	20.3
2003	9	13	73.2	22.9	59.9	15.5	66.2	19.0
2003	9	14	84.0	28.9	67.5	19.7	74.5	23.6
2003	9	15	79.4	26.3	61.4	16.3	70.8	21.6
2003	9	16	69.1	20.6	56.6	13.7	62.8	17.1
2003	9	17	70.4	21.3	52.6	11.4	63.6	17.5
2003	9	18	75.3	24.1	57.8	14.3	66.5	19.2
2003	9	19	80.0	26.7	65.3	18.5	69.9	21.0
2003	9	20	66.6	19.2	53.9	12.2	61.6	16.4
2003	9	21	66.6	19.2	51.2	10.7	59.1	15.1
2003	9	22	71.8	22.1	54.2	12.3	63.3	17.4
2003	9	23	64.1	17.8	56.0	13.3	61.5	16.4
2003	9	24	69.2	20.7	53.7	12.1	61.7	16.5

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2003	9	25	66.7	19.3	52.7	11.5	61.1	16.2
2003	9	26	68.5	20.3	47.1	8.4	58.3	14.6
2003	9	27	78.5	25.8	58.4	14.7	68.0	20.0
2003	9	28	61.3	16.3	52.7	11.5	56.6	13.7
2003	9	29	57.9	14.4	48.8	9.3	53.9	12.2
2003	9	30	59.6	15.3	45.1	7.3	52.1	11.2
2003	10	1	50.6	10.3	43.9	6.6	47.1	8.4
2003	10	2	49.0	9.4	39.4	4.1	44.4	6.9
2003	10	3	55.7	13.2	37.0	2.8	48.4	9.1
2003	10	4	51.0	10.6	41.3	5.2	46.3	8.0
2003	10	5	52.1	11.2	39.4	4.1	47.3	8.5
2003	10	6	49.9	9.9	41.2	5.1	46.0	7.8
2003	10	7	54.7	12.6	39.4	4.1	47.1	8.4
2003	10	8	67.9	19.9	43.6	6.4	57.5	14.1
2003	10	9	65.7	18.7	56.2	13.4	61.6	16.5
2003	10	10	70.1	21.2	58.1	14.5	63.3	17.4
2003	10	11	65.6	18.7	54.8	12.7	60.9	16.1
2003	10	12	71.7	22.1	54.5	12.5	60.0	15.6
2003	10	13	57.7	14.3	47.0	8.3	53.5	11.9
2003	10	14	65.7	18.7	47.6	8.7	56.6	13.7
2003	10	15	53.2	11.8	48.0	8.9	51.0	10.6
2003	10	16	52.4	11.3	47.8	8.8	50.5	10.3
2003	10	17	50.0	10.0	43.1	6.2	47.5	8.6
2003	10	18	47.1	8.4	40.9	4.9	45.0	7.2
2003	10	19	47.4	8.6	40.1	4.5	43.8	6.5
2003	10	20	58.9	14.9	38.9	3.8	48.6	9.2
2003	10	21	61.1	16.2	40.2	4.6	48.4	9.1
2003	10	22	41.7	5.4	38.3	3.5	40.4	4.7
2003	10	23	41.4	5.2	38.8	3.8	40.2	4.5
2003	10	24	44.3	6.8	37.2	2.9	41.0	5.0
2003	10	25	52.5	11.4	39.6	4.2	47.1	8.4
2003	10	26	62.0	16.7	48.3	9.1	51.9	11.0
2003	10	27	48.9	9.4	45.7	7.6	47.0	8.4
2003	10	28	51.6	10.9	40.2	4.6	46.8	8.2
2003	10	29	50.6	10.3	43.5	6.4	47.1	8.4
2003	10	30	51.4	10.8	42.4	5.8	48.2	9.0
2003	11	1	68.9	20.5	50.7	10.4	56.3	13.5
2003	11	2	50.1	10.1	45.5	7.5	47.7	8.7
2003	11	4	52.2	11.2	43.3	6.3	46.7	8.2
2003	11	5	66.9	19.4	47.7	8.7	56.7	13.7
2003	11	6	47.2	8.4	44.4	6.9	45.3	7.4
2003	11	7	46.5	8.1	38.2	3.4	43.8	6.6
2003	11	8	36.4	2.4	29.9	-1.2	33.7	1.0
2003	11	9	38.3	3.5	31.8	-0.1	34.8	1.6
2003	11	10	41.8	5.4	29.2	-1.6	35.7	2.1
2003	11	11	48.4	9.1	35.8	2.1	40.7	4.8
2003	11	12	55.9	13.3	48.7	9.3	52.2	11.2
2003	11	13	55.2	12.9	32.9	0.5	41.3	5.2
2003	11	14	38.9	3.8	28.1	-2.2	33.7	1.0

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2003	11	15	36.9	2.7	31.6	-0.2	33.9	1.1
2003	11	16	41.9	5.5	34.5	1.4	37.6	3.1
2003	11	17	41.4	5.2	35.8	2.1	39.8	4.3
2003	11	18	54.0	12.2	38.9	3.8	47.4	8.6
2003	11	19	58.9	14.9	46.7	8.2	53.8	12.1
2003	11	20	46.1	7.8	37.6	3.1	44.1	6.7
2003	11	21	51.8	11.0	38.8	3.8	45.0	7.2
2003	11	22	48.2	9.0	36.0	2.2	42.8	6.0
2003	11	23	63.4	17.4	44.5	6.9	52.5	11.4
2003	11	24	62.5	16.9	33.7	0.9	49.2	9.5
2003	11	25	37.1	2.8	32.6	0.3	34.8	1.5
2003	11	26	44.1	6.7	33.4	0.8	38.4	3.6
2003	11	27	50.7	10.4	36.6	2.6	42.7	5.9
2003	11	28	50.6	10.3	41.4	5.2	45.6	7.5
2003	11	29	40.6	4.8	32.7	0.4	36.8	2.6
2003	11	30	44.0	6.7	35.4	1.9	39.3	4.0
2003	12	1	47.3	8.5	33.9	1.1	38.5	3.6
2003	12	2	32.3	0.2	22.0	-5.6	25.2	-3.8
2003	12	3	32.2	0.1	21.4	-5.9	25.3	-3.7
2003	12	4	36.9	2.7	19.4	-7.0	31.2	-0.5
2003	12	5	29.2	-1.6	16.5	-8.6	22.4	-5.3
2003	12	6	25.0	-3.9	19.5	-6.9	21.9	-5.6
2003	12	7	28.4	-2.0	21.4	-5.9	25.1	-3.9
2003	12	8	31.0	-0.6	17.3	-8.2	25.1	-3.8
2003	12	9	34.5	1.4	25.6	-3.6	30.4	-0.9
2003	12	10	44.9	7.2	33.3	0.7	38.8	3.8
2003	12	11	44.2	6.8	34.0	1.1	40.7	4.8
2003	12	12	33.7	0.9	25.6	-3.6	30.2	-1.0
2003	12	13	24.9	-3.9	17.4	-8.1	22.5	-5.3
2003	12	14	24.5	-4.2	16.9	-8.4	20.1	-6.6
2003	12	15	34.4	1.3	25.4	-3.7	30.2	-1.0
2003	12	16	44.9	7.2	21.9	-5.6	35.0	1.7
2003	12	17	40.8	4.9	29.7	-1.3	35.1	1.7
2003	12	18	34.9	1.6	29.2	-1.6	32.1	0.1
2003	12	19	34.3	1.3	28.6	-1.9	31.2	-0.4
2003	12	20	27.9	-2.3	23.8	-4.6	25.6	-3.6
2003	12	21	36.9	2.7	22.5	-5.3	30.3	-0.9
2003	12	22	46.5	8.1	33.5	0.8	41.6	5.4
2003	12	23	52.8	11.6	41.3	5.2	46.8	8.2
2003	12	24	49.4	9.7	36.9	2.7	42.3	5.7
2003	12	25	37.3	2.9	33.2	0.7	35.5	1.9
2003	12	26	40.6	4.8	32.2	0.1	36.6	2.6
2003	12	27	36.4	2.4	29.7	-1.3	33.3	0.7
2003	12	28	49.7	9.8	27.3	-2.6	38.6	3.7
2003	12	29	54.4	12.4	40.3	4.6	45.9	7.7
2003	12	30	48.5	9.2	37.4	3.0	40.7	4.8
2003	12	31	44.6	7.0	32.6	0.3	38.6	3.7
2004	1	1	37.4	3.0	32.3	0.2	36.1	2.3
2004	1	2	40.4	4.7	32.6	0.3	37.2	2.9

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2004	1	3	58.4	14.7	41.2	5.1	48.5	9.2
2004	1	4	43.5	6.4	29.9	-1.2	35.8	2.1
2004	1	5	30.8	-0.7	26.5	-3.1	28.4	-2.0
2004	1	6	29.7	-1.3	14.8	-9.6	24.6	-4.1
2004	1	7	20.3	-6.5	13.5	-10.3	17.8	-7.9
2004	1	8	15.2	-9.3	1.2	-17.1	8.4	-13.1
2004	1	9	1.7	-16.8	-6.3	-21.3	-1.4	-18.6
2004	1	10	2.3	-16.5	-8.4	-22.4	-1.7	-18.7
2004	1	11	24.5	-4.2	0.9	-17.3	15.2	-9.3
2004	1	12	31.2	-0.4	19.4	-7.0	24.6	-4.1
2004	1	13	33.7	0.9	2.4	-16.4	20.6	-6.3
2004	1	14	0.5	-17.5	-12.8	-24.9	-5.3	-20.7
2004	1	15	2.6	-16.3	-5.3	-20.7	-1.5	-18.6
2004	1	16	18.0	-7.8	1.4	-17.0	10.3	-12.0
2004	1	17	20.7	-6.3	15.0	-9.4	17.9	-7.9
2004	1	18	30.3	-0.9	20.9	-6.2	27.1	-2.7
2004	1	19	20.0	-6.7	12.0	-11.1	15.2	-9.3
2004	1	20	19.7	-6.8	11.0	-11.7	14.8	-9.6
2004	1	21	19.5	-6.9	12.6	-10.8	15.8	-9.0
2004	1	22	27.9	-2.3	17.4	-8.1	22.2	-5.5
2004	1	23	17.0	-8.3	9.0	-12.8	13.0	-10.6
2004	1	24	11.5	-11.4	0.4	-17.6	5.0	-15.0
2004	1	25	9.0	-12.8	-7.7	-22.1	2.3	-16.5
2004	1	26	13.8	-10.1	0.0	-17.8	7.8	-13.4
2004	1	27	19.6	-6.9	12.1	-11.1	16.2	-8.8
2004	1	28	27.6	-2.4	20.1	-6.6	25.5	-3.6
2004	1	29	25.1	-3.8	18.8	-7.3	21.2	-6.0
2004	1	30	22.1	-5.5	17.8	-7.9	19.9	-6.7
2004	1	31	20.6	-6.3	12.4	-10.9	17.2	-8.2
2004	2	1	22.5	-5.3	17.0	-8.3	19.3	-7.1
2004	2	2	27.4	-2.6	16.7	-8.5	22.6	-5.2
2004	2	3	33.1	0.6	27.8	-2.3	30.4	-0.9
2004	2	4	34.6	1.4	27.4	-2.6	29.8	-1.2
2004	2	5	28.4	-2.0	22.5	-5.3	24.3	-4.3
2004	2	6	37.6	3.1	23.7	-4.6	31.1	-0.5
2004	2	7	35.7	2.1	16.2	-8.8	27.6	-2.5
2004	2	8	27.6	-2.4	11.9	-11.2	20.5	-6.4
2004	2	9	38.3	3.5	20.9	-6.2	30.5	-0.9
2004	2	10	36.2	2.3	29.8	-1.2	32.8	0.4
2004	2	11	30.8	-0.7	23.0	-5.0	25.9	-3.4
2004	2	12	31.1	-0.5	20.8	-6.2	25.9	-3.4
2004	2	13	33.2	0.7	29.5	-1.4	31.6	-0.3
2004	2	14	31.3	-0.4	13.0	-10.6	27.6	-2.4
2004	2	15	11.6	-11.3	2.6	-16.3	7.0	-13.9
2004	2	16	18.0	-7.8	8.9	-12.8	15.2	-9.3
2004	2	17	30.5	-0.8	11.1	-11.6	21.0	-6.1
2004	2	18	27.9	-2.3	17.6	-8.0	24.0	-4.5
2004	2	19	33.0	0.6	24.6	-4.1	29.7	-1.3
2004	2	20	36.3	2.4	25.6	-3.6	31.6	-0.2

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2004	2	21	38.0	3.3	31.6	-0.2	33.9	1.1
2004	2	22	32.8	0.4	28.6	-1.9	31.0	-0.6
2004	2	23	31.3	-0.4	22.6	-5.2	25.5	-3.6
2004	2	24	29.4	-1.4	22.6	-5.2	24.6	-4.1
2004	2	25	33.7	0.9	23.0	-5.0	27.7	-2.4
2004	2	26	30.1	-1.1	22.6	-5.2	26.4	-3.1
2004	2	27	31.4	-0.3	25.6	-3.6	28.1	-2.1
2004	2	28	39.0	3.9	25.7	-3.5	34.1	1.1
2004	2	29	47.1	8.4	33.9	1.1	40.6	4.8
2004	3	1	54.7	12.6	34.8	1.6	45.7	7.6
2004	3	2	53.7	12.1	37.8	3.2	44.9	7.2
2004	3	3	39.4	4.1	35.8	2.1	37.4	3.0
2004	3	4	39.8	4.3	37.9	3.3	39.0	3.9
2004	3	5	55.0	12.8	38.5	3.6	46.2	7.9
2004	3	6	53.7	12.1	31.8	-0.1	39.2	4.0
2004	3	7	37.3	2.9	30.1	-1.1	33.0	0.5
2004	3	8	35.2	1.8	29.5	-1.4	31.7	-0.2
2004	3	9	33.9	1.1	29.4	-1.4	31.4	-0.4
2004	3	10	35.4	1.9	27.3	-2.6	32.4	0.2
2004	3	11	45.6	7.6	30.6	-0.8	38.2	3.5
2004	3	12	37.7	3.2	27.9	-2.3	30.9	-0.6
2004	3	13	29.8	-1.2	20.8	-6.2	25.5	-3.6
2004	3	14	42.5	5.8	18.6	-7.4	32.2	0.1
2004	3	15	37.5	3.1	31.7	-0.2	35.0	1.7
2004	3	16	31.0	-0.6	21.4	-5.9	26.2	-3.2
2004	3	17	30.7	-0.7	19.6	-6.9	25.3	-3.7
2004	3	18	29.3	-1.5	23.9	-4.5	27.1	-2.7
2004	3	19	33.3	0.7	21.5	-5.8	28.9	-1.7
2004	3	20	40.2	4.6	26.9	-2.8	35.0	1.7
2004	3	21	36.9	2.7	23.3	-4.8	30.6	-0.8
2004	3	22	27.3	-2.6	15.5	-9.2	20.5	-6.4
2004	3	23	34.9	1.6	22.3	-5.4	30.1	-1.1
2004	3	24	56.2	13.4	28.5	-1.9	41.0	5.0
2004	3	25	55.7	13.2	44.2	6.8	49.0	9.5
2004	3	26	61.7	16.5	50.4	10.2	55.2	12.9
2004	3	27	45.9	7.7	37.9	3.3	40.1	4.5
2004	3	28	50.6	10.3	35.9	2.2	42.6	5.9
2004	3	29	66.2	19.0	44.1	6.7	53.3	11.8
2004	3	30	62.1	16.7	41.4	5.2	51.0	10.5
2004	3	31	49.3	9.6	40.5	4.7	44.3	6.9
2004	4	1	41.2	5.1	38.7	3.7	39.9	4.4
2004	4	2	40.0	4.4	36.0	2.2	37.9	3.3
2004	4	3	37.5	3.1	34.8	1.6	36.1	2.3
2004	4	4	36.3	2.4	25.0	-3.9	30.4	-0.9
2004	4	5	36.1	2.3	20.0	-6.7	27.5	-2.5
2004	4	6	39.9	4.4	29.8	-1.2	33.9	1.0
2004	4	7	37.3	2.9	34.7	1.5	36.1	2.3
2004	4	8	41.5	5.3	32.7	0.4	38.2	3.4
2004	4	9	40.1	4.5	36.0	2.2	37.8	3.2

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2004	4	10	38.8	3.8	35.8	2.1	37.5	3.0
2004	4	11	37.1	2.8	34.0	1.1	35.5	2.0
2004	4	12	46.1	7.8	33.0	0.6	39.2	4.0
2004	4	13	44.4	6.9	38.4	3.6	40.3	4.6
2004	4	14	41.2	5.1	36.6	2.6	38.3	3.5
2004	4	15	41.0	5.0	34.7	1.5	38.7	3.7
2004	4	16	55.8	13.2	30.7	-0.7	42.5	5.8
2004	4	17	64.1	17.8	43.2	6.2	54.0	12.2
2004	4	18	62.9	17.2	37.7	3.2	50.4	10.2
2004	4	19	76.3	24.6	41.5	5.3	62.3	16.9
2004	4	20	42.4	5.8	38.9	3.8	40.4	4.7
2004	4	21	73.6	23.1	43.9	6.6	61.2	16.2
2004	4	22	58.1	14.5	43.6	6.4	48.1	9.0
2004	4	23	49.2	9.6	40.4	4.7	44.7	7.1
2004	4	24	44.0	6.7	40.6	4.8	41.5	5.3
2004	4	25	50.3	10.2	38.1	3.4	42.5	5.8
2004	4	26	54.2	12.3	42.7	5.9	47.4	8.5
2004	4	27	47.4	8.6	37.8	3.2	42.6	5.9
2004	4	28	49.2	9.6	35.5	1.9	40.6	4.8
2004	4	29	72.0	22.2	50.2	10.1	62.0	16.7
2004	4	30	72.5	22.5	57.6	14.2	65.5	18.6
2004	5	1	77.7	25.4	55.4	13.0	63.7	17.6
2004	5	2	79.5	26.4	41.1	5.1	56.2	13.4
2004	5	3	41.1	5.1	38.2	3.4	39.6	4.2
2004	5	4	47.2	8.4	37.3	2.9	41.3	5.2
2004	5	5	52.2	11.2	43.5	6.4	45.8	7.7
2004	5	11	62.4	16.9	52.1	11.2	57.0	13.9
2004	5	12	74.4	23.6	54.7	12.6	65.6	18.6
2004	5	13	74.6	23.7	64.6	18.1	69.9	21.1
2004	5	14	77.2	25.1	66.9	19.4	71.6	22.0
2004	5	15	72.7	22.6	46.8	8.2	55.3	12.9
2004	5	16	52.5	11.4	44.5	6.9	47.6	8.6
2004	5	17	78.7	25.9	45.5	7.5	64.1	17.8
2004	5	18	74.0	23.3	51.3	10.7	63.4	17.4
2004	5	19	54.2	12.3	48.0	8.9	51.5	10.8
2004	5	20	74.0	23.3	46.3	7.9	63.4	17.4
2004	5	21	63.4	17.4	51.6	10.9	54.7	12.6
2004	5	22	58.3	14.6	49.6	9.8	53.4	11.9
2004	5	23	60.7	15.9	50.2	10.1	55.1	12.9
2004	5	24	66.3	19.1	48.3	9.1	58.5	14.7
2004	5	25	58.7	14.8	49.0	9.4	53.6	12.0
2004	5	26	60.6	15.9	49.9	9.9	54.5	12.5
2004	5	27	67.5	19.7	49.5	9.7	56.9	13.8
2004	5	28	63.0	17.2	47.1	8.4	52.3	11.3
2004	5	29	54.1	12.3	44.8	7.1	49.6	9.8
2004	5	30	58.2	14.6	47.7	8.7	52.2	11.2
2004	5	31	66.5	19.2	50.3	10.2	57.1	14.0
2004	6	1	61.7	16.5	49.6	9.8	55.8	13.2
2004	6	2	56.1	13.4	49.4	9.7	52.9	11.6

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2004	6	3	53.5	11.9	45.2	7.3	50.9	10.5
2004	6	4	56.4	13.6	44.2	6.8	51.9	11.0
2004	6	5	66.9	19.4	52.5	11.4	59.2	15.1
2004	6	6	68.7	20.4	57.1	13.9	62.2	16.8
2004	6	7	71.3	21.8	59.1	15.1	66.0	18.9
2004	6	8	79.4	26.3	67.2	19.6	74.4	23.6
2004	6	9	76.0	24.4	61.1	16.2	69.7	21.0
2004	6	10	61.2	16.2	53.3	11.8	58.0	14.5
2004	6	11	62.0	16.7	48.8	9.3	55.9	13.3
2004	6	12	63.0	17.2	47.7	8.7	56.1	13.4
2004	6	13	75.8	24.3	56.5	13.6	64.5	18.1
2004	6	14	73.6	23.1	62.2	16.8	68.4	20.2
2004	6	15	67.5	19.7	62.1	16.7	64.5	18.0
2004	6	16	69.6	20.9	55.8	13.2	62.6	17.0
2004	6	17	70.0	21.1	61.8	16.6	66.3	19.0
2004	6	18	67.7	19.8	62.4	16.9	64.8	18.2
2004	6	19	62.6	17.0	56.6	13.7	58.4	14.6
2004	6	20	61.9	16.6	54.2	12.3	57.3	14.1
2004	6	21	69.0	20.6	52.6	11.4	62.6	17.0
2004	6	22	67.0	19.4	59.8	15.4	62.9	17.2
2004	6	23	67.3	19.6	58.0	14.4	61.0	16.1
2004	6	24	79.1	26.2	56.8	13.8	67.0	19.5
2004	6	25	58.4	14.7	49.6	9.8	54.2	12.4
2004	6	26	61.8	16.6	48.0	8.9	57.4	14.1
2004	6	27	66.4	19.1	52.3	11.3	60.8	16.0
2004	6	28	61.6	16.4	53.5	11.9	58.6	14.8
2004	6	29	70.9	21.6	57.7	14.3	62.7	17.1
2004	6	30	68.5	20.3	54.7	12.6	62.4	16.9
2004	7	1	77.4	25.2	62.9	17.2	69.3	20.7
2004	7	2	65.3	18.5	56.9	13.8	62.0	16.7
2004	7	3	71.5	21.9	55.4	13.0	64.8	18.2
2004	7	4	83.7	28.7	64.6	18.1	75.1	23.9
2004	7	5	76.4	24.7	61.3	16.3	70.1	21.2
2004	7	6	64.3	17.9	58.0	14.4	61.7	16.5
2004	7	7	74.2	23.4	61.0	16.1	67.2	19.6
2004	7	8	68.5	20.3	61.1	16.2	65.8	18.8
2004	7	9	65.2	18.4	62.1	16.7	63.5	17.5
2004	7	10	69.2	20.7	62.1	16.7	65.8	18.8
2004	7	11	74.9	23.8	60.0	15.6	67.4	19.7
2004	7	12	77.0	25.0	67.3	19.6	71.0	21.7
2004	7	13	75.9	24.4	66.1	18.9	70.3	21.3
2004	7	14	69.6	20.9	63.9	17.7	65.8	18.8
2004	7	15	66.6	19.2	62.3	16.8	64.4	18.0
2004	7	16	68.5	20.3	63.3	17.4	66.2	19.0
2004	7	17	70.5	21.4	65.2	18.4	67.3	19.6
2004	7	18	74.3	23.5	64.7	18.2	68.9	20.5
2004	7	19	73.0	22.8	63.6	17.6	67.5	19.7
2004	7	20	74.9	23.8	64.1	17.8	69.1	20.6
2004	7	21	81.2	27.3	65.4	18.6	72.7	22.6

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2004	7	22	84.9	29.4	71.8	22.1	76.0	24.4
2004	7	23	73.7	23.2	65.4	18.6	69.6	20.9
2004	7	24	69.8	21.0	59.8	15.4	64.9	18.3
2004	7	25	69.4	20.8	55.7	13.2	64.1	17.8
2004	7	26	69.0	20.6	63.4	17.4	66.5	19.2
2004	7	27	65.7	18.7	60.7	15.9	63.3	17.4
2004	7	28	70.0	21.1	60.8	16.0	65.5	18.6
2004	7	29	73.6	23.1	62.8	17.1	68.1	20.0
2004	7	30	80.5	26.9	67.3	19.6	74.8	23.8
2004	7	31	79.0	26.1	72.5	22.5	75.2	24.0
2004	8	1	72.3	22.4	64.0	17.8	69.8	21.0
2004	8	2	76.8	24.9	61.0	16.1	69.7	21.0
2004	8	3	74.1	23.4	67.5	19.7	70.7	21.5
2004	8	4	70.5	21.4	63.4	17.4	67.8	19.9
2004	8	5	67.6	19.8	61.9	16.6	64.1	17.9
2004	8	6	62.1	16.7	57.0	13.9	60.7	16.0
2004	8	7	64.6	18.1	53.0	11.7	61.3	16.3
2004	8	8	69.1	20.6	57.9	14.4	63.9	17.7
2004	8	9	73.6	23.1	61.5	16.4	68.1	20.1
2004	8	10	78.2	25.7	66.3	19.1	70.7	21.5
2004	8	11	73.2	22.9	63.9	17.7	67.6	19.8
2004	8	12	67.1	19.5	63.1	17.3	64.8	18.2
2004	8	13	67.6	19.8	62.4	16.9	65.5	18.6
2004	8	14	68.8	20.4	61.3	16.3	66.1	18.9
2004	8	15	70.8	21.6	55.7	13.2	64.7	18.2
2004	8	16	71.3	21.8	60.2	15.7	65.5	18.6
2004	8	17	72.2	22.3	58.1	14.5	66.1	19.0
2004	8	18	79.4	26.3	65.1	18.4	72.5	22.5
2004	8	19	73.0	22.8	63.5	17.5	69.4	20.8
2004	8	20	71.6	22.0	58.9	14.9	66.9	19.4
2004	8	21	66.8	19.3	56.5	13.6	62.7	17.1
2004	8	22	67.5	19.7	52.5	11.4	61.8	16.5
2004	8	23	72.7	22.6	59.5	15.3	66.3	19.1
2004	8	24	68.6	20.3	55.5	13.1	62.1	16.7
2004	8	25	80.8	27.1	59.7	15.4	70.5	21.4
2004	8	26	79.9	26.6	67.8	19.9	73.7	23.1
2004	8	27	84.8	29.3	70.6	21.4	75.8	24.3
2004	8	28	75.9	24.4	70.6	21.4	73.4	23.0
2004	8	29	78.4	25.8	69.9	21.1	72.1	22.3
2004	8	30	70.8	21.6	66.6	19.2	68.9	20.5
2004	8	31	70.2	21.2	64.6	18.1	67.1	19.5
2004	9	1	68.9	20.5	63.3	17.4	67.1	19.5
2004	9	2	69.4	20.8	56.3	13.5	63.2	17.3
2004	9	3	75.6	24.2	60.3	15.7	68.6	20.3
2004	9	4	73.8	23.2	65.3	18.5	69.9	21.0
2004	9	5	79.2	26.2	61.9	16.6	69.7	20.9
2004	9	6	77.6	25.3	62.1	16.7	69.5	20.8
2004	9	7	78.5	25.8	64.8	18.2	70.4	21.3
2004	9	8	66.9	19.4	63.8	17.7	65.2	18.4

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2004	9	9	73.0	22.8	52.8	11.6	62.0	16.7
2004	9	10	64.1	17.8	56.4	13.6	59.7	15.4
2004	9	11	67.7	19.8	55.5	13.1	62.0	16.6
2004	9	12	70.2	21.2	60.7	15.9	64.6	18.1
2004	9	13	66.9	19.4	57.0	13.9	61.8	16.5
2004	9	14	76.3	24.6	55.5	13.1	66.1	18.9
2004	9	15	75.9	24.4	64.2	17.9	69.0	20.6
2004	9	16	78.0	25.6	62.1	16.7	70.5	21.4
2004	9	17	67.5	19.7	56.7	13.7	62.3	16.8
2004	9	18	61.5	16.4	51.8	11.0	56.5	13.6
2004	9	19	57.1	13.9	47.6	8.7	52.3	11.3
2004	9	20	61.7	16.5	45.9	7.7	54.6	12.5
2004	9	21	66.3	19.1	54.4	12.4	60.6	15.9
2004	9	22	68.7	20.4	61.7	16.5	65.2	18.5
2004	9	23	68.3	20.2	61.3	16.3	64.9	18.3
2004	9	24	74.4	23.6	58.0	14.4	67.1	19.5
2004	9	25	72.8	22.7	64.7	18.2	67.7	19.8
2004	9	26	64.3	17.9	55.6	13.1	61.0	16.1
2004	9	27	68.6	20.3	53.5	11.9	62.1	16.7
2004	9	28	65.7	18.7	60.2	15.7	63.2	17.3
2004	9	29	63.4	17.4	52.5	11.4	58.3	14.6
2004	9	30	61.4	16.3	51.2	10.7	55.1	12.8
2004	10	1	65.4	18.6	50.2	10.1	58.1	14.5
2004	10	2	66.6	19.2	55.6	13.1	60.7	15.9
2004	10	3	61.2	16.2	44.7	7.1	54.5	12.5
2004	10	4	62.9	17.2	48.9	9.4	54.3	12.4
2004	10	5	52.6	11.4	38.5	3.6	47.5	8.6
2004	10	6	63.6	17.6	42.1	5.6	53.7	12.1
2004	10	7	65.9	18.8	52.8	11.6	59.0	15.0
2004	10	8	76.8	24.9	55.2	12.9	65.6	18.7
2004	10	9	68.7	20.4	58.7	14.8	63.4	17.4
2004	10	10	57.9	14.4	50.2	10.1	52.2	11.2
2004	10	11	50.2	10.1	47.9	8.8	48.9	9.4
2004	10	12	57.6	14.2	47.0	8.3	51.7	10.9
2004	10	13	58.6	14.8	41.7	5.4	51.9	11.1
2004	10	14	62.2	16.8	51.5	10.8	55.3	12.9
2004	10	15	61.3	16.3	50.1	10.1	54.8	12.7
2004	10	16	54.4	12.4	44.2	6.8	49.7	9.8
2004	10	17	49.5	9.7	42.1	5.6	44.2	6.8
2004	10	18	48.9	9.4	43.5	6.4	45.6	7.5
2004	10	19	50.3	10.2	43.7	6.5	47.1	8.4
2004	10	20	50.1	10.1	45.4	7.4	47.3	8.5
2004	10	21	46.3	7.9	42.8	6.0	44.5	6.9
2004	10	22	55.8	13.2	39.5	4.2	47.2	8.5
2004	10	23	53.5	11.9	39.4	4.1	46.1	7.8
2004	10	24	54.0	12.2	42.3	5.7	47.5	8.6
2004	10	25	49.6	9.8	46.0	7.8	47.9	8.8
2004	10	28	50.6	10.3	36.6	2.6	45.2	7.3
2004	10	29	56.0	13.3	40.2	4.6	49.8	9.9

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2004	10	30	69.2	20.7	52.4	11.3	61.3	16.3
2004	10	31	56.9	13.8	49.7	9.8	54.8	12.7
2004	11	1	49.2	9.6	39.2	4.0	44.0	6.7
2004	11	2	50.9	10.5	40.7	4.8	46.1	7.8
2004	11	3	46.5	8.1	35.6	2.0	41.1	5.1
2004	11	4	46.9	8.3	31.4	-0.3	38.6	3.7
2004	11	5	47.5	8.6	42.7	5.9	46.0	7.8
2004	11	6	53.1	11.7	44.1	6.7	49.9	10.0
2004	11	7	58.7	14.8	42.7	5.9	51.3	10.7
2004	11	8	42.2	5.7	33.9	1.1	39.1	3.9
2004	11	9	32.5	0.3	26.9	-2.8	30.1	-1.1
2004	11	10	48.6	9.2	26.6	-3.0	38.7	3.7
2004	11	11	51.8	11.0	34.0	1.1	43.2	6.2
2004	11	12	39.2	4.0	30.6	-0.8	35.0	1.7
2004	11	13	35.3	1.8	28.3	-2.1	32.2	0.1
2004	11	14	47.4	8.6	25.8	-3.4	38.8	3.8
2004	11	15	49.2	9.6	41.4	5.2	45.8	7.7
2004	11	16	47.1	8.4	38.1	3.4	42.6	5.9
2004	11	17	51.0	10.6	40.6	4.8	46.7	8.2
2004	11	18	51.0	10.6	47.7	8.7	49.6	9.8
2004	11	19	49.9	9.9	43.6	6.4	48.0	8.9
2004	11	20	46.5	8.1	40.8	4.9	43.6	6.4
2004	11	21	51.1	10.6	45.7	7.6	48.3	9.1
2004	11	22	46.1	7.8	36.8	2.7	43.7	6.5
2004	11	23	54.6	12.6	34.1	1.2	44.8	7.1
2004	11	24	56.0	13.3	48.1	8.9	50.6	10.3
2004	11	25	61.0	16.1	30.9	-0.6	41.3	5.1
2004	11	26	35.5	1.9	27.7	-2.4	32.4	0.2
2004	11	27	46.2	7.9	33.1	0.6	40.1	4.5
2004	11	28	47.8	8.8	42.9	6.1	45.7	7.6
2004	11	29	42.4	5.8	36.9	2.7	38.7	3.7
2004	11	30	46.0	7.8	34.1	1.2	40.9	4.9
2004	12	1	45.4	7.4	39.0	3.9	41.9	5.5
2004	12	2	42.2	5.7	33.3	0.7	37.3	3.0
2004	12	3	37.6	3.1	29.3	-1.5	33.2	0.7
2004	12	4	44.6	7.0	25.3	-3.7	34.9	1.6
2004	12	5	45.1	7.3	28.2	-2.1	37.0	2.8
2004	12	6	29.8	-1.2	25.0	-3.9	27.0	-2.8
2004	12	7	48.0	8.9	30.3	-0.9	36.2	2.4
2004	12	8	48.8	9.3	40.5	4.7	43.4	6.3
2004	12	9	41.8	5.4	34.9	1.6	39.1	4.0
2004	12	10	39.7	4.3	37.8	3.2	38.9	3.8
2004	12	11	38.6	3.7	33.2	0.7	36.0	2.2
2004	12	12	34.2	1.2	32.0	0.0	33.3	0.7
2004	12	13	38.5	3.6	25.1	-3.8	35.7	2.1
2004	12	14	24.5	-4.2	19.1	-7.2	22.0	-5.5
2004	12	15	28.9	-1.7	9.2	-12.7	19.6	-6.9
2004	12	16	40.2	4.6	22.4	-5.3	31.7	-0.2
2004	12	17	37.4	3.0	22.1	-5.5	29.1	-1.6

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2004	12	18	38.8	3.8	17.0	-8.3	28.1	-2.2
2004	12	19	38.7	3.7	3.5	-15.8	23.2	-4.9
2004	12	20	9.3	-12.6	-7.9	-22.2	1.2	-17.1
2004	12	21	32.1	0.1	1.6	-16.9	18.1	-7.7
2004	12	22	36.6	2.6	31.1	-0.5	34.3	1.3
2004	12	23	58.9	14.9	27.9	-2.3	38.7	3.7
2004	12	24	27.4	-2.6	20.7	-6.3	23.6	-4.7
2004	12	25	22.1	-5.5	12.5	-10.8	16.4	-8.7
2004	12	26	23.4	-4.8	15.6	-9.1	18.2	-7.7
2004	12	27	23.1	-4.9	14.0	-10.0	16.9	-8.4
2004	12	28	30.0	-1.1	15.8	-9.0	22.3	-5.4
2004	12	29	37.3	2.9	31.0	-0.6	35.2	1.8
2004	12	30	39.2	4.0	31.3	-0.4	35.0	1.7
2004	12	31	53.3	11.8	39.6	4.2	46.1	7.8
2005	1	1	51.8	11.0	26.9	-2.8	37.1	2.8
2005	1	2	44.1	6.7	26.7	-2.9	34.0	1.1
2005	1	3	43.7	6.5	36.5	2.5	39.1	3.9
2005	1	4	37.6	3.1	34.0	1.1	35.8	2.1
2005	1	5	33.9	1.1	21.4	-5.9	26.5	-3.0
2005	1	6	37.8	3.2	21.9	-5.6	29.5	-1.4
2005	1	7	34.1	1.2	27.8	-2.3	30.6	-0.8
2005	1	8	33.1	0.6	28.1	-2.2	30.3	-0.9
2005	1	9	32.4	0.2	28.5	-1.9	30.5	-0.8
2005	1	10	39.3	4.1	30.6	-0.8	35.6	2.0
2005	1	11	31.5	-0.3	24.5	-4.2	28.4	-2.0
2005	1	12	42.4	5.8	30.6	-0.8	35.2	1.8
2005	1	13	63.6	17.6	41.1	5.1	51.7	10.9
2005	1	14	39.1	3.9	24.2	-4.3	30.8	-0.7
2005	1	15	25.1	-3.8	17.6	-8.0	22.1	-5.5
2005	1	16	23.1	-4.9	18.6	-7.4	20.9	-6.2
2005	1	17	19.1	-7.2	12.2	-11.0	16.3	-8.7
2005	1	18	11.7	-11.3	-0.7	-18.2	3.1	-16.1
2005	1	19	22.1	-5.5	1.2	-17.1	13.3	-10.4
2005	1	20	28.6	-1.9	3.6	-15.8	13.2	-10.5
2005	1	21	2.7	-16.3	-6.7	-21.5	-2.2	-19.0
2005	1	22	10.9	-11.7	-11.6	-24.2	0.4	-17.6
2005	1	23	12.4	-10.9	-1.2	-18.4	6.0	-14.4
2005	1	24	27.2	-2.7	-2.2	-19.0	15.6	-9.1
2005	1	25	26.4	-3.1	11.3	-11.5	17.4	-8.1
2005	1	26	19.0	-7.2	7.6	-13.6	13.2	-10.5
2005	1	27	9.3	-12.6	-0.9	-18.3	3.5	-15.8
2005	1	28	16.8	-8.4	-3.4	-19.7	7.3	-13.7
2005	1	29	30.2	-1.0	9.2	-12.7	20.5	-6.4
2005	1	30	30.0	-1.1	19.7	-6.8	25.8	-3.5
2005	1	31	26.6	-3.0	13.1	-10.5	21.3	-6.0
2005	2	1	28.0	-2.2	11.8	-11.2	20.7	-6.3
2005	2	2	28.7	-1.8	12.2	-11.0	22.4	-5.3
2005	2	3	38.3	3.5	27.8	-2.3	32.7	0.4
2005	2	4	33.7	0.9	28.2	-2.1	31.7	-0.2

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2005	2	5	30.0	-1.1	25.2	-3.8	26.9	-2.9
2005	2	6	52.6	11.4	24.9	-3.9	39.1	3.9
2005	2	7	50.7	10.4	42.2	5.7	45.8	7.7
2005	2	8	46.2	7.9	34.9	1.6	39.5	4.2
2005	2	9	34.3	1.3	27.3	-2.6	30.9	-0.6
2005	2	10	31.0	-0.6	24.8	-4.0	27.1	-2.8
2005	2	11	32.3	0.2	23.5	-4.7	28.0	-2.3
2005	2	12	35.4	1.9	31.6	-0.2	32.9	0.5
2005	2	13	30.2	-1.0	15.8	-9.0	19.4	-7.0
2005	2	14	39.5	4.2	19.0	-7.2	30.4	-0.9
2005	2	15	48.0	8.9	36.8	2.7	41.8	5.4
2005	2	16	40.6	4.8	30.4	-0.9	34.4	1.3
2005	2	17	30.6	-0.8	24.3	-4.3	27.8	-2.4
2005	2	18	25.6	-3.6	13.8	-10.1	17.7	-8.0
2005	2	19	29.4	-1.4	10.1	-12.2	20.5	-6.4
2005	2	20	25.1	-3.8	15.5	-9.2	21.2	-6.0
2005	2	21	31.0	-0.6	21.7	-5.7	26.8	-2.9
2005	2	22	32.7	0.4	24.6	-4.1	29.0	-1.7
2005	2	23	30.1	-1.1	19.2	-7.1	23.0	-5.0
2005	2	24	22.0	-5.6	14.7	-9.6	19.4	-7.0
2005	2	25	20.6	-6.3	15.2	-9.3	18.1	-7.7
2005	2	26	28.5	-1.9	18.0	-7.8	23.4	-4.8
2005	2	27	25.2	-3.8	17.8	-7.9	20.7	-6.3
2005	2	28	33.8	1.0	19.6	-6.9	27.3	-2.6
2005	3	1	28.2	-2.1	24.4	-4.2	26.3	-3.2
2005	3	2	27.4	-2.6	22.6	-5.2	25.8	-3.4
2005	3	3	25.3	-3.7	14.8	-9.6	20.3	-6.5
2005	3	4	31.3	-0.4	23.5	-4.7	27.4	-2.5
2005	3	5	33.9	1.1	22.7	-5.2	30.5	-0.8
2005	3	6	36.8	2.7	28.6	-1.9	33.2	0.7
2005	3	7	53.7	12.1	32.1	0.1	43.1	6.1
2005	3	8	24.7	-4.1	12.3	-10.9	16.9	-8.4
2005	3	9	22.0	-5.6	10.8	-11.8	16.3	-8.8
2005	3	10	25.8	-3.4	15.3	-9.3	20.0	-6.7
2005	3	11	30.0	-1.1	16.5	-8.6	24.4	-4.2
2005	3	12	32.2	0.1	23.6	-4.7	29.0	-1.7
2005	3	13	29.7	-1.3	27.6	-2.4	28.7	-1.8
2005	3	14	32.0	0.0	25.0	-3.9	28.4	-2.0
2005	3	15	33.6	0.9	28.6	-1.9	31.3	-0.4
2005	3	16	33.2	0.7	29.2	-1.6	31.6	-0.2
2005	3	17	36.5	2.5	24.8	-4.0	31.8	-0.1
2005	3	18	32.8	0.4	25.3	-3.7	29.7	-1.3
2005	3	19	35.4	1.9	22.8	-5.1	30.5	-0.8
2005	3	20	37.7	3.2	30.6	-0.8	34.2	1.2
2005	3	21	36.0	2.2	34.3	1.3	35.0	1.6
2005	3	22	36.7	2.6	34.1	1.2	35.1	1.7
2005	3	23	34.6	1.4	28.6	-1.9	31.7	-0.2
2005	3	24	35.9	2.2	30.5	-0.8	33.6	0.9
2005	3	25	36.7	2.6	31.1	-0.5	35.2	1.8

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2005	3	26	35.7	2.1	26.8	-2.9	32.5	0.3
2005	3	27	50.0	10.0	32.8	0.4	42.1	5.6
2005	3	28	43.2	6.2	35.5	1.9	39.5	4.2
2005	3	29	38.7	3.7	35.0	1.7	37.3	2.9
2005	3	30	50.3	10.2	32.4	0.2	39.6	4.2
2005	3	31	60.9	16.1	46.4	8.0	51.8	11.0
2005	4	1	48.4	9.1	41.5	5.3	44.3	6.9
2005	4	2	41.7	5.4	37.2	2.9	38.1	3.4
2005	4	3	46.1	7.8	36.4	2.4	40.3	4.6
2005	4	4	40.1	4.5	34.5	1.4	37.2	2.9
2005	4	5	47.4	8.6	35.4	1.9	41.5	5.3
2005	4	6	52.9	11.6	39.9	4.4	45.9	7.7
2005	4	7	58.7	14.8	38.5	3.6	44.9	7.1
2005	4	8	43.6	6.4	37.2	2.9	39.8	4.4
2005	4	9	45.8	7.7	33.2	0.7	39.3	4.1
2005	4	10	44.0	6.7	34.3	1.3	40.4	4.6
2005	4	11	39.9	4.4	34.7	1.5	37.8	3.2
2005	4	12	41.9	5.5	33.8	1.0	37.6	3.1
2005	4	13	41.8	5.4	33.0	0.6	38.6	3.6
2005	4	14	45.5	7.5	35.9	2.2	41.7	5.4
2005	4	15	47.5	8.6	36.7	2.6	42.7	5.9
2005	4	16	57.7	14.3	38.7	3.7	49.2	9.5
2005	4	17	54.3	12.4	40.7	4.8	49.3	9.6
2005	4	18	57.1	13.9	41.3	5.2	49.1	9.5
2005	4	19	75.4	24.1	47.7	8.7	61.1	16.2
2005	4	20	70.3	21.3	39.6	4.2	52.4	11.3
2005	4	21	40.8	4.9	34.2	1.2	38.9	3.8
2005	4	22	55.8	13.2	33.2	0.7	44.9	7.2
2005	4	23	48.3	9.1	41.5	5.3	44.5	6.9
2005	4	24	45.4	7.4	38.1	3.4	42.4	5.8
2005	4	25	44.1	6.7	34.9	1.6	40.4	4.7
2005	4	26	70.0	21.1	42.7	5.9	58.0	14.5
2005	4	27	55.1	12.8	44.7	7.1	49.2	9.6
2005	4	28	48.3	9.1	40.4	4.7	44.1	6.7
2005	4	29	48.1	8.9	41.2	5.1	44.1	6.7
2005	4	30	50.8	10.4	41.1	5.1	46.1	7.8
2005	5	1	46.2	7.9	40.2	4.6	43.0	6.1
2005	5	2	44.7	7.1	40.4	4.7	42.7	5.9
2005	5	3	42.4	5.8	38.5	3.6	40.6	4.8
2005	5	4	43.6	6.4	36.7	2.6	41.2	5.1
2005	5	5	49.2	9.6	36.6	2.6	44.8	7.1
2005	5	6	64.4	18.0	46.7	8.2	54.9	12.7
2005	5	7	55.2	12.9	45.1	7.3	49.8	9.9
2005	5	8	51.5	10.8	44.6	7.0	47.3	8.5
2005	5	9	54.3	12.4	45.2	7.3	49.0	9.5
2005	5	10	81.4	27.4	49.8	9.9	65.5	18.6
2005	5	11	68.0	20.0	47.5	8.6	58.3	14.6
2005	5	12	46.7	8.2	35.9	2.2	40.7	4.8
2005	5	13	57.9	14.4	33.6	0.9	45.9	7.7

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2005	5	14	64.4	18.0	50.4	10.2	57.1	13.9
2005	5	15	55.7	13.2	46.3	7.9	50.4	10.2
2005	5	16	49.0	9.4	45.2	7.3	46.8	8.2
2005	5	17	50.6	10.3	42.8	6.0	46.4	8.0
2005	5	18	48.1	8.9	43.9	6.6	45.8	7.7
2005	5	19	54.4	12.4	44.7	7.1	51.3	10.7
2005	5	20	58.3	14.6	48.8	9.3	54.9	12.7
2005	5	21	54.5	12.5	44.8	7.1	50.5	10.3
2005	5	22	49.5	9.7	48.3	9.1	49.0	9.5
2005	5	23	53.4	11.9	48.0	8.9	50.9	10.5
2005	5	24	59.5	15.3	49.0	9.4	53.3	11.8
2005	5	25	60.0	15.6	49.2	9.6	54.3	12.4
2005	5	28	59.9	15.5	55.1	12.8	57.1	13.9
2005	5	29	56.0	13.3	53.3	11.8	54.9	12.7
2005	5	30	61.7	16.5	53.0	11.7	56.5	13.6
2005	5	31	60.3	15.7	53.5	11.9	56.0	13.3
2005	6	1	68.0	20.0	53.3	11.8	60.9	16.0
2005	6	2	70.8	21.6	56.4	13.6	65.3	18.5
2005	6	3	68.8	20.4	63.2	17.3	66.4	19.1
2005	6	4	66.4	19.1	58.1	14.5	63.0	17.2
2005	6	5	79.4	26.3	61.0	16.1	71.4	21.9
2005	6	6	83.4	28.6	73.0	22.8	77.2	25.1
2005	6	7	73.3	22.9	65.9	18.8	68.8	20.4
2005	6	8	80.4	26.9	59.7	15.4	69.5	20.8
2005	6	9	84.8	29.3	68.5	20.3	77.2	25.1
2005	6	10	79.3	26.3	72.7	22.6	74.9	23.8
2005	6	11	81.4	27.4	70.2	21.2	75.7	24.3
2005	6	12	78.5	25.8	72.7	22.6	74.9	23.8
2005	6	13	80.6	27.0	71.3	21.8	76.2	24.5
2005	6	14	75.9	24.4	66.5	19.2	71.1	21.7
2005	6	15	71.9	22.2	66.5	19.2	69.2	20.6
2005	6	16	64.7	18.2	58.7	14.8	61.3	16.3
2005	6	17	60.5	15.8	58.0	14.4	59.4	15.2
2005	6	18	61.8	16.6	57.1	13.9	59.2	15.1
2005	6	19	65.1	18.4	57.3	14.1	61.1	16.2
2005	6	20	68.9	20.5	52.2	11.2	61.8	16.6
2005	6	21	72.4	22.4	59.1	15.1	66.5	19.2
2005	6	22	67.2	19.6	56.2	13.4	64.6	18.1
2005	6	23	69.5	20.8	53.6	12.0	63.1	17.3
2005	6	24	85.2	29.6	61.6	16.4	73.9	23.3
2005	6	25	83.1	28.4	73.6	23.1	77.8	25.4
2005	6	26	74.3	23.5	65.4	18.6	70.1	21.2
2005	6	27	84.0	28.9	62.5	16.9	74.7	23.7
2005	6	28	85.1	29.5	73.0	22.8	78.2	25.7
2005	6	29	76.7	24.8	68.0	20.0	72.9	22.7
2005	6	30	79.9	26.6	68.6	20.3	73.9	23.3
2005	7	1	80.7	27.1	66.5	19.2	74.5	23.6
2005	7	2	67.7	19.8	55.8	13.2	63.8	17.7
2005	7	3	79.9	26.6	55.5	13.1	69.3	20.7

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}
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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2005	7	4	87.4	30.8	68.2	20.1	77.8	25.5
2005	7	5	80.5	26.9	71.2	21.8	75.1	23.9
2005	7	6	73.7	23.2	68.0	20.0	70.7	21.5
2005	7	7	73.4	23.0	65.9	18.8	69.8	21.0
2005	7	8	68.5	20.3	63.6	17.6	66.0	18.9
2005	7	9	71.0	21.7	64.5	18.1	67.6	19.8
2005	7	10	74.5	23.6	69.0	20.6	71.6	22.0
2005	7	11	78.5	25.8	70.4	21.3	73.2	22.9
2005	7	12	80.0	26.7	71.8	22.1	75.6	24.2
2005	7	13	84.7	29.3	68.0	20.0	76.3	24.6
2005	7	14	84.3	29.1	71.3	21.8	76.7	24.8
2005	7	15	80.2	26.8	69.6	20.9	75.6	24.2
2005	7	16	83.9	28.8	73.4	23.0	77.5	25.3
2005	7	17	85.6	29.8	74.4	23.6	78.7	25.9
2005	7	18	85.7	29.8	73.7	23.2	78.9	26.0
2005	7	19	79.2	26.2	75.5	24.2	77.8	25.4
2005	7	20	75.1	23.9	64.5	18.1	71.8	22.1
2005	7	21	80.6	27.0	64.1	17.8	73.6	23.1
2005	7	22	77.9	25.5	73.2	22.9	75.8	24.3
2005	7	23	76.1	24.5	65.1	18.4	71.8	22.1
2005	7	24	79.1	26.2	61.6	16.4	72.0	22.2
2005	7	25	80.7	27.1	72.8	22.7	77.1	25.0
2005	7	26	86.3	30.2	67.4	19.7	75.5	24.2
2005	7	27	74.4	23.6	62.5	16.9	68.2	20.1
2005	7	28	71.4	21.9	56.1	13.4	65.2	18.4
2005	7	29	75.7	24.3	56.9	13.8	69.3	20.7
2005	7	30	76.5	24.7	65.4	18.6	71.5	22.0
2005	7	31	76.3	24.6	62.4	16.9	70.5	21.4
2005	8	1	80.3	26.8	68.6	20.3	74.1	23.4
2005	8	2	78.9	26.1	73.8	23.2	75.9	24.4
2005	8	3	81.2	27.3	74.9	23.8	77.4	25.2
2005	8	4	87.0	30.6	72.1	22.3	79.8	26.6
2005	8	5	81.5	27.5	73.0	22.8	75.8	24.3
2005	8	6	75.1	23.9	65.1	18.4	70.9	21.6
2005	8	7	78.3	25.7	60.8	16.0	70.6	21.4
2005	8	8	80.2	26.8	65.8	18.8	73.8	23.2
2005	8	9	83.6	28.7	68.5	20.3	75.5	24.2
2005	8	10	84.6	29.2	71.0	21.7	78.0	25.6
2005	8	11	76.7	24.8	69.0	20.6	74.6	23.7
2005	8	12	78.4	25.8	69.5	20.8	73.7	23.2
2005	8	13	77.2	25.1	69.0	20.6	75.4	24.1
2005	8	14	71.2	21.8	66.3	19.1	69.1	20.6
2005	8	15	75.1	23.9	63.9	17.7	70.3	21.3
2005	8	16	75.9	24.4	64.4	18.0	70.8	21.5
2005	8	17	75.3	24.1	65.3	18.5	71.4	21.9
2005	8	18	74.5	23.6	56.9	13.8	67.1	19.5
2005	8	19	79.5	26.4	66.4	19.1	71.6	22.0
2005	8	20	72.9	22.7	67.4	19.7	70.3	21.3
2005	8	21	76.4	24.7	67.4	19.7	72.9	22.7

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2005	8	22	72.2	22.3	67.3	19.6	69.2	20.7
2005	8	23	69.8	21.0	61.6	16.4	66.4	19.1
2005	8	24	72.9	22.7	58.4	14.7	65.5	18.6
2005	8	25	73.5	23.1	57.1	13.9	65.9	18.8
2005	8	26	80.3	26.8	59.0	15.0	70.3	21.3
2005	8	27	79.8	26.6	63.6	17.6	72.8	22.6
2005	8	28	77.6	25.3	65.2	18.4	71.4	21.9
2005	8	29	79.7	26.5	67.3	19.6	73.2	22.9
2005	8	30	74.8	23.8	67.1	19.5	71.6	22.0
2005	8	31	72.9	22.7	66.3	19.1	68.9	20.5
2005	9	1	72.3	22.4	67.3	19.6	69.7	21.0
2005	9	2	76.1	24.5	64.9	18.3	70.6	21.4
2005	9	3	71.4	21.9	66.3	19.1	68.7	20.4
2005	9	4	68.3	20.2	54.5	12.5	62.6	17.0
2005	9	5	69.2	20.7	53.2	11.8	61.2	16.2
2005	9	6	74.8	23.8	55.7	13.2	66.3	19.1
2005	9	7	73.3	22.9	60.7	15.9	66.9	19.4
2005	9	8	70.6	21.4	61.1	16.2	66.1	19.0
2005	9	9	69.2	20.7	57.9	14.4	63.8	17.6
2005	9	10	64.7	18.2	52.8	11.6	60.4	15.8
2005	9	11	70.2	21.2	47.6	8.7	60.5	15.8
2005	9	12	78.6	25.9	63.0	17.2	71.6	22.0
2005	9	13	84.3	29.1	65.5	18.6	74.1	23.4
2005	9	14	83.7	28.7	67.7	19.8	74.5	23.6
2005	9	15	71.6	22.0	61.9	16.6	68.5	20.3
2005	9	16	71.4	21.9	61.3	16.3	66.0	18.9
2005	9	17	69.0	20.6	63.9	17.7	65.8	18.8
2005	9	18	69.7	20.9	60.0	15.6	66.4	19.1
2005	9	19	71.7	22.1	59.7	15.4	66.5	19.2
2005	9	20	71.3	21.8	66.3	19.1	69.6	20.9
2005	9	21	72.2	22.3	59.5	15.3	68.1	20.0
2005	9	22	78.6	25.9	63.0	17.2	70.6	21.4
2005	9	23	70.3	21.3	60.3	15.7	64.9	18.3
2005	9	24	68.1	20.1	49.1	9.5	59.3	15.1
2005	9	25	72.2	22.3	60.4	15.8	67.1	19.5
2005	9	26	68.6	20.3	62.8	17.1	66.1	18.9
2005	9	27	63.0	17.2	55.0	12.8	58.8	14.9
2005	9	28	71.2	21.8	50.0	10.0	61.7	16.5
2005	9	29	67.7	19.8	54.3	12.4	59.5	15.3
2005	9	30	60.8	16.0	46.7	8.2	54.8	12.7
2005	10	1	67.5	19.7	51.8	11.0	59.6	15.3
2005	10	2	67.8	19.9	54.3	12.4	62.4	16.9
2005	10	3	74.1	23.4	59.7	15.4	66.5	19.2
2005	10	4	74.5	23.6	60.5	15.8	67.9	20.0
2005	10	5	75.3	24.1	60.1	15.6	67.2	19.5
2005	10	6	80.1	26.7	63.2	17.3	70.7	21.5
2005	10	7	71.6	22.0	50.0	10.0	61.5	16.4
2005	10	8	50.3	10.2	46.2	7.9	48.6	9.2
2005	10	9	51.4	10.8	46.0	7.8	48.6	9.2

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2005	10	10	55.7	13.2	49.3	9.6	52.5	11.4
2005	10	11	55.9	13.3	51.9	11.1	53.4	11.9
2005	10	12	56.2	13.4	48.8	9.3	51.5	10.9
2005	10	13	54.8	12.7	48.4	9.1	52.2	11.2
2005	10	14	56.4	13.6	52.5	11.4	54.1	12.3
2005	10	15	56.5	13.6	50.2	10.1	53.6	12.0
2005	10	16	54.0	12.2	50.6	10.3	52.9	11.6
2005	10	17	52.5	11.4	46.4	8.0	49.1	9.5
2005	10	18	55.6	13.1	48.2	9.0	53.0	11.7
2005	10	19	61.4	16.3	46.3	7.9	52.3	11.3
2005	10	20	52.5	11.4	38.6	3.7	48.3	9.1
2005	10	21	47.8	8.8	37.3	2.9	44.2	6.8
2005	10	22	48.6	9.2	37.8	3.2	43.3	6.3
2005	10	23	45.9	7.7	39.4	4.1	43.0	6.1
2005	10	24	47.3	8.5	41.2	5.1	44.7	7.1
2005	10	25	45.6	7.6	40.8	4.9	43.3	6.3
2005	10	26	45.0	7.2	40.8	4.9	43.5	6.4
2005	10	27	43.9	6.6	37.2	2.9	41.9	5.5
2005	10	28	43.5	6.4	36.6	2.6	40.3	4.6
2005	10	29	52.3	11.3	38.5	3.6	45.8	7.6
2005	10	30	54.7	12.6	44.9	7.2	51.5	10.8
2005	10	31	60.9	16.1	44.5	6.9	52.4	11.3
2005	11	1	64.1	17.8	47.5	8.6	53.9	12.1
2005	11	2	50.5	10.3	41.7	5.4	46.6	8.1
2005	11	3	63.6	17.6	42.6	5.9	53.2	11.8
2005	11	4	65.8	18.8	45.2	7.3	55.7	13.1
2005	11	5	61.0	16.1	50.6	10.3	57.6	14.2
2005	11	6	73.5	23.1	49.4	9.7	59.5	15.3
2005	11	7	51.9	11.1	48.4	9.1	50.2	10.1
2005	11	8	51.4	10.8	39.5	4.2	46.9	8.3
2005	11	9	54.7	12.6	35.7	2.1	43.1	6.2
2005	11	10	49.7	9.8	38.5	3.6	42.4	5.8
2005	11	11	44.5	6.9	36.6	2.6	40.0	4.5
2005	11	12	58.7	14.8	36.8	2.7	47.9	8.8
2005	11	13	63.6	17.6	49.2	9.6	57.4	14.1
2005	11	14	55.2	12.9	40.0	4.4	46.2	7.9
2005	11	15	62.4	16.9	38.8	3.8	45.7	7.6
2005	11	16	69.2	20.7	41.3	5.2	54.0	12.2
2005	11	17	40.6	4.8	33.5	0.8	37.0	2.8
2005	11	18	32.9	0.5	28.7	-1.8	30.2	-1.0
2005	11	19	42.2	5.7	32.7	0.4	37.7	3.2
2005	11	20	50.2	10.1	40.8	4.9	46.5	8.0
2005	11	21	49.5	9.7	43.2	6.2	45.7	7.6
2005	11	22	44.6	7.0	27.4	-2.6	36.6	2.5
2005	11	23	26.7	-2.9	23.1	-4.9	24.6	-4.1
2005	11	24	34.6	1.4	18.3	-7.6	26.5	-3.1
2005	11	25	31.5	-0.3	17.1	-8.3	26.8	-2.9
2005	11	26	29.6	-1.3	23.5	-4.7	27.1	-2.8
2005	11	27	42.4	5.8	26.4	-3.1	34.5	1.4

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Table 2.3-94—{NMPNS Daily Average and Extreme Temperatures (2001-2005)}

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Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2005	11	28	61.5	16.4	40.7	4.8	51.9	11.1
2005	11	29	68.4	20.2	47.5	8.6	58.8	14.9
2005	11	30	45.7	7.6	38.0	3.3	41.6	5.3
2005	12	1	39.9	4.4	33.5	0.8	37.2	2.9
2005	12	2	36.9	2.7	29.8	-1.2	34.1	1.2
2005	12	3	33.3	0.7	27.8	-2.3	30.9	-0.6
2005	12	4	34.0	1.1	25.1	-3.8	29.1	-1.6
2005	12	5	33.6	0.9	27.6	-2.4	29.6	-1.3
2005	12	6	30.7	-0.7	26.3	-3.2	28.5	-2.0
2005	12	7	28.5	-1.9	23.7	-4.6	26.3	-3.2
2005	12	8	26.8	-2.9	15.7	-9.1	22.4	-5.3
2005	12	9	36.5	2.5	21.9	-5.6	29.8	-1.2
2005	12	10	34.2	1.2	28.6	-1.9	30.5	-0.8
2005	12	11	32.6	0.3	27.8	-2.3	30.4	-0.9
2005	12	12	33.3	0.7	16.0	-8.9	21.9	-5.6
2005	12	13	18.0	-7.8	7.8	-13.4	14.1	-10.0
2005	12	14	17.2	-8.2	3.9	-15.6	10.1	-12.2
2005	12	15	27.7	-2.4	11.2	-11.6	20.4	-6.4
2005	12	16	37.8	3.2	26.2	-3.2	32.1	0.1
2005	12	17	33.0	0.6	28.7	-1.8	30.8	-0.7
2005	12	18	31.7	-0.2	28.0	-2.2	29.6	-1.4
2005	12	19	30.1	-1.1	23.8	-4.6	27.0	-2.8
2005	12	20	30.8	-0.7	21.7	-5.7	25.9	-3.4
2005	12	21	31.3	-0.4	14.8	-9.6	23.2	-4.9
2005	12	22	34.9	1.6	19.6	-6.9	28.2	-2.1
2005	12	23	39.5	4.2	34.5	1.4	37.2	2.9
2005	12	24	41.8	5.4	37.1	2.8	39.5	4.2
2005	12	25	44.0	6.7	37.8	3.2	40.3	4.6
2005	12	26	38.2	3.4	32.1	0.1	34.8	1.5
2005	12	27	35.5	1.9	30.3	-0.9	32.2	0.1
2005	12	28	40.2	4.6	29.5	-1.4	35.0	1.7
2005	12	29	40.2	4.6	33.9	1.1	36.7	2.6
2005	12	30	33.5	0.8	19.2	-7.1	25.9	-3.4
2005	12	31	30.1	-1.1	18.8	-7.3	25.8	-3.5

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2001	1	1	16.2	-8.8	12.3	-10.9	14.3	-9.8
2001	1	2	23.0	-5.0	10.0	-12.2	15.2	-9.4
2001	1	3	24.1	-4.4	12.1	-11.1	18.6	-7.4
2001	1	4	23.3	-4.8	16.9	-8.4	19.8	-6.8
2001	1	5	26.2	-3.2	15.7	-9.1	22.3	-5.4
2001	1	6	28.9	-1.7	18.1	-7.7	24.8	-4.0
2001	1	7	27.1	-2.7	18.1	-7.7	22.8	-5.1
2001	1	8	29.6	-1.3	21.3	-5.9	25.7	-3.5
2001	1	9	25.9	-3.4	11.6	-11.3	16.8	-8.5
2001	1	10	16.4	-8.7	7.0	-13.9	12.0	-11.1
2001	1	11	31.7	-0.2	16.7	-8.5	28.0	-2.2
2001	1	12	20.0	-6.7	11.6	-11.3	14.5	-9.7
2001	1	13	32.5	0.3	12.1	-11.1	20.7	-6.3
2001	1	14	32.6	0.3	29.7	-1.3	31.1	-0.5
2001	1	15	34.7	1.5	29.3	-1.5	31.9	0.0
2001	1	16	33.2	0.7	25.9	-3.4	30.3	-0.9
2001	1	17	26.3	-3.2	17.1	-8.3	20.2	-6.6
2001	1	18	24.6	-4.1	18.3	-7.6	22.2	-5.5
2001	1	19	29.9	-1.2	14.1	-9.9	24.4	-4.2
2001	1	20	14.2	-9.9	10.1	-12.2	12.2	-11.0
2001	1	21	23.7	-4.6	13.0	-10.6	18.3	-7.6
2001	1	22	26.0	-3.3	16.0	-8.9	21.4	-5.9
2001	1	23	29.5	-1.4	14.9	-9.5	20.2	-6.6
2001	1	24	29.3	-1.5	22.0	-5.6	26.4	-3.1
2001	1	25	27.9	-2.3	14.7	-9.6	18.4	-7.6
2001	1	26	18.5	-7.5	13.5	-10.3	15.7	-9.1
2001	1	27	29.1	-1.6	18.2	-7.7	24.3	-4.3
2001	1	28	26.6	-3.0	18.7	-7.4	22.4	-5.3
2001	1	29	24.8	-4.0	13.7	-10.2	17.6	-8.0
2001	1	30	36.3	2.4	18.7	-7.4	28.8	-1.8
2001	1	31	34.7	1.5	31.4	-0.3	32.7	0.4
2001	2	1	32.5	0.3	20.0	-6.7	27.1	-2.8
2001	2	2	30.2	-1.0	14.2	-9.9	23.9	-4.5
2001	2	3	16.8	-8.4	9.3	-12.6	12.3	-10.9
2001	2	4	25.5	-3.6	8.5	-13.1	15.7	-9.1
2001	2	5	31.6	-0.2	20.1	-6.6	25.0	-3.9
2001	2	6	32.6	0.3	27.4	-2.6	30.1	-1.1
2001	2	7	30.2	-1.0	21.3	-5.9	25.0	-3.9
2001	2	8	28.8	-1.8	21.0	-6.1	26.3	-3.1
2001	2	9	40.1	4.5	29.3	-1.5	36.2	2.3
2001	2	10	39.8	4.3	8.9	-12.8	19.4	-7.0
2001	2	11	7.8	-13.4	3.0	-16.1	4.9	-15.1
2001	2	12	15.7	-9.1	-1.2	-18.4	5.8	-14.5
2001	2	13	26.2	-3.2	16.5	-8.6	21.2	-6.0
2001	2	14	35.1	1.7	18.6	-7.4	29.0	-1.7
2001	2	15	32.3	0.2	19.7	-6.8	22.9	-5.1
2001	2	16	29.5	-1.4	17.6	-8.0	24.0	-4.5
2001	2	17	28.6	-1.9	6.8	-14.0	13.2	-10.5

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2001	2	18	17.9	-7.8	8.5	-13.1	13.2	-10.5
2001	2	19	19.1	-7.2	9.2	-12.7	13.8	-10.1
2001	2	20	30.7	-0.7	19.2	-7.1	27.4	-2.6
2001	2	21	21.6	-5.8	3.8	-15.7	8.3	-13.1
2001	2	22	16.1	-8.8	3.3	-15.9	9.1	-12.8
2001	2	23	23.5	-4.7	12.5	-10.8	17.6	-8.0
2001	2	24	20.6	-6.3	0.4	-17.6	7.9	-13.4
2001	2	25	41.0	5.0	21.5	-5.8	32.1	0.0
2001	2	26	29.1	-1.6	20.7	-6.3	23.7	-4.6
2001	2	27	27.8	-2.3	10.1	-12.2	20.0	-6.6
2001	2	28	16.4	-8.7	7.1	-13.8	10.8	-11.8
2001	3	1	20.3	-6.5	11.4	-11.4	15.3	-9.3
2001	3	2	22.4	-5.3	11.1	-11.6	18.1	-7.7
2001	3	3	21.4	-5.9	7.3	-13.7	15.2	-9.3
2001	3	4	25.3	-3.7	5.2	-14.9	14.1	-9.9
2001	3	5	24.9	-3.9	21.3	-5.9	23.3	-4.8
2001	3	6	26.4	-3.1	22.3	-5.4	24.4	-4.2
2001	3	7	22.8	-5.1	18.4	-7.6	20.3	-6.5
2001	3	8	31.8	-0.1	19.6	-6.9	24.4	-4.3
2001	3	9	30.0	-1.1	28.4	-2.0	29.2	-1.6
2001	3	10	27.5	-2.5	17.6	-8.0	24.3	-4.3
2001	3	11	32.7	0.4	13.2	-10.4	22.0	-5.6
2001	3	12	17.5	-8.1	4.2	-15.4	9.7	-12.4
2001	3	13	35.4	1.9	25.8	-3.4	30.5	-0.9
2001	3	14	31.3	-0.4	25.9	-3.4	29.0	-1.7
2001	3	15	31.6	-0.2	25.5	-3.6	28.7	-1.8
2001	3	16	29.6	-1.3	17.5	-8.1	20.7	-6.3
2001	3	17	26.0	-3.3	17.9	-7.8	21.2	-6.0
2001	3	18	29.1	-1.6	15.8	-9.0	21.6	-5.8
2001	3	19	30.6	-0.8	22.2	-5.4	25.9	-3.4
2001	3	20	29.7	-1.3	17.2	-8.2	21.8	-5.6
2001	3	21	35.2	1.8	20.0	-6.7	25.5	-3.6
2001	3	22	34.5	1.4	32.1	0.1	32.8	0.5
2001	3	23	33.4	0.8	30.4	-0.9	31.8	-0.1
2001	3	24	32.4	0.2	21.8	-5.7	28.8	-1.8
2001	3	25	20.8	-6.2	13.5	-10.3	17.2	-8.2
2001	3	26	21.6	-5.8	7.3	-13.7	14.7	-9.6
2001	3	27	24.6	-4.1	14.1	-9.9	20.5	-6.4
2001	3	28	27.4	-2.6	20.0	-6.7	22.8	-5.1
2001	3	29	30.7	-0.7	19.8	-6.8	23.4	-4.8
2001	3	30	33.6	0.9	30.9	-0.6	32.3	0.2
2001	3	31	31.7	-0.2	29.6	-1.3	30.7	-0.7
2001	4	1	32.6	0.3	29.3	-1.5	31.5	-0.3
2001	4	2	31.3	-0.4	28.5	-1.9	29.4	-1.4
2001	4	3	34.9	1.6	28.4	-2.0	32.4	0.2
2001	4	4	33.8	1.0	19.3	-7.1	28.3	-2.1
2001	4	5	34.4	1.3	15.9	-8.9	25.6	-3.6
2001	4	6	41.0	5.0	19.2	-7.1	31.2	-0.4

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2001	4	7	38.9	3.8	32.7	0.4	35.2	1.8
2001	4	8	49.9	9.9	34.9	1.6	40.9	4.9
2001	4	9	38.0	3.3	33.2	0.7	36.0	2.2
2001	4	10	36.1	2.3	33.5	0.8	34.8	1.6
2001	4	11	43.3	6.3	33.0	0.6	39.1	3.9
2001	4	12	53.5	11.9	40.2	4.6	46.4	8.0
2001	4	13	40.2	4.6	33.5	0.8	36.0	2.2
2001	4	14	34.6	1.4	20.1	-6.6	31.1	-0.5
2001	4	15	35.7	2.1	29.4	-1.4	32.9	0.5
2001	4	16	33.7	0.9	26.3	-3.2	30.7	-0.7
2001	4	17	36.0	2.2	22.0	-5.6	30.4	-0.9
2001	4	18	29.4	-1.4	15.1	-9.4	20.8	-6.2
2001	4	19	30.2	-1.0	11.3	-11.5	22.3	-5.4
2001	4	20	38.2	3.4	16.8	-8.4	27.0	-2.8
2001	4	21	54.8	12.7	38.7	3.7	47.7	8.7
2001	4	22	55.3	12.9	40.6	4.8	45.8	7.7
2001	4	23	55.5	13.1	43.2	6.2	50.0	10.0
2001	4	24	54.1	12.3	33.6	0.9	42.0	5.6
2001	4	25	34.0	1.1	21.4	-5.9	30.8	-0.7
2001	4	26	33.1	0.6	22.0	-5.6	26.1	-3.3
2001	4	27	42.5	5.8	29.3	-1.5	37.7	3.2
2001	4	28	28.5	-1.9	22.5	-5.3	25.9	-3.4
2001	4	29	35.7	2.1	15.3	-9.3	26.4	-3.1
2001	4	30	37.3	2.9	17.7	-7.9	27.8	-2.4
2001	5	1	43.0	6.1	23.0	-5.0	33.9	1.0
2001	5	2	53.0	11.7	33.2	0.7	47.3	8.5
2001	5	3	54.6	12.6	46.5	8.1	51.4	10.8
2001	5	4	53.7	12.1	44.0	6.7	49.7	9.8
2001	5	5	46.0	7.8	31.8	-0.1	38.6	3.7
2001	5	6	39.4	4.1	24.8	-4.0	33.8	1.0
2001	5	7	38.8	3.8	25.7	-3.5	32.5	0.3
2001	5	8	53.6	12.0	27.2	-2.7	42.5	5.9
2001	5	9	55.1	12.8	45.2	7.3	51.0	10.5
2001	5	10	48.1	8.9	43.6	6.4	46.1	7.8
2001	5	11	56.1	13.4	43.7	6.5	50.2	10.1
2001	5	12	52.4	11.3	43.8	6.6	47.6	8.7
2001	5	13	42.9	6.1	31.9	-0.1	35.3	1.8
2001	5	14	41.6	5.3	33.8	1.0	38.8	3.8
2001	5	15	43.0	6.1	31.5	-0.3	38.2	3.4
2001	5	16	45.5	7.5	37.8	3.2	42.9	6.1
2001	5	17	52.5	11.4	44.9	7.2	48.1	9.0
2001	5	18	59.4	15.2	49.8	9.9	54.8	12.6
2001	5	19	47.5	8.6	41.9	5.5	45.3	7.4
2001	5	20	55.0	12.8	45.8	7.7	50.7	10.4
2001	5	21	52.8	11.6	44.0	6.7	48.5	9.2
2001	5	22	58.0	14.4	52.9	11.6	56.3	13.5
2001	5	23	55.1	12.8	48.6	9.2	51.5	10.8
2001	5	24	55.8	13.2	47.7	8.7	52.7	11.5

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2001	5	25	55.0	12.8	48.8	9.3	51.9	11.0
2001	5	26	57.1	13.9	53.6	12.0	55.6	13.1
2001	5	27	54.7	12.6	48.1	8.9	52.6	11.4
2001	5	28	52.2	11.2	46.8	8.2	50.3	10.1
2001	5	29	51.8	11.0	41.7	5.4	46.0	7.8
2001	5	30	43.3	6.3	38.5	3.6	40.4	4.7
2001	5	31	39.7	4.3	34.6	1.4	38.2	3.5
2001	6	1	54.1	12.3	36.3	2.4	44.4	6.9
2001	6	2	54.5	12.5	48.3	9.1	51.7	11.0
2001	6	3	57.8	14.3	47.6	8.7	51.5	10.9
2001	6	4	49.3	9.6	45.5	7.5	46.8	8.2
2001	6	5	48.3	9.1	46.5	8.1	47.4	8.5
2001	6	6	49.8	9.9	44.7	7.1	48.6	9.2
2001	6	7	49.7	9.8	41.2	5.1	45.8	7.7
2001	6	8	48.1	8.9	39.9	4.4	44.7	7.1
2001	6	9	50.4	10.2	37.8	3.2	44.8	7.1
2001	6	10	53.7	12.1	41.7	5.4	48.3	9.1
2001	6	11	59.8	15.4	48.7	9.3	56.4	13.5
2001	6	12	60.3	15.7	56.1	13.4	58.8	14.9
2001	6	13	62.5	16.9	56.6	13.7	59.8	15.4
2001	6	14	67.1	19.5	59.1	15.1	64.5	18.1
2001	6	15	69.3	20.7	62.1	16.7	66.5	19.1
2001	6	16	69.3	20.7	59.5	15.3	64.5	18.1
2001	6	17	61.1	16.2	55.1	12.8	58.9	14.9
2001	6	18	56.1	13.4	47.2	8.4	53.4	11.9
2001	6	19	62.2	16.8	53.1	11.7	57.7	14.3
2001	6	20	62.0	16.7	53.3	11.8	56.2	13.4
2001	6	21	58.5	14.7	53.8	12.1	56.1	13.4
2001	6	22	65.6	18.7	57.8	14.3	60.9	16.1
2001	6	23	59.3	15.2	55.2	12.9	57.8	14.3
2001	6	24	60.0	15.6	54.9	12.7	57.6	14.2
2001	6	25	60.5	15.8	54.2	12.3	57.8	14.3
2001	6	26	63.8	17.7	54.2	12.3	58.7	14.8
2001	6	27	64.4	18.0	57.1	13.9	61.5	16.4
2001	6	28	65.7	18.7	57.5	14.2	62.9	17.2
2001	6	29	68.5	20.3	55.3	12.9	62.5	16.9
2001	6	30	68.4	20.2	60.1	15.6	64.8	18.2
2001	7	3	54.0	12.2	44.7	7.1	49.7	9.8
2001	7	4	63.9	17.7	50.2	10.1	59.4	15.2
2001	7	5	60.2	15.7	46.6	8.1	49.9	9.9
2001	7	6	51.6	10.9	46.5	8.1	49.5	9.7
2001	7	7	59.0	15.0	47.9	8.8	52.6	11.5
2001	7	8	65.6	18.7	58.1	14.5	61.7	16.5
2001	7	9	60.5	15.8	55.0	12.8	58.2	14.6
2001	7	10	61.6	16.4	54.8	12.7	59.4	15.2
2001	7	11	58.7	14.8	56.6	13.7	57.7	14.3
2001	7	12	57.1	13.9	51.3	10.7	54.3	12.4
2001	7	13	59.2	15.1	54.9	12.7	57.2	14.0

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2001	7	14	59.6	15.3	57.0	13.9	58.3	14.6
2001	7	15	61.0	16.1	55.6	13.1	58.9	14.9
2001	7	16	62.5	16.9	55.3	12.9	58.7	14.9
2001	7	17	63.5	17.5	60.8	16.0	61.8	16.6
2001	7	18	65.0	18.3	56.1	13.4	60.9	16.1
2001	7	19	65.6	18.7	55.3	12.9	60.6	15.9
2001	7	20	69.2	20.7	57.1	13.9	62.8	17.1
2001	7	21	65.4	18.6	53.3	11.8	58.2	14.6
2001	7	22	63.5	17.5	52.5	11.4	58.5	14.7
2001	7	23	71.3	21.8	59.4	15.2	66.0	18.9
2001	7	24	72.0	22.2	66.5	19.2	69.3	20.7
2001	7	25	66.7	19.3	60.7	15.9	64.2	17.9
2001	7	26	63.2	17.3	38.7	3.7	47.7	8.7
2001	7	27	51.1	10.6	42.6	5.9	46.4	8.0
2001	7	28	56.4	13.6	50.0	10.0	53.0	11.7
2001	7	29	62.6	17.0	51.7	10.9	55.4	13.0
2001	7	30	65.0	18.3	53.3	11.8	58.4	14.7
2001	7	31	66.4	19.1	52.6	11.4	60.0	15.6
2001	8	1	68.0	20.0	54.6	12.6	60.6	15.9
2001	8	2	70.0	21.1	59.3	15.2	65.8	18.8
2001	8	3	71.4	21.9	66.6	19.2	69.9	21.1
2001	8	4	68.0	20.0	64.4	18.0	66.3	19.0
2001	8	5	67.4	19.7	53.4	11.9	62.8	17.1
2001	8	6	62.7	17.1	55.1	12.8	58.6	14.8
2001	8	7	74.0	23.3	56.8	13.8	68.8	20.5
2001	8	8	73.4	23.0	58.6	14.8	67.7	19.8
2001	8	9	72.8	22.7	64.1	17.8	69.4	20.8
2001	8	10	72.3	22.4	60.6	15.9	65.1	18.4
2001	8	11	65.4	18.6	58.4	14.7	62.8	17.1
2001	8	12	65.2	18.4	59.9	15.5	62.3	16.8
2001	8	13	63.4	17.4	56.0	13.3	59.6	15.4
2001	8	14	57.9	14.4	51.5	10.8	54.8	12.7
2001	8	15	61.0	16.1	51.1	10.6	55.5	13.0
2001	8	16	69.0	20.6	54.9	12.7	61.9	16.6
2001	8	17	67.5	19.7	60.6	15.9	63.9	17.7
2001	8	18	63.7	17.6	59.5	15.3	62.5	16.9
2001	8	19	66.1	18.9	58.3	14.6	62.0	16.7
2001	8	20	66.4	19.1	58.4	14.7	64.1	17.9
2001	8	21	65.0	18.3	60.6	15.9	63.2	17.3
2001	8	22	64.6	18.1	54.4	12.4	59.2	15.1
2001	8	23	66.8	19.3	56.4	13.6	61.3	16.3
2001	8	24	65.2	18.4	44.5	6.9	53.5	11.9
2001	8	25	59.0	15.0	45.8	7.7	52.7	11.5
2001	8	26	70.6	21.4	57.1	13.9	64.6	18.1
2001	8	27	65.9	18.8	58.2	14.6	62.0	16.7
2001	8	28	65.6	18.7	58.6	14.8	62.0	16.7
2001	8	29	61.5	16.4	50.6	10.3	53.9	12.2
2001	8	30	64.6	18.1	49.8	9.9	56.8	13.8

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2001	8	31	68.5	20.3	62.5	16.9	66.6	19.2
2001	9	1	59.0	15.0	45.7	7.6	49.0	9.4
2001	9	2	52.8	11.6	46.9	8.3	49.4	9.7
2001	9	3	60.5	15.8	48.4	9.1	54.5	12.5
2001	9	4	64.8	18.2	50.0	10.0	58.9	15.0
2001	9	5	49.7	9.8	45.8	7.7	47.6	8.7
2001	9	6	56.5	13.6	44.9	7.2	51.9	11.0
2001	9	7	64.9	18.3	52.1	11.2	58.4	14.7
2001	9	8	68.6	20.3	62.2	16.8	65.6	18.6
2001	9	9	68.0	20.0	59.6	15.3	63.2	17.3
2001	9	10	65.0	18.3	57.2	14.0	61.1	16.2
2001	9	11	59.0	15.0	52.8	11.6	55.2	12.9
2001	9	12	59.3	15.2	52.2	11.2	55.4	13.0
2001	9	13	61.4	16.3	45.4	7.4	52.3	11.3
2001	9	14	45.6	7.6	39.4	4.1	42.8	6.0
2001	9	15	44.2	6.8	39.8	4.3	42.0	5.5
2001	9	16	52.3	11.3	42.8	6.0	48.2	9.0
2001	9	17	57.4	14.1	47.1	8.4	51.7	10.9
2001	9	18	58.0	14.4	47.3	8.5	54.1	12.3
2001	9	19	56.8	13.8	51.7	10.9	54.1	12.3
2001	9	22	59.6	15.3	55.5	13.1	58.2	14.6
2001	9	23	57.7	14.3	53.3	11.8	55.6	13.1
2001	9	24	62.8	17.1	52.9	11.6	58.8	14.9
2001	9	25	60.3	15.7	42.3	5.7	53.3	11.8
2001	9	26	43.3	6.3	39.4	4.1	41.4	5.2
2001	9	27	48.3	9.1	42.6	5.9	45.8	7.7
2001	9	28	50.3	10.2	45.7	7.6	48.1	8.9
2001	9	29	49.8	9.9	40.0	4.4	46.2	7.9
2001	9	30	48.0	8.9	37.4	3.0	42.1	5.6
2001	10	1	58.5	14.7	46.7	8.2	52.6	11.5
2001	10	2	58.4	14.7	52.8	11.6	55.5	13.0
2001	10	3	57.5	14.2	51.4	10.8	53.8	12.1
2001	10	4	57.3	14.1	47.7	8.7	53.2	11.8
2001	10	5	55.4	13.0	49.3	9.6	51.1	10.6
2001	10	6	52.6	11.4	36.3	2.4	42.8	6.0
2001	10	7	40.3	4.6	24.8	-4.0	31.9	-0.1
2001	10	8	33.6	0.9	29.6	-1.3	31.9	0.0
2001	10	9	36.0	2.2	27.3	-2.6	30.7	-0.7
2001	10	10	48.8	9.3	30.3	-0.9	38.0	3.3
2001	10	11	59.6	15.3	38.0	3.3	49.5	9.7
2001	10	12	60.3	15.7	56.2	13.4	58.6	14.8
2001	10	13	59.8	15.4	56.5	13.6	58.7	14.8
2001	10	14	59.0	15.0	52.7	11.5	54.6	12.6
2001	10	15	50.7	10.4	41.2	5.1	45.8	7.6
2001	10	16	45.6	7.6	37.4	3.0	41.1	5.1
2001	10	17	44.4	6.9	29.5	-1.4	38.7	3.7
2001	10	18	34.6	1.4	28.1	-2.2	31.0	-0.6
2001	10	19	45.0	7.2	29.9	-1.2	34.7	1.5

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2001	10	20	47.4	8.6	34.7	1.5	41.9	5.5
2001	10	21	55.5	13.1	34.3	1.3	45.8	7.7
2001	10	22	45.4	7.4	40.7	4.8	43.2	6.2
2001	10	23	56.3	13.5	38.4	3.6	47.6	8.6
2001	10	24	59.1	15.1	54.9	12.7	57.1	13.9
2001	10	25	57.7	14.3	34.1	1.2	45.7	7.6
2001	10	26	39.2	4.0	31.1	-0.5	35.2	1.8
2001	10	27	36.8	2.7	29.1	-1.6	32.1	0.0
2001	10	28	30.6	-0.8	24.9	-3.9	27.4	-2.6
2001	10	29	45.8	7.7	27.1	-2.7	35.2	1.8
2001	10	30	41.3	5.2	21.5	-5.8	27.5	-2.5
2001	10	31	40.5	4.7	18.1	-7.7	30.6	-0.8
2001	11	1	41.1	5.1	34.8	1.6	38.9	3.8
2001	11	2	57.6	14.2	40.6	4.8	49.0	9.4
2001	11	3	54.1	12.3	38.3	3.5	44.6	7.0
2001	11	4	43.7	6.5	35.6	2.0	38.5	3.6
2001	11	5	35.6	2.0	30.3	-0.9	32.6	0.3
2001	11	6	41.9	5.5	32.4	0.2	35.5	1.9
2001	11	7	44.6	7.0	27.9	-2.3	38.9	3.8
2001	11	8	50.5	10.3	25.2	-3.8	36.0	2.2
2001	11	9	35.6	2.0	27.3	-2.6	29.7	-1.3
2001	11	10	42.4	5.8	28.9	-1.7	34.5	1.4
2001	11	11	32.6	0.3	21.7	-5.7	26.1	-3.3
2001	11	12	33.2	0.7	21.9	-5.6	25.5	-3.6
2001	11	13	33.4	0.8	23.5	-4.7	29.3	-1.5
2001	11	14	46.1	7.8	27.3	-2.6	36.5	2.5
2001	11	15	52.9	11.6	47.4	8.6	49.9	9.9
2001	11	16	51.5	10.8	26.2	-3.2	41.9	5.5
2001	11	17	31.5	-0.3	22.9	-5.1	27.4	-2.6
2001	11	18	42.3	5.7	27.0	-2.8	32.9	0.5
2001	11	19	50.6	10.3	34.7	1.5	40.4	4.7
2001	11	20	37.8	3.2	22.6	-5.2	28.8	-1.8
2001	11	21	29.3	-1.5	23.0	-5.0	25.6	-3.5
2001	11	22	37.3	2.9	25.8	-3.4	32.1	0.0
2001	11	23	32.4	0.2	24.7	-4.1	29.2	-1.5
2001	11	24	50.1	10.1	32.7	0.4	43.0	6.1
2001	11	25	57.8	14.3	44.4	6.9	51.0	10.5
2001	11	26	46.5	8.1	39.1	3.9	41.9	5.5
2001	11	27	50.4	10.2	38.7	3.7	41.6	5.3
2001	11	28	44.0	6.7	34.1	1.2	36.5	2.5
2001	11	29	50.5	10.3	37.0	2.8	42.8	6.0
2001	11	30	58.1	14.5	41.4	5.2	49.5	9.7
2001	12	1	47.2	8.4	37.9	3.3	42.3	5.7
2001	12	2	39.2	4.0	32.8	0.4	35.5	1.9
2001	12	3	43.3	6.3	25.5	-3.6	35.4	1.9
2001	12	4	45.3	7.4	39.0	3.9	42.0	5.5
2001	12	5	50.0	10.0	39.0	3.9	47.9	8.8
2001	12	6	47.2	8.4	32.5	0.3	38.3	3.5

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2001	12	7	38.1	3.4	26.3	-3.2	32.7	0.4
2001	12	8	29.8	-1.2	14.7	-9.6	20.2	-6.5
2001	12	9	32.3	0.2	28.7	-1.8	30.6	-0.8
2001	12	10	29.3	-1.5	26.3	-3.2	27.5	-2.5
2001	12	11	36.6	2.6	27.2	-2.7	32.5	0.3
2001	12	12	36.5	2.5	28.6	-1.9	30.5	-0.9
2001	12	13	51.5	10.8	37.4	3.0	44.6	7.0
2001	12	14	45.0	7.2	29.2	-1.6	35.6	2.0
2001	12	15	33.0	0.6	23.6	-4.7	27.4	-2.6
2001	12	16	26.2	-3.2	16.9	-8.4	20.4	-6.5
2001	12	17	35.5	1.9	20.3	-6.5	30.4	-0.9
2001	12	18	36.8	2.7	30.9	-0.6	33.7	1.0
2001	12	19	35.3	1.8	29.5	-1.4	33.1	0.6
2001	12	20	36.9	2.7	28.7	-1.8	32.6	0.3
2001	12	21	31.5	-0.3	20.1	-6.6	23.2	-4.9
2001	12	22	21.4	-5.9	15.1	-9.4	18.9	-7.3
2001	12	23	33.7	0.9	19.4	-7.0	25.0	-3.9
2001	12	24	34.4	1.3	14.5	-9.7	22.8	-5.1
2001	12	25	24.6	-4.1	14.0	-10.0	18.3	-7.6
2001	12	26	22.7	-5.2	12.1	-11.1	14.6	-9.7
2001	12	27	21.1	-6.1	11.4	-11.4	13.6	-10.2
2001	12	28	23.5	-4.7	12.8	-10.7	19.0	-7.3
2001	12	29	25.1	-3.8	14.9	-9.5	18.9	-7.3
2001	12	30	23.1	-4.9	15.4	-9.2	19.6	-6.9
2001	12	31	23.7	-4.6	12.9	-10.6	18.6	-7.4
2002	1	1	25.8	-3.4	12.6	-10.8	17.9	-7.8
2002	1	2	25.5	-3.6	17.8	-7.9	21.9	-5.6
2002	1	3	28.4	-2.0	17.6	-8.0	21.9	-5.6
2002	1	4	25.0	-3.9	12.8	-10.7	19.0	-7.2
2002	1	5	32.1	0.1	21.5	-5.8	24.5	-4.2
2002	1	6	31.8	-0.1	25.5	-3.6	30.0	-1.1
2002	1	7	31.8	-0.1	14.6	-9.7	21.3	-5.9
2002	1	8	21.1	-6.1	12.4	-10.9	17.9	-7.9
2002	1	9	36.2	2.3	16.8	-8.4	27.0	-2.8
2002	1	10	36.1	2.3	32.7	0.4	35.2	1.8
2002	1	11	35.8	2.1	28.3	-2.1	32.0	0.0
2002	1	12	31.0	-0.6	22.7	-5.2	26.6	-3.0
2002	1	13	29.5	-1.4	19.5	-6.9	23.7	-4.6
2002	1	14	24.2	-4.3	15.4	-9.2	19.3	-7.1
2002	1	15	33.8	1.0	24.3	-4.3	30.5	-0.8
2002	1	16	27.6	-2.4	20.9	-6.2	23.5	-4.7
2002	1	17	32.4	0.2	20.1	-6.6	27.3	-2.6
2002	1	18	24.0	-4.4	14.2	-9.9	17.2	-8.2
2002	1	19	22.6	-5.2	9.8	-12.3	17.1	-8.3
2002	1	20	23.8	-4.6	18.9	-7.3	21.1	-6.1
2002	1	21	30.4	-0.9	19.0	-7.2	24.6	-4.1
2002	1	22	32.5	0.3	21.8	-5.7	25.3	-3.7
2002	1	23	39.3	4.1	22.2	-5.4	29.3	-1.5

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2002	1	24	41.7	5.4	25.9	-3.4	34.4	1.3
2002	1	25	29.0	-1.7	18.8	-7.3	24.2	-4.4
2002	1	26	31.0	-0.6	17.9	-7.8	24.7	-4.1
2002	1	27	29.3	-1.5	19.6	-6.9	24.1	-4.4
2002	1	28	34.4	1.3	20.2	-6.6	29.4	-1.4
2002	1	29	35.1	1.7	25.5	-3.6	30.2	-1.0
2002	1	30	27.4	-2.6	18.8	-7.3	23.4	-4.8
2002	1	31	30.3	-0.9	17.7	-7.9	24.3	-4.3
2002	2	1	42.1	5.6	14.6	-9.7	29.7	-1.3
2002	2	2	16.4	-8.7	10.9	-11.7	13.2	-10.5
2002	2	3	28.0	-2.2	16.6	-8.6	21.7	-5.7
2002	2	4	29.0	-1.7	9.2	-12.7	20.4	-6.5
2002	2	5	27.0	-2.8	9.3	-12.6	16.5	-8.6
2002	2	6	26.3	-3.2	18.1	-7.7	21.8	-5.7
2002	2	7	31.0	-0.6	14.5	-9.7	22.9	-5.1
2002	2	8	26.6	-3.0	19.3	-7.1	24.3	-4.3
2002	2	9	18.2	-7.7	11.7	-11.3	14.7	-9.6
2002	2	10	42.0	5.6	13.8	-10.1	31.2	-0.5
2002	2	11	26.3	-3.2	4.5	-15.3	10.2	-12.1
2002	2	12	30.3	-0.9	7.6	-13.6	20.5	-6.4
2002	2	13	25.0	-3.9	7.7	-13.5	12.9	-10.6
2002	2	14	15.6	-9.1	9.2	-12.7	12.0	-11.1
2002	2	15	31.9	-0.1	12.3	-10.9	19.3	-7.1
2002	2	16	33.2	0.7	29.9	-1.2	31.9	0.0
2002	2	17	32.1	0.1	13.7	-10.2	23.4	-4.8
2002	2	18	20.0	-6.7	13.2	-10.4	16.6	-8.6
2002	2	19	23.9	-4.5	12.7	-10.7	15.7	-9.1
2002	2	20	41.4	5.2	20.1	-6.6	29.7	-1.3
2002	2	21	42.6	5.9	31.6	-0.2	36.8	2.6
2002	2	22	33.8	1.0	21.6	-5.8	26.7	-2.9
2002	2	23	21.0	-6.1	17.0	-8.3	19.0	-7.3
2002	2	24	23.6	-4.7	17.1	-8.3	19.6	-6.9
2002	2	25	27.1	-2.7	16.5	-8.6	21.3	-5.9
2002	2	26	41.9	5.5	25.5	-3.6	29.5	-1.4
2002	2	27	23.6	-4.7	15.6	-9.1	18.9	-7.3
2002	2	28	23.1	-4.9	11.5	-11.4	16.4	-8.6
2002	3	1	26.7	-2.9	12.8	-10.7	19.4	-7.0
2002	3	2	36.1	2.3	15.9	-8.9	22.1	-5.5
2002	3	3	45.1	7.3	17.3	-8.2	33.6	0.9
2002	3	4	18.1	-7.7	8.5	-13.1	14.4	-9.8
2002	3	5	22.3	-5.4	4.6	-15.2	12.0	-11.1
2002	3	6	29.7	-1.3	21.4	-5.9	26.3	-3.2
2002	3	7	29.0	-1.7	25.4	-3.7	26.8	-2.9
2002	3	8	35.3	1.8	26.5	-3.1	31.3	-0.4
2002	3	9	51.3	10.7	28.4	-2.0	41.7	5.4
2002	3	10	24.0	-4.4	15.8	-9.0	19.7	-6.8
2002	3	11	23.0	-5.0	12.7	-10.7	17.2	-8.2
2002	3	12	33.0	0.6	15.9	-8.9	27.3	-2.6

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2002	3	13	38.1	3.4	28.8	-1.8	33.6	0.9
2002	3	14	37.6	3.1	25.8	-3.4	30.2	-1.0
2002	3	15	48.1	8.9	26.6	-3.0	37.9	3.3
2002	3	16	39.3	4.1	16.2	-8.8	23.5	-4.7
2002	3	17	23.0	-5.0	13.8	-10.1	17.0	-8.3
2002	3	18	36.7	2.6	21.8	-5.7	31.4	-0.4
2002	3	19	30.1	-1.1	22.5	-5.3	25.4	-3.7
2002	3	20	34.5	1.4	24.9	-3.9	31.3	-0.4
2002	3	21	32.0	0.0	9.4	-12.6	23.3	-4.8
2002	3	22	22.8	-5.1	5.0	-15.0	13.7	-10.2
2002	3	23	29.7	-1.3	12.3	-10.9	21.4	-5.9
2002	3	24	21.3	-5.9	15.8	-9.0	18.8	-7.3
2002	3	25	21.2	-6.0	11.5	-11.4	15.1	-9.4
2002	3	26	32.7	0.4	21.5	-5.8	27.8	-2.4
2002	3	27	33.6	0.9	26.1	-3.3	28.6	-1.9
2002	3	28	30.0	-1.1	17.9	-7.8	25.5	-3.6
2002	3	29	41.3	5.2	17.2	-8.2	28.6	-1.9
2002	3	30	44.9	7.2	29.9	-1.2	35.3	1.8
2002	3	31	34.1	1.2	19.2	-7.1	28.4	-2.0
2002	4	1	39.4	4.1	23.8	-4.6	32.8	0.5
2002	4	2	38.7	3.7	23.0	-5.0	29.5	-1.4
2002	4	3	44.6	7.0	27.9	-2.3	34.6	1.4
2002	4	4	27.7	-2.4	15.0	-9.4	21.1	-6.1
2002	4	5	25.9	-3.4	18.2	-7.7	21.3	-5.9
2002	4	6	28.1	-2.2	11.1	-11.6	15.6	-9.1
2002	4	7	22.0	-5.6	16.7	-8.5	19.2	-7.1
2002	4	8	45.6	7.6	21.4	-5.9	35.3	1.8
2002	4	9	56.1	13.4	36.9	2.7	45.4	7.5
2002	4	10	36.9	2.7	28.4	-2.0	32.4	0.2
2002	4	11	36.7	2.6	27.1	-2.7	31.0	-0.5
2002	4	12	50.2	10.1	18.5	-7.5	38.7	3.7
2002	4	13	56.0	13.3	42.2	5.7	49.5	9.7
2002	4	14	56.8	13.8	41.6	5.3	49.0	9.5
2002	4	15	56.0	13.3	48.8	9.3	53.1	11.7
2002	4	16	60.5	15.8	52.5	11.4	57.2	14.0
2002	4	17	58.5	14.7	50.6	10.3	55.9	13.3
2002	4	18	57.4	14.1	47.0	8.3	51.9	11.1
2002	4	19	56.5	13.6	42.9	6.1	49.6	9.8
2002	4	20	42.7	5.9	30.5	-0.8	35.8	2.1
2002	4	21	27.7	-2.4	15.4	-9.2	21.0	-6.1
2002	4	22	32.8	0.4	15.5	-9.2	27.8	-2.3
2002	4	23	33.4	0.8	25.1	-3.8	28.9	-1.7
2002	4	24	32.2	0.1	23.1	-4.9	28.0	-2.2
2002	4	25	42.9	6.1	24.7	-4.1	32.7	0.4
2002	4	26	34.8	1.6	25.7	-3.5	30.0	-1.1
2002	4	27	29.0	-1.7	22.0	-5.6	25.5	-3.6
2002	4	28	44.6	7.0	18.0	-7.8	37.2	2.9
2002	4	29	34.4	1.3	30.4	-0.9	31.9	-0.1

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2002	4	30	41.0	5.0	31.5	-0.3	35.9	2.2
2002	5	1	35.2	1.8	27.8	-2.3	32.7	0.4
2002	5	2	49.3	9.6	28.9	-1.7	40.6	4.8
2002	5	3	39.5	4.2	29.3	-1.5	34.2	1.2
2002	5	4	38.3	3.5	23.5	-4.7	33.3	0.7
2002	5	5	36.3	2.4	29.3	-1.5	32.6	0.4
2002	5	6	56.2	13.4	33.3	0.7	42.5	5.8
2002	5	7	57.8	14.3	40.5	4.7	52.2	11.2
2002	5	8	40.0	4.4	31.9	-0.1	37.1	2.8
2002	5	9	54.5	12.5	29.3	-1.5	46.7	8.2
2002	5	10	41.6	5.3	33.0	0.6	36.9	2.7
2002	5	11	35.9	2.2	29.6	-1.3	33.3	0.7
2002	5	12	46.2	7.9	35.9	2.2	42.9	6.1
2002	5	13	47.8	8.8	44.1	6.7	45.8	7.7
2002	5	14	43.1	6.2	34.9	1.6	37.9	3.3
2002	5	15	40.7	4.8	24.7	-4.1	36.8	2.7
2002	5	16	55.1	12.8	24.2	-4.3	44.7	7.1
2002	5	17	50.9	10.5	36.1	2.3	40.5	4.7
2002	5	18	37.5	3.1	30.4	-0.9	33.8	1.0
2002	5	19	36.8	2.7	27.3	-2.6	31.8	-0.1
2002	5	20	37.4	3.0	27.8	-2.3	32.3	0.2
2002	5	21	39.3	4.1	34.9	1.6	37.8	3.2
2002	5	22	38.8	3.8	34.0	1.1	36.2	2.3
2002	5	23	40.2	4.6	34.3	1.3	37.1	2.8
2002	5	24	55.5	13.1	35.5	1.9	47.4	8.5
2002	5	25	48.2	9.0	25.7	-3.5	35.4	1.9
2002	5	26	55.9	13.3	39.2	4.0	45.3	7.4
2002	5	27	48.2	9.0	38.9	3.8	43.5	6.4
2002	5	28	58.0	14.4	45.3	7.4	49.1	9.5
2002	5	29	67.1	19.5	58.3	14.6	62.0	16.6
2002	5	30	66.4	19.1	63.2	17.3	64.6	18.1
2002	5	31	62.5	16.9	44.3	6.8	57.1	13.9
2002	6	1	51.5	10.8	42.3	5.7	46.9	8.3
2002	6	2	54.3	12.4	43.2	6.2	46.6	8.1
2002	6	3	45.7	7.6	35.5	1.9	38.6	3.7
2002	6	4	59.9	15.5	38.7	3.7	48.0	8.9
2002	6	5	67.8	19.9	53.0	11.7	60.4	15.8
2002	6	6	53.1	11.7	49.4	9.7	50.8	10.4
2002	6	7	50.7	10.4	45.8	7.7	48.0	8.9
2002	6	8	57.4	14.1	44.5	6.9	52.2	11.2
2002	6	9	59.5	15.3	50.4	10.2	56.2	13.5
2002	6	10	53.2	11.8	47.1	8.4	50.5	10.3
2002	6	11	63.2	17.3	50.9	10.5	59.6	15.4
2002	6	12	66.1	18.9	54.4	12.4	57.6	14.2
2002	6	13	59.2	15.1	54.5	12.5	56.8	13.8
2002	6	14	57.8	14.3	55.0	12.8	56.3	13.5
2002	6	15	56.6	13.7	52.2	11.2	54.3	12.4
2002	6	16	55.7	13.2	51.8	11.0	53.4	11.9

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2002	6	17	52.1	11.2	50.1	10.1	51.0	10.5
2002	6	18	54.0	12.2	48.9	9.4	51.5	10.9
2002	6	19	57.4	14.1	47.1	8.4	52.5	11.4
2002	6	20	61.8	16.6	51.6	10.9	56.6	13.7
2002	6	21	64.9	18.3	56.9	13.8	61.8	16.5
2002	6	22	65.8	18.8	60.6	15.9	63.7	17.6
2002	6	23	68.3	20.2	64.1	17.8	66.5	19.1
2002	6	24	66.1	18.9	52.8	11.6	57.1	13.9
2002	6	25	69.2	20.7	55.1	12.8	62.0	16.7
2002	6	26	71.2	21.8	61.6	16.4	66.7	19.3
2002	6	27	69.8	21.0	63.2	17.3	66.9	19.4
2002	6	28	64.3	17.9	55.8	13.2	61.0	16.1
2002	6	29	64.4	18.0	55.4	13.0	61.3	16.3
2002	6	30	65.4	18.6	60.8	16.0	62.7	17.0
2002	7	1	71.2	21.8	61.8	16.6	67.3	19.6
2002	7	2	71.7	22.1	67.9	19.9	70.0	21.1
2002	7	3	71.5	21.9	69.0	20.6	70.3	21.3
2002	7	4	71.7	22.1	60.4	15.8	67.7	19.8
2002	7	5	63.1	17.3	52.2	11.2	56.7	13.7
2002	7	6	62.6	17.0	56.5	13.6	59.0	15.0
2002	7	7	64.2	17.9	56.5	13.6	59.5	15.3
2002	7	8	65.5	18.6	55.8	13.2	60.9	16.1
2002	7	9	67.4	19.7	58.9	14.9	64.1	17.8
2002	7	10	54.2	12.3	43.6	6.4	48.3	9.0
2002	7	11	52.2	11.2	43.7	6.5	48.2	9.0
2002	7	12	56.6	13.7	46.6	8.1	51.7	10.9
2002	7	13	63.4	17.4	49.4	9.7	56.2	13.4
2002	7	14	66.0	18.9	50.8	10.4	59.5	15.3
2002	7	15	67.9	19.9	56.5	13.6	62.9	17.2
2002	7	16	55.5	13.1	49.2	9.6	52.1	11.2
2002	7	17	69.9	21.1	49.8	9.9	64.6	18.1
2002	7	18	70.1	21.2	62.4	16.9	66.2	19.0
2002	7	19	67.2	19.6	62.6	17.0	65.3	18.5
2002	7	20	62.4	16.9	58.0	14.4	60.3	15.7
2002	7	21	71.0	21.7	53.5	11.9	61.3	16.3
2002	7	22	73.8	23.2	66.7	19.3	69.7	21.0
2002	7	23	72.0	22.2	51.1	10.6	63.7	17.6
2002	7	24	52.8	11.6	48.4	9.1	50.6	10.3
2002	7	25	64.1	17.8	48.2	9.0	57.1	13.9
2002	7	26	59.8	15.4	52.8	11.6	56.3	13.5
2002	7	27	69.2	20.7	60.2	15.7	64.7	18.2
2002	7	28	72.6	22.6	65.6	18.7	69.5	20.8
2002	7	29	71.5	21.9	63.4	17.4	68.8	20.5
2002	7	30	71.5	21.9	67.1	19.5	69.3	20.7
2002	7	31	71.3	21.8	65.2	18.4	68.6	20.3
2002	8	1	71.5	21.9	65.1	18.4	69.1	20.6
2002	8	2	73.6	23.1	65.8	18.8	70.0	21.1
2002	8	3	67.0	19.4	63.1	17.3	65.0	18.3

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2002	8	4	67.7	19.8	60.7	15.9	64.6	18.1
2002	8	5	71.1	21.7	53.3	11.8	66.2	19.0
2002	8	6	52.9	11.6	48.0	8.9	51.1	10.6
2002	8	7	60.2	15.7	52.5	11.4	55.3	13.0
2002	8	8	59.8	15.4	52.5	11.4	55.5	13.1
2002	8	9	63.9	17.7	51.6	10.9	58.5	14.7
2002	8	10	62.9	17.2	51.8	11.0	57.8	14.4
2002	8	11	65.3	18.5	53.8	12.1	59.4	15.2
2002	8	12	68.6	20.3	59.5	15.3	63.5	17.5
2002	8	13	70.5	21.4	62.4	16.9	66.4	19.1
2002	8	14	71.3	21.8	63.7	17.6	66.3	19.1
2002	8	15	71.3	21.8	66.1	18.9	68.8	20.4
2002	8	16	73.6	23.1	67.6	19.8	70.9	21.6
2002	8	17	72.2	22.3	63.2	17.3	66.7	19.3
2002	8	18	72.7	22.6	58.8	14.9	65.8	18.8
2002	8	19	58.9	14.9	55.2	12.9	57.0	13.9
2002	8	20	60.4	15.8	56.4	13.6	58.4	14.7
2002	8	21	60.7	15.9	53.6	12.0	57.6	14.2
2002	8	22	72.0	22.2	54.1	12.3	62.6	17.0
2002	8	23	61.3	16.3	52.4	11.3	57.3	14.0
2002	8	24	62.6	17.0	53.6	12.0	59.4	15.2
2002	8	25	60.8	16.0	54.1	12.3	58.4	14.7
2002	8	26	64.2	17.9	55.6	13.1	60.3	15.7
2002	8	27	62.8	17.1	49.0	9.4	52.5	11.4
2002	8	28	59.9	15.5	48.0	8.9	53.4	11.9
2002	8	29	55.9	13.3	49.0	9.4	52.6	11.4
2002	8	30	63.6	17.6	52.3	11.3	58.7	14.8
2002	8	31	68.0	20.0	58.4	14.7	62.1	16.7
2002	9	1	58.7	14.8	53.1	11.7	56.0	13.3
2002	9	2	60.6	15.9	54.2	12.3	57.7	14.3
2002	9	3	71.1	21.7	59.0	15.0	64.2	17.9
2002	9	4	63.8	17.7	59.5	15.3	61.4	16.3
2002	9	5	58.6	14.8	48.6	9.2	52.6	11.5
2002	9	6	51.4	10.8	41.6	5.3	48.0	8.9
2002	9	7	62.2	16.8	45.4	7.4	56.6	13.6
2002	9	8	60.1	15.6	48.6	9.2	55.8	13.2
2002	9	9	65.2	18.4	53.8	12.1	60.3	15.7
2002	9	10	66.6	19.2	56.2	13.4	62.0	16.7
2002	9	11	66.6	19.2	43.7	6.5	51.2	10.6
2002	9	12	50.0	10.0	41.2	5.1	45.6	7.5
2002	9	13	61.1	16.2	46.7	8.2	54.9	12.7
2002	9	14	65.3	18.5	51.4	10.8	58.1	14.5
2002	9	15	67.0	19.4	61.6	16.4	64.9	18.3
2002	9	16	61.9	16.6	53.3	11.8	56.2	13.5
2002	9	17	60.0	15.6	52.5	11.4	57.3	14.1
2002	9	18	59.4	15.2	52.8	11.6	55.8	13.2
2002	9	19	65.8	18.8	54.1	12.3	60.2	15.6
2002	9	20	68.5	20.3	63.2	17.3	65.8	18.8

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2002	9	21	66.6	19.2	59.5	15.3	64.0	17.8
2002	9	22	68.1	20.1	57.5	14.2	64.2	17.9
2002	9	23	54.6	12.6	41.2	5.1	46.5	8.1
2002	9	24	53.8	12.1	44.1	6.7	47.4	8.5
2002	9	25	54.4	12.4	46.0	7.8	49.2	9.5
2002	9	26	54.2	12.3	45.3	7.4	50.5	10.3
2002	9	27	60.2	15.7	48.1	8.9	54.9	12.7
2002	9	28	55.8	13.2	38.6	3.7	47.6	8.7
2002	9	29	53.1	11.7	38.0	3.3	45.9	7.7
2002	9	30	59.0	15.0	51.9	11.1	55.0	12.8
2002	10	1	63.4	17.4	57.9	14.4	60.5	15.9
2002	10	2	67.2	19.6	61.6	16.4	65.0	18.3
2002	10	3	65.6	18.7	47.1	8.4	51.5	10.8
2002	10	4	64.2	17.9	47.4	8.6	56.6	13.7
2002	10	5	65.5	18.6	41.1	5.1	50.9	10.5
2002	10	6	45.8	7.7	37.8	3.2	41.5	5.3
2002	10	7	53.0	11.7	38.9	3.8	45.1	7.3
2002	10	8	39.1	3.9	28.3	-2.1	34.4	1.3
2002	10	9	48.5	9.2	33.9	1.1	41.5	5.3
2002	10	10	57.5	14.2	48.2	9.0	52.4	11.3
2002	10	11	54.9	12.7	47.9	8.8	51.6	10.9
2002	10	12	53.2	11.8	50.3	10.2	51.8	11.0
2002	10	13	56.1	13.4	33.4	0.8	46.6	8.1
2002	10	14	33.1	0.6	23.2	-4.9	28.8	-1.8
2002	10	15	40.4	4.7	24.4	-4.2	31.5	-0.3
2002	10	16	46.8	8.2	39.3	4.1	44.1	6.7
2002	10	17	44.3	6.8	33.7	0.9	39.6	4.2
2002	10	18	39.8	4.3	29.4	-1.4	35.3	1.8
2002	10	19	50.2	10.1	41.0	5.0	44.3	6.8
2002	10	20	42.3	5.7	34.2	1.2	37.8	3.2
2002	10	21	36.0	2.2	23.0	-5.0	30.2	-1.0
2002	10	22	36.9	2.7	23.8	-4.6	31.8	-0.1
2002	10	23	34.2	1.2	25.4	-3.7	28.9	-1.7
2002	10	24	32.7	0.4	27.0	-2.8	29.7	-1.3
2002	10	25	38.7	3.7	22.3	-5.4	27.2	-2.7
2002	10	26	46.1	7.8	36.7	2.6	40.9	5.0
2002	10	27	44.8	7.1	32.0	0.0	38.2	3.4
2002	10	28	35.1	1.7	29.1	-1.6	32.8	0.4
2002	10	29	32.8	0.4	22.9	-5.1	27.5	-2.5
2002	10	30	27.8	-2.3	21.8	-5.7	24.6	-4.1
2002	10	31	36.6	2.6	22.3	-5.4	29.6	-1.4
2002	11	1	37.0	2.8	15.2	-9.3	28.5	-1.9
2002	11	2	34.3	1.3	14.8	-9.6	26.8	-2.9
2002	11	3	30.2	-1.0	16.5	-8.6	22.7	-5.2
2002	11	4	37.7	3.2	27.8	-2.3	32.2	0.1
2002	11	5	33.1	0.6	24.3	-4.3	27.6	-2.4
2002	11	6	40.0	4.4	31.7	-0.2	35.0	1.7
2002	11	7	38.1	3.4	12.5	-10.8	18.7	-7.4

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2002	11	8	40.1	4.5	17.8	-7.9	32.4	0.2
2002	11	9	41.7	5.4	33.2	0.7	36.7	2.6
2002	11	10	57.0	13.9	38.7	3.7	48.4	9.1
2002	11	11	58.7	14.8	42.3	5.7	50.4	10.2
2002	11	12	43.9	6.6	39.6	4.2	42.4	5.8
2002	11	13	37.9	3.3	32.6	0.3	34.1	1.2
2002	11	14	45.3	7.4	33.2	0.7	37.9	3.3
2002	11	15	45.7	7.6	20.8	-6.2	35.3	1.8
2002	11	16	31.5	-0.3	20.3	-6.5	26.3	-3.2
2002	11	17	33.8	1.0	30.9	-0.6	32.9	0.5
2002	11	18	35.4	1.9	27.8	-2.3	31.7	-0.2
2002	11	19	37.1	2.8	26.2	-3.2	30.5	-0.8
2002	11	20	38.1	3.4	33.0	0.6	35.3	1.8
2002	11	21	43.9	6.6	31.6	-0.2	37.5	3.0
2002	11	22	43.9	6.6	32.0	0.0	40.5	4.7
2002	11	23	31.6	-0.2	24.2	-4.3	27.2	-2.7
2002	11	24	35.5	1.9	28.0	-2.2	32.2	0.1
2002	11	25	35.8	2.1	27.5	-2.5	33.2	0.7
2002	11	26	31.3	-0.4	24.1	-4.4	27.5	-2.5
2002	11	27	26.4	-3.1	5.0	-15.0	17.0	-8.4
2002	11	28	29.7	-1.3	13.7	-10.2	21.1	-6.1
2002	11	29	33.0	0.6	21.0	-6.1	27.2	-2.7
2002	11	30	35.2	1.8	25.7	-3.5	32.1	0.0
2002	12	1	24.8	-4.0	11.1	-11.6	17.1	-8.3
2002	12	2	25.1	-3.8	8.3	-13.2	16.6	-8.6
2002	12	3	16.6	-8.6	5.3	-14.8	11.1	-11.6
2002	12	4	22.9	-5.1	7.4	-13.7	16.5	-8.6
2002	12	5	22.1	-5.5	15.1	-9.4	18.1	-7.7
2002	12	6	26.3	-3.2	14.7	-9.6	21.1	-6.1
2002	12	7	28.9	-1.7	12.3	-10.9	18.7	-7.4
2002	12	8	29.6	-1.3	5.6	-14.7	19.8	-6.8
2002	12	9	9.2	-12.7	-2.8	-19.3	4.1	-15.5
2002	12	10	21.3	-5.9	6.4	-14.2	13.2	-10.4
2002	12	11	32.2	0.1	11.4	-11.4	18.6	-7.5
2002	12	12	37.8	3.2	32.7	0.4	35.1	1.7
2002	12	13	33.2	0.7	31.4	-0.3	32.4	0.2
2002	12	14	37.1	2.8	30.9	-0.6	34.3	1.3
2002	12	15	33.3	0.7	27.7	-2.4	31.5	-0.3
2002	12	16	30.5	-0.8	15.5	-9.2	19.6	-6.9
2002	12	17	16.0	-8.9	12.6	-10.8	14.2	-9.9
2002	12	18	13.8	-10.1	9.5	-12.5	11.6	-11.3
2002	12	19	32.6	0.3	13.2	-10.4	22.3	-5.4
2002	12	20	46.8	8.2	26.7	-2.9	35.4	1.9
2002	12	21	29.3	-1.5	23.9	-4.5	26.4	-3.1
2002	12	22	32.6	0.3	22.8	-5.1	27.6	-2.4
2002	12	23	29.9	-1.2	21.5	-5.8	26.4	-3.1
2002	12	24	26.9	-2.8	20.0	-6.7	22.7	-5.2
2002	12	25	26.5	-3.1	18.3	-7.6	22.3	-5.4

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2002	12	26	27.0	-2.8	19.2	-7.1	24.0	-4.5
2002	12	27	27.6	-2.4	18.4	-7.6	21.8	-5.7
2002	12	28	28.6	-1.9	19.4	-7.0	24.2	-4.3
2002	12	29	31.5	-0.3	20.2	-6.6	26.8	-2.9
2002	12	30	29.9	-1.2	14.2	-9.9	20.1	-6.6
2002	12	31	43.9	6.6	29.4	-1.4	36.7	2.6
2003	1	1	27.6	-2.4	15.9	-8.9	22.3	-5.4
2003	1	2	17.2	-8.2	10.1	-12.2	13.0	-10.5
2003	1	3	27.6	-2.4	13.9	-10.1	22.1	-5.5
2003	1	4	26.1	-3.3	21.5	-5.8	23.6	-4.7
2003	1	5	24.6	-4.1	20.1	-6.6	22.4	-5.3
2003	1	6	27.1	-2.7	18.5	-7.5	23.8	-4.6
2003	1	7	26.1	-3.3	13.2	-10.4	17.2	-8.2
2003	1	8	34.2	1.2	26.9	-2.8	30.9	-0.6
2003	1	9	34.2	1.2	17.6	-8.0	22.5	-5.3
2003	1	10	20.9	-6.2	10.9	-11.7	15.6	-9.1
2003	1	11	22.6	-5.2	16.7	-8.5	19.7	-6.8
2003	1	12	24.3	-4.3	14.9	-9.5	19.5	-6.9
2003	1	13	19.5	-6.9	8.4	-13.1	13.0	-10.6
2003	1	14	13.4	-10.3	1.9	-16.7	8.8	-12.9
2003	1	15	19.9	-6.7	10.6	-11.9	15.9	-8.9
2003	1	16	14.0	-10.0	7.5	-13.6	11.0	-11.7
2003	1	17	18.9	-7.3	-2.2	-19.0	5.8	-14.6
2003	1	18	7.9	-13.4	-2.7	-19.3	3.3	-16.0
2003	1	19	15.9	-8.9	5.3	-14.8	10.6	-11.9
2003	1	20	17.1	-8.3	3.6	-15.8	10.2	-12.1
2003	1	21	7.2	-13.8	-3.9	-19.9	1.6	-16.9
2003	1	22	5.1	-14.9	-0.8	-18.2	2.6	-16.3
2003	1	23	4.5	-15.3	-1.5	-18.6	1.7	-16.9
2003	1	24	16.4	-8.7	4.6	-15.2	8.6	-13.0
2003	1	25	16.6	-8.6	7.9	-13.4	11.8	-11.2
2003	1	26	20.9	-6.2	-0.1	-17.8	14.2	-9.9
2003	1	27	3.2	-16.0	-9.0	-22.8	-4.3	-20.1
2003	1	28	9.9	-12.3	-7.2	-21.8	2.9	-16.2
2003	1	29	22.8	-5.1	11.3	-11.5	17.5	-8.1
2003	1	30	15.9	-8.9	8.4	-13.1	12.4	-10.9
2003	1	31	26.3	-3.2	12.2	-11.0	18.5	-7.5
2003	2	1	33.8	1.0	28.8	-1.8	32.3	0.1
2003	2	2	32.2	0.1	26.7	-2.9	30.4	-0.9
2003	2	3	32.7	0.4	20.6	-6.3	23.9	-4.5
2003	2	4	37.3	2.9	20.4	-6.4	28.8	-1.8
2003	2	5	22.8	-5.1	10.3	-12.1	14.5	-9.7
2003	2	6	22.9	-5.1	9.5	-12.5	13.6	-10.2
2003	2	7	23.3	-4.8	7.0	-13.9	15.9	-9.0
2003	2	8	17.1	-8.3	-2.2	-19.0	7.9	-13.4
2003	2	9	23.0	-5.0	5.2	-14.9	13.9	-10.0
2003	2	10	26.6	-3.0	8.2	-13.2	16.4	-8.6
2003	2	11	8.6	-13.0	-8.4	-22.4	-0.3	-17.9

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2003	2	12	17.9	-7.8	4.5	-15.3	10.4	-12.0
2003	2	13	9.0	-12.8	1.1	-17.2	4.2	-15.4
2003	2	14	8.5	-13.1	3.3	-15.9	6.6	-14.1
2003	2	15	1.7	-16.8	-11.6	-24.2	-8.1	-22.3
2003	2	16	-3.2	-19.6	-14.5	-25.8	-7.8	-22.1
2003	2	17	15.5	-9.2	-6.6	-21.4	4.7	-15.2
2003	2	18	23.1	-4.9	15.0	-9.4	19.7	-6.8
2003	2	19	30.2	-1.0	21.8	-5.7	25.1	-3.8
2003	2	20	23.1	-4.9	17.1	-8.3	19.7	-6.8
2003	2	21	22.3	-5.4	17.4	-8.1	20.4	-6.4
2003	2	22	36.1	2.3	19.5	-6.9	28.7	-1.8
2003	2	23	36.2	2.3	13.9	-10.1	23.3	-4.8
2003	2	24	15.4	-9.2	4.8	-15.1	10.6	-11.9
2003	2	25	12.4	-10.9	-2.5	-19.2	2.5	-16.4
2003	2	26	4.1	-15.5	-3.3	-19.6	0.9	-17.3
2003	2	27	21.3	-5.9	2.6	-16.3	12.7	-10.7
2003	2	28	26.3	-3.2	16.1	-8.8	21.0	-6.1
2003	3	1	31.0	-0.6	23.7	-4.6	26.9	-2.8
2003	3	2	34.3	1.3	7.4	-13.7	27.6	-2.5
2003	3	3	2.3	-16.5	-8.8	-22.7	-3.4	-19.7
2003	3	4	27.8	-2.3	-5.5	-20.8	12.3	-11.0
2003	3	5	36.7	2.6	18.8	-7.3	24.2	-4.3
2003	3	6	20.9	-6.2	-0.7	-18.2	8.9	-12.8
2003	3	7	16.1	-8.8	-3.0	-19.4	3.8	-15.7
2003	3	8	34.2	1.2	17.5	-8.1	25.5	-3.6
2003	3	9	35.0	1.7	6.9	-13.9	16.6	-8.6
2003	3	10	13.6	-10.2	4.6	-15.2	8.4	-13.1
2003	3	11	17.1	-8.3	7.5	-13.6	10.2	-12.1
2003	3	12	32.9	0.5	15.0	-9.4	26.5	-3.1
2003	3	13	17.9	-7.8	5.2	-14.9	12.2	-11.0
2003	3	14	11.7	-11.3	-0.2	-17.9	6.6	-14.1
2003	3	15	25.2	-3.8	10.5	-11.9	19.1	-7.2
2003	3	16	38.4	3.6	21.8	-5.7	31.2	-0.4
2003	3	17	42.8	6.0	38.2	3.4	41.2	5.1
2003	3	18	36.6	2.6	21.9	-5.6	29.8	-1.2
2003	3	19	26.4	-3.1	12.1	-11.1	19.6	-6.9
2003	3	20	37.5	3.1	22.1	-5.5	32.4	0.2
2003	3	21	42.0	5.6	36.6	2.6	39.0	3.9
2003	3	22	36.2	2.3	29.3	-1.5	33.2	0.6
2003	3	23	34.0	1.1	31.9	-0.1	32.9	0.5
2003	3	24	34.5	1.4	30.6	-0.8	32.5	0.3
2003	3	25	45.4	7.4	34.1	1.2	39.8	4.3
2003	3	26	42.9	6.1	27.1	-2.7	33.5	0.8
2003	3	27	27.9	-2.3	20.9	-6.2	25.2	-3.8
2003	3	28	48.1	8.9	25.2	-3.8	34.2	1.2
2003	3	29	52.6	11.4	32.3	0.2	42.2	5.7
2003	3	30	31.6	-0.2	13.4	-10.3	24.8	-4.0
2003	3	31	23.8	-4.6	10.1	-12.2	15.2	-9.3

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2003	4	1	28.7	-1.8	13.0	-10.6	21.1	-6.1
2003	4	2	32.4	0.2	28.9	-1.7	30.9	-0.6
2003	4	3	30.0	-1.1	23.1	-4.9	27.2	-2.7
2003	4	4	27.9	-2.3	22.0	-5.6	24.7	-4.0
2003	4	7	26.3	-3.2	12.1	-11.1	18.4	-7.6
2003	4	8	30.4	-0.9	24.6	-4.1	27.2	-2.7
2003	4	9	31.0	-0.6	28.8	-1.8	29.7	-1.3
2003	4	10	29.8	-1.2	22.3	-5.4	27.6	-2.4
2003	4	11	31.7	-0.2	21.5	-5.8	25.9	-3.4
2003	4	12	32.9	0.5	26.3	-3.2	30.2	-1.0
2003	4	13	27.8	-2.3	19.2	-7.1	22.9	-5.1
2003	4	14	32.3	0.2	16.5	-8.6	23.2	-4.9
2003	4	15	44.2	6.8	32.3	0.2	37.7	3.1
2003	4	16	39.7	4.3	13.2	-10.4	28.7	-1.8
2003	4	17	26.7	-2.9	12.0	-11.1	16.7	-8.5
2003	4	18	30.8	-0.7	15.6	-9.1	24.8	-4.0
2003	4	19	30.4	-0.9	24.4	-4.2	28.9	-1.7
2003	4	20	41.1	5.1	26.8	-2.9	33.0	0.6
2003	4	21	50.2	10.1	30.7	-0.7	42.9	6.1
2003	4	22	45.6	7.6	35.1	1.7	40.5	4.7
2003	4	23	34.6	1.4	27.7	-2.4	31.1	-0.5
2003	4	24	31.4	-0.3	24.6	-4.1	28.2	-2.1
2003	4	25	33.6	0.9	27.3	-2.6	30.6	-0.8
2003	4	26	45.1	7.3	32.9	0.5	39.0	3.9
2003	4	27	38.3	3.5	19.7	-6.8	30.7	-0.7
2003	4	28	39.4	4.1	26.6	-3.0	34.2	1.2
2003	4	29	39.3	4.1	33.0	0.6	36.2	2.3
2003	4	30	35.9	2.2	26.5	-3.1	33.0	0.6
2003	5	1	54.5	12.5	35.7	2.1	46.7	8.2
2003	5	2	44.0	6.7	39.0	3.9	41.3	5.1
2003	5	3	38.1	3.4	28.5	-1.9	33.5	0.9
2003	5	4	33.8	1.0	23.5	-4.7	30.0	-1.1
2003	5	5	44.3	6.8	29.8	-1.2	36.7	2.6
2003	5	6	53.7	12.1	39.8	4.3	45.4	7.4
2003	5	7	48.5	9.2	41.0	5.0	43.8	6.6
2003	5	8	44.8	7.1	41.0	5.0	42.9	6.1
2003	5	9	45.2	7.3	34.2	1.2	40.0	4.4
2003	5	10	42.1	5.6	32.3	0.2	37.0	2.8
2003	5	11	60.0	15.6	40.7	4.8	48.3	9.0
2003	5	12	48.0	8.9	40.3	4.6	44.0	6.7
2003	5	13	40.6	4.8	39.3	4.1	39.9	4.4
2003	5	14	41.5	5.3	39.4	4.1	40.4	4.7
2003	5	15	45.9	7.7	40.2	4.6	43.2	6.2
2003	5	16	50.9	10.5	40.3	4.6	43.9	6.6
2003	5	17	41.5	5.3	37.3	2.9	39.2	4.0
2003	5	18	42.8	6.0	33.7	0.9	39.1	3.9
2003	5	19	43.2	6.2	33.8	1.0	38.6	3.6
2003	5	20	55.0	12.8	38.0	3.3	43.5	6.4

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2003	5	21	42.3	5.7	34.1	1.2	37.9	3.3
2003	5	22	44.7	7.1	35.4	1.9	39.0	3.9
2003	5	23	49.0	9.4	46.1	7.8	47.5	8.6
2003	5	24	55.5	13.1	45.4	7.4	51.6	10.9
2003	5	25	54.1	12.3	46.9	8.3	49.5	9.7
2003	5	26	48.4	9.1	43.9	6.6	47.3	8.5
2003	5	27	50.4	10.2	44.2	6.8	48.0	8.9
2003	5	28	50.0	10.0	46.2	7.9	47.8	8.8
2003	5	29	50.5	10.3	45.6	7.6	47.7	8.7
2003	5	30	48.7	9.3	44.7	7.1	47.1	8.4
2003	5	31	52.9	11.6	46.2	7.9	50.0	10.0
2003	6	1	45.9	7.7	37.5	3.1	40.9	5.0
2003	6	2	43.0	6.1	38.2	3.4	40.4	4.7
2003	6	3	43.6	6.4	28.4	-2.0	38.1	3.4
2003	6	4	51.3	10.7	42.9	6.1	46.4	8.0
2003	6	5	56.3	13.5	47.1	8.4	52.3	11.3
2003	6	6	53.8	12.1	47.6	8.7	50.7	10.4
2003	6	7	59.8	15.4	54.3	12.4	57.1	13.9
2003	6	8	59.9	15.5	57.0	13.9	58.2	14.6
2003	6	9	59.8	15.4	46.2	7.9	52.6	11.5
2003	6	10	54.4	12.4	46.2	7.9	49.7	9.8
2003	6	11	65.2	18.4	53.1	11.7	60.1	15.6
2003	6	12	61.6	16.4	50.6	10.3	54.6	12.5
2003	6	13	66.4	19.1	54.7	12.6	59.7	15.4
2003	6	14	58.7	14.8	51.5	10.8	54.6	12.5
2003	6	15	59.1	15.1	43.1	6.2	48.9	9.4
2003	6	16	52.1	11.2	42.7	5.9	48.4	9.1
2003	6	17	59.9	15.5	51.8	11.0	55.7	13.1
2003	6	18	58.6	14.8	53.5	11.9	56.8	13.8
2003	6	19	59.4	15.2	53.2	11.8	57.4	14.1
2003	6	20	55.0	12.8	49.3	9.6	52.0	11.1
2003	6	21	56.6	13.7	52.4	11.3	54.2	12.3
2003	6	22	55.3	12.9	48.3	9.1	52.3	11.3
2003	6	23	56.7	13.7	47.5	8.6	49.7	9.8
2003	6	24	59.4	15.2	53.0	11.7	55.9	13.3
2003	6	25	65.1	18.4	55.9	13.3	60.4	15.8
2003	6	26	70.1	21.2	60.9	16.1	65.5	18.6
2003	6	27	67.2	19.6	52.3	11.3	58.5	14.7
2003	6	28	61.0	16.1	52.7	11.5	55.9	13.3
2003	6	29	66.8	19.3	55.4	13.0	61.4	16.3
2003	6	30	63.7	17.6	53.1	11.7	59.1	15.0
2003	7	1	61.3	16.3	50.2	10.1	56.6	13.7
2003	7	2	62.9	17.2	56.1	13.4	59.4	15.2
2003	7	3	68.3	20.2	59.0	15.0	65.1	18.4
2003	7	4	74.3	23.5	62.0	16.7	68.2	20.1
2003	7	5	74.9	23.8	67.1	19.5	72.0	22.2
2003	7	6	74.5	23.6	65.9	18.8	70.4	21.3
2003	7	7	71.0	21.7	64.2	17.9	67.0	19.5

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2003	7	8	69.6	20.9	58.5	14.7	66.2	19.0
2003	7	9	64.3	17.9	52.8	11.6	59.9	15.5
2003	7	10	62.2	16.8	48.8	9.3	57.1	14.0
2003	7	11	66.2	19.0	54.9	12.7	61.1	16.2
2003	7	12	58.6	14.8	53.8	12.1	56.5	13.6
2003	7	13	58.8	14.9	50.5	10.3	56.6	13.7
2003	7	14	61.6	16.4	49.5	9.7	55.2	12.9
2003	7	15	65.9	18.8	53.7	12.1	59.4	15.2
2003	7	16	67.3	19.6	56.1	13.4	62.2	16.8
2003	7	17	62.9	17.2	55.3	12.9	58.6	14.8
2003	7	18	62.2	16.8	51.3	10.7	56.8	13.8
2003	7	19	59.6	15.3	50.6	10.3	55.7	13.2
2003	7	20	60.6	15.9	51.3	10.7	56.2	13.5
2003	7	21	66.8	19.3	56.6	13.7	62.9	17.1
2003	7	22	66.0	18.9	61.9	16.6	64.3	17.9
2003	7	23	65.3	18.5	62.9	17.2	64.2	17.9
2003	7	24	64.1	17.8	60.7	15.9	62.8	17.1
2003	7	25	61.0	16.1	57.2	14.0	58.9	14.9
2003	7	26	64.4	18.0	58.2	14.6	61.4	16.3
2003	7	27	68.7	20.4	63.5	17.5	66.0	18.9
2003	7	28	59.7	15.4	52.2	11.2	54.8	12.7
2003	7	29	61.5	16.4	53.8	12.1	58.8	14.9
2003	7	30	65.5	18.6	52.9	11.6	59.3	15.1
2003	7	31	61.0	16.1	54.7	12.6	58.8	14.9
2003	8	1	63.9	17.7	59.1	15.1	62.5	17.0
2003	8	2	69.7	20.9	63.7	17.6	66.5	19.1
2003	8	3	70.9	21.6	65.5	18.6	68.5	20.3
2003	8	4	69.5	20.8	65.1	18.4	67.5	19.7
2003	8	5	70.7	21.5	65.3	18.5	67.9	19.9
2003	8	6	67.5	19.7	64.8	18.2	66.4	19.1
2003	8	7	68.6	20.3	63.7	17.6	66.2	19.0
2003	8	8	70.0	21.1	66.2	19.0	68.2	20.1
2003	8	9	69.5	20.8	64.7	18.2	67.2	19.6
2003	8	10	70.8	21.6	68.4	20.2	69.6	20.9
2003	8	11	71.3	21.8	66.8	19.3	69.3	20.7
2003	8	12	70.9	21.6	67.0	19.4	68.9	20.5
2003	8	13	71.9	22.2	68.4	20.2	70.5	21.4
2003	8	14	70.7	21.5	65.2	18.4	67.8	19.9
2003	8	15	72.1	22.3	64.7	18.2	68.1	20.0
2003	8	16	72.8	22.7	60.0	15.6	69.3	20.7
2003	8	17	60.4	15.8	57.1	13.9	58.8	14.9
2003	8	18	63.0	17.2	58.4	14.7	61.1	16.2
2003	8	19	63.7	17.6	57.0	13.9	60.5	15.8
2003	8	20	65.7	18.7	57.5	14.2	62.0	16.7
2003	8	21	71.8	22.1	59.8	15.4	67.0	19.4
2003	8	22	69.3	20.7	60.6	15.9	64.7	18.2
2003	8	23	61.8	16.6	44.1	6.7	50.6	10.3
2003	8	24	51.3	10.7	41.2	5.1	45.4	7.5

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2003	8	25	67.9	19.9	50.0	10.0	61.1	16.2
2003	8	26	70.4	21.3	60.3	15.7	65.5	18.6
2003	8	27	70.1	21.2	48.4	9.1	59.5	15.3
2003	8	28	51.9	11.1	47.7	8.7	49.6	9.8
2003	8	29	73.3	22.9	51.2	10.7	63.3	17.4
2003	8	30	60.2	15.7	46.7	8.2	52.1	11.2
2003	8	31	54.5	12.5	47.5	8.6	50.2	10.1
2003	9	1	58.0	14.4	51.2	10.7	55.4	13.0
2003	9	2	56.9	13.8	52.6	11.4	55.1	12.8
2003	9	3	63.5	17.5	56.1	13.4	59.7	15.4
2003	9	4	65.1	18.4	55.4	13.0	59.9	15.5
2003	9	5	57.0	13.9	51.3	10.7	53.5	11.9
2003	9	6	58.7	14.8	51.6	10.9	54.2	12.4
2003	9	7	64.1	17.8	52.7	11.5	58.3	14.6
2003	9	8	55.0	12.8	46.8	8.2	51.9	11.1
2003	9	9	54.9	12.7	46.3	7.9	49.8	9.9
2003	9	10	56.8	13.8	44.9	7.2	51.3	10.7
2003	9	11	63.5	17.5	43.4	6.3	56.7	13.7
2003	9	12	61.1	16.2	50.2	10.1	55.5	13.0
2003	9	13	63.7	17.6	49.8	9.9	58.1	14.5
2003	9	14	67.9	19.9	62.2	16.8	65.0	18.3
2003	9	15	66.8	19.3	58.6	14.8	64.5	18.1
2003	9	16	58.1	14.5	51.9	11.1	54.7	12.6
2003	9	17	58.7	14.8	51.1	10.6	55.0	12.8
2003	9	18	55.8	13.2	47.2	8.4	51.7	10.9
2003	9	19	65.1	18.4	45.4	7.4	59.5	15.3
2003	9	20	61.9	16.6	49.0	9.4	52.8	11.6
2003	9	21	55.4	13.0	47.3	8.5	50.8	10.5
2003	9	22	62.5	16.9	49.6	9.8	55.9	13.3
2003	9	23	60.8	16.0	48.7	9.3	55.2	12.9
2003	9	24	51.1	10.6	45.2	7.3	48.3	9.1
2003	9	25	56.3	13.5	44.0	6.7	49.3	9.6
2003	9	26	55.2	12.9	43.6	6.4	47.4	8.6
2003	9	27	60.6	15.9	56.3	13.5	59.0	15.0
2003	9	28	54.0	12.2	47.6	8.7	51.7	10.9
2003	9	29	49.9	9.9	40.8	4.9	45.9	7.7
2003	9	30	47.0	8.3	38.1	3.4	42.0	5.5
2003	10	1	44.1	6.7	30.8	-0.7	38.7	3.7
2003	10	2	40.6	4.8	29.8	-1.2	35.2	1.8
2003	10	3	33.7	0.9	25.9	-3.4	30.7	-0.7
2003	10	4	45.0	7.2	38.0	3.3	40.9	4.9
2003	10	5	39.8	4.3	37.4	3.0	38.1	3.4
2003	10	6	39.0	3.9	35.4	1.9	37.2	2.9
2003	10	7	43.4	6.3	35.4	1.9	39.3	4.1
2003	10	8	54.4	12.4	40.4	4.7	47.4	8.6
2003	10	9	56.8	13.8	52.6	11.4	54.6	12.6
2003	10	10	60.2	15.7	50.0	10.0	56.5	13.6
2003	10	11	55.9	13.3	48.9	9.4	52.3	11.3

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2003	10	12	56.7	13.7	46.9	8.3	50.9	10.5
2003	10	13	50.2	10.1	43.9	6.6	47.3	8.5
2003	10	14	50.6	10.3	40.5	4.7	44.5	6.9
2003	10	15	51.9	11.1	35.9	2.2	45.2	7.4
2003	10	16	40.5	4.7	34.1	1.2	36.6	2.6
2003	10	17	38.6	3.7	31.7	-0.2	34.3	1.3
2003	10	18	40.7	4.8	26.6	-3.0	35.3	1.8
2003	10	19	40.8	4.9	27.8	-2.3	34.0	1.1
2003	10	20	40.4	4.7	32.0	0.0	36.9	2.7
2003	10	21	52.6	11.4	35.2	1.8	43.5	6.4
2003	10	22	35.3	1.8	24.2	-4.3	30.1	-1.1
2003	10	23	28.8	-1.8	24.0	-4.4	26.1	-3.3
2003	10	24	29.1	-1.6	22.4	-5.3	26.3	-3.2
2003	10	25	44.5	6.9	26.1	-3.3	35.6	2.0
2003	10	26	53.8	12.1	43.2	6.2	47.6	8.7
2003	10	27	47.6	8.7	40.8	4.9	44.7	7.0
2003	10	28	40.8	4.9	34.3	1.3	36.5	2.5
2003	10	29	45.3	7.4	35.6	2.0	40.5	4.7
2003	10	30	40.3	4.6	36.3	2.4	37.9	3.3
2003	10	31	52.5	11.4	36.9	2.7	44.2	6.8
2003	11	1	55.5	13.1	41.8	5.4	48.7	9.3
2003	11	2	48.9	9.4	39.0	3.9	43.7	6.5
2003	11	3	49.8	9.9	41.6	5.3	47.2	8.4
2003	11	4	47.2	8.4	39.6	4.2	42.4	5.8
2003	11	5	58.1	14.5	38.5	3.6	51.2	10.7
2003	11	6	37.8	3.2	32.9	0.5	35.5	1.9
2003	11	7	34.8	1.6	24.2	-4.3	29.6	-1.3
2003	11	8	23.6	-4.7	8.8	-12.9	12.0	-11.1
2003	11	9	26.2	-3.2	9.7	-12.4	18.1	-7.7
2003	11	10	25.2	-3.8	17.6	-8.0	21.1	-6.1
2003	11	11	43.5	6.4	20.5	-6.4	32.5	0.3
2003	11	12	51.0	10.6	43.8	6.6	47.8	8.8
2003	11	13	49.9	9.9	21.9	-5.6	32.6	0.3
2003	11	14	31.8	-0.1	16.1	-8.8	23.9	-4.5
2003	11	15	25.6	-3.6	15.4	-9.2	20.0	-6.7
2003	11	16	32.9	0.5	26.2	-3.2	29.9	-1.2
2003	11	17	38.8	3.8	31.9	-0.1	36.8	2.7
2003	11	18	46.9	8.3	37.4	3.0	40.9	4.9
2003	11	19	57.6	14.2	45.4	7.4	51.5	10.8
2003	11	20	39.0	3.9	33.7	0.9	36.4	2.5
2003	11	21	44.9	7.2	31.5	-0.3	38.8	3.8
2003	11	22	44.3	6.8	35.7	2.1	39.6	4.2
2003	11	23	42.6	5.9	35.1	1.7	39.4	4.1
2003	11	24	44.3	6.8	26.7	-2.9	38.7	3.7
2003	11	25	27.9	-2.3	21.2	-6.0	24.1	-4.4
2003	11	26	27.8	-2.3	22.7	-5.2	24.5	-4.1
2003	11	27	40.7	4.8	28.3	-2.1	32.9	0.5
2003	11	28	50.8	10.4	36.5	2.5	42.8	6.0

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2003	11	29	35.9	2.2	25.0	-3.9	29.5	-1.4
2003	11	30	32.5	0.3	26.7	-2.9	29.4	-1.4
2003	12	1	36.8	2.7	23.1	-4.9	28.1	-2.2
2003	12	2	22.8	-5.1	6.7	-14.1	11.5	-11.4
2003	12	3	24.0	-4.4	11.9	-11.2	16.4	-8.7
2003	12	4	32.0	0.0	11.4	-11.4	23.7	-4.6
2003	12	5	17.9	-7.8	7.0	-13.9	13.0	-10.6
2003	12	6	20.4	-6.4	13.4	-10.3	16.8	-8.4
2003	12	7	18.6	-7.4	15.7	-9.1	17.0	-8.3
2003	12	8	21.8	-5.7	10.2	-12.1	16.9	-8.4
2003	12	9	22.3	-5.4	19.1	-7.2	20.5	-6.4
2003	12	10	40.5	4.7	22.5	-5.3	29.1	-1.6
2003	12	11	44.2	6.8	24.9	-3.9	37.6	3.1
2003	12	12	26.9	-2.8	8.3	-13.2	20.4	-6.4
2003	12	13	10.7	-11.8	5.6	-14.7	8.4	-13.1
2003	12	14	23.6	-4.7	1.1	-17.2	13.2	-10.5
2003	12	15	27.0	-2.8	20.4	-6.4	24.0	-4.4
2003	12	16	27.6	-2.4	16.0	-8.9	22.2	-5.5
2003	12	17	35.6	2.0	25.5	-3.6	31.8	-0.1
2003	12	18	31.6	-0.2	20.4	-6.4	24.5	-4.2
2003	12	19	31.2	-0.4	21.3	-5.9	26.6	-3.0
2003	12	20	25.7	-3.5	11.9	-11.2	17.8	-7.9
2003	12	21	21.6	-5.8	17.6	-8.0	19.5	-6.9
2003	12	22	32.9	0.5	21.1	-6.1	28.1	-2.2
2003	12	23	42.8	6.0	30.8	-0.7	36.8	2.6
2003	12	24	43.0	6.1	30.1	-1.1	37.8	3.2
2003	12	25	35.8	2.1	27.5	-2.5	30.6	-0.8
2003	12	26	37.2	2.9	24.6	-4.1	30.0	-1.1
2003	12	27	30.1	-1.1	26.2	-3.2	28.1	-2.2
2003	12	28	28.0	-2.2	19.4	-7.0	23.3	-4.8
2003	12	29	38.2	3.4	20.6	-6.3	27.9	-2.3
2003	12	30	42.6	5.9	29.6	-1.3	34.1	1.2
2003	12	31	31.8	-0.1	21.3	-5.9	26.8	-2.9
2004	1	1	28.5	-1.9	24.7	-4.1	27.0	-2.8
2004	1	2	40.3	4.6	25.3	-3.7	34.8	1.6
2004	1	3	53.2	11.8	37.2	2.9	45.7	7.6
2004	1	4	38.9	3.8	20.5	-6.4	28.0	-2.2
2004	1	5	29.9	-1.2	22.7	-5.2	25.8	-3.5
2004	1	6	24.6	-4.1	-0.7	-18.2	17.1	-8.3
2004	1	7	18.6	-7.4	6.6	-14.1	12.3	-11.0
2004	1	8	7.2	-13.8	-3.4	-19.7	3.1	-16.0
2004	1	9	-0.5	-18.1	-8.7	-22.6	-3.6	-19.8
2004	1	10	0.8	-17.3	-10.1	-23.4	-3.9	-20.0
2004	1	11	22.0	-5.6	-0.7	-18.2	10.9	-11.8
2004	1	12	28.9	-1.7	14.0	-10.0	20.9	-6.2
2004	1	13	30.4	-0.9	-0.8	-18.2	12.9	-10.6
2004	1	14	-2.6	-19.2	-18.9	-28.3	-9.7	-23.2
2004	1	15	2.0	-16.7	-6.1	-21.2	-3.2	-19.6

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2004	1	16	10.8	-11.8	0.3	-17.6	6.7	-14.1
2004	1	17	18.6	-7.4	10.8	-11.8	14.5	-9.7
2004	1	18	27.9	-2.3	14.5	-9.7	21.3	-6.0
2004	1	19	14.1	-9.9	8.4	-13.1	10.5	-12.0
2004	1	20	11.6	-11.3	7.4	-13.7	9.4	-12.5
2004	1	21	14.0	-10.0	8.5	-13.1	10.3	-12.1
2004	1	22	24.0	-4.4	7.9	-13.4	15.4	-9.2
2004	1	23	10.6	-11.9	4.7	-15.2	6.9	-13.9
2004	1	24	5.6	-14.7	-4.9	-20.5	0.0	-17.8
2004	1	26	7.4	-13.7	-0.2	-17.9	3.5	-15.8
2004	1	27	17.7	-7.9	4.9	-15.1	12.1	-11.1
2004	1	28	25.4	-3.7	17.5	-8.1	21.1	-6.0
2004	1	29	23.0	-5.0	12.1	-11.1	16.3	-8.7
2004	1	30	20.4	-6.4	10.7	-11.8	17.3	-8.2
2004	1	31	14.6	-9.7	6.8	-14.0	11.6	-11.3
2004	2	1	21.3	-5.9	9.0	-12.8	15.2	-9.3
2004	2	2	29.7	-1.3	14.5	-9.7	20.6	-6.3
2004	2	3	32.0	0.0	17.6	-8.0	24.7	-4.0
2004	2	4	30.3	-0.9	17.8	-7.9	22.4	-5.3
2004	2	6	34.6	1.4	16.4	-8.7	27.0	-2.8
2004	2	7	30.2	-1.0	7.9	-13.4	20.2	-6.6
2004	2	8	20.6	-6.3	3.9	-15.6	11.3	-11.5
2004	2	9	31.8	-0.1	11.6	-11.3	19.9	-6.8
2004	2	10	29.2	-1.6	22.9	-5.1	25.9	-3.4
2004	2	11	25.3	-3.7	14.6	-9.7	0.0	-17.8
2004	2	13	25.8	-3.4	19.2	-7.1	22.2	-5.4
2004	2	14	27.4	-2.6	2.6	-16.3	21.4	-5.9
2004	2	21	35.5	1.9	26.4	-3.1	30.9	-0.6
2004	2	22	25.5	-3.6	18.5	-7.5	22.0	-5.5
2004	2	24	18.6	-7.4	9.0	-12.8	14.3	-9.8
2004	2	26	20.4	-6.4	8.8	-12.9	15.3	-9.3
2004	2	27	24.7	-4.1	11.8	-11.2	19.2	-7.1
2004	2	28	30.3	-0.9	19.2	-7.1	25.5	-3.6
2004	2	29	35.8	2.1	24.5	-4.2	0.0	-17.8
2004	3	2	43.0	6.1	33.2	0.7	36.6	2.5
2004	3	3	45.4	7.4	33.1	0.6	34.9	1.6
2004	3	5	46.0	7.8	34.6	1.4	41.8	5.4
2004	3	6	46.3	7.9	23.5	-4.7	32.6	0.4
2004	3	7	35.6	2.0	21.9	-5.6	27.2	-2.7
2004	3	8	32.7	0.4	25.2	-3.8	0.0	-17.8
2004	3	9	30.1	-1.1	24.8	-4.0	28.1	-2.2
2004	3	12	32.6	0.3	16.8	-8.4	24.8	-4.0
2004	3	13	21.9	-5.6	11.0	-11.7	15.5	-9.2
2004	3	14	33.6	0.9	13.1	-10.5	22.0	-5.6
2004	3	15	29.0	-1.7	21.7	-5.7	24.5	-4.2
2004	3	16	22.7	-5.2	11.2	-11.6	15.9	-9.0
2004	3	17	24.4	-4.2	16.0	-8.9	19.3	-7.1
2004	3	18	25.9	-3.4	17.5	-8.1	22.6	-5.2

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2004	3	19	25.5	-3.6	18.4	-7.6	21.9	-5.6
2004	3	20	38.7	3.7	17.1	-8.3	27.8	-2.3
2004	3	21	36.3	2.4	10.0	-12.2	24.1	-4.4
2004	3	22	18.0	-7.8	0.8	-17.3	8.9	-12.8
2004	3	23	31.9	-0.1	10.6	-11.9	20.9	-6.2
2004	3	24	39.7	4.3	15.9	-8.9	27.0	-2.8
2004	3	25	44.3	6.8	38.0	3.3	41.7	5.4
2004	3	26	56.5	13.6	40.8	4.9	47.4	8.6
2004	3	27	45.9	7.7	36.9	2.7	39.8	4.3
2004	3	28	38.0	3.3	31.7	-0.2	36.2	2.3
2004	3	29	34.4	1.3	23.2	-4.9	28.8	-1.8
2004	3	30	35.6	2.0	21.3	-5.9	28.1	-2.2
2004	3	31	42.3	5.7	35.7	2.1	39.1	4.0
2004	4	1	40.5	4.7	37.7	3.2	39.1	4.0
2004	4	2	38.7	3.7	35.4	1.9	36.7	2.6
2004	4	3	36.5	2.5	34.1	1.2	35.1	1.7
2004	4	4	36.2	2.3	19.1	-7.2	28.2	-2.1
2004	4	5	23.7	-4.6	8.9	-12.8	15.0	-9.4
2004	4	6	33.5	0.8	10.5	-11.9	19.5	-7.0
2004	4	7	35.0	1.7	33.0	0.6	34.0	1.1
2004	4	8	32.8	0.4	29.8	-1.2	31.3	-0.4
2004	4	9	33.9	1.1	22.1	-5.5	27.6	-2.4
2004	4	10	31.9	-0.1	26.8	-2.9	30.0	-1.1
2004	4	11	29.1	-1.6	25.2	-3.8	26.9	-2.9
2004	4	12	36.9	2.7	23.4	-4.8	29.3	-1.5
2004	4	13	40.4	4.7	36.6	2.6	38.5	3.6
2004	4	14	37.9	3.3	30.2	-1.0	34.9	1.6
2004	4	15	32.8	0.4	22.8	-5.1	28.5	-1.9
2004	4	16	29.9	-1.2	18.3	-7.6	23.9	-4.5
2004	4	17	51.3	10.7	21.1	-6.1	37.9	3.3
2004	4	18	54.3	12.4	37.7	3.2	46.6	8.1
2004	4	19	53.0	11.7	38.7	3.7	45.2	7.4
2004	4	20	37.8	3.2	30.1	-1.1	33.9	1.1
2004	4	21	57.9	14.4	34.7	1.5	45.3	7.4
2004	4	22	55.2	12.9	38.0	3.3	44.0	6.7
2004	4	23	44.4	6.9	34.4	1.3	37.7	3.2
2004	4	24	39.6	4.2	18.5	-7.5	34.8	1.5
2004	4	25	42.7	5.9	12.0	-11.1	27.9	-2.3
2004	4	26	47.9	8.8	37.6	3.1	42.2	5.7
2004	4	27	42.0	5.6	28.0	-2.2	36.5	2.5
2004	4	28	30.3	-0.9	16.8	-8.4	25.0	-3.9
2004	4	29	42.1	5.6	30.9	-0.6	38.1	3.4
2004	4	30	51.4	10.8	42.0	5.6	46.8	8.2
2004	5	1	60.7	15.9	51.0	10.6	55.2	12.9
2004	5	2	61.5	16.4	39.6	4.2	51.4	10.8
2004	5	3	38.1	3.4	30.8	-0.7	33.3	0.7
2004	5	4	36.5	2.5	23.8	-4.6	30.2	-1.0
2004	5	5	45.8	7.7	29.5	-1.4	38.8	3.8

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2004	5	6	58.3	14.6	37.2	2.9	42.2	5.7
2004	5	7	55.0	12.8	28.1	-2.2	40.9	4.9
2004	5	8	40.7	4.8	17.0	-8.3	29.1	-1.6
2004	5	9	51.7	10.9	37.6	3.1	44.2	6.8
2004	5	10	63.4	17.4	49.6	9.8	56.0	13.4
2004	5	11	55.8	13.2	38.5	3.6	47.2	8.5
2004	5	12	60.3	15.7	36.8	2.7	51.4	10.8
2004	5	13	64.4	18.0	59.9	15.5	61.9	16.6
2004	5	14	66.2	19.0	62.9	17.2	64.3	17.9
2004	5	15	64.0	17.8	43.3	6.3	51.4	10.8
2004	5	16	44.6	7.0	41.5	5.3	43.1	6.2
2004	5	17	58.2	14.6	43.5	6.4	50.2	10.1
2004	5	18	63.4	17.4	48.9	9.4	57.4	14.1
2004	5	19	47.7	8.7	41.5	5.3	45.4	7.4
2004	5	20	62.6	17.0	41.2	5.1	54.5	12.5
2004	5	21	61.8	16.6	44.7	7.1	50.0	10.0
2004	5	22	57.5	14.2	43.9	6.6	49.0	9.4
2004	5	23	59.3	15.2	49.9	9.9	53.5	12.0
2004	5	24	63.1	17.3	47.5	8.6	56.3	13.5
2004	5	25	57.1	13.9	48.7	9.3	51.9	11.0
2004	5	26	56.3	13.5	49.6	9.8	52.5	11.4
2004	5	27	59.2	15.1	49.2	9.6	52.4	11.4
2004	5	28	60.1	15.6	39.3	4.1	48.5	9.2
2004	5	29	42.8	6.0	33.0	0.6	37.6	3.1
2004	5	30	44.3	6.8	34.2	1.2	40.8	4.9
2004	5	31	53.3	11.8	37.5	3.1	44.9	7.2
2004	6	1	55.7	13.2	47.9	8.8	51.6	10.9
2004	6	2	53.2	11.8	44.7	7.1	48.5	9.2
2004	6	3	50.7	10.4	43.2	6.2	47.2	8.4
2004	6	4	48.4	9.1	42.8	6.0	45.6	7.5
2004	6	5	53.4	11.9	45.0	7.2	48.5	9.2
2004	6	6	55.4	13.0	45.9	7.7	51.5	10.8
2004	6	7	62.8	17.1	54.8	12.7	58.0	14.5
2004	6	8	63.1	17.3	58.7	14.8	61.1	16.2
2004	6	9	66.0	18.9	59.4	15.2	63.5	17.5
2004	6	10	53.9	12.2	46.9	8.3	49.5	9.7
2004	6	11	49.9	9.9	42.3	5.7	46.2	7.9
2004	6	12	52.2	11.2	40.1	4.5	46.7	8.2
2004	6	13	60.3	15.7	42.6	5.9	52.6	11.5
2004	6	14	63.5	17.5	53.3	11.8	60.7	15.9
2004	6	15	62.7	17.1	53.1	11.7	60.2	15.6
2004	6	16	59.6	15.3	51.3	10.7	55.2	12.9
2004	6	17	65.4	18.6	57.0	13.9	62.2	16.8
2004	6	18	64.5	18.1	59.8	15.4	62.0	16.7
2004	6	19	60.0	15.6	48.7	9.3	53.0	11.7
2004	6	20	49.2	9.6	40.2	4.6	46.9	8.3
2004	6	21	56.5	13.6	40.0	4.4	46.2	7.9
2004	6	22	64.5	18.1	55.7	13.2	59.2	15.1

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2004	6	23	55.4	13.0	39.1	3.9	49.7	9.8
2004	6	24	58.0	14.4	47.2	8.4	53.8	12.1
2004	6	25	50.8	10.4	44.6	7.0	48.4	9.1
2004	6	26	54.6	12.6	47.2	8.4	51.4	10.8
2004	6	27	55.2	12.9	46.1	7.8	51.4	10.8
2004	6	28	55.3	12.9	47.2	8.4	52.0	11.1
2004	6	29	58.3	14.6	51.6	10.9	56.2	13.5
2004	6	30	57.3	14.1	48.9	9.4	53.3	11.8
2004	7	1	60.8	16.0	52.9	11.6	58.7	14.8
2004	7	2	58.0	14.4	52.9	11.6	55.8	13.2
2004	7	3	62.2	16.8	48.3	9.1	55.0	12.8
2004	7	4	68.3	20.2	54.2	12.3	62.0	16.7
2004	7	5	69.0	20.6	57.6	14.2	64.1	17.8
2004	7	6	60.5	15.8	54.7	12.6	56.5	13.6
2004	7	7	68.3	20.2	57.2	14.0	63.7	17.6
2004	7	8	66.9	19.4	56.7	13.7	62.0	16.7
2004	7	9	60.7	15.9	55.2	12.9	58.2	14.6
2004	7	10	61.5	16.4	56.5	13.6	59.9	15.5
2004	7	11	63.9	17.7	57.2	14.0	60.2	15.7
2004	7	12	67.0	19.4	60.1	15.6	64.0	17.8
2004	7	13	65.4	18.6	61.2	16.2	63.1	17.3
2004	7	14	65.6	18.7	60.7	15.9	63.0	17.2
2004	7	15	62.8	17.1	61.1	16.2	61.7	16.5
2004	7	16	65.1	18.4	61.9	16.6	63.8	17.7
2004	7	17	66.8	19.3	62.7	17.1	64.6	18.1
2004	7	18	66.7	19.3	59.5	15.3	64.1	17.8
2004	7	19	65.2	18.4	59.7	15.4	62.6	17.0
2004	7	20	65.5	18.6	60.6	15.9	63.5	17.5
2004	7	21	68.6	20.3	61.4	16.3	65.1	18.4
2004	7	22	73.1	22.8	66.0	18.9	69.1	20.6
2004	7	23	69.7	20.9	53.6	12.0	63.8	17.7
2004	7	24	51.8	11.0	47.6	8.7	48.9	9.4
2004	7	25	58.2	14.6	46.5	8.1	52.4	11.3
2004	7	26	63.9	17.7	56.3	13.5	60.1	15.6
2004	7	27	64.2	17.9	57.6	14.2	61.4	16.3
2004	7	28	65.0	18.3	57.9	14.4	62.3	16.8
2004	7	29	66.5	19.2	59.8	15.4	63.8	17.7
2004	7	30	72.6	22.6	62.1	16.7	67.4	19.7
2004	7	31	71.9	22.2	68.9	20.5	70.0	21.1
2004	8	1	68.8	20.4	61.2	16.2	65.5	18.6
2004	8	2	65.6	18.7	56.5	13.6	61.4	16.3
2004	8	3	67.8	19.9	61.7	16.5	65.3	18.5
2004	8	4	66.3	19.1	62.0	16.7	64.4	18.0
2004	8	5	61.7	16.5	45.6	7.6	51.0	10.6
2004	8	6	51.2	10.7	46.0	7.8	47.8	8.8
2004	8	7	54.0	12.2	48.5	9.2	51.3	10.7
2004	8	8	61.0	16.1	52.0	11.1	56.6	13.6
2004	8	9	64.1	17.8	53.1	11.7	59.3	15.2

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2004	8	10	67.3	19.6	56.2	13.4	62.1	16.7
2004	8	11	63.7	17.6	59.1	15.1	61.3	16.3
2004	8	12	62.6	17.0	59.0	15.0	60.7	15.9
2004	8	13	62.8	17.1	60.1	15.6	61.7	16.5
2004	8	14	59.4	15.2	54.3	12.4	57.2	14.0
2004	8	15	60.0	15.6	53.4	11.9	57.5	14.2
2004	8	16	63.1	17.3	58.6	14.8	60.6	15.9
2004	8	17	62.3	16.8	55.8	13.2	59.6	15.3
2004	8	18	62.6	17.0	58.8	14.9	60.5	15.8
2004	8	19	66.0	18.9	58.6	14.8	61.1	16.1
2004	8	20	62.3	16.8	51.8	11.0	57.6	14.2
2004	8	21	59.9	15.5	47.0	8.3	53.4	11.9
2004	8	22	54.9	12.7	47.5	8.6	51.6	10.9
2004	8	23	65.9	18.8	48.7	9.3	57.1	14.0
2004	8	24	55.6	13.1	48.5	9.2	51.7	10.9
2004	8	25	65.9	18.8	51.4	10.8	60.1	15.6
2004	8	26	63.3	17.4	60.4	15.8	62.2	16.8
2004	8	27	72.8	22.7	63.0	17.2	68.1	20.1
2004	8	28	71.7	22.1	67.6	19.8	69.4	20.8
2004	8	29	71.5	21.9	68.9	20.5	70.0	21.1
2004	8	30	68.8	20.4	64.9	18.3	67.9	19.9
2004	8	31	64.3	17.9	55.1	12.8	59.7	15.4
2004	9	1	62.6	17.0	51.8	11.0	58.7	14.8
2004	9	2	55.8	13.2	49.2	9.6	52.1	11.2
2004	9	3	65.2	18.4	55.8	13.2	60.6	15.9
2004	9	4	67.9	19.9	62.1	16.7	64.9	18.3
2004	9	5	65.8	18.8	58.9	14.9	62.4	16.9
2004	9	6	60.7	15.9	56.4	13.6	58.4	14.7
2004	9	7	68.1	20.1	58.2	14.6	63.5	17.5
2004	9	8	63.4	17.4	59.5	15.3	61.4	16.4
2004	9	9	67.9	19.9	52.6	11.4	60.5	15.9
2004	9	10	58.9	14.9	54.1	12.3	56.3	13.5
2004	9	11	60.6	15.9	54.8	12.7	57.6	14.2
2004	9	12	59.6	15.3	55.0	12.8	57.7	14.3
2004	9	13	61.0	16.1	52.0	11.1	55.7	13.1
2004	9	14	62.7	17.1	45.7	7.6	56.4	13.6
2004	9	15	61.6	16.4	58.2	14.6	59.8	15.4
2004	9	16	66.7	19.3	57.7	14.3	62.1	16.7
2004	9	17	65.3	18.5	48.8	9.3	52.5	11.4
2004	9	18	50.4	10.2	38.6	3.7	44.2	6.8
2004	9	19	49.8	9.9	39.1	3.9	43.2	6.2
2004	9	20	51.0	10.6	43.0	6.1	46.3	7.9
2004	9	21	57.2	14.0	49.0	9.4	52.0	11.1
2004	9	22	61.0	16.1	52.8	11.6	57.8	14.3
2004	9	23	64.5	18.1	60.1	15.6	62.0	16.7
2004	9	24	66.1	18.9	57.4	14.1	62.3	16.8
2004	9	25	63.8	17.7	57.6	14.2	62.1	16.7
2004	9	26	58.2	14.6	51.8	11.0	54.4	12.4

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2004	9	27	58.4	14.7	50.4	10.2	54.8	12.6
2004	9	28	60.9	16.1	51.8	11.0	56.9	13.8
2004	9	29	52.1	11.2	45.8	7.7	47.9	8.8
2004	9	30	54.4	12.4	48.2	9.0	50.9	10.5
2004	10	1	58.3	14.6	47.8	8.8	51.8	11.0
2004	10	2	61.4	16.3	41.3	5.2	51.9	11.1
2004	10	3	43.3	6.3	37.8	3.2	41.3	5.2
2004	10	4	46.9	8.3	35.4	1.9	41.2	5.1
2004	10	5	37.2	2.9	27.3	-2.6	33.8	1.0
2004	10	6	52.5	11.4	37.1	2.8	42.9	6.0
2004	10	7	55.2	12.9	42.5	5.8	49.6	9.8
2004	10	8	56.2	13.4	49.1	9.5	52.8	11.5
2004	10	9	59.5	15.3	51.4	10.8	53.8	12.1
2004	10	10	50.1	10.1	44.4	6.9	46.9	8.3
2004	10	11	44.1	6.7	36.0	2.2	38.9	3.8
2004	10	12	50.5	10.3	36.8	2.7	42.5	5.8
2004	10	13	50.2	10.1	40.4	4.7	45.3	7.4
2004	10	14	51.6	10.9	38.6	3.7	45.8	7.7
2004	10	15	55.0	12.8	45.7	7.6	50.3	10.2
2004	10	16	47.2	8.4	36.3	2.4	42.1	5.6
2004	10	17	42.6	5.9	35.9	2.2	38.4	3.6
2004	10	18	40.1	4.5	35.5	1.9	38.4	3.6
2004	10	19	40.3	4.6	38.2	3.4	39.2	4.0
2004	10	20	43.7	6.5	36.7	2.6	39.4	4.1
2004	10	21	44.7	7.1	39.6	4.2	42.7	5.9
2004	10	22	39.3	4.1	35.1	1.7	37.5	3.0
2004	10	23	35.6	2.0	33.6	0.9	34.4	1.3
2004	10	24	38.0	3.3	33.9	1.1	36.0	2.2
2004	10	25	46.5	8.1	37.9	3.3	43.3	6.3
2004	10	26	51.2	10.7	45.1	7.3	48.7	9.3
2004	10	27	49.4	9.7	37.2	2.9	44.2	6.8
2004	10	28	39.8	4.3	26.0	-3.3	35.5	1.9
2004	10	29	49.3	9.6	24.9	-3.9	37.9	3.3
2004	10	30	61.4	16.3	48.1	8.9	55.8	13.2
2004	10	31	49.6	9.8	41.7	5.4	45.4	7.4
2004	11	1	40.6	4.8	33.6	0.9	35.1	1.7
2004	11	2	49.9	9.9	33.8	1.0	41.5	5.3
2004	11	3	39.8	4.3	29.6	-1.3	32.6	0.3
2004	11	4	43.1	6.2	24.5	-4.2	33.2	0.7
2004	11	5	42.2	5.7	30.2	-1.0	34.6	1.4
2004	11	6	45.1	7.3	29.5	-1.4	39.0	3.9
2004	11	7	47.4	8.6	29.8	-1.2	40.2	4.6
2004	11	8	31.7	-0.2	18.5	-7.5	24.8	-4.0
2004	11	9	27.2	-2.7	14.6	-9.7	19.6	-6.9
2004	11	10	26.6	-3.0	18.9	-7.3	22.5	-5.3
2004	11	11	41.0	5.0	18.5	-7.5	29.9	-1.2
2004	11	12	25.2	-3.8	15.4	-9.2	19.4	-7.0
2004	11	13	26.2	-3.2	11.5	-11.4	17.9	-7.9

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2004	11	14	39.1	3.9	10.1	-12.2	28.5	-1.9
2004	11	15	40.1	4.5	33.8	1.0	37.1	2.8
2004	11	16	41.0	5.0	28.9	-1.7	35.6	2.0
2004	11	17	42.9	6.1	33.6	0.9	39.5	4.1
2004	11	18	50.2	10.1	41.1	5.1	47.3	8.5
2004	11	19	48.3	9.1	32.9	0.5	41.7	5.4
2004	11	20	45.8	7.7	32.0	0.0	37.4	3.0
2004	11	21	48.7	9.3	32.6	0.3	43.4	6.3
2004	11	22	37.5	3.1	32.1	0.1	35.3	1.8
2004	11	23	43.2	6.2	30.1	-1.1	35.6	2.0
2004	11	24	53.3	11.8	43.5	6.4	47.8	8.8
2004	11	25	54.0	12.2	16.1	-8.8	34.2	1.2
2004	11	26	28.3	-2.1	14.4	-9.8	23.9	-4.5
2004	11	27	34.5	1.4	23.9	-4.5	27.3	-2.6
2004	11	28	45.5	7.5	30.8	-0.7	37.5	3.0
2004	11	29	30.2	-1.0	25.0	-3.9	26.9	-2.8
2004	11	30	31.0	-0.6	25.1	-3.8	28.1	-2.2
2004	12	1	43.7	6.5	29.4	-1.4	35.6	2.0
2004	12	2	33.0	0.6	26.0	-3.3	30.8	-0.7
2004	12	3	32.5	0.3	19.5	-6.9	27.5	-2.5
2004	12	4	33.6	0.9	17.5	-8.1	22.4	-5.4
2004	12	5	37.4	3.0	10.5	-11.9	21.1	-6.0
2004	12	6	27.6	-2.4	9.5	-12.5	19.7	-6.8
2004	12	7	43.6	6.4	28.1	-2.2	33.3	0.7
2004	12	8	43.3	6.3	28.3	-2.1	34.7	1.5
2004	12	9	32.8	0.4	25.6	-3.6	28.8	-1.8
2004	12	10	38.0	3.3	35.4	1.9	37.3	2.9
2004	12	11	37.9	3.3	28.7	-1.8	34.3	1.3
2004	12	12	31.6	-0.2	23.7	-4.6	28.2	-2.1
2004	12	13	33.7	0.9	20.7	-6.3	29.1	-1.6
2004	12	14	17.4	-8.1	12.9	-10.6	15.3	-9.3
2004	12	15	22.1	-5.5	7.0	-13.9	14.8	-9.6
2004	12	16	25.6	-3.6	14.1	-9.9	15.8	-9.0
2004	12	17	29.1	-1.6	12.2	-11.0	19.2	-7.1
2004	12	18	26.7	-2.9	14.5	-9.7	19.5	-6.9
2004	12	19	30.3	-0.9	1.4	-17.0	17.4	-8.1
2004	12	20	3.1	-16.1	-10.2	-23.4	-1.8	-18.8
2004	12	21	20.7	-6.3	-0.7	-18.2	9.8	-12.4
2004	12	22	33.7	0.9	21.8	-5.7	29.2	-1.6
2004	12	23	48.3	9.1	18.9	-7.3	33.3	0.7
2004	12	24	24.3	-4.3	9.5	-12.5	16.7	-8.5
2004	12	25	14.4	-9.8	6.3	-14.3	10.6	-11.9
2004	12	26	16.9	-8.4	7.8	-13.4	11.8	-11.2
2004	12	27	12.6	-10.8	4.4	-15.3	8.9	-12.8
2004	12	28	20.6	-6.3	9.5	-12.5	14.5	-9.7
2004	12	29	32.6	0.3	14.9	-9.5	27.6	-2.4
2004	12	30	30.7	-0.7	26.9	-2.8	28.2	-2.1
2004	12	31	44.3	6.8	31.7	-0.2	39.8	4.4

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2005	1	1	42.5	5.8	18.1	-7.7	27.6	-2.4
2005	1	2	39.5	4.2	18.3	-7.6	28.5	-1.9
2005	1	3	41.9	5.5	32.7	0.4	35.0	1.7
2005	1	4	34.7	1.5	25.5	-3.6	29.5	-1.4
2005	1	5	25.8	-3.4	15.8	-9.0	19.2	-7.1
2005	1	6	33.4	0.8	16.9	-8.4	25.6	-3.6
2005	1	7	26.5	-3.1	16.4	-8.7	21.0	-6.1
2005	1	8	29.9	-1.2	21.2	-6.0	25.0	-3.9
2005	1	9	26.1	-3.3	20.9	-6.2	24.1	-4.4
2005	1	10	34.9	1.6	18.7	-7.4	27.6	-2.5
2005	1	11	23.4	-4.8	14.1	-9.9	17.6	-8.0
2005	1	12	38.9	3.8	23.5	-4.7	31.7	-0.2
2005	1	13	51.8	11.0	39.0	3.9	44.9	7.1
2005	1	14	37.7	3.2	11.3	-11.5	22.4	-5.4
2005	1	15	16.5	-8.6	5.8	-14.6	10.8	-11.8
2005	1	16	18.6	-7.4	13.5	-10.3	16.6	-8.5
2005	1	17	17.0	-8.3	4.0	-15.6	10.2	-12.1
2005	1	18	6.2	-14.3	-4.0	-20.0	-0.1	-17.9
2005	1	19	20.4	-6.4	-3.2	-19.6	8.4	-13.1
2005	1	20	22.2	-5.4	1.8	-16.8	9.1	-12.7
2005	1	21	1.5	-16.9	-12.1	-24.5	-4.7	-20.4
2005	1	22	10.1	-12.2	-16.2	-26.8	-3.1	-19.5
2005	1	23	4.9	-15.1	-9.1	-22.8	2.3	-16.5
2005	1	24	21.2	-6.0	-11.0	-23.9	8.9	-12.8
2005	1	25	19.9	-6.7	2.5	-16.4	9.0	-12.8
2005	1	26	18.1	-7.7	2.2	-16.6	9.7	-12.4
2005	1	27	2.2	-16.6	-8.3	-22.4	-0.5	-18.1
2005	1	28	4.4	-15.3	-8.4	-22.4	-1.9	-18.8
2005	1	29	8.0	-13.3	-1.7	-18.7	2.8	-16.3
2005	1	30	21.1	-6.1	7.5	-13.6	15.6	-9.1
2005	1	31	17.9	-7.8	10.8	-11.8	15.1	-9.4
2005	2	1	21.2	-6.0	10.1	-12.2	15.2	-9.3
2005	2	2	21.5	-5.8	11.0	-11.7	16.3	-8.7
2005	2	3	31.0	-0.6	9.5	-12.5	15.8	-9.0
2005	2	4	30.8	-0.7	26.9	-2.8	29.3	-1.5
2005	2	5	27.6	-2.4	24.2	-4.3	25.8	-3.5
2005	2	6	24.6	-4.1	23.1	-4.9	23.8	-4.5
2005	2	7	23.5	-4.7	19.4	-7.0	22.0	-5.6
2005	2	8	41.0	5.0	22.8	-5.1	34.8	1.5
2005	2	9	32.9	0.5	25.2	-3.8	29.4	-1.5
2005	2	10	26.2	-3.2	15.2	-9.3	22.3	-5.4
2005	2	11	27.8	-2.3	14.4	-9.8	18.7	-7.4
2005	2	12	30.7	-0.7	20.6	-6.3	27.7	-2.4
2005	2	13	21.9	-5.6	8.0	-13.3	11.6	-11.3
2005	2	14	38.2	3.4	10.9	-11.7	20.2	-6.5
2005	2	15	38.2	3.4	29.8	-1.2	31.8	-0.1
2005	2	16	35.8	2.1	19.9	-6.7	29.5	-1.4
2005	2	17	24.8	-4.0	14.6	-9.7	20.7	-6.3

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2005	2	18	14.7	-9.6	4.1	-15.5	8.9	-12.8
2005	2	19	24.1	-4.4	2.5	-16.4	12.2	-11.0
2005	2	20	18.8	-7.3	0.7	-17.4	7.6	-13.6
2005	2	21	28.4	-2.0	19.0	-7.2	23.4	-4.8
2005	2	22	31.1	-0.5	21.1	-6.1	26.0	-3.4
2005	2	23	23.7	-4.6	11.3	-11.5	14.9	-9.5
2005	2	24	16.7	-8.5	6.0	-14.4	10.9	-11.7
2005	2	25	17.3	-8.2	9.3	-12.6	13.1	-10.5
2005	2	26	23.8	-4.6	12.0	-11.1	18.4	-7.6
2005	2	27	19.1	-7.2	2.5	-16.4	11.3	-11.5
2005	2	28	23.3	-4.8	2.7	-16.3	10.6	-11.9
2005	3	1	25.3	-3.7	21.3	-5.9	23.9	-4.5
2005	3	2	24.4	-4.2	8.3	-13.2	18.5	-7.5
2005	3	3	16.1	-8.8	7.4	-13.7	11.3	-11.5
2005	3	4	24.8	-4.0	13.2	-10.4	20.5	-6.4
2005	3	5	25.1	-3.8	19.0	-7.2	22.7	-5.2
2005	3	6	31.3	-0.4	19.0	-7.2	26.5	-3.0
2005	3	7	31.4	-0.3	29.1	-1.6	30.9	-0.6
2005	3	9	13.6	-10.2	2.1	-16.6	7.6	-13.6
2005	3	11	27.3	-2.6	5.1	-14.9	18.0	-7.8
2005	3	13	27.6	-2.4	15.1	-9.4	19.2	-7.1
2005	3	14	21.4	-5.9	16.1	-8.8	19.3	-7.1
2005	3	15	25.7	-3.5	18.8	-7.3	21.7	-5.7
2005	3	16	24.8	-4.0	20.6	-6.3	22.5	-5.3
2005	3	17	28.4	-2.0	19.5	-6.9	23.5	-4.7
2005	3	18	27.9	-2.3	23.4	-4.8	24.9	-3.9
2005	3	19	27.9	-2.3	18.9	-7.3	24.4	-4.2
2005	3	20	30.9	-0.6	13.7	-10.2	24.1	-4.4
2005	3	21	31.7	-0.2	26.6	-3.0	30.3	-1.0
2005	3	22	31.0	-0.6	21.2	-6.0	28.6	-1.9
2005	3	23	27.1	-2.7	15.4	-9.2	21.2	-6.0
2005	3	24	31.5	-0.3	27.2	-2.7	29.2	-1.6
2005	3	25	33.2	0.7	17.5	-8.1	28.8	-1.8
2005	3	26	22.6	-5.2	11.7	-11.3	16.5	-8.6
2005	3	27	33.5	0.8	19.2	-7.1	29.1	-1.6
2005	3	28	37.7	3.2	34.5	1.4	36.6	2.5
2005	3	29	35.3	1.8	33.7	0.9	34.9	1.6
2005	3	30	34.2	1.2	26.8	-2.9	32.0	0.0
2005	3	31	43.1	6.2	27.8	-2.3	35.1	1.7
2005	4	1	44.3	6.8	31.9	-0.1	34.7	1.5
2005	4	2	38.6	3.7	32.6	0.3	35.9	2.2
2005	4	3	42.5	5.8	34.7	1.5	38.4	3.6
2005	4	4	33.9	1.1	30.5	-0.8	32.6	0.3
2005	4	5	34.8	1.6	16.6	-8.6	28.8	-1.8
2005	4	6	37.5	3.1	27.0	-2.8	33.1	0.6
2005	4	7	43.0	6.1	35.3	1.8	38.9	3.8
2005	4	8	36.6	2.6	32.7	0.4	35.2	1.8
2005	4	9	35.3	1.8	16.8	-8.4	28.9	-1.7

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2005	4	10	34.2	1.2	22.5	-5.3	29.8	-1.2
2005	4	11	31.1	-0.5	21.7	-5.7	25.9	-3.4
2005	4	12	29.4	-1.4	20.0	-6.7	24.3	-4.3
2005	4	13	30.5	-0.8	27.1	-2.7	28.8	-1.8
2005	4	14	33.5	0.8	24.4	-4.2	30.6	-0.8
2005	4	15	29.0	-1.7	13.6	-10.2	24.3	-4.3
2005	4	16	31.5	-0.3	14.4	-9.8	21.7	-5.7
2005	4	17	36.4	2.4	18.6	-7.4	29.8	-1.2
2005	4	18	39.1	3.9	25.5	-3.6	34.2	1.2
2005	4	19	45.5	7.5	25.2	-3.8	36.0	2.2
2005	4	20	46.6	8.1	36.7	2.6	42.6	5.9
2005	4	21	35.4	1.9	23.2	-4.9	28.2	-2.1
2005	4	22	46.0	7.8	22.1	-5.5	31.1	-0.5
2005	4	23	46.5	8.1	40.2	4.6	43.4	6.3
2005	4	24	43.2	6.2	29.0	-1.7	35.2	1.8
2005	4	25	36.9	2.7	27.8	-2.3	32.6	0.3
2005	4	26	37.8	3.2	30.5	-0.8	33.5	0.8
2005	4	27	46.9	8.3	37.8	3.2	41.8	5.4
2005	4	28	37.9	3.3	33.9	1.1	36.0	2.2
2005	4	29	37.1	2.8	24.9	-3.9	31.5	-0.3
2005	4	30	47.3	8.5	29.3	-1.5	40.0	4.5
2005	5	1	39.8	4.3	29.9	-1.2	36.6	2.6
2005	5	2	37.3	2.9	28.4	-2.0	34.1	1.2
2005	5	3	36.6	2.6	28.8	-1.8	32.5	0.3
2005	5	4	34.8	1.6	26.5	-3.1	30.3	-0.9
2005	5	5	37.6	3.1	27.9	-2.3	32.7	0.4
2005	5	6	38.6	3.7	28.7	-1.8	32.6	0.3
2005	5	7	39.6	4.2	31.0	-0.6	35.6	2.0
2005	5	8	40.6	4.8	36.7	2.6	38.7	3.7
2005	5	9	45.9	7.7	38.2	3.4	42.4	5.8
2005	5	10	48.9	9.4	42.4	5.8	45.7	7.6
2005	5	11	55.0	12.8	40.9	4.9	49.9	9.9
2005	5	12	37.6	3.1	23.4	-4.8	29.0	-1.7
2005	5	13	36.0	2.2	20.0	-6.7	29.7	-1.3
2005	5	14	56.9	13.8	28.2	-2.1	49.7	9.8
2005	5	15	50.1	10.1	40.3	4.6	45.4	7.5
2005	5	16	43.1	6.2	36.2	2.3	39.7	4.3
2005	5	17	40.3	4.6	33.0	0.6	37.2	2.9
2005	5	18	39.6	4.2	34.8	1.6	37.8	3.2
2005	5	19	44.1	6.7	35.1	1.7	0.0	-17.8
2005	5	21	48.7	9.3	42.7	5.9	46.0	7.8
2005	5	22	46.3	7.9	43.7	6.5	45.2	7.3
2005	5	23	49.5	9.7	45.5	7.5	47.4	8.5
2005	5	24	49.8	9.9	41.3	5.2	46.1	7.8
2005	5	25	47.0	8.3	44.3	6.8	45.8	7.7
2005	5	26	48.6	9.2	44.5	6.9	46.5	8.1
2005	5	27	51.0	10.6	46.8	8.2	47.9	8.8
2005	5	28	48.6	9.2	44.7	7.1	46.9	8.3

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2005	5	29	50.9	10.5	46.5	8.1	47.8	8.8
2005	5	30	49.8	9.9	44.2	6.8	47.6	8.7
2005	5	31	51.8	11.0	45.6	7.6	49.2	9.6
2005	6	1	55.2	12.9	45.2	7.3	50.5	10.3
2005	6	2	58.8	14.9	51.1	10.6	54.2	12.3
2005	6	3	56.9	13.8	49.8	9.9	53.9	12.2
2005	6	4	60.5	15.8	56.3	13.5	58.7	14.8
2005	6	5	66.5	19.2	58.4	14.7	62.2	16.8
2005	6	6	67.8	19.9	55.1	12.8	63.0	17.2
2005	6	7	59.8	15.4	53.6	12.0	57.7	14.3
2005	6	8	64.8	18.2	54.6	12.6	59.8	15.4
2005	6	9	70.0	21.1	63.3	17.4	66.3	19.1
2005	6	10	69.5	20.8	66.4	19.1	68.3	20.2
2005	6	11	71.3	21.8	66.4	19.1	68.8	20.4
2005	6	12	71.8	22.1	69.7	20.9	70.9	21.6
2005	6	13	73.5	23.1	68.5	20.3	71.0	21.7
2005	6	14	70.6	21.4	64.3	17.9	66.4	19.1
2005	6	15	65.9	18.8	60.2	15.7	62.9	17.2
2005	6	16	61.5	16.4	57.4	14.1	58.9	15.0
2005	6	17	58.1	14.5	54.3	12.4	56.6	13.7
2005	6	18	53.7	12.1	51.4	10.8	52.1	11.2
2005	6	19	56.3	13.5	49.6	9.8	52.9	11.6
2005	6	20	60.9	16.1	51.4	10.8	56.8	13.8
2005	6	21	62.9	17.2	54.8	12.7	58.3	14.6
2005	6	22	63.5	17.5	49.1	9.5	55.8	13.2
2005	6	23	53.6	12.0	48.2	9.0	51.6	10.9
2005	6	24	62.2	16.8	49.2	9.6	56.2	13.5
2005	6	25	68.1	20.1	53.6	12.0	62.2	16.8
2005	6	26	63.8	17.7	57.8	14.3	61.3	16.3
2005	6	27	72.2	22.3	59.0	15.0	64.9	18.3
2005	6	28	72.3	22.4	67.0	19.4	69.7	20.9
2005	6	29	70.1	21.2	65.8	18.8	67.7	19.8
2005	6	30	70.0	21.1	63.8	17.7	67.4	19.6
2005	7	1	71.0	21.7	56.4	13.6	65.5	18.6
2005	7	2	55.7	13.2	47.5	8.6	51.3	10.7
2005	7	3	62.5	16.9	48.5	9.2	53.8	12.1
2005	7	4	65.1	18.4	55.1	12.8	60.7	15.9
2005	7	5	71.7	22.1	64.5	18.1	68.6	20.3
2005	7	6	66.5	19.2	59.6	15.3	62.9	17.2
2005	7	7	63.6	17.6	60.1	15.6	62.2	16.8
2005	7	8	64.8	18.2	61.0	16.1	63.1	17.3
2005	7	9	65.4	18.6	59.5	15.3	62.6	17.0
2005	7	10	63.2	17.3	59.1	15.1	61.3	16.3
2005	7	11	66.5	19.2	60.7	15.9	63.9	17.7
2005	7	12	68.7	20.4	63.9	17.7	66.2	19.0
2005	7	13	70.6	21.4	64.7	18.2	68.3	20.2
2005	7	14	72.3	22.4	65.1	18.4	69.1	20.6
2005	7	15	72.2	22.3	65.9	18.8	69.8	21.0

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2005	7	16	76.7	24.8	69.8	21.0	72.2	22.3
2005	7	17	75.7	24.3	71.7	22.1	73.2	22.9
2005	7	18	74.8	23.8	68.2	20.1	72.6	22.6
2005	7	19	73.0	22.8	65.9	18.8	70.6	21.4
2005	7	20	64.7	18.2	60.1	15.6	62.3	16.8
2005	7	21	68.4	20.2	57.6	14.2	64.4	18.0
2005	7	22	73.3	22.9	58.0	14.4	68.6	20.3
2005	7	23	60.1	15.6	52.6	11.4	55.8	13.2
2005	8	2	73.1	22.8	68.0	20.0	70.8	21.6
2005	8	3	73.0	22.8	68.4	20.2	71.1	21.7
2005	8	4	73.0	22.8	65.2	18.4	69.1	20.6
2005	8	5	72.3	22.4	59.6	15.3	64.2	17.9
2005	8	6	64.2	17.9	59.1	15.1	61.8	16.5
2005	8	7	65.9	18.8	57.1	13.9	60.7	15.9
2005	8	8	67.7	19.8	57.0	13.9	62.8	17.1
2005	8	9	69.9	21.1	61.9	16.6	65.5	18.6
2005	8	10	70.5	21.4	64.3	17.9	67.0	19.4
2005	8	11	71.3	21.8	61.7	16.5	66.7	19.3
2005	8	12	71.8	22.1	59.6	15.3	65.7	18.7
2005	8	13	74.0	23.3	64.7	18.2	68.1	20.0
2005	8	14	67.1	19.5	60.5	15.8	63.6	17.6
2005	8	15	64.2	17.9	57.3	14.1	60.4	15.8
2005	8	16	65.3	18.5	52.8	11.6	59.8	15.4
2005	8	17	61.8	16.6	49.2	9.6	57.8	14.4
2005	8	18	57.9	14.4	48.6	9.2	52.1	11.1
2005	8	19	64.3	17.9	52.4	11.3	60.2	15.7
2005	8	20	66.1	18.9	63.7	17.6	64.8	18.2
2005	8	21	70.6	21.4	55.2	12.9	66.2	19.0
2005	8	22	60.0	15.6	53.9	12.2	57.1	14.0
2005	8	23	57.3	14.1	51.0	10.6	55.1	12.8
2005	8	24	55.1	12.8	49.3	9.6	53.1	11.7
2005	8	25	60.8	16.0	53.4	11.9	56.8	13.8
2005	8	26	65.6	18.7	54.6	12.6	58.5	14.7
2005	8	27	62.4	16.9	55.7	13.2	58.2	14.6
2005	8	28	68.1	20.1	57.6	14.2	64.6	18.1
2005	8	29	70.8	21.6	65.1	18.4	67.7	19.9
2005	8	30	70.9	21.6	64.3	17.9	67.4	19.7
2005	8	31	71.3	21.8	64.5	18.1	66.4	19.1
2005	9	1	63.5	17.5	58.1	14.5	60.8	16.0
2005	9	2	64.0	17.8	54.0	12.2	59.0	15.0
2005	9	3	63.9	17.7	58.0	14.4	60.4	15.8
2005	9	4	60.2	15.7	50.9	10.5	55.0	12.8
2005	9	5	56.5	13.6	49.9	9.9	53.3	11.8
2005	9	6	60.4	15.8	52.6	11.4	56.7	13.7
2005	9	7	62.7	17.1	53.1	11.7	58.9	14.9
2005	9	8	63.8	17.7	54.3	12.4	59.8	15.4
2005	9	9	60.6	15.9	52.4	11.3	58.5	14.7
2005	9	10	53.3	11.8	40.9	4.9	45.9	7.7

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2005	9	11	59.8	15.4	43.3	6.3	49.5	9.7
2005	9	12	65.9	18.8	52.4	11.3	59.6	15.3
2005	9	13	65.1	18.4	54.3	12.4	60.9	16.1
2005	9	14	67.8	19.9	57.3	14.1	62.0	16.6
2005	9	15	67.3	19.6	59.7	15.4	63.7	17.6
2005	9	16	67.7	19.8	58.8	14.9	63.7	17.6
2005	9	17	64.0	17.8	60.4	15.8	61.6	16.4
2005	9	18	64.0	17.8	58.0	14.4	61.2	16.2
2005	9	19	63.8	17.7	56.1	13.4	60.1	15.6
2005	9	20	63.9	17.7	54.5	12.5	59.8	15.4
2005	9	21	64.1	17.8	55.5	13.1	58.9	14.9
2005	9	22	65.8	18.8	51.9	11.1	57.1	13.9
2005	9	23	66.0	18.9	43.6	6.4	53.1	11.7
2005	9	24	46.7	8.2	39.3	4.1	42.6	5.9
2005	9	25	64.9	18.3	46.9	8.3	59.1	15.0
2005	9	26	66.4	19.1	56.9	13.8	64.2	17.9
2005	9	27	54.6	12.6	42.5	5.8	47.3	8.5
2005	9	28	50.8	10.4	43.0	6.1	47.5	8.6
2005	9	29	59.0	15.0	34.2	1.2	46.3	7.9
2005	9	30	45.8	7.7	33.7	0.9	41.6	5.4
2005	10	1	53.9	12.2	42.9	6.1	47.2	8.5
2005	10	2	61.0	16.1	51.5	10.8	56.2	13.4
2005	10	3	63.5	17.5	52.8	11.6	57.8	14.3
2005	10	4	60.8	16.0	54.1	12.3	57.1	13.9
2005	10	5	63.3	17.4	56.2	13.4	59.9	15.5
2005	10	6	63.5	17.5	57.7	14.3	60.8	16.0
2005	10	7	65.2	18.4	48.9	9.4	58.7	14.8
2005	10	8	47.6	8.7	40.3	4.6	42.3	5.7
2005	10	9	48.2	9.0	39.0	3.9	43.7	6.5
2005	10	10	53.7	12.1	48.6	9.2	51.2	10.7
2005	10	11	51.7	10.9	49.1	9.5	50.5	10.3
2005	10	12	52.0	11.1	46.2	7.9	48.6	9.2
2005	10	13	53.4	11.9	46.7	8.2	50.6	10.4
2005	10	14	54.4	12.4	51.8	11.0	53.3	11.8
2005	10	15	53.2	11.8	45.1	7.3	49.5	9.7
2005	10	16	45.3	7.4	42.0	5.6	43.6	6.5
2005	10	17	46.2	7.9	40.4	4.7	42.7	6.0
2005	10	18	51.3	10.7	44.7	7.1	47.6	8.7
2005	10	19	49.8	9.9	37.0	2.8	43.2	6.2
2005	10	20	42.5	5.8	33.4	0.8	38.3	3.5
2005	10	21	40.6	4.8	30.0	-1.1	34.5	1.4
2005	10	22	41.0	5.0	31.0	-0.6	36.5	2.5
2005	10	23	42.4	5.8	37.3	2.9	39.7	4.3
2005	10	24	41.7	5.4	39.2	4.0	40.6	4.8
2005	10	25	42.5	5.8	36.1	2.3	39.8	4.3
2005	10	26	37.4	3.0	30.3	-0.9	34.4	1.3
2005	10	27	36.1	2.3	25.5	-3.6	30.0	-1.1
2005	10	28	36.1	2.3	24.5	-4.2	31.0	-0.5

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2005	10	29	45.1	7.3	27.4	-2.6	36.5	2.5
2005	10	30	45.3	7.4	36.5	2.5	42.5	5.8
2005	10	31	47.4	8.6	31.8	-0.1	38.9	3.8
2005	11	1	48.1	8.9	35.5	1.9	43.2	6.2
2005	11	2	41.7	5.4	33.7	0.9	38.0	3.3
2005	11	3	49.4	9.7	34.2	1.2	41.7	5.4
2005	11	4	46.2	7.9	39.0	3.9	42.0	5.6
2005	11	5	52.2	11.2	43.9	6.6	48.9	9.4
2005	11	6	53.2	11.8	40.5	4.7	49.2	9.6
2005	11	7	44.9	7.2	36.3	2.4	40.1	4.5
2005	11	8	43.2	6.2	33.7	0.9	38.7	3.7
2005	11	9	51.6	10.9	30.4	-0.9	38.1	3.4
2005	11	10	38.2	3.4	23.1	-4.9	29.1	-1.6
2005	11	11	33.8	1.0	21.2	-6.0	27.0	-2.8
2005	11	12	33.5	0.8	27.1	-2.7	30.7	-0.7
2005	11	13	44.9	7.2	28.8	-1.8	35.5	1.9
2005	11	14	41.6	5.3	33.4	0.8	35.3	1.8
2005	11	15	56.1	13.4	30.9	-0.6	42.2	5.7
2005	11	16	59.7	15.4	32.5	0.3	46.4	8.0
2005	11	17	30.8	-0.7	21.6	-5.8	25.9	-3.4
2005	11	18	25.1	-3.8	16.2	-8.8	20.0	-6.7
2005	11	19	26.2	-3.2	20.5	-6.4	23.0	-5.0
2005	11	20	40.6	4.8	23.9	-4.5	30.8	-0.7
2005	11	21	41.9	5.5	27.8	-2.3	35.0	1.7
2005	11	22	38.3	3.5	19.3	-7.1	30.2	-1.0
2005	11	23	20.9	-6.2	13.4	-10.3	16.5	-8.6
2005	11	24	29.6	-1.3	1.9	-16.7	19.3	-7.1
2005	11	25	26.5	-3.1	8.4	-13.1	18.0	-7.8
2005	11	26	21.8	-5.7	14.2	-9.9	18.5	-7.5
2005	11	27	28.5	-1.9	19.5	-6.9	23.7	-4.6
2005	11	28	51.8	11.0	29.7	-1.3	43.9	6.6
2005	11	29	53.9	12.2	46.1	7.8	50.5	10.3
2005	11	30	40.3	4.6	28.3	-2.1	33.5	0.8
2005	12	1	31.2	-0.4	25.2	-3.8	27.8	-2.3
2005	12	2	33.5	0.8	18.0	-7.8	27.7	-2.4
2005	12	3	24.0	-4.4	15.7	-9.1	20.2	-6.6
2005	12	4	30.0	-1.1	15.2	-9.3	23.5	-4.7
2005	12	5	22.9	-5.1	14.5	-9.7	18.7	-7.4
2005	12	6	25.7	-3.5	15.4	-9.2	20.0	-6.7
2005	12	7	21.8	-5.7	9.1	-12.7	15.6	-9.1
2005	12	8	19.5	-6.9	12.0	-11.1	14.5	-9.7
2005	12	9	29.0	-1.7	13.4	-10.3	23.4	-4.8
2005	12	10	28.0	-2.2	16.8	-8.4	20.1	-6.6
2005	12	11	31.5	-0.3	17.7	-7.9	24.2	-4.4
2005	12	12	27.7	-2.4	9.0	-12.8	16.5	-8.6
2005	12	13	9.5	-12.5	-0.1	-17.8	6.2	-14.3
2005	12	14	1.9	-16.7	-1.7	-18.7	0.3	-17.6
2005	12	15	22.8	-5.1	0.8	-17.3	8.7	-13.0

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Table 2.3-95—{NMPNS Daily Average and Extreme Dew Point Temperatures (2001-2005)}

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Year	Month	Day	Max T_d (°F)	Max T_d (°C)	Min T_d (°F)	Min T_d (°C)	Aver T_d (°F)	Aver T_d (°C)
2005	12	16	31.5	-0.3	22.5	-5.3	27.9	-2.3
2005	12	17	24.6	-4.1	21.1	-6.1	23.2	-4.9
2005	12	18	23.2	-4.9	19.1	-7.2	21.4	-5.9
2005	12	19	24.6	-4.1	16.5	-8.6	19.8	-6.8
2005	12	20	26.7	-2.9	15.3	-9.3	20.0	-6.7
2005	12	21	26.3	-3.2	10.0	-12.2	16.6	-8.6
2005	12	22	22.6	-5.2	12.2	-11.0	18.5	-7.5
2005	12	23	36.4	2.4	22.0	-5.6	28.8	-1.8
2005	12	24	37.8	3.2	34.9	1.6	36.8	2.7
2005	12	25	38.3	3.5	28.8	-1.8	33.3	0.7
2005	12	26	38.0	3.3	27.9	-2.3	33.5	0.8
2005	12	27	31.4	-0.3	25.6	-3.6	28.3	-2.1
2005	12	28	35.9	2.2	26.6	-3.0	29.3	-1.5
2005	12	29	38.7	3.7	30.8	-0.7	35.6	2.0
2005	12	30	30.7	-0.7	15.6	-9.1	22.5	-5.3
2005	12	31	26.6	-3.0	15.8	-9.0	22.0	-5.6

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Table 2.3-96—{NMPNS Monthly Mean Temperatures (2001-2005)}

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
°F	24.3	27.4	33.6	43.8	52.9	63.8	69.9	70.6	64.2	51.7	43.7	32.0	48.2
°C	-4.3	-2.5	0.9	6.5	11.6	17.6	21.1	21.4	17.9	10.9	6.5	0.0	9.0

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Table 2.3-97—{NMPNS Monthly Mean Extreme Maximum Temperatures (2001-2005)}

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
°F	34.0	32.2	36.9	45.7	56.2	69.3	72.9	72.1	66.0	54.3	47.5	37.6
°C	1.1	0.1	2.7	7.6	13.4	20.7	22.7	22.3	18.9	12.4	8.6	3.1

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Table 2.3-98—{NMPNS Monthly Mean Extreme Minimum Temperatures (2001-2005)}

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
°F	17.4	22.4	31.4	41.4	50.4	61.0	67.8	67.4	62.2	49.7	40.9	29.0
°C	-8.1	-5.3	-0.4	5.2	10.2	16.1	19.9	19.7	16.8	9.8	5.0	-1.7

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Table 2.3-99—{NMPNS Monthly Mean Daily Maximum Temperatures (2001-2005)}

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
°F	29.5	33.3	39.3	50.5	59.4	69.5	75.2	75.9	70.5	57.0	49.5	37.2
°C	-1.4	0.7	4.1	10.3	15.2	20.9	24.0	24.4	21.4	13.9	9.7	2.9

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Table 2.3-100—{NMPNS Monthly Mean Daily Minimum Temperatures (2001-2005)}

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
°F	18.6	21.7	27.9	37.7	46.8	57.9	64.3	64.5	57.3	46.1	37.7	26.8
°C	-7.4	-5.7	-2.3	3.2	8.2	14.4	18.0	18.1	14.1	7.8	3.2	-2.9

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Table 2.3-101—{NMPNS Maximum Hourly Temperatures (2001-2005)}

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
°F	63.6	58.7	68.4	81.7	81.4	90.5	89.7	92.4	87.1	80.1	73.5	70.2
°C	17.6	14.8	20.2	27.6	27.4	32.5	32.1	33.6	30.6	26.7	23.1	21.2

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Table 2.3-102—{NMPNS Minimum Hourly Temperatures (2001-2005)}

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
°F	-12.8	-4.9	-4.7	20.0	33.6	42.5	51.6	51.1	41.2	29.6	17.1	-7.9
°C	-24.9	-20.5	-20.4	-6.7	0.9	5.8	10.9	10.6	5.1	-1.3	-8.3	-22.2

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Table 2.3-103—{NMPNS Monthly Mean Dew Point Temperatures (2001-2005)}

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
°F	17.8	18.6	25.0	33.0	43.9	55.8	60.5	61.7	55.0	42.4	34.2	24.0	39.3
°C	-7.9	-7.4	-3.9	0.6	6.6	13.2	15.8	16.5	12.8	5.8	1.2	-4.4	4.1

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Table 2.3-104—{Number of NMPNS Hourly Temperature Values Greater Than or Less Than Indicated Value and Percent Frequency of Occurrence (2001-2005)}

Value	Number of Hours of Occurrence	Percent Frequency of Occurrence
≥ 95.0°F	0	0.0
≥ 90.0°F	3	0.007
≤ 32.0°F	8981	20.7
≤ 00.0°F	180	0.415

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Table 2.3-105—{NMPNS Monthly Mean Relative Humidity (2001-2005)}

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
%	74.9	68.3	70.0	67.9	73.3	76.6	74.4	74.4	73.1	71.9	69.3	71.4	72.1

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Table 2.3-106—{Monthly Mean Temperatures (1971-2000) for Sites Around NMPNS}

SITE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Rochester, NY	°F	23.9	25.3	33.9	45.3	57.0	65.8	70.7	68.9	61.2	50.4	39.9	29.4	47.6
	°C	-4.5	-3.7	1.1	7.4	13.9	18.8	21.5	20.5	16.2	10.2	4.4	-1.4	8.7
Syracuse, NY	°F	22.7	24.5	33.6	45.3	57.1	65.8	70.9	69.2	61.3	50.1	39.7	28.6	47.4
	°C	-5.2	-4.2	0.9	7.4	13.9	18.8	21.6	20.7	16.3	10.1	4.3	-1.9	8.6
Oswego East, NY	°F	23.6	25.4	33.9	44.7	56.0	65.3	70.8	69.4	62.0	51.1	40.6	29.7	47.7
	°C	-4.7	-3.7	1.1	7.1	13.3	18.5	21.6	20.8	16.7	10.6	4.8	-1.3	8.7

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Table 2.3-107—{Monthly Mean Daily Maximum Temperatures (1971-2000) for Sites Around NMPNS}

SITE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Rochester, NY	°F	31.2	33.2	42.7	55.2	67.9	76.6	81.4	79.1	71.1	59.7	47.2	36.1	56.8
	°C	-0.4	0.7	5.9	12.9	19.9	24.8	27.4	26.2	21.7	15.4	8.4	2.3	13.8
Syracuse, NY	°F	31.4	33.5	43.1	55.7	68.5	77.0	81.7	79.6	71.4	59.8	47.4	36.3	57.1
	°C	-0.3	0.8	6.2	13.2	20.3	25.0	27.6	26.4	21.9	15.4	8.6	2.4	13.9
Oswego East, NY	°F	30.5	32.5	41.4	53.1	65.7	75.2	80.0	78.2	70.5	58.9	46.7	35.7	55.7
	°C	-0.8	0.3	5.2	11.7	18.7	24.0	26.7	25.7	21.4	14.9	8.2	2.1	13.2

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Table 2.3-108—{Monthly Mean Daily Minimum Temperatures (1971-2000) for Sites Around NMPNS}

SITE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Rochester, NY	°F	16.6	17.3	25.2	35.3	46.1	55.0	60.0	58.7	51.3	41.1	32.6	22.7	38.5
	°C	-8.6	-8.2	-3.8	1.8	7.8	12.8	15.6	14.8	10.7	5.1	0.3	-5.2	3.6
Syracuse, NY	°F	14.0	15.5	24.2	34.9	45.8	54.6	60.1	58.8	51.1	40.4	32.0	20.9	37.7
	°C	-10.0	-9.2	-4.3	1.6	7.7	12.6	15.6	14.9	10.6	4.7	0.0	-6.2	3.2
Oswego East, NY	°F	16.7	18.2	26.4	36.3	46.2	55.4	61.6	60.5	53.5	43.2	34.5	23.6	39.7
	°C	-8.5	-7.7	-3.1	2.4	7.9	13.0	16.4	15.8	11.9	6.2	1.4	-4.7	4.3

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Table 2.3-109—{Monthly Mean Wet Bulb Temperatures (1978-2000) for Sites Around NMPNS}

SITE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Rochester, NY	°F	23.3	24.1	30.3	40.7	51.0	60.2	64.5	63.5	57.0	46.3	37.3	27.9	43.8
	°C	-4.8	-4.4	-0.9	4.8	10.6	15.7	18.1	17.5	13.9	7.9	2.9	-2.3	6.6
Syracuse, NY	°F	22.3	23.5	29.7	41.0	51.6	60.4	64.8	63.7	57.1	46.2	37.2	27.5	43.8
	°C	-5.4	-4.7	-1.3	5.0	10.9	15.8	18.2	17.6	13.9	7.9	2.9	-2.5	6.6

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Table 2.3-110—{Monthly Mean Dew Point Temperatures (1978-2000) for Sites Around NMPNS}

SITE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Rochester, NY	°F	18.8	19.3	25.1	34.7	45.9	56.1	60.9	60.2	53.7	42.3	32.9	23.7	39.5
	°C	-7.3	-7.1	-3.8	1.5	7.7	13.4	16.1	15.7	12.1	5.7	0.5	-4.6	4.2
Syracuse, NY	°F	17.8	18.2	23.7	34.5	46.2	56.1	61.1	60.2	53.7	42.1	32.8	23.3	39.1
	°C	-7.9	-7.7	-4.6	1.4	7.9	13.4	16.2	15.7	12.1	5.6	0.4	-4.8	3.9

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Table 2.3-111—{Annual Heating and Humidification Design Conditions}

Annual Heating and Humidification Design Conditions														
Coldest month	Heating DB		Humidification DP/MCDB and HR						Coldest month WS/MCDB				MCWS/PCWD to 99.6% DB	
			99.6%			99%			0.4%		1%			
	99.6%	99%	DP	HR	MCDB	DP	HR	MCDB	WS	MCDB	WS	MCDB	MCWS	PCWD
1	1.6	5.6	-5.4	4.2	3.2	-1.5	5.2	7.0	31.6	21.6	28.1	22.3	9.9	240

Notes:

Values are expressed in the units provided by ASHRAE. The following abbreviations are used in the tables:

DB	Dry bulb temperature, °F
WS	Wind speed, mph
MCDB	Mean coincident dry bulb temperature, °F
MCWS	Mean coincident wind speed, mph
StdP	Standard pressure at station elevation, psi
DP	Dew point temperature, °F
Enth	Enthalpy, Btu/lb
MCDP	Mean coincident dew point temperature, °F
PCWD	Prevailing coincident wind direction, °, 0 = North, 90 = East
WB	Wet bulb temperature, °F
HR	Humidity ratio, gains of moisture per lb of dry air
MCWB	Mean coincident wet bulb temperature, °F

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Table 2.3-112—{Annual Cooling, Dehumidification, and Enthalpy Design Conditions}

Annual Cooling, Dehumidification, and Enthalpy Design Conditions															
Hottest month	Hottest month DB range	Cooling DB/MCWB						Evaporation WB/MCDB						MCWS/PCWD to 0.4% DB	
		0.4%		1%		2%		0.4%		1%		2%			
		DB	MCWB	DB	MCWB	DB	MCWB	WB	MCDB	WB	MCDB	WB	MCDB	MCWS	PCWD
7	19.7	88.5	73.1	85.6	71.3	82.9	69.8	75.7	84.5	73.8	81.7	72.1	79.7	11.8	240
Dehumidification DP/MCDB and HR									Enthalpy/MCDB						
0.4%			1%			2%			0.4%		1%		2%		
DP	HR	MCDB	DP	HR	MCDB	DP	HR	MCDB	Enth	MCDB	Enth	MCDB	Enth	MCDB	
72.9	124.8	80.9	71.2	117.4	78.6	69.5	110.9	76.6	31.8	84.6	30.0	81.7	28.4	79.6	

Notes:

Values are expressed in the units provided by ASHRAE. The following abbreviations are used in the tables:

DB	Dry bulb temperature, °F
WS	Wind speed, mph
MCDB	Mean coincident dry bulb temperature, °F
MCWS	Mean coincident wind speed, mph
StdP	Standard pressure at station elevation, psi
DP	Dew point temperature, °F
Enth	Enthalpy, Btu/lb
MCDP	Mean coincident dew point temperature, °F
PCWD	Prevailing coincident wind direction, °, 0 = North, 90 = East
WB	Wet bulb temperature, °F
HR	Humidity ratio, gains of moisture per lb of dry air
MCWB	Mean coincident wet bulb temperature, °F

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Table 2.3-113—{Extreme Annual Design Conditions}

Extreme Annual Design Conditions															
Extreme Annual WS			Extreme Max WB	Extreme Annual DB				n-Year Return Period Values of Extreme DB							
				Mean		Standard deviation		n=5 years		n=10 years		n=20 years		n=50 years	
1%	2.5%	5%		Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
25.4	22.0	19.4	82.4	92.8	-5.4	2.9	6.4	94.9	-10.0	96.6	-13.7	98.2	-17.3	100.3	-22.0

Notes:

Values are expressed in the units provided by ASHRAE. The following abbreviations are used:

DB Dry bulb temperature, °F
WS Wind speed, mph
WB Wet bulb temperature, °F

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Table 2.3-114—{Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures}

Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperatures												
%	Jan		Feb		Mar		Apr		May		Jun	
	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB
0.4%	57.5	51.3	59.1	50.6	73.4	58.0	81.2	63.8	86.3	68.7	90.1	73.1
1%	53.2	48.0	54.6	47.6	68.6	55.1	77.6	62.1	83.8	67.3	87.9	72.0
2%	49.5	44.8	51.5	45.6	63.4	53.5	73.9	59.8	81.9	66.4	86.1	71.1
%	Jul		Aug		Sep		Oct		Nov		Dec	
	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB
0.4%	93.1	75.0	90.9	74.3	86.6	72.5	77.9	63.9	69.0	59.3	62.7	57.1
1%	91.1	74.7	88.8	73.8	83.9	71.1	75.3	62.6	66.5	57.3	58.6	52.7
2%	89.2	74.1	86.6	72.5	81.5	70.1	72.7	61.3	64.1	56.6	54.8	50.1

Notes:

Values are expressed in the units provided by ASHRAE. The following abbreviations are used:

DB Dry bulb temperature, °F

MCWB Mean coincident wet bulb temperature, °F

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Table 2.3-115—{Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures}

Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperatures												
%	Jan		Feb		Mar		Apr		May		Jun	
	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB
0.4%	52.9	56.9	51.8	56.4	60.7	71.6	65.4	76.4	71.7	81.7	76.8	86.4
1%	49.5	52.7	49.2	53.7	57.2	64.5	63.6	74.9	70.5	80.0	75.3	84.0
2%	44.8	48.6	46.3	50.8	54.7	62.1	61.8	71.9	69.1	78.2	73.7	82.0
%	Jul		Aug		Sep		Oct		Nov		Dec	
	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB
0.4%	78.4	87.8	77.8	87.3	74.4	81.5	66.2	73.8	61.5	66.0	57.8	63.1
1%	77.3	87.1	76.1	84.4	73.2	80.3	64.4	71.8	59.6	64.5	53.6	57.2
2%	76.2	85.6	74.9	82.4	72.0	78.5	63.1	70.3	58.1	62.8	50.6	54.6

Notes:

Values are expressed in the units provided by ASHRAE. The following abbreviations are used:

MCDB Mean coincident dry bulb temperature, °F

WB Wet bulb temperature, °F

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Table 2.3-116—{Monthly Mean Daily Temperature Range °F}

Monthly Mean Daily Temperature Range											
Jan	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
13.4	14.6	16.0	18.2	20.0	19.9	19.7	18.7	18.3	17.3	13.7	12.4

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Table 2.3-117—{NMPNS Monthly and Annual Precipitation (2001-2005)}

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
in	1.74	1.66	2.32	2.70	4.05	2.08	2.10	3.54	3.33	3.88	3.77	2.90	34.07
mm	44.20	42.16	58.93	68.58	102.87	52.83	53.34	89.92	84.58	98.55	95.76	73.66	865.38

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Table 2.3-118—{NMPNS Monthly and Annual Percent Frequency (%) of Precipitation Occurrence (2001-2005)}

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
10.17	8.51	9.46	8.84	9.52	5.37	4.82	4.68	5.53	11.67	11.89	11.56	8.50

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Table 2.3-119—{NMPNS Hourly Rainfall Rate Distribution (2001-2005)}

	Rainfall Rate in/hr (mm/hr)													
	0.0 (0.0)	**0.0-0.1 (0.0-2.5)**	**0.1-0.2 (2.5-5.1)**	**0.2-0.3 (5.1-7.6)**	**0.3-0.4 (7.6-10.2)**	**0.4-0.5 (10.2-12.7)**	**0.5-0.6 (12.7-15.2)**	**0.6-0.7 (15.2-17.8)**	**0.7-0.8 (17.8-20.3)**	**0.8-0.9 (20.3-22.9)**	**0.9-1.0 (22.9-25.4)**	**1.0-2.0 (25.4-50.8)**	**2.0-3.0 (50.8-76.2)**	**Missing Data**
Number of hours	39467	3313	238	69	25	10	5	3	0	2	1	2	0	689

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Table 2.3-120—{NMPNS Measured Extreme Precipitation Hourly Values (2001-2005)}

Date Occurred	Rainfall Amount in (mm)
8/31/2001	1.17 (29.72)
5/30/2002	1.16 (29.46)
8/30/2004	0.91 (23.11)

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Table 2.3-121—{Mean Monthly and Annual Precipitation for Sites Around NMPNS (1971-2000)}

SITE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Oswego East, NY	in	3.79	2.83	3.36	3.32	3.17	3.42	3.03	3.80	4.17	3.77	4.47	3.80	42.93
	mm	96.27	71.88	85.34	84.33	80.52	86.87	76.96	96.52	105.92	95.76	113.54	96.52	1090.42
Syracuse, NY	in	2.60	2.12	3.02	3.39	3.39	3.71	4.02	3.56	4.15	3.20	3.77	3.12	40.05
	mm	66.04	53.85	76.71	86.11	86.11	94.23	102.11	90.42	105.41	81.28	95.76	79.25	1017.27
Rochester, NY	in	2.34	2.04	2.58	2.75	2.82	3.36	2.93	3.54	3.45	2.60	2.84	2.73	33.98
	mm	59.44	51.82	65.53	69.85	71.63	85.34	74.42	89.92	87.63	66.04	72.14	69.34	863.09

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Table 2.3-122—{Mean Monthly and Annual Snowfall for Sites Around NMPNS (1971-2000)}

SITE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Oswego East, NY	in	44.30	34.00	17.40	4.30	0.00	0.00	0.00	0.00	Trace	0.40	9.30	26.40	136.10
	mm	1125.22	863.60	441.96	109.22	0.00	0.00	0.00	0.00	Trace	10.16	236.22	670.56	3456.94
Syracuse, NY	in	31.50	20.10	18.10	4.80	0.10	0.00	0.00	0.00	< 0.05	0.50	10.70	26.10	111.90
	mm	800.10	510.54	459.74	121.92	2.54	0.00	0.00	0.00	< 1.27	12.70	271.78	662.94	2842.26
Rochester, NY	in	25.80	22.20	16.60	5.10	0.50	0.00	0.00	0.00	0.00	0.10	8.10	21.90	100.30
	mm	655.32	563.88	421.64	129.54	12.70	0.00	0.00	0.00	0.00	2.54	205.74	556.26	2547.62

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Table 2.3-123—{Monthly Mean Number of Days with Precipitation for Sites Around NMPNS (1971-2000)}

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Oswego East, NY	20.5	16.3	15.6	13.7	13.1	11.8	10.2	11.1	12.8	14.0	17.1	19.2	175.4
Syracuse, NY	19.7	15.5	16.5	14.0	12.7	12.2	11.3	11.1	12.6	13.2	16.8	18.3	173.9
Rochester, NY	19.1	16.3	15.2	13.5	11.8	11.6	10.2	10.7	11.8	12.8	15.9	18.4	167.3

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Table 2.3-124—{Monthly Mean Number of Days with Heavy Fog for Sites Around NMPNS (1964-2006)}

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Oswego East, NY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Syracuse, NY	0.8	0.8	0.9	0.5	0.6	0.4	0.5	0.8	0.9	1.1	0.8	0.8	8.9
Rochester, NY	0.7	0.7	1.4	0.8	1.0	0.7	0.6	0.8	1.3	1.5	0.7	1.0	11.2

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Table 2.3-125—{NMPNS 30 ft (9 m) Annual Stability Persistence Summary for Year 2001}

NMP JAN01-DEC01 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
30.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	STABILITY PERSISTENCE (HOURS)																									
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	59	25	16	12	10	10	6	4	1	1	0	0	0	2	0	0	0	0	0	1	0	1	0	0	2	150
	39	56	67	75	81	88	92	95	95	96	96	96	96	97	97	97	97	97	97	98	98	99	99	99	100	
B	138	40	17	9	10	2	5	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	225
	61	79	87	91	95	96	98	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	
C	207	54	29	12	11	3	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319
	65	82	91	95	98	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	194	138	87	56	45	30	26	20	13	11	12	11	8	8	4	10	3	3	6	3	3	2	2	6	11	712
	27	47	59	67	73	77	81	84	86	87	89	90	91	93	93	95	95	95	96	97	97	97	98	98	100	
E	237	117	84	52	28	33	18	15	12	14	10	9	2	5	4	4	2	1	0	1	0	1	0	0	0	649
	37	55	67	76	80	85	88	90	92	94	96	97	97	98	99	99	100	100	100	100	100	100	0	0	0	
F	212	72	29	21	11	10	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	358
	59	79	87	93	96	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	56	31	22	14	7	8	11	6	5	3	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	166
	34	52	66	74	78	83	90	93	96	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1103	477	284	176	122	96	68	48	32	32	22	22	11	15	8	14	5	4	6	5	3	5	2	6	13	2579

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
A	25	0
A	26	0
A	27	1
A	28	1
D	25	2
D	26	1
D	27	0
D	28	0
D	29	4
D	30	1
D	31	0
D	32	0
D	33	0
D	34	0
D	35	0
D	36	1
D	37	0
D	38	0
D	39	0
D	40	1
D	41	0
D	42	0
D	43	0
D	44	0
D	45	0
D	46	0
D	47	0
D	48	0
D	49	0
D	50	0
D	51	0
D	52	0
D	53	0
D	54	1

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Table 2.3-126—{NMPNS 30 ft (9 m) Annual Stability Persistence Summary for Year 2002}

NMP JAN02-DEC02 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
30.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	STABILITY PERSISTENCE (HOURS)																									
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	58	24	17	11	12	14	8	7	3	2	1	2	1	3	1	0	0	0	0	0	0	0	0	0	0	164
	35	50	60	67	74	83	88	92	94	95	96	97	98	99	100	0	0	0	0	0	0	0	0	0	0	
B	164	58	24	10	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	259
	63	86	95	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	219	70	25	10	9	6	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	346
	63	84	91	94	96	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	232	146	84	64	34	27	28	30	18	14	12	3	8	6	8	4	5	4	6	4	6	3	3	0	13	762
	30	50	61	69	73	77	81	85	87	89	90	91	92	93	94	94	95	95	96	97	98	98	98	98	100	
E	257	109	68	63	39	32	22	18	12	9	9	3	5	3	4	5	2	1	0	1	0	0	0	0	0	662
	39	55	66	75	81	86	89	92	94	95	96	97	98	98	99	99	100	100	100	100	0	0	0	0	0	
F	176	71	27	13	8	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	299
	59	83	92	96	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	39	29	9	14	6	6	4	10	2	3	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	133
	29	51	58	68	73	77	80	88	89	92	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1145	507	254	185	109	88	67	70	35	28	31	9	15	12	13	9	7	5	6	5	6	3	3	0	13	2625

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
D	25	0
D	26	2
D	27	0
D	28	0
D	29	1
D	30	0
D	31	2
D	32	2
D	33	1
D	34	0
D	35	0
D	36	0
D	37	0
D	38	0
D	39	1
D	40	0
D	41	0
D	42	0
D	43	0
D	44	0
D	45	1
D	46	0
D	47	1
D	48	0
D	49	0
D	50	0
D	51	0
D	52	0
D	53	0
D	54	0
D	55	0
D	56	0
D	57	0
D	58	0
D	59	0
D	60	0
D	61	0
D	62	1
D	63	0
D	64	0
D	65	0
D	66	1

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Table 2.3-127—{NMPNS 30 ft (9 m) Annual Stability Persistence Summary for Year 2003}

NMP JAN03-DEC03 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
30.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	STABILITY PERSISTENCE (HOURS)																								
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	70	21	20	15	14	15	7	6	2	2	1	2	1	1	2	1	1	1	0	0	0	0	0	0	0	182
	38	50	61	69	77	85	89	92	93	95	95	96	97	97	98	99	99	100	0	0	0	0	0	0	0	
B	163	48	16	16	5	2	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	254
	64	83	89	96	98	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	226	69	22	5	3	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	331
	68	89	96	97	98	98	99	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	237	169	84	63	29	27	27	14	12	12	9	7	8	9	6	4	2	5	5	3	1	1	1	5	11	751
	32	54	65	74	77	81	85	87	88	90	91	92	93	94	95	95	96	96	97	97	98	98	98	99	100	
E	278	140	85	59	40	28	22	11	18	11	8	6	6	5	5	1	2	1	0	0	0	1	0	0	0	727
	38	57	69	77	83	87	90	91	94	95	96	97	98	99	99	99	100	100	100	100	100	100	0	0	0	
F	205	91	38	27	6	6	2	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	378
	54	78	88	96	97	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	49	46	15	14	14	6	6	6	5	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	168
	29	57	65	74	82	86	89	93	96	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1228	584	280	199	111	85	66	40	38	30	23	17	16	15	13	6	5	7	5	3	1	2	1	5	11	2791

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
D	25	1
D	26	1
D	27	1
D	28	1
D	29	1
D	30	0
D	31	0
D	32	0
D	33	1
D	34	1
D	35	0
D	36	1
D	37	0
D	38	0
D	39	0
D	40	0
D	41	0
D	42	0
D	43	0
D	44	1
D	45	0
D	46	1
D	47	1

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Table 2.3-128—{NMPNS 30 ft (9 m) Annual Stability Persistence Summary for Year 2004}

NMP JAN04-DEC04 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
30.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY
STABILITY PERSISTENCE (HOURS)

STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	55	32	27	18	17	12	12	5	6	3	1	2	0	0	3	0	0	1	0	1	1	0	0	0	2	198
	28	44	58	67	75	81	87	90	93	94	95	96	96	96	97	97	97	98	98	98	99	99	99	99	100	
B	191	60	18	12	5	1	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	291
	66	86	92	97	98	99	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
C	218	80	19	11	4	3	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	338
	64	88	94	97	98	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	208	131	109	52	41	27	30	24	13	11	8	6	11	6	7	7	8	1	4	3	1	1	1	0	18	728
	29	47	62	69	74	78	82	85	87	89	90	91	92	93	94	95	96	96	97	97	97	97	98	98	100	
E	244	131	72	55	43	28	17	10	9	7	5	8	5	3	4	3	1	0	2	1	0	0	0	0	1	649
	38	58	69	77	84	88	91	92	94	95	96	97	98	98	99	99	99	99	100	100	100	100	100	100	100	
F	162	81	40	16	11	2	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	318
	51	76	89	94	97	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	51	21	13	10	12	5	4	6	7	4	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	137
	37	53	62	69	78	82	85	89	94	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1129	536	298	174	133	78	67	47	35	29	18	17	18	9	14	10	9	2	6	5	2	1	1	0	21	2659

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
A	25	0
A	26	0
A	27	0
A	28	0
A	29	0
A	30	0
A	31	0
A	32	0
A	33	0
A	34	0
A	35	1
A	36	0
A	37	1
D	25	2
D	26	4
D	27	0
D	28	2
D	29	1
D	30	1
D	31	3
D	32	0
D	33	0
D	34	1
D	35	0
D	36	2
D	37	1
D	38	0
D	39	0
D	40	0
D	41	0
D	42	1
E	25	0
E	26	1

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Table 2.3-129—{NMPNS 30 ft (9 m) Annual Stability Persistence Summary for Year 2005}

NMP JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
30.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	STABILITY PERSISTENCE (HOURS)																								
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	61	40	20	13	15	14	5	3	2	3	2	1	1	0	1	2	1	0	0	0	0	0	0	0	3	187
	33	54	65	72	80	87	90	91	93	94	95	96	96	96	97	98	98	98	98	98	98	98	98	98	100	
B	183	56	14	7	5	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	270
	68	89	94	96	98	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	220	72	30	13	6	3	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	349
	63	84	92	96	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	205	137	97	58	53	30	23	14	19	12	12	7	6	7	7	6	2	5	2	1	1	4	6	1	13	728
	28	47	60	68	76	80	83	85	87	89	91	92	92	93	94	95	95	96	96	97	97	97	98	98	100	
E	276	126	80	43	33	26	15	16	15	6	4	8	5	1	2	3	0	1	0	0	0	0	0	0	0	660
	42	61	73	80	85	88	91	93	95	96	97	98	99	99	99	100	100	100	0	0	0	0	0	0	0	
F	212	93	40	25	10	2	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	387
	55	79	89	96	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	61	34	17	17	9	7	9	9	5	6	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	184
	33	52	61	70	75	79	84	89	91	95	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1218	558	298	176	131	84	60	43	44	28	26	18	12	8	10	11	3	6	2	1	1	4	6	1	16	2765

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
A	25	2
A	26	0
A	27	1
D	25	3
D	26	1
D	27	2
D	28	0
D	29	0
D	30	1
D	31	1
D	32	1
D	33	0
D	34	0
D	35	0
D	36	0
D	37	1
D	38	0
D	39	0
D	40	0
D	41	0
D	42	0
D	43	0
D	44	0
D	45	0
D	46	1
D	47	0
D	48	0
D	49	0
D	50	0
D	51	0
D	52	0
D	53	0
D	54	0
D	55	0
D	56	0
D	57	0
D	58	0
D	59	0
D	60	0
D	61	0
D	62	0
D	63	0
D	64	0
D	65	1
D	66 - 86	0
D	87	1

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Table 2.3-130—{NMPNS 30 ft (9 m) Annual Stability Persistence Summary for Years 2001-2005}

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY																										
STABILITY	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**GT.24**	**TOTAL**
A	60.6	28.4	20	13.8	13.6	13	7.6	5	2.8	2.2	1	1.4	0.6	1.2	1.4	0.6	0.4	0.4	0	0.4	0.2	0.2	0	0	1.4	176.2
	34.6	50.8	62.2	70	77.4	84.8	89.2	92	93.6	94.8	95.4	96.2	96.6	97	97.8	78.2	78.2	78.6	58.6	58.8	59	59.2	59.2	59.2	60	0
B	167.8	52.4	17.8	10.8	5.2	1.6	2	0.8	0.2	0.4	0.4	0	0.2	0	0	0	0	0	0	0	0	0.2	0	0	0	259.8
	64.4	84.6	91.4	95.8	97.6	98.4	99.2	99.6	79.6	59.8	60	40	40	20	20	20	20	20	20	20	20	20	0	0	0	0
C	218	69	25	10.2	6.6	3.2	1.4	1.2	0.6	0.8	0.2	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	336.6
	64.6	85.4	92.8	95.8	97.6	98.6	99	99.2	79.6	59.8	40	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	215.2	144.2	92.2	58.6	40.4	28.2	26.8	20.4	15	12	10.6	6.8	8.2	7.2	6.4	6.2	4	3.6	4.6	2.8	2.4	2.2	2.6	2.4	13.2	736.2
	29.2	49	61.4	69.4	74.6	78.6	82.4	85.2	87	88.8	90.2	91.2	92	93.2	94	94.8	95.4	95.6	96.4	97	97.4	97.4	98	98.2	100	0
E	258.4	124.6	77.8	54.4	36.6	29.4	18.8	14	13.2	9.4	7.2	6.8	4.6	3.4	3.8	3.2	1.4	0.8	0.4	0.6	0	0.4	0	0	0.2	669.4
	38.8	57.2	68.8	77	82.6	86.8	89.8	91.6	93.8	95	96.2	97.2	98	98.4	99	99.2	99.8	99.8	80	80	60	60	20	20	20	0
F	193.4	81.6	34.8	20.4	9.2	4.4	2.2	0.8	0.2	0.8	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	348
	55.6	79	89	95	97.4	98.8	99.6	99.6	59.6	60	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G	51.2	32.2	15.2	13.8	9.6	6.4	6.8	7.4	4.8	3.8	4.6	1	0.8	0	0	0	0	0	0	0	0	0	0	0	0	157.6
	32.4	53	62.4	71	77.2	81.4	85.6	90.4	93.2	96	98.6	99.2	80	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**1164.6**	**532.4**	**282.8**	**182**	**121.2**	**86.2**	**65.6**	**49.6**	**36.8**	**29.4**	**24**	**16.6**	**14.4**	**11.8**	**11.6**	**10**	**5.8**	**4.8**	**5**	**3.8**	**2.6**	**3**	**2.6**	**2.4**	**14.8**	**2683.8**

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Table 2.3-131—{NMPNS 100 ft (30 m) Annual Stability Persistence Summary for Year 2001}

NMP JAN01-DEC01 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
100.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	STABILITY PERSISTENCE (HOURS)																									
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	59	23	16	12	10	11	6	4	1	1	0	0	0	2	0	0	0	0	0	1	0	1	0	0	2	149
	40	55	66	74	81	88	92	95	95	96	96	96	96	97	97	97	97	97	97	98	98	99	99	99	100	
B	138	40	17	9	11	2	4	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	225
	61	79	87	91	96	96	98	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	
C	207	54	29	12	11	3	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319
	65	82	91	95	98	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	194	138	87	56	45	30	26	20	13	11	12	11	8	8	4	10	3	3	6	3	3	2	2	6	11	712
	27	47	59	67	73	77	81	84	86	87	89	90	91	93	93	95	95	95	96	97	97	97	98	98	100	
E	237	117	84	52	28	33	18	15	12	14	10	9	2	5	4	4	2	1	0	1	0	1	0	0	0	649
	37	55	67	76	80	85	88	90	92	94	96	97	97	98	99	99	100	100	100	100	100	100	0	0	0	
F	212	72	28	21	11	10	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	357
	59	80	87	93	96	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	56	31	22	14	7	8	11	6	5	3	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	166
	34	52	66	74	78	83	90	93	96	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1103	475	283	176	123	97	67	48	32	32	22	22	11	15	8	14	5	4	6	5	3	5	2	6	13	2577

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
A	25	0
A	26	0
A	27	1
A	28	1
D	25	2
D	26	1
D	27	0
D	28	0
D	29	4
D	30	1
D	31	0
D	32	0
D	33	0
D	34	0
D	35	0
D	36	1
D	37	0
D	38	0
D	39	0
D	40	1
D	41	0
D	42	0
D	43	0
D	44	0
D	45	0
D	46	0
D	47	0
D	48	0
D	49	0
D	50	0
D	51	0
D	52	0
D	53	0
D	54	1

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Table 2.3-132—{NMPNS 100 ft (30 m) Annual Stability Persistence Summary for Year 2002}

NMP JAN02-DEC02 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
100.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	STABILITY PERSISTENCE (HOURS)																								
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	58	22	17	11	12	12	8	6	3	2	2	2	1	3	1	0	0	0	0	0	0	0	0	0	0	160
	36	50	61	68	75	83	88	91	93	94	96	97	98	99	100	0	0	0	0	0	0	0	0	0	0	
B	159	53	24	8	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	247
	64	86	96	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	212	68	24	10	7	5	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	333
	64	84	91	94	96	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	223	139	81	62	33	27	27	30	17	14	12	3	7	6	7	4	4	4	5	4	6	3	1	0	12	731
	31	50	61	69	74	77	81	85	87	89	91	91	92	93	94	95	95	96	96	97	98	98	98	98	100	
E	248	107	66	63	35	29	22	17	12	9	9	2	5	3	4	5	2	1	0	1	0	0	0	0	0	640
	39	55	66	76	81	86	89	92	94	95	96	97	98	98	99	99	100	100	100	100	0	0	0	0	0	
F	168	71	27	12	8	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	290
	58	82	92	96	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	37	29	9	13	6	6	4	10	2	3	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	130
	28	51	58	68	72	77	80	88	89	92	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1105	489	248	179	102	81	67	68	34	28	32	8	14	12	12	9	6	5	5	5	6	3	1	0	12	2531

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
D	25	0
D	26	2
D	27	0
D	28	0
D	29	1
D	30	0
D	31	2
D	32	2
D	33	0
D	34	0
D	35	0
D	36	0
D	37	0
D	38	0
D	39	1
D	40	0
D	41	0
D	42	0
D	43	0
D	44	0
D	45	1
D	46	0
D	47	1
D	48	0
D	49	0
D	50	0
D	51	0
D	52	0
D	53	0
D	54	0
D	55	0
D	56	0
D	57	0
D	58	0
D	59	0
D	60	0
D	61	0
D	62	1
D	63	0
D	64	0
D	65	0
D	66	1

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Table 2.3-133—{NMPNS 100 ft Annual Stability Persistence Summary for Year 2003}

NMP JAN03-DEC03 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
100.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	STABILITY PERSISTENCE (HOURS)																								
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	70	22	18	15	14	15	8	6	2	2	1	2	1	1	2	1	1	1	0	0	0	0	0	0	0	182
	38	51	60	69	76	85	89	92	93	95	95	96	97	97	98	99	99	100	0	0	0	0	0	0	0	
B	162	47	16	17	5	2	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	253
	64	83	89	96	98	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	222	68	23	6	3	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	328
	68	88	95	97	98	98	99	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	244	167	83	64	30	25	27	15	12	12	9	7	9	8	5	4	2	4	5	4	1	1	1	5	9	753
	32	55	66	74	78	81	85	87	89	90	91	92	93	95	95	96	96	97	97	98	98	98	98	99	100	
E	276	140	84	59	39	27	22	11	18	11	8	6	6	5	5	1	2	1	0	0	0	1	0	0	0	722
	38	58	69	77	83	87	90	91	94	95	96	97	98	99	99	99	100	100	100	100	100	100	0	0	0	
F	204	90	37	28	6	5	2	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	375
	54	78	88	96	97	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	48	46	15	14	14	6	6	6	5	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	167
	29	56	65	74	82	86	89	93	96	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1226	580	276	203	111	81	67	41	38	30	23	17	17	14	12	6	5	6	5	4	1	2	1	5	9	2780

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
D	25	1
D	26	1
D	27	1
D	28	1
D	29	1
D	30	0
D	31	0
D	32	0
D	33	0
D	34	1
D	35	0
D	36	1
D	37	0
D	38	0
D	39	0
D	40	0
D	41	0
D	42	0
D	43	0
D	44	1
D	45	0
D	46	1

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Table 2.3-134—{NMPNS100 ft (30 m) Annual Stability Persistence Summary for Year 2004}

NMP JAN04-DEC04 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
100.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	STABILITY PERSISTENCE (HOURS)																								
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	55	32	27	19	17	12	12	5	6	3	1	2	0	0	3	0	0	1	0	1	1	0	0	0	2	199
	28	44	57	67	75	81	87	90	93	94	95	96	96	96	97	97	97	98	98	98	99	99	99	99	100	
B	190	61	18	12	5	1	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	291
	65	86	92	97	98	99	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
C	219	82	19	11	4	3	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	341
	64	88	94	97	98	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	206	132	109	52	41	28	30	24	13	11	8	6	11	7	7	7	8	1	4	4	1	1	1	0	17	729
	28	46	61	68	74	78	82	85	87	89	90	91	92	93	94	95	96	96	97	97	97	98	98	98	100	
E	244	131	72	55	43	28	17	10	9	7	5	8	5	3	4	3	1	0	2	1	0	0	0	0	1	649
	38	58	69	77	84	88	91	92	94	95	96	97	98	98	99	99	99	99	100	100	100	100	100	100	100	
F	162	81	40	16	11	2	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	318
	51	76	89	94	97	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	51	21	13	10	12	5	4	6	7	4	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	137
	37	53	62	69	78	82	85	89	94	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1127	540	298	175	133	79	67	47	35	29	18	17	18	10	14	10	9	2	6	6	2	1	1	0	20	2664

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
A	25	0
A	26	0
A	27	0
A	28	0
A	29	0
A	30	0
A	31	0
A	32	0
A	33	0
A	34	0
A	35	1
A	36	0
A	37	1
D	25	2
D	26	4
D	27	0
D	28	2
D	29	1
D	30	1
D	31	3
D	32	0
D	33	0
D	34	1
D	35	0
D	36	1
D	37	1
D	38	0
D	39	0
D	40	0
D	41	0
D	42	1
E	25	0
E	26	1

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Table 2.3-135— {NMPNS 100 ft (30 m) Annual Stability Persistence Summary for Year 2005}

(Page 1 of 2)

NMP JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
100.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	STABILITY PERSISTENCE (HOURS)																									
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	61	40	20	15	15	14	5	3	2	3	2	1	1	0	1	2	1	0	0	0	0	0	0	0	3	189
	32	53	64	72	80	87	90	92	93	94	95	96	96	96	97	98	98	98	98	98	98	98	98	98	100	
B	180	58	15	8	5	3	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	272
	66	88	93	96	98	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	217	76	31	13	6	3	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	351
	62	83	92	96	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	203	139	97	59	51	29	25	15	19	12	12	7	6	6	7	7	2	5	2	1	1	5	6	1	12	729
	28	47	60	68	75	79	83	85	87	89	91	92	92	93	94	95	95	96	96	97	97	97	98	98	100	
E	276	125	81	43	33	25	16	15	16	6	4	8	5	1	2	3	0	1	0	0	0	0	0	0	0	660
	42	61	73	80	85	88	91	93	95	96	97	98	99	99	99	100	100	100	0	0	0	0	0	0	0	
F	212	93	40	25	10	2	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	387
	55	79	89	96	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	61	34	17	17	9	7	9	9	5	6	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	184
	33	52	61	70	75	79	84	89	91	95	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1210	565	301	180	129	83	63	43	45	28	26	18	12	7	10	12	3	6	2	1	1	5	6	1	15	2772

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Table 2.3-135— {NMPNS 100 ft (30 m) Annual Stability Persistence Summary for Year 2005}

(Page 2 of 2)

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
A	25	2
A	26	0
A	27	1
D	25	3
D	26	1
D	27	1
D	28	0
D	29	0
D	30	1
D	31	1
D	32	1
D	33	0
D	34	0
D	35	0
D	36	0
D	37	1
D	38	0
D	39	0
D	40	0
D	41	0
D	42	0
D	43	0
D	44	0
D	45	0
D	46	1
D	47	0
D	48	0
D	49	0
D	50	0
D	51	0
D	52	0
D	53	0
D	54	0
D	55	0
D	56	0
D	57	0
D	58	0
D	59	0
D	60	0
D	61	0
D	62	0
D	63	0
D	64	0
D	65	1
D	66	0
D	67	0
D	68	0
D	69	0
D	70	0
D	71	0
D	72	0
D	73	0
D	74	0
D	75	0
D	76	0
D	77	0
D	78	0
D	79	0
D	80	0
D	81	0
D	82	0
D	83	0
D	84	0
D	85	0
D	86	0
D	87	1

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Table 2.3-136—{NMPNS 100 ft (30 m) Annual Stability Persistence Summary for Years 2001-2005}

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY																										
STABILITY	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**GT.24**	**TOTAL**
A	60.6	27.8	19.6	14.4	13.6	12.8	7.8	4.8	2.8	2.2	1.2	1.4	0.6	1.2	1.4	0.6	0.4	0.4	0	0.4	0.2	0.2	0	0	1.4	175.8
	34.8	50.6	61.6	70	77.4	84.8	89.2	92	93.4	94.6	95.4	96.2	96.6	97	97.8	78.2	78.2	78.6	58.6	58.8	59	59.2	59.2	59.2	60	0
B	165.8	51.8	18	10.8	5.4	1.6	2	0.8	0.2	0.4	0.4	0	0.2	0	0	0	0	0	0	0	0	0.2	0	0	0	257.6
	64	84.4	91.4	95.8	97.8	98.2	99.2	99.6	79.6	59.8	60	40	40	20	20	20	20	20	20	20	20	20	0	0	0	0
C	215.4	69.6	25.2	10.4	6.2	3	1.4	1.2	0.6	0.8	0.2	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	334.4
	64.6	85	92.6	95.8	97.6	98.6	99	99.2	79.6	59.8	40	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	214	143	91.4	58.6	40	27.8	27	20.8	14.8	12	10.6	6.8	8.2	7	6	6.4	3.8	3.4	4.4	3.2	2.4	2.4	2.2	2.4	12.2	730.8
	29.2	49	61.4	69.2	74.8	78.4	82.4	85.2	87.2	88.8	90.4	91.2	92	93.4	94	95.2	95.4	96	96.4	97.2	97.4	97.6	98	98.2	100	0
E	256.2	124	77.4	54.4	35.6	28.4	19	13.6	13.4	9.4	7.2	6.6	4.6	3.4	3.8	3.2	1.4	0.8	0.4	0.6	0	0.4	0	0	0.2	664
	38.8	57.4	68.8	77.2	82.6	86.8	89.8	91.6	93.8	95	96.2	97.2	98	98.4	99	99.2	99.8	99.8	80	80	60	60	20	20	20	0
F	191.6	81.4	34.4	20.4	9.2	4.2	2.2	0.8	0.2	0.8	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	345.4
	55.4	79	89	95	97.4	98.8	99.6	99.6	59.6	60	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G	50.6	32.2	15.2	13.6	9.6	6.4	6.8	7.4	4.8	3.8	4.6	1	0.8	0	0	0	0	0	0	0	0	0	0	0	0	156.8
	32.2	52.8	62.4	71	77	81.4	85.6	90.4	93.2	96	98.6	99.2	80	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**1154.2**	**529.8**	**281.2**	**182.6**	**119.6**	**84.2**	**66.2**	**49.4**	**36.8**	**29.4**	**24.2**	**16.4**	**14.4**	**11.6**	**11.2**	**10.2**	**5.6**	**4.6**	**4.8**	**4.2**	**2.6**	**3.2**	**2.2**	**2.4**	**13.8**	**2664.8**

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Table 2.3-137—{NMPNS 200 ft (61 m) Annual Stability Persistence Summary for Year 2001}

NMP JAN01-DEC01 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY PERSISTENCE (HOURS)

STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	59	23	16	12	10	11	6	4	1	1	0	0	0	2	0	0	0	0	0	1	0	1	0	0	2	149
	40	55	66	74	81	88	92	95	95	96	96	96	96	97	97	97	97	97	97	98	98	99	99	99	100	
B	138	40	17	9	10	2	5	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	225
	61	79	87	91	95	96	98	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	
C	207	54	29	12	11	3	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319
	65	82	91	95	98	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	194	138	89	55	45	30	26	20	13	11	12	11	9	8	4	10	3	3	6	2	3	2	2	6	11	713
	27	47	59	67	73	77	81	84	86	87	89	90	92	93	93	95	95	96	96	97	97	97	98	98	100	
E	237	117	84	52	28	33	18	15	12	14	10	9	2	5	4	4	2	1	0	1	0	1	0	0	0	649
	37	55	67	76	80	85	88	90	92	94	96	97	97	98	99	99	100	100	100	100	100	100	0	0	0	
F	212	72	29	21	11	10	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	358
	59	79	87	93	96	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	56	31	22	14	7	8	11	6	5	3	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	166
	34	52	66	74	78	83	90	93	96	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1103	475	286	175	122	97	68	48	32	32	22	22	12	15	8	14	5	4	6	4	3	5	2	6	13	2579

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
A	25	0
A	26	0
A	27	1
A	28	1
D	25	2
D	26	1
D	27	0
D	28	0
D	29	4
D	30	1
D	31	0
D	32	0
D	33	0
D	34	0
D	35	0
D	36	1
D	37	0
D	38	0
D	39	0
D	40	1
D	41	0
D	42	0
D	43	0
D	44	0
D	45	0
D	46	0
D	47	0
D	48	0
D	49	0
D	50	0
D	51	0
D	52	0
D	53	0
D	54	1

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Table 2.3-138—{NMPNS 200 ft (61 m) Annual Stability Persistence Summary for Year 2002}

NMP JAN02-DEC02 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	STABILITY PERSISTENCE (HOURS)																								
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	58	26	18	11	12	12	8	7	3	2	2	2	1	3	1	0	0	0	0	0	0	0	0	0	0	166
	35	51	61	68	75	83	87	92	93	95	96	97	98	99	100	0	0	0	0	0	0	0	0	0	0	
B	163	57	24	9	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	257
	63	86	95	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	219	70	25	10	9	6	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	346
	63	84	91	94	96	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	232	145	82	64	35	26	28	29	18	14	12	3	8	6	8	4	5	4	6	3	6	2	2	0	13	755
	31	50	61	69	74	77	81	85	87	89	91	91	92	93	94	95	95	96	97	97	98	98	98	98	100	
E	254	109	68	62	38	31	22	17	11	9	9	3	5	3	4	5	2	1	0	1	0	0	0	0	0	654
	39	56	66	75	81	86	89	92	94	95	96	97	98	98	99	99	100	100	100	100	0	0	0	0	0	
F	176	70	27	13	8	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	298
	59	83	92	96	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	39	29	9	14	6	6	4	10	2	3	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	133
	29	51	58	68	73	77	80	88	89	92	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1141	506	253	183	109	84	68	68	34	28	32	9	15	12	13	9	7	5	6	4	6	2	2	0	13	2609

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
D	25	0
D	26	2
D	27	0
D	28	0
D	29	1
D	30	0
D	31	2
D	32	2
D	33	1
D	34	0
D	35	0
D	36	0
D	37	0
D	38	0
D	39	1
D	40	0
D	41	0
D	42	0
D	43	0
D	44	0
D	45	1
D	46	0
D	47	1
D	48	0
D	49	0
D	50	0
D	51	0
D	52	0
D	53	0
D	54	0
D	55	0
D	56	0
D	57	0
D	58	0
D	59	0
D	60	0
D	61	0
D	62	1
D	63	0
D	64	0
D	65	0
D	66	1

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Table 2.3-139—{NMPNS 200 ft (61 m) Annual Stability Persistence Summary for Year 2003}

NMP JAN03-DEC03 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	STABILITY PERSISTENCE (HOURS)																									
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	70	21	18	14	14	15	7	6	2	2	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	178
	39	51	61	69	77	85	89	93	94	95	96	97	97	98	98	99	99	100	0	0	0	0	0	0	0	
B	158	44	16	13	5	2	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	242
	65	83	90	95	98	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	217	62	20	5	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	311
	70	90	96	98	98	99	99	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	236	158	83	62	27	25	27	15	12	12	7	7	8	9	5	4	2	4	5	3	1	1	1	4	11	729
	32	54	65	74	78	81	85	87	88	90	91	92	93	94	95	96	96	96	97	98	98	98	98	98	100	
E	272	140	85	59	38	27	22	11	17	10	8	6	6	5	5	1	2	1	0	0	0	1	0	0	0	716
	38	58	69	78	83	87	90	91	94	95	96	97	98	99	99	99	100	100	100	100	100	100	0	0	0	
F	203	91	38	27	6	6	2	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	376
	54	78	88	95	97	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	48	46	15	14	14	6	6	6	5	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	167
	29	56	65	74	82	86	89	93	96	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1204	562	275	194	106	82	66	40	37	29	21	17	16	15	11	6	5	6	5	3	1	2	1	4	11	2719

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
D	25	1
D	26	1
D	27	1
D	28	1
D	29	1
D	30	0
D	31	0
D	32	0
D	33	1
D	34	1
D	35	0
D	36	1
D	37	0
D	38	0
D	39	0
D	40	0
D	41	0
D	42	0
D	43	0
D	44	1
D	45	0
D	46	1
D	47	1

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Table 2.3-140—{NMPNS 200 ft (61 m) Annual Stability Persistence Summary for Year 2004}

NMP JAN04-DEC04 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	STABILITY PERSISTENCE (HOURS)																									
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	56	32	27	20	17	11	12	5	6	3	1	2	0	0	3	0	0	1	0	1	1	0	0	0	2	200
	28	44	58	68	76	82	88	90	93	95	95	96	96	96	98	98	98	98	98	99	99	99	99	99	100	
B	191	60	18	12	5	1	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	291
	66	86	92	97	98	99	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
C	218	82	19	11	4	3	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	340
	64	88	94	97	98	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	207	131	111	51	41	27	30	24	13	11	8	6	11	6	7	7	8	1	4	3	1	1	1	0	18	728
	28	46	62	69	74	78	82	85	87	89	90	91	92	93	94	95	96	96	97	97	97	97	98	98	100	
E	243	131	72	55	43	28	17	10	9	7	5	8	5	3	4	3	1	0	2	1	0	0	0	0	1	648
	38	58	69	77	84	88	91	92	94	95	96	97	98	98	99	99	99	99	100	100	100	100	100	100	100	
F	162	81	40	16	11	2	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	318
	51	76	89	94	97	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	51	21	13	10	12	5	4	6	7	4	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	137
	37	53	62	69	78	82	85	89	94	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1128	538	300	175	133	77	67	47	35	29	18	17	18	9	14	10	9	2	6	5	2	1	1	0	21	2662

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
A	25	0
A	26	0
A	27	0
A	28	0
A	29	0
A	30	0
A	31	0
A	32	0
A	33	0
A	34	0
A	35	1
A	36	0
A	37	1
D	25	2
D	26	4
D	27	0
D	28	2
D	29	1
D	30	1
D	31	3
D	32	0
D	33	0
D	34	1
D	35	0
D	36	2
D	37	1
D	38	0
D	39	0
D	40	0
D	41	0
D	42	1
E	25	0
E	26	1

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Table 2.3-141—{NMPNS 200 ft (61 m) Annual Stability Persistence Summary for Year 2005}

(Page 1 of 2)

NMP JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
200.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

	STABILITY PERSISTENCE (HOURS)																									
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	61	40	20	15	15	14	5	3	2	3	2	1	1	0	1	2	1	0	0	0	0	0	0	0	3	189
	32	53	64	72	80	87	90	92	93	94	95	96	96	96	97	98	98	98	98	98	98	98	98	98	100	
B	180	58	15	8	5	3	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	272
	66	88	93	96	98	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	217	76	31	13	6	3	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	351
	62	83	92	96	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	203	137	97	58	51	29	25	15	19	12	12	7	6	7	7	7	2	5	2	1	1	5	6	1	12	727
	28	47	60	68	75	79	83	85	87	89	91	91	92	93	94	95	95	96	96	97	97	97	98	98	100	
E	276	125	81	43	33	25	16	15	16	6	4	8	5	1	2	3	0	1	0	0	0	0	0	0	0	660
	42	61	73	80	85	88	91	93	95	96	97	98	99	99	99	100	100	100	0	0	0	0	0	0	0	
F	212	93	40	25	10	2	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	387
	55	79	89	96	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	61	34	17	17	9	7	9	9	5	6	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	184
	33	52	61	70	75	79	84	89	91	95	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1210	563	301	179	129	83	63	43	45	28	26	18	12	8	10	12	3	6	2	1	1	5	6	1	15	2770

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Table 2.3-141—{NMPNS 200 ft (61 m) Annual Stability Persistence Summary for Year 2005}

(Page 2 of 2)

PERSISTENCE GREATER THAN 24 HOURS

STABILITY	HOURS	NUMBER
A	25	2
A	26	0
A	27	1
D	25	3
D	26	1
D	27	1
D	28	0
D	29	0
D	30	1
D	31	1
D	32	1
D	33	0
D	34	0
D	35	0
D	36	0
D	37	1
D	38	0
D	39	0
D	40	0
D	41	0
D	42	0
D	43	0
D	44	0
D	45	0
D	46	1
D	47	0
D	48	0
D	49	0
D	50	0
D	51	0
D	52	0
D	53	0
D	54	0
D	55	0
D	56	0
D	57	0
D	58	0
D	59	0
D	60	0
D	61	0
D	62	0
D	63	0
D	64	0
D	65	1
D	66	0
D	67	0
D	68	0
D	69	0
D	70	0
D	71	0
D	72	0
D	73	0
D	74	0
D	75	0
D	76	0
D	77	0
D	78	0
D	79	0
D	80	0
D	81	0
D	82	0
D	83	0
D	84	0
D	85	0
D	86	0
D	87	1

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Table 2.3-142—{NMPNS 200 ft (61 m) Annual Stability Persistence Summary for Years 2001-2005}

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY																										
STABILITY	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**GT.24**	**TOTAL**
A	60.8	28.4	19.8	14.4	13.6	12.6	7.6	5	2.8	2.2	1.2	1.4	0.6	1.2	1.2	0.6	0.4	0.4	0	0.4	0.2	0.2	0	0	1.4	176.4
	34.8	50.8	62	70.2	77.8	85	89.2	92.4	93.6	95	95.6	96.4	96.6	97.2	98	78.4	78.4	78.6	58.6	59	59	59.2	59.2	59.2	60	0
B	166	51.8	18	10.2	5.2	1.8	2.2	0.8	0.2	0.4	0.4	0	0.2	0	0	0	0	0	0	0	0	0.2	0	0	0	257.4
	64.2	84.4	91.4	95.4	97.6	98.2	99.2	99.6	79.6	59.8	60	40	40	20	20	20	20	20	20	20	20	20	0	0	0	0
C	215.6	68.8	24.8	10.2	6.4	3.2	1.4	1	0.6	0.8	0.2	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	333.4
	64.8	85.4	92.8	96	97.6	98.8	99	99.2	79.6	59.8	40	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	214.4	141.8	92.4	58	39.8	27.4	27.2	20.6	15	12	10.2	6.8	8.4	7.2	6.2	6.4	4	3.4	4.6	2.4	2.4	2.2	2.4	2.2	13	730.4
	29.2	48.8	61.4	69.4	74.8	78.4	82.4	85.2	87	88.8	90.4	91	92.2	93.2	94	95.2	95.4	96	96.6	97.2	97.4	97.4	98	98	100	0
E	256.4	124.4	78	54.2	36	28.8	19	13.6	13	9.2	7.2	6.8	4.6	3.4	3.8	3.2	1.4	0.8	0.4	0.6	0	0.4	0	0	0.2	665.4
	38.8	57.6	68.8	77.2	82.6	86.8	89.8	91.6	93.8	95	96.2	97.2	98	98.4	99	99.2	99.8	99.8	80	80	60	60	20	20	20	0
F	193	81.4	34.8	20.4	9.2	4.4	2.2	0.8	0.2	0.8	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	347.4
	55.6	79	89	94.8	97.4	98.8	99.6	99.6	59.6	60	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G	51	32.2	15.2	13.8	9.6	6.4	6.8	7.4	4.8	3.8	4.6	1	0.8	0	0	0	0	0	0	0	0	0	0	0	0	157.4
	32.4	52.8	62.4	71	77.2	81.4	85.6	90.4	93.2	96	98.6	99.2	80	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**1157.2**	**528.8**	**283**	**181.2**	**119.8**	**84.6**	**66.4**	**49.2**	**36.6**	**29.2**	**23.8**	**16.6**	**14.6**	**11.8**	**11.2**	**10.2**	**5.8**	**4.6**	**5**	**3.4**	**2.6**	**3**	**2.4**	**2.2**	**14.6**	**2667.8**

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Table 2.3-143—{NMPNS Monthly Atmospheric Stability Summary}

Stability Class	Frequency of Occurrence by Percent											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A	9.02	8.51	7.57	4.42	4.34	5.56	10.9	12.04	10.8	8.16	7.14	5.36
B	7.03	5.98	6.3	3.86	3.69	3.14	4.72	4.84	5.11	6.89	5.39	4.68
C	7.89	7.25	6.73	6.65	5.92	3.54	5.58	5.89	5.53	8.68	7.11	7.29
D	54.54	50.77	47.61	37.51	31.81	26.6	31.5	31.69	29.67	40.76	49.92	57.63
E	17.27	22.56	23.41	27.12	31.39	34.43	29.57	24.09	26.43	24.44	25.4	21.97
F	2.47	3.01	5.19	11.63	12.07	14.9	9.24	9.57	9.29	6.89	3.67	2.23
G	1.79	1.92	3.19	8.81	10.77	11.84	8.48	11.88	13.17	4.17	1.38	0.83
Stability Class	**Frequency of Occurrence by Number of Hours**											
	Jan	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
A	303	283	280	157	154	198	402	448	387	297	253	199
B	236	199	233	137	131	112	174	180	183	251	191	174
C	265	241	249	236	210	126	206	219	198	316	252	271
D	1832	1688	1761	1332	1128	948	1162	1179	1063	1484	1769	2141
E	580	750	866	963	1113	1227	1091	896	947	890	900	816
F	83	100	192	413	428	531	341	356	333	251	130	83
G	60	64	118	313	382	422	313	442	472	152	49	31

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Table 2.3-144—{Monthly and Annual Average Mixing Height Values (m)}

Month	Year									monthly average	annual average
	1999	2000	2001	2002	2003	2004	2005	2006	2007		
JAN	-	797	769	818	730	956	684	703	690	768	844
FEB	-	737	893	907	655	691	500	992	1191	821	
MAR	-	793	901	1055	749	926	835	969	830	882	
APR	803	837	850	990	618	851	803	740	1004	833	
MAY	915	933	1018	1013	815	873	1035	876	694	908	
JUN	950	888	831	774	815	794	1034	870	877	870	
JUL	954	999	925	852	1070	878	942	927	967	946	
AUG	947	843	1043	973	799	952	888	719	804	885	
SEP	736	722	926	711	915	607	698	857	821	777	
OCT	844	620	1185	791	955	582	725	949	733	820	
NOV	868	875	768	704	789	652	889	770	-	789	
DEC	804	804	1003	709	789	797	805	866	-	822	

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Table 2.3-145—{Monthly and Annual Average Mixing Height Values (ft)}

Month	Year									Monthly Average	Annual Average
	1999	2000	2001	2002	2003	2004	2005	2006	2007		
JAN	0	2615	2523	2683	2393	3136	2245	2307	2262	2520	2767
FEB	0	2418	2930	2974	2148	2265	1639	3253	3908	2692	
MAR	0	2601	2955	3460	2457	3037	2739	3177	2722	2894	
APR	2634	2744	2789	3246	2028	2791	2634	2427	3293	2732	
MAY	3001	3061	3338	3323	2673	2865	3394	2875	2278	2979	
JUN	3117	2913	2726	2538	2674	2604	3391	2852	2875	2855	
JUL	3130	3277	3036	2795	3511	2878	3090	3040	3171	3103	
AUG	3107	2764	3420	3190	2620	3124	2912	2359	2636	2904	
SEP	2414	2368	3039	2331	3001	1991	2291	2812	2693	2549	
OCT	2768	2032	3885	2595	3133	1908	2376	3111	2405	2691	
NOV	2848	2869	2520	2310	2587	2138	2914	2526	0	2589	
DEC	2637	2637	3291	2327	2587	2613	2639	2842	0	2696	

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Table 2.3-146—{Temperature Inversion Frequency and Persistence at NMPNS, Year 2001}

DURATION (HOURS)	NUMBER OF OBSERVATIONS	PERCENT PROBABILITY
1	92	21.85
2	65	37.29
3	53	49.88
4	25	55.82
5	20	60.57
6	17	64.61
7	10	66.98
8	12	69.83
9	9	71.97
10	14	75.30
11	20	80.05
12	25	85.99
13	19	90.50
14	12	93.35
15	10	95.72
16	6	97.15
17	4	98.10
18	0	98.10
19	3	98.81
20	0	98.81
21	0	98.81
22	0	98.81
23	1	99.05
24	1	99.29
25	0	99.29
26	0	99.29
27	1	99.52
28	0	99.52
29	0	99.52
30	0	99.52
31	1	99.76
32	0	99.76
33	0	99.76
34	0	99.76
35	0	99.76
36	0	99.76
37	0	99.76
38	0	99.76
39	0	99.76
40	0	99.76
41	0	99.76
42	0	99.76
43	0	99.76
44	0	99.76
45	0	99.76
46	1	100.00

THE LONGEST INVERSION LASTED 46 HOURS
OF THE LONGEST INVERSIONS
NUMBER 1 STARTED 10 HOURS INTO DAY 163
THIRD COLUMN DEFINES THE PERCENT PROBABILITY
THAT IF AN INVERSION OCCURS, ITS DURATION
WILL BE LESS THAN THE NUMBER OF HOURS SPECIFIED

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Table 2.3-147—{Temperature Inversion Frequency and Persistence at NMPNS, Year 2002}

DURATION (HOURS)	NUMBER OF OBSERVATIONS	PERCENT PROBABILITY
1	95	23.81
2	74	42.36
3	48	54.39
4	21	59.65
5	21	64.91
6	17	69.17
7	12	72.18
8	9	74.44
9	6	75.94
10	8	77.94
11	22	83.46
12	15	87.22
13	21	92.48
14	11	95.24
15	6	96.74
16	6	98.25
17	2	98.75
18	1	99.00
19	1	99.25
20	0	99.25
21	0	99.25
22	1	99.50
23	0	99.50
24	0	99.50
25	0	99.50
26	1	99.75
27	0	99.75
28	0	99.75
29	0	99.75
30	1	100.00

THE LONGEST INVERSION LASTED 30 HOURS
OF THE LONGEST INVERSIONS
NUMBER 1 STARTED 18 HOURS INTO DAY 161
THIRD COLUMN DEFINES THE PERCENT PROBABILITY
THAT IF AN INVERSION OCCURS, ITS DURATION
WILL BE LESS THAN THE NUMBER OF HOURS SPECIFIED

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Table 2.3-148—{Temperature Inversion Frequency and Persistence at NMPNS, Year 2003}

DURATION (HOURS)	NUMBER OF OBSERVATIONS	PERCENT PROBABILITY
1	116	26.24
2	52	38.01
3	52	49.77
4	29	56.33
5	25	61.99
6	17	65.84
7	16	69.46
8	10	71.72
9	16	75.34
10	11	77.83
11	16	81.45
12	12	84.16
13	22	89.14
14	13	92.08
15	13	95.02
16	7	96.61
17	6	97.96
18	1	98.19
19	4	99.10
20	3	99.77
21	0	99.77
22	1	100.00

THE LONGEST INVERSION LASTED 22 HOURS
OF THE LONGEST INVERSIONS
NUMBER 1 STARTED 10 HOURS INTO DAY 139
THIRD COLUMN DEFINES THE PERCENT PROBABILITY
THAT IF AN INVERSION OCCURS, ITS DURATION
WILL BE LESS THAN THE NUMBER OF HOURS SPECIFIED

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Table 2.3-149—{Temperature Inversion Frequency and Persistence at NMPNS, Year 2004}

DURATION (HOURS)	NUMBER OF OBSERVATIONS	PERCENT PROBABILITY
1	94	24.42
2	44	35.84
3	40	46.23
4	30	54.03
5	26	60.78
6	12	63.90
7	19	68.83
8	14	72.47
9	7	74.29
10	16	78.44
11	17	82.86
12	14	86.49
13	21	91.95
14	11	94.81
15	6	96.36
16	4	97.40
17	3	98.18
18	0	98.18
19	3	98.96
20	2	99.48
21	0	99.48
22	0	99.48
23	0	99.48
24	0	99.48
25	1	99.74
26	0	99.74
27	0	99.74
28	0	99.74
29	0	99.74
30	0	99.74
31	0	99.74
32	0	99.74
33	0	99.74
34	0	99.74
35	1	100.00

THE LONGEST INVERSION LASTED 35 HOURS
OF THE LONGEST INVERSIONS
NUMBER 1 STARTED 21 HOURS INTO DAY 106
THIRD COLUMN DEFINES THE PERCENT PROBABILITY
THAT IF AN INVERSION OCCURS, ITS DURATION
WILL BE LESS THAN THE NUMBER OF HOURS SPECIFIED

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Table 2.3-150—{Temperature Inversion Frequency and Persistence at NMPNS, Year 2005}

DURATION (HOURS)	NUMBER OF OBSERVATIONS	PERCENT PROBABILITY
1	81	19.71
2	67	36.01
3	49	47.93
4	27	54.50
5	21	59.61
6	15	63.26
7	13	66.42
8	14	69.83
9	13	72.99
10	11	75.67
11	15	79.32
12	19	83.94
13	21	89.05
14	12	91.97
15	11	94.65
16	5	95.86
17	1	96.11
18	4	97.08
19	4	98.05
20	0	98.05
21	2	98.54
22	1	98.78
23	0	98.78
24	1	99.03
25	0	99.03
26	0	99.03
27	0	99.03
28	1	99.27
29	1	99.51
30	0	99.51
31	0	99.51
32	0	99.51
33	0	99.51
34	0	99.51
35	0	99.51
36	0	99.51
37	1	99.76
38	0	99.76
39	0	99.76
40	0	99.76
41	0	99.76
42	0	99.76
43	0	99.76
44	1	100.00

THE LONGEST INVERSION LASTED 44 HOURS
OF THE LONGEST INVERSIONS
NUMBER 1 STARTED 19 HOURS INTO DAY 95
THIRD COLUMN DEFINES THE PERCENT PROBABILITY
THAT IF AN INVERSION OCCURS, ITS DURATION
WILL BE LESS THAN THE NUMBER OF HOURS SPECIFIED

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Table 2.3-151—{National Ambient Air Quality}

Pollutant	Primary Standards		Secondary Standards	
	Level	Averaging Time	Level	Averaging Time
Carbon Monoxide	9 ppm (10 mg/m^3)	8-hour[1]	None	
	35 ppm (40 mg/m^3)	1-hour[1]		
Lead	1.5 µg/m^3	Quarterly Average	Same as Primary	
Nitrogen Dioxide	0.053 ppm (100 µg/m^3)	Annual (Arithmetic Mean)	Same as Primary	
Particulate Matter (PM_{10})	150 µg/m^3	24-hour[2]	Same as Primary	
Particulate Matter ($PM_{2.5}$)	15.0 µg/m^3	Annual[3] (Arithmetic Mean)	Same as Primary	
	35 µg/m^3	24-hour[4]	Same as Primary	
Ozone	0.075 ppm (2008 std)	8-hour[5]	Same as Primary	
	0.08 ppm (1997 std)	8-hour[6]	Same as Primary	
	0.12 ppm	1-hour[7] (Applies only in limited areas)	Same as Primary	
Sulfur Dioxide	0.03 ppm	Annual (Arithmetic Mean)	0.5 ppm (1300 µg/m^3)	3-hour[1]
	0.14 ppm	24-hour[1]		

Notes:

(1) Not to be exceeded more than once per year.

(2) Not to be exceeded more than once per year on average over 3 years.

(3) To attain this standard, the 3-year average of the weighted annual mean $PM_{2.5}$ concentrations from single or multiple community-oriented monitors must not exceed 15.0 µg/m^3.

(4) To attain this standard, the 3-year average of the 98th percentile of 24-hour concentrations at each population-oriented monitor within an area must not exceed 35 µg/m^3 (effective December 17, 2006).

(5) To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.075 ppm. (effective May 27, 2008)

(6) (a) To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.08 ppm.

(b) The 1997 standard—and the implementation rules for that standard—will remain in place for implementation purposes as EPA undertakes rulemaking to address the transition from the 1997 ozone standard to the 2008 ozone standard.

(7) (a) The standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above 0.12 ppm is $\leq$ 1.

(b) As of June 15, 2005 EPA revoked the 1-hour ozone standard in all areas except the 8-hour ozone nonattainment Early Action Compact (EAC) Areas.

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Table 2.3-152—{Existing Primary Meteorological Tower Instrument Types, Specifications and Accuracies for Pre-Operational and Operational Programs}
(Page 1 of 2)

Characteristics	Requirements*	Specifications
Wind Speed Sensor		
Make		Teledyne Geotech/Met One Instruments
Model		Sensor - 50.1B Cups - 52.1 Processor - 40.12c, 21.11 & 21.110
Starting Threshold	< 1 mph (0.45 m/s)	0.27 m/s
Range		0 - 100 mph
Accuracy	±0.45 mph (±0.2 m/s) or 5% of observed wind speed	Analog - ±0.23 m/s[1] Digital - ±0.08 m/s
Wind Direction Sensor		
Make		Teledyne Geotech/Met One Instruments
Model		Sensor - 50.2C/50.2D Vane - 53.2 Processor - 21.21, 21.210 & 21.211
Starting Threshold	< 1 mph (0.45 m/s)	0.3 m/s
Range		0 - 360/540 degrees
Accuracy	±5 degrees	Analog - ±3.06 degrees Digital - ±2.09 degrees
Temperature Sensors		
Make		Teledyne Geotech/Met One Instruments
Model		Sensor - Platinum RTD Processor - 21.32 & 21.320 Aspirated Thermal Radiation Shield 327
Range		Ambient: -40°C to +43°C Temperature Difference: -4°C to +11°C
Accuracy (ambient)	±0.5°C (±0.9°F)	Analog - ±0.22°C Digital - ±0.08°C
Accuracy (vertical temperature difference)	±0.1°C (±0.18°F)	Analog - ±0.08°C Digital - ±0.07°C
Precipitation Sensor		
Make		Belfort Instrument Company
Model		Tipping Bucket
Accuracy	±10% for a volume equivalent to 2.54 mm (0.1 in.) of precipitation at a rate < 50 mm/h (< 2 in./h)	Analog - ±0.2910 mm Digital - ±0.2843 mm
Dew Point Sensor		
Make		General Eastern
Model		1200EPS or E1
Range		-40°C to +43°C
Accuracy	±1.5°C (±2.7°F)	Analog - ±0.30°C Digital - ±0.22°C

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Table 2.3-152—{Existing Primary Meteorological Tower Instrument Types, Specifications and Accuracies for Pre-Operational and Operational Programs}
(Page 2 of 2)

Characteristics	Requirements*	Specifications
Barometric Pressure		
Make		Sensor - Yellow Springs Instrument Company Processor - Teledyne Geotech
Model		Sensor - 2014-28/32-HA-3WH Processor - 40.61 & 21.61
Range		948 to 1084 mb
Accuracy	None Specified	Analog - ±0.546 mb Digital - ±0.433 mb

Notes:

* Accuracy requirements from Regulatory Guide 1.23, Revision 1, March 2007.

1 The analog wind speed system does not meet the accuracy requirement of Regulatory Guide 1.23, Revision 1; however, the digital system does meet the accuracy requirement. NMPNS plans to replace the analog strip chart recorders with digital recorders that will meet the accuracy requirement of Regulatory Guide 1.23, Revision 1.

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Table 2.3-153—{Backup Meteorological Tower Instrument Types, Specifications and Accuracies for Pre-Operational and Operational Programs}

Characteristics	Characteristics	Characteristics
Wind Speed Sensor		
Make		Teledyne Geotech/Met One Instruments
Model		Sensor - 50.1B Cups - 52.1 Processor - 40.12c, 21.11 & 21.110
Starting Threshold	< 1 mph (0.45 m/s)	0.27 m/s
Range		0 - 100 mph
Accuracy	±0.45 mph (±0.2 m/s) or 5% of observed wind speed	Analog - ±0.23 m/s[1] Digital - ±0.08 m/s
Wind Direction Sensor		
Make		Teledyne Geotech/Met One Instruments
Model		Sensor - 50.2C/50.2D Vane - 53.2 Processor - 21.21, 21.210 & 21.211
Starting Threshold	< 1 mph (0.45 m/s)	0.3 m/s
Range		0 - 360/540 degrees
Accuracy	±5 degrees	Analog - ±3.06 degrees Digital - ±2.09 degrees

Notes:

* Accuracy requirements from Regulatory Guide 1.23, Revision 1, March 2007.

1 The analog wind speed system does not meet the accuracy requirement of Regulatory Guide 1.23, Revision 1; however, the digital system does meet the accuracy requirement.

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Table 2.3-154—{Distances from Met Tower to Nearby Obstructions to Air Flow}

Downwind Sector*	Approximate Distance Miles (Meters)	Obstruction Height[1] Feet (Meters)
N	0.3 (483)	270 (82)
NNE	0.4 (644)	270 (82)
NE	0.5 (805)	260 (79)
ENE	0.5 (805)	260 (79)
E	0.4 (644)	290 (88)
ESE	0.2 (322)	290 (88)
SE	0.2 (322)	300 (91)
SSE	0.3 (483)	270 (82)
S	0.2 (322)	270 (82)
SSW	0.3 (483)	270 (82)
SW	0.2 (322)	270 (82)
WSW	0.5 (805)	270 (82)
W	0.5 (805)	270 (82)
WNW	0.5 (805)	260 (79)
NW	0.5 (805)	260 (79)
NNW	0.5 (805)	260 (79)

Notes:

*With respect to True North
[1]Plant and tower grade are 260 feet (79 meters)

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Table 2.3-155—{Distances from the New Meteorological Tower to Nearby Obstructions to Air Flow}

Downwind Sector*	Approximate Distance Miles (Meters)	Obstruction Height [1] Feet (Meters)
N	0.5 (805)	---
NNE	0.5 (805)	---
NE	0.5 (805)	310 (94)
ENE	0.5 (805)	313 (95)
E	0.5 (805)	314 (96)
ESE	0.5 (805)	315 (96)
SE	0.5 (805)	317 (97)
SSE	0.5 (805)	323 (98)
S	0.5 (805)	330 (101)
SSW	0.5 (805)	329 (100)
SW	0.5 (805)	321 (98)
WSW	0.5 (805)	307 (94)
W	0.5 (805)	---
WNW	0.5 (805)	---
NW	0.5 (805)	---
NNW	0.5 (805)	---

Notes:

* With respect to True North
1 New tower grade are 306 feet (93 meters)
-- indicates that all terrain lower than tower grade

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Table 2.3-156—{AEOLUS3 and ARCON96 Input}

Parameter	Value(s)
Wind speed group upper limits for AEOLUS3	0.268, 0.75, 1.0, 1.5, 2.0, 3.0, 5.0, 7.0, 10.0, 13.0, 18.0, 50.0 meters/second
AEOLUS3 wind speed assigned to calms	0.3 miles per hour
Anemometer starting speed for the AEOLUS3 runs	0.6 miles per hour
Temperature sensor separation for NMPNS	195 ft -27 ft or 51.21 meters
Wind instrument heights	30 ft (9 m, defaulting to 10 m in AEOLUS3), 100 ft , and 200 ft
The annual average mixing layer height at NMPNS	900 meters
NMPNS meteorological channel units of measure	Wind speed miles per hour Wind direction degrees from True North Delta-Temperature degrees Fahrenheit per sensor separation in feet
Minimum wind speed value for ARCON96	0.5 m/sec
Surface roughness for ARCON96	0.2
Sector averaging constant for ARCON96	4.3
Wind direction window for ARCON96	90 degrees
Control Room air intake location employed in analysis (for all release points shown in Figure 4-1)	Intake closest to stack.
Control Room air intake elevation	32.1 meters (Mid-point of intake)
Control Room air intake horizontal distance to stack base	69.0 meters (scaled)
Control Room air intake horizontal distance to Main Steam Relief Train, via Silencer (referred to as the Silencer release point in the present application): SG-4 Silencer to MCR Div. 3 Air Intake (AI) SG-3 Silencer to MCR Div. 3 AI SG-1 Silencer to MCR Div. 3 AI SG-2 Silencer to MCR Div. 3 AI	 53.0 meters 46.0 meters 78.0 meters 71.0 meters
Control Room air intake horizontal distances to Canopy exhausts (referred to as the Canopy release point in the present application) 1) Near depressurization shaft (Safeguard Building Div. 4) 2) Southeast side of SAB Div. 4	 30.1 meters (scaled) 65.3 meters (scaled)
Control Room air intake horizontal distance to Material Lock (for the Equipment Hatch release)	97.5 meters (scaled)
Control Room air intake horizontal distance to the depressurization shaft of Safeguard Building Div. 4 (referred to as the depressurization shaft release point in the present application)	31.4 meters (scaled)
Release heights used in ARCON96	Silencer - 33.9 meters Stack - 32.1 meters Canopy Pt. 1 - 15.5 meters Canopy Pt. 2 - 11.5 meters elevation Material Lock (for Equipment Hatch release) - 23.2 meters (release height employed in analysis = 32.1 meters, conservative) Depressurization Shaft - 7 meters

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Table 2.3-157—{LPZ Accident χ/Q Values for Ground Level Release Using NMPNS 2001-2007 Meteorological Data}

Distance Downwind (miles)	0-2 hour χ/Q (sec/m^3)	2-8 hour χ/Q (sec/m^3)	8-24 hour χ/Q (sec/m^3)	1-4 days χ/Q (sec/m^3)	4-30 days χ/Q (sec/m^3)
0.25	1.128E-03	7.023E-04	4.599E-04	2.403E-04	9.462E-05
0.379	5.492E-04	3.408E-04	2.225E-04	1.158E-04	4.531E-05
0.40	5.013E-04	3.108E-04	2.029E-04	1.054E-04	4.121E-05
0.43	4.424E-04	2.742E-04	1.789E-04	9.294E-05	3.630E-05
0.5	3.428E-04	2.121E-04	1.382E-04	7.161E-05	2.787E-05
0.53	3.281E-04	2.019E-04	1.309E-04	6.731E-05	2.591E-05
0.75	2.262E-04	1.345E-04	8.450E-05	4.145E-05	1.491E-05
1.0	1.840E-04	1.055E-04	6.422E-05	2.999E-05	1.005E-05
1.5 (LPZ)	1.289E-04	7.120E-05	4.191E-05	1.860E-05	5.790E-06
2.0	9.711E-05	5.258E-05	3.040E-05	1.313E-05	3.929E-06
2.5	7.864E-05	4.193E-05	2.391E-05	1.011E-05	2.935E-06
3.0	7.163E-05	3.734E-05	2.088E-05	8.557E-06	2.378E-06
4.0	6.000E-05	3.034E-05	1.651E-05	6.490E-06	1.699E-06
5.0	4.991E-05	2.482E-05	1.330E-05	5.112E-06	1.295E-06

Note that the LPZ value in this table are bounded by the values presented in Table 2.1-1 in AREVA NP Document Number 124-9057635-000, "U.S. EPR Final Safety Analysis Report."

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Table 2.3-158—{LPZ 50th Percentile Accident Atmospheric Dispersion Factors (sec/m³)}

Time Period	0-2 hrs	2-8 hrs	8-24 hrs	1-4 days	4-30 days	Annual Average
LPZ (1.5 miles)	1.310E-05	9.763E-06	7.510E-06	5.022E-06	2.818E-06	1.390E-06

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Table 2.3-159—{EAB Accident Sector χ/Q Values for Ground Level Release}

Downwind Sector	Analytical Distance Downwind (miles)	0-2 hour χ/Q (sec/m³)
N	6.100E+02	3.769E-04
NNE	6.100E+02	2.408E-04
NE	6.100E+02	2.324E-04
ENE	6.100E+02	2.526E-04
E	6.100E+02	1.921E-04
ESE	6.100E+02	1.595E-04
SE	6.100E+02	1.392E-04
SSE	6.100E+02	1.322E-04
S	6.100E+02	1.493E-04
SSW	5.588E+02	2.299E-04
SW	3.598E+02	5.161E-04
WSW	2.860E+02	7.859E-04
W	2.860E+02	9.209E-04
WNW	3.415E+02	9.713E-04
NW	6.100E+02	5.492E-04
NNW	6.100E+02	4.862E-04
All Sectors Combined		**5.154E-04**

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Table 2.3-160—{EAB 5th Percentile Accident χ/Q (sec/m^3)}

Time Period	0 – 2 hrs (sec/m^3)
EAB (0.42 mi, symmetric portion)	5.492E-04
EAB (asymmetric portion	9.713E-04

Note that the EAB value in this table is bounded by the values presented in Table 2.1-1 in AREVA NP Document Number 124-9057635-000, "U.S. EPR Final Safety Analysis Report."

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Table 2.3-161—{EAB 50th Percentile Accident χ/Q (sec/m^3)}

Time Period	0 – 2 hrs (sec/m^3)
EAB (0.42 mi, symmetric portion)	8.513E-05
EAB (asymmetric portion	9.309E-05

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Table 2.3-162—{Control Room/TSC χ/Q Values for Stack Release Using NMPNS 2001-2007 Meteorological Data}

(No credit taken for stack release height)

Stack Release	Wind Direction = 0 (N)	Wind Direction = 23 (NNE)	Wind Direction = 45 (NE)	Wind Direction = 68 (ENE)	Wind Direction = 90 (E)	Wind Direction = 113 (ESE)	Wind Direction = 135 (SE)	Wind Direction = 158 (SSE)
Time Period	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)
0 to 2 hours	1.32E-03	1.32E-03	1.31E-03	1.34E-03	1.45E-03	1.76E-03	1.88E-03	1.90E-03
2 to 8 hours	8.13E-04	9.12E-04	9.15E-04	9.70E-04	1.21E-03	1.40E-03	1.64E-03	1.71E-03
8 to 24 hours	2.87E-04	3.25E-04	3.18E-04	3.38E-04	4.54E-04	5.80E-04	6.39E-04	6.60E-04
1 to 4 days	2.03E-04	2.08E-04	2.05E-04	2.14E-04	2.81E-04	3.86E-04	4.72E-04	5.01E-04
4 to 30 days	1.67E-04	1.77E-04	1.63E-04	1.68E-04	2.26E-04	2.95E-04	4.01E-04	4.53E-04

Stack Release	Wind Direction = 180 (S)	Wind Direction = 203 (SSW)	Wind Direction = 225 (SW)	Wind Direction = 248 (WSW)	Wind Direction = 270 (W)	Wind Direction = 293 (WNW)	Wind Direction = 315 (NW)	Wind Direction = 338 (NNW)
Time Period	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)
0 to 2 hours	1.89E-03	1.84E-03	1.75E-03	1.63E-03	1.59E-03	1.41E-03	1.29E-03	1.27E-03
2 to 8 hours	1.65E-03	1.51E-03	1.40E-03	1.25E-03	1.21E-03	1.01E-03	7.84E-04	7.13E-04
8 to 24 hours	6.16E-04	5.99E-04	5.93E-04	5.14E-04	4.83E-04	3.59E-04	2.67E-04	2.42E-04
1 to 4 days	4.69E-04	4.37E-04	3.97E-04	3.54E-04	3.59E-04	2.75E-04	2.04E-04	1.83E-04
4 to 30 days	4.01E-04	3.49E-04	3.44E-04	3.08E-04	3.04E-04	2.50E-04	1.62E-04	1.49E-04

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Table 2.3-163—{Control Room/TSC χ/Q Values for Silencer Release Using NMPNS 2001-2007 Meteorological Data}

Silencer Release	SG-4 to Div. 3 Air Intake Wind Direction = 158 (SSE)	SG-1 to Div. 3 Air Intake Wind Direction = 158 (SSE)	SG-3 to Div. 3 Air Intake Wind Direction = 158 (SSE)	SG-2 to Div. 3 Air Intake Wind Direction = 158 (SSE)
Time Period	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)	χ/Q (sec/m^3)
0 to 2 hours	3.21E-03	1.54E-03	4.20E-03	1.84E-03
2 to 8 hours	2.82E-03	1.36E-03	3.70E-03	1.63E-03
8 to 24 hours	1.10E-03	5.33E-04	1.43E-03	6.34E-04
1 to 4 days	8.44E-04	4.06E-04	1.11E-03	4.85E-04
4 to 30 days	7.62E-04	3.67E-04	9.97E-04	4.38E-04

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Table 2.3-164—{Control Room/TSC χ/Q Values for Canopy Release Using NMPNS 2001-2007 Meteorological Data}

Canopy Release	Pt. 1 Wind Direction = 158 (SSE)	Pt. 2 Wind Direction = 158 (SSE)
Time Period	χ/Q (sec/m^3)	χ/Q (sec/m^3)
0 to 2 hours	6.48E-03	1.65E-03
2 to 8 hours	5.62E-03	1.46E-03
8 to 24 hours	2.31E-03	6.21E-04
1 to 4 days	1.62E-03	4.20E-04
4 to 30 days	1.45E-03	3.70E-04

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Table 2.3-165—{Control Room/TSC χ/Q Values for Equipment Hatch Release Using NMPNS 2001-2007 Meteorological Data}

Equip. Hatch Release	Wind Direction = 158 (SSE)
Time Period	χ/Q (sec/m^3)
0 to 2 hours	9.97E-04
2 to 8 hours	8.86E-04
8 to 24 hours	3.46E-04
1 to 4 days	2.61E-04
4 to 30 days	2.37E-04

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Table 2.3-166—{Control Room/TSC χ/Q Values for Depressurization Shaft Release Using NMPNS 2001-2007 Meteorological Data}

Shaft Release	Wind Direction = 158 (SSE)
Time Period	χ/Q (sec/m^3)
0 to 2 hours	4.42E-03
2 to 8 hours	3.91E-03
8 to 24 hours	1.69E-03
1 to 4 days	1.12E-03
4 to 30 days	9.78E-04

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Table 2.3-167—{AEOLUS3 Input}

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Parameter	Value(s)	
Wind speed group upper limits for AEOLUS3	0.268, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0,5.0, 6.0, 8.0,10.0,50.0 meters/second	
AEOLUS3 wind speed assigned to calms	0.3 miles per hour	
Anemometer starting speed	0.6 miles per hour	
The annual average mixing layer height at NMPNS	900 meters	
Temperature sensor separation for NMPNS	195 ft -27 ft or 51.21 meters	
Wind instrument heights for NMPNS	30 ft (9 m, defaulting to 10 m in AEOLUS3), 100 ft , and 200 ft	
NMPNS meteorological channel units of measure	Wind speed miles per hour Wind direction degrees from True North Delta-Temperature degrees Fahrenheit per sensor separation in feet	
Order of data channels in met data	Wind speed (30 ft, 100 ft, 200 ft), wind direction (30 ft, 100 ft, 200 ft), sigma theta and sigma theta stability (30 ft, 100 ft, 200 ft), temperature, dew point temperature, delta temperature and delta temperature stability (100?-30 ft, 200 ft-30 ft), barometric pressure, precipitation	
Stack flow rate for normal operations	242,458 cfm This is a conservative value; the actual flow rate for normal operations will be higher.	
Stack inner diameter	3.8 meters	
Stack height	62 meters (2 meters above assumed Reactor Building)	
Reactor Building height and cross sectional area	60 meters (used for cross sectional area for building wake - smaller height gives a lower credit for building wake; actual = 62.3 meter) 2940 m^2 (60m X 49m)	
Site grade	260 feet	
Site Boundary Receptors	Sector	Distance (m)
	N	502.0
	NNE	667.0
	NE	814.0
	ENE	1290.9
	E	1323.2
	ESE	1323.2
	SE	1470.2
	SSE	1054.2
	S	749.4
	SSW	649.0
	SW	430.3
	WSW	358.6
	W	358.6
	WNW	419.5
	NW	376.5
	NNW	380.1

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Table 2.3-167—{AEOLUS3 Input}
(Page 2 of 12)

Parameter	Value(s)	
Maximum Terrain Heights Values in meters above plant grade. Site Boundary	Values in meters above plant grade.	
	N	502.0
	NNE	667.0
	NE	814.0
	ENE	1291.0
	E	1323.0
	ESE	1323.0
	SE	1470.0
	SSE	1054.0
	S	749.4
	SSW	649.0
	SW	430.0
	WSW	358.6
	W	358.6
	WNW	419.5
	NW	376.5
	NNW	380.1
0.5 miles	Values in meters above plant grade.	
	N	3.0
	NNE	3.0
	NE	0.0
	ENE	0.0
	E	6.1
	ESE	9.1
	SE	12.2
	SSE	12.2
	S	3.0
	SSW	6.1
	SW	3.0
	WSW	9.1
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0

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Table 2.3-167—{AEOLUS3 Input}
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Parameter	Value(s)	
0.75 miles	Values in meters above plant grade.	
	N	3.0
	NNE	3.0
	NE	0.0
	ENE	0.0
	E	12.2
	ESE	12.2
	SE	18.3
	SSE	18.3
	S	18.3
	SSW	15.2
	SW	9.1
	WSW	9.1
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0
1.0 mile	Values in meters above plant grade.	
	N	3.0
	NNE	3.0
	NE	0.0
	ENE	0.0
	E	12.2
	ESE	12.2
	SE	18.3
	SSE	18.3
	S	18.3
	SSW	15.2
	SW	9.1
	WSW	9.1
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0

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Table 2.3-167—{AEOLUS3 Input}
(Page 4 of 12)

Parameter	Value(s)	
1.5 miles	Values in meters above plant grade.	
	N	3.0
	NNE	3.0
	NE	0.0
	ENE	6.1
	E	15.2
	ESE	24.4
	SE	48.8
	SSE	50.0
	S	50.0
	SSW	36.6
	SW	18.3
	WSW	15.2
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0
2.0 miles	Values in meters above plant grade.	
	N	3.0
	NNE	3.0
	NE	0.0
	ENE	6.1
	E	15.2
	ESE	24.4
	SE	48.8
	SSE	50.0
	S	50.0
	SSW	36.6
	SW	18.3
	WSW	15.2
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0

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Table 2.3-167—{AEOLUS3 Input}
(Page 5 of 12)

Parameter	Value(s)	
2.5 miles	Values in meters above plant grade.	
	N	3.0
	NNE	3.0
	NE	0.0
	ENE	12.2
	E	24.4
	ESE	61.0
	SE	64.0
	SSE	64.0
	S	64.0
	SSW	57.9
	SW	33.5
	WSW	15.2
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0
3.0 miles	Values in meters above plant grade.	
	N	3.0
	NNE	3.0
	NE	0.0
	ENE	12.2
	E	24.4
	ESE	62.5
	SE	71.3
	SSE	76.2
	S	76.2
	SSW	61.0
	SW	45.7
	WSW	15.2
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0

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Table 2.3-167—{AEOLUS3 Input}
(Page 6 of 12)

Parameter	Value(s)	
3.5 miles	Values in meters above plant grade.	
	N	3.0
	NNE	3.0
	NE	0.0
	ENE	12.2
	E	24.4
	ESE	62.5
	SE	71.3
	SSE	76.2
	S	76.2
	SSW	61.0
	SW	45.7
	WSW	15.2
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0
4.0 miles	Values in meters above plant grade.	
	N	3.0
	NNE	3.0
	NE	0.0
	ENE	12.2
	E	24.4
	ESE	62.5
	SE	71.3
	SSE	76.2
	S	76.2
	SSW	61.0
	SW	45.7
	WSW	15.2
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0

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Table 2.3-167—{AEOLUS3 Input}
(Page 7 of 12)

Parameter	Value(s)	
4.5 miles	Values in meters above plant grade.	
	N	3.0
	NNE	3.0
	NE	0.0
	ENE	12.2
	E	24.4
	ESE	62.5
	SE	73.2
	SSE	76.2
	S	76.2
	SSW	61.0
	SW	51.8
	WSW	18.3
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0
5.0 miles	Values in meters above plant grade.	
	N	3.0
	NNE	3.0
	NE	0.0
	ENE	12.2
	E	24.4
	ESE	62.5
	SE	73.2
	SSE	76.2
	S	76.2
	SSW	61.0
	SW	51.8
	WSW	18.3
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0

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Table 2.3-167—{AEOLUS3 Input}
(Page 8 of 12)

Parameter	Value(s)	
7.5 miles	Values in meters above plant grade.	
	N	3.0
	NNE	3.0
	NE	0.0
	ENE	12.2
	E	48.8
	ESE	65.8
	SE	79.2
	SSE	85.3
	S	85.3
	SSW	61.0
	SW	51.8
	WSW	48.8
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0
10 miles	Values in meters above plant grade.	
	N	3.0
	NNE	3.0
	NE	0.0
	ENE	12.2
	E	48.8
	ESE	65.8
	SE	79.2
	SSE	85.3
	S	85.3
	SSW	61.0
	SW	51.8
	WSW	48.8
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0

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Table 2.3-167—{AEOLUS3 Input}
(Page 9 of 12)

Parameter	Value(s)	
15 miles	Values in meters above plant grade.	
	N	3.0
	NNE	30.8
	NE	70.8
	ENE	130.8
	E	130.8
	ESE	102.8
	SE	79.2
	SSE	85.3
	S	85.3
	SSW	61.8
	SW	51.8
	WSW	48.8
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0
20 miles	Values in meters above plant grade.	
	N	3.0
	NNE	30.8
	NE	70.8
	ENE	130.8
	E	130.8
	ESE	102.8
	SE	79.2
	SSE	85.3
	S	85.3
	SSW	61.8
	SW	51.8
	WSW	48.8
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0

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Table 2.3-167—{AEOLUS3 Input}
(Page 10 of 12)

Parameter	Value(s)	
25 miles	Values in meters above plant grade.	
	N	20.8
	NNE	130.8
	NE	365.8
	ENE	370.8
	E	370.8
	ESE	230.8
	SE	130.8
	SSE	120.8
	S	120.8
	SSW	76.8
	SW	90.8
	WSW	48.8
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0
30 miles	Values in meters above plant grade.	
	N	20.8
	NNE	130.8
	NE	365.8
	ENE	370.8
	E	370.8
	ESE	230.8
	SE	130.8
	SSE	120.8
	S	120.8
	SSW	76.8
	SW	90.8
	WSW	48.8
	W	9.1
	WNW	0.0
	NW	0.0
	NNW	3.0

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Table 2.3-167—{AEOLUS3 Input}
(Page 11 of 12)

Parameter	Value(s)	
35 miles	Values in meters above plant grade.	
	N	20.8
	NNE	202.8
	NE	420.8
	ENE	470.8
	E	470.8
	ESE	370.8
	SE	138.8
	SSE	290.8
	S	290.8
	SSW	230.8
	SW	90.8
	WSW	82.8
	W	20.8
	WNW	0.0
	NW	0.0
	NNW	3.0
40 miles	Values in meters above plant grade.	
	N	20.8
	NNE	202.8
	NE	420.8
	ENE	470.8
	E	470.8
	ESE	370.8
	SE	138.8
	SSE	290.8
	S	290.8
	SSW	230.8
	SW	90.8
	WSW	82.8
	W	20.8
	WNW	0.0
	NW	0.0
	NNW	3.0

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Table 2.3-167—{AEOLUS3 Input}
(Page 12 of 12)

Parameter	Value(s)	
45 miles	Values in meters above plant grade.	
	N	50.8
	NNE	220.8
	NE	449.8
	ENE	532.8
	E	532.8
	ESE	458.8
	SE	420.8
	SSE	490.8
	S	490.8
	SSW	398.8
	SW	100.8
	WSW	100.8
	W	40.8
	WNW	0.0
	NW	0.0
	NNW	3.0
50 miles	Values in meters above plant grade.	
	N	50.8
	NNE	220.8
	NE	449.8
	ENE	532.8
	E	532.8
	ESE	458.8
	SE	420.8
	SSE	490.8
	S	490.8
	SSW	398.8
	SW	100.8
	WSW	100.8
	W	40.8
	WNW	0.0
	NW	0.0
	NNW	3.0

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Table 2.3-168—{Normal Effluent Annual Average, Undecayed, Undepleted χ/Q Values for Mixed Mode Release Using 242,458 cfm Flow Rate for Grid Receptors}

(Page 1 of 2)

DOWNWIND SECTOR	χ/Q (sec/m³) 0.5	χ/Q (sec/m³) 0.75	χ/Q (sec/m³) 1	χ/Q (sec/m³) 1.5	χ/Q (sec/m³) 2	χ/Q (sec/m³) 2.5	χ/Q (sec/m³) 3	χ/Q (sec/m³) 3.5	χ/Q (sec/m³) 4	χ/Q (sec/m³) 4.5	χ/Q (sec/m³) 5
N	3.974E-06	2.211E-06	1.193E-06	5.030E-07	2.858E-07	1.876E-07	1.379E-07	1.064E-07	8.522E-08	7.106E-08	6.041E-08
NNE	1.487E-06	8.633E-07	4.829E-07	2.147E-07	1.256E-07	8.378E-08	6.223E-08	4.835E-08	3.892E-08	3.255E-08	2.773E-08
nE	1.464E-06	8.530E-07	4.680E-07	2.022E-07	1.164E-07	7.683E-08	5.664E-08	4.376E-08	3.506E-08	2.921E-08	2.479E-08
ENE	3.248E-06	1.826E-06	9.850E-07	4.263E-07	2.404E-07	1.611E-07	1.171E-07	8.945E-08	7.102E-08	5.874E-08	4.956E-08
E	2.640E-06	1.495E-06	7.963E-07	3.286E-07	1.803E-07	1.197E-07	8.566E-08	6.464E-08	5.084E-08	4.172E-08	3.498E-08
ESE	1.665E-06	9.263E-07	4.930E-07	2.165E-07	1.193E-07	9.479E-08	6.677E-08	5.014E-08	3.905E-08	3.179E-08	2.648E-08
SE	1.168E-06	6.622E-07	3.588E-07	1.933E-07	1.048E-07	7.286E-08	5.128E-08	3.932E-08	3.059E-08	2.500E-08	2.081E-08
SSE	7.148E-07	4.202E-07	2.371E-07	1.507E-07	8.324E-08	5.944E-08	4.202E-08	3.306E-08	2.571E-08	2.092E-08	1.742E-08
S	8.465E-07	5.165E-07	2.918E-07	1.822E-07	1.002E-07	7.071E-08	4.994E-08	3.899E-08	3.032E-08	2.467E-08	2.054E-08
SSW	8.841E-07	5.711E-07	3.357E-07	2.003E-07	1.131E-07	8.710E-08	6.159E-08	4.685E-08	3.650E-08	2.972E-08	2.475E-08
SW	8.856E-07	5.620E-07	3.369E-07	1.854E-07	1.118E-07	8.808E-08	6.436E-08	5.431E-08	4.277E-08	3.650E-08	3.051E-08
WSW	4.247E-07	2.614E-07	1.618E-07	9.641E-08	6.278E-08	4.454E-08	3.437E-08	2.740E-08	2.244E-08	1.959E-08	1.682E-08
W	6.899E-07	4.033E-07	2.390E-07	1.203E-07	7.681E-08	5.436E-08	4.206E-08	3.368E-08	2.774E-08	2.363E-08	2.043E-08
WNW	1.925E-06	1.080E-06	5.972E-07	2.672E-07	1.592E-07	1.081E-07	8.140E-08	6.397E-08	5.198E-08	4.383E-08	3.760E-08
NW	4.094E-06	2.261E-06	1.214E-06	5.134E-07	2.946E-07	1.952E-07	1.445E-07	1.121E-07	9.025E-08	7.556E-08	6.446E-08
NNW	3.943E-06	2.150E-06	1.146E-06	4.783E-07	2.723E-07	1.797E-07	1.328E-07	1.030E-07	8.286E-08	6.940E-08	5.924E-08

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Table 2.3-168—{Normal Effluent Annual Average, Undecayed, Undepleted χ/Q Values for Mixed Mode Release Using 242,458 cfm Flow Rate for Grid Receptors}

(Page 2 of 2)

DOWNWIND SECTOR	χ/Q (sec/m³) 7.5	χ/Q (sec/m³) 10	χ/Q (sec/m³) 15	χ/Q (sec/m³) 20	χ/Q (sec/m³) 25	χ/Q (sec/m³) 30	χ/Q (sec/m³) 35	χ/Q (sec/m³) 40	χ/Q (sec/m³) 45	χ/Q (sec/m³) 50
N	3.237E-08	2.258E-08	1.359E-08	9.482E-09	7.802E-09	6.208E-09	5.119E-09	4.333E-09	4.271E-09	3.735E-09
NNE	1.488E-08	1.035E-08	6.966E-09	4.766E-09	3.551E-09	2.793E-09	2.068E-09	1.741E-09	1.587E-09	1.384E-09
NE	1.313E-08	9.044E-09	6.422E-09	4.298E-09	3.137E-09	2.439E-09	1.816E-09	1.518E-09	1.370E-09	1.188E-09
ENE	2.577E-08	1.760E-08	1.077E-08	7.326E-09	5.782E-09	4.517E-09	3.669E-09	3.067E-09	2.502E-09	2.177E-09
E	1.933E-08	1.295E-08	7.075E-09	4.802E-09	3.823E-09	2.985E-09	2.424E-09	2.025E-09	1.637E-09	1.425E-09
ESE	1.332E-08	8.883E-09	4.304E-09	2.952E-09	2.358E-09	1.854E-09	1.624E-09	1.360E-09	1.149E-09	1.001E-09
SE	1.046E-08	6.995E-09	4.026E-09	2.740E-09	1.880E-09	1.488E-09	1.244E-09	1.049E-09	8.713E-10	7.634E-10
SSE	8.757E-09	5.857E-09	3.365E-09	2.286E-09	1.487E-09	1.179E-09	1.092E-09	9.172E-10	7.873E-10	6.872E-10
s	1.031E-08	6.893E-09	3.955E-09	2.683E-09	1.767E-09	1.399E-09	1.277E-09	1.072E-09	9.195E-10	8.020E-10
sSW	1.231E-08	8.200E-09	4.669E-09	3.139E-09	2.353E-09	1.833E-09	1.367E-09	1.145E-09	1.060E-09	9.198E-10
sW	1.534E-08	1.025E-08	5.824E-09	3.909E-09	2.997E-09	2.324E-09	1.877E-09	1.561E-09	1.126E-09	9.789E-10
WSW	1.132E-08	7.670E-09	4.422E-09	2.991E-09	2.209E-09	1.725E-09	1.486E-09	1.237E-09	8.476E-10	7.390E-10
w	1.148E-08	8.188E-09	5.019E-09	3.526E-09	2.676E-09	2.133E-09	1.880E-09	1.588E-09	1.516E-09	1.324E-09
WNW	2.072E-08	1.467E-08	8.976E-09	6.323E-09	4.817E-09	3.857E-09	3.196E-09	2.717E-09	2.354E-09	2.071E-09
NW	3.503E-08	2.470E-08	1.512E-08	1.070E-08	8.190E-09	6.590E-09	5.488E-09	4.685E-09	4.076E-09	3.600E-09
NNW	3.233E-08	2.290E-08	1.411E-08	1.002E-08	7.693E-09	6.203E-09	5.172E-09	4.420E-09	3.849E-09	3.402E-09

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Table 2.3-169—{Normal Effluent Annual Average, Undecayed, Undepleted χ/Q Values for Mixed Mode Release Using 242,458 cfm Flow Rate for Site Boundary Receptors}

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m^3) Site Boundary
N	502.0	8.571E-06
NNE	667.0	1.958E-06
NE	814.0	1.442E-06
ENE	1290.9	1.581E-06
E	1323.2	1.225E-06
ESE	1323.2	7.585E-07
SE	1470.2	4.337E-07
SSE	1054.2	5.039E-07
S	749.4	9.415E-07
SSW	649.0	1.199E-06
SW	430.3	2.246E-06
WSW	358.6	1.546E-06
W	358.6	2.615E-06
WNW	419.5	5.555E-06
NW	376.5	1.453E-05
NNW	380.1	1.396E-05

Note:

N, NNE, NE, NW, NNW sectors are bounded by water (Lake Ontario).

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Table 2.3-170—{Normal Effluent Annual Average, Undecayed, Undepleted χ/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Residents}

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m³) Nearest Residents
N	-	-
NNE	-	-
NE	-	-
ENE	-	-
E	2528	2.968E-07
E	2876	2.281E-07
ESE	2707	1.706E-07
SE	2585	1.665E-07
SSE	2197	1.848E-07
S	1010	6.539E-07
SSW	780	9.224E-07
SW	-	-
WSW	-	-
W	447	1.773E-06
WNW	-	-
NW	-	-
NNW	-	-

Note:

N, NNE, NE, NW, NNW sectors are bounded by water (Lake Ontario).

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Table 2.3-171—{Normal Effluent Annual Average, Undecayed, Undepleted χ/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Gardens}

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m³) Nearest Gardens
N	-	-
NNE	-	-
NE	-	-
ENE	3343	2.312E-07
ENE	3501	2.116E-07
E	3841	1.317E-07
E	3813	1.337E-07
ESE	2858	1.527E-07
ESE	2778	1.618E-07
SSE	-	-
S	-	-
SSW	-	-
SW	23724	5.965E-09
WSW	-	-
W	-	-
WNW	-	-
NW	-	-
NNW	-	-

Note:

N, NNE, NE, NW, NNW sectors are bounded by water (Lake Ontario).

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Table 2.3-172—{Normal Effluent Annual Average, Undecayed, Undepleted χ/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Milk Animals}

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m³) Nearest Milk Animals
N	-	-
NNE	-	-
NE	-	-
ENE	-	-
E	8465	3.528E-08
E	16085	1.295E-08
E	15232	1.397E-08
E	16130	1.365E-08
E	16418	1.331E-08
ESE	13045	1.193E-08
ESE	13298	1.161E-08
ESE	13110	1.184E-08
ESE	15445	9.406E-09
ESE	10524	1.676E-08
ESE	17075	8.341E-09
SE	12157	1.035E-08
SSE	12276	8.549E-09
S	9893	1.440E-08
S	21534	4.618E-09
SSW	-	-
SW	20021	7.553E-09
WSW	-	-
W	-	-
WNW	-	-
NW	-	-
NNW	-	-

Note:

N, NNE, NE, NW, NNW sectors are bounded by water (Lake Ontario).

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Table 2.3-173—{Normal Effluent Annual Average, Decayed, Depleted χ/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Grid Receptors}

(Page 1 of 2)

DOWNWIND SECTOR	χ/Q (sec/m³) 0.5	χ/Q (sec/m³) 0.75	χ/Q (sec/m³) 1	χ/Q (sec/m³) 1.5	χ/Q (sec/m³) 2	χ/Q (sec/m³) 2.5	χ/Q (sec/m³) 3	χ/Q (sec/m³) 3.5	χ/Q (sec/m³) 4	χ/Q (sec/m³) 4.5	χ/Q (sec/m³) 5
N	3.633E-06	1.980E-06	1.055E-06	4.372E-07	2.450E-07	1.588E-07	1.155E-07	8.821E-08	7.002E-08	5.790E-08	4.883E-08
NNE	1.360E-06	7.761E-07	4.308E-07	1.896E-07	1.099E-07	7.272E-08	5.359E-08	4.133E-08	3.304E-08	2.745E-08	2.324E-08
NE	1.338E-06	7.643E-07	4.151E-07	1.770E-07	1.009E-07	6.601E-08	4.828E-08	3.702E-08	2.945E-08	2.437E-08	2.056E-08
ENE	2.975E-06	1.638E-06	8.734E-07	3.731E-07	2.077E-07	1.381E-07	9.929E-08	7.508E-08	5.905E-08	4.841E-08	4.050E-08
E	2.419E-06	1.345E-06	7.086E-07	2.877E-07	1.555E-07	1.025E-07	7.249E-08	5.412E-08	4.214E-08	3.426E-08	2.848E-08
ESE	1.527E-06	8.346E-07	4.396E-07	1.916E-07	1.042E-07	8.373E-08	5.832E-08	4.337E-08	3.346E-08	2.700E-08	2.230E-08
SE	1.077E-06	6.031E-07	3.245E-07	1.762E-07	9.429E-08	6.521E-08	4.539E-08	3.449E-08	2.658E-08	2.152E-08	1.776E-08
SSE	6.615E-07	3.850E-07	2.164E-07	1.398E-07	7.641E-08	5.434E-08	3.806E-08	2.972E-08	2.292E-08	1.849E-08	1.528E-08
S	7.812E-07	4.729E-07	2.661E-07	1.686E-07	9.163E-08	6.433E-08	4.498E-08	3.482E-08	2.684E-08	2.165E-08	1.788E-08
SSW	8.153E-07	5.243E-07	3.079E-07	1.856E-07	1.038E-07	7.971E-08	5.583E-08	4.212E-08	3.255E-08	2.630E-08	2.174E-08
SW	8.134E-07	5.125E-07	3.076E-07	1.707E-07	1.024E-07	8.079E-08	5.857E-08	4.930E-08	3.855E-08	3.273E-08	2.719E-08
WSW	3.892E-07	2.367E-07	1.471E-07	8.913E-08	5.806E-08	4.109E-08	3.159E-08	2.507E-08	2.045E-08	1.781E-08	1.522E-08
W	6.315E-07	3.638E-07	2.155E-07	1.088E-07	6.950E-08	4.908E-08	3.786E-08	3.021E-08	2.479E-08	2.104E-08	1.813E-08
WNW	1.761E-06	9.692E-07	5.318E-07	2.359E-07	1.396E-07	9.415E-08	7.044E-08	5.501E-08	4.443E-08	3.725E-08	3.178E-08
NW	3.743E-06	2.024E-06	1.075E-06	4.474E-07	2.536E-07	1.662E-07	1.218E-07	9.365E-08	7.476E-08	6.211E-08	5.260E-08
NNW	3.605E-06	1.924E-06	1.013E-06	4.152E-07	2.331E-07	1.520E-07	1.111E-07	8.532E-08	6.808E-08	5.657E-08	4.794E-08

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Table 2.3-173—{Normal Effluent Annual Average, Decayed, Depleted χ/Q Values for Mixed Mode Release Using 242,458 cfm Flow Rate for Grid Receptors}

(Page 2 of 2)

DOWNWIND SECTOR	χ/Q (sec/m³) 7.5	χ/Q (sec/m³) 10	χ/Q (sec/m³) 15	χ/Q (sec/m³) 20	χ/Q (sec/m³) 25	χ/Q (sec/m³) 30	χ/Q (sec/m³) 35	χ/Q (sec/m³) 40	χ/Q (sec/m³) 45	χ/Q (sec/m³) 50
N	2.539E-08	1.727E-08	1.000E-08	6.775E-09	5.620E-09	4.390E-09	3.561E-09	2.970E-09	2.935E-09	2.520E-09
NNE	1.218E-08	8.293E-09	5.553E-09	3.711E-09	2.712E-09	2.098E-09	1.484E-09	1.232E-09	1.134E-09	9.778E-10
NE	1.062E-08	7.159E-09	4.995E-09	3.209E-09	2.289E-09	1.732E-09	1.299E-09	1.069E-09	9.525E-10	8.120E-10
ENE	2.038E-08	1.353E-08	8.016E-09	5.263E-09	3.922E-09	2.956E-09	2.322E-09	1.880E-09	1.596E-09	1.363E-09
E	1.544E-08	1.004E-08	5.188E-09	3.397E-09	2.577E-09	1.942E-09	1.526E-09	1.236E-09	1.026E-09	8.760E-10
ESE	1.084E-08	7.020E-09	3.144E-09	2.078E-09	1.648E-09	1.263E-09	1.049E-09	8.519E-10	7.233E-10	6.147E-10
SE	8.588E-09	5.557E-09	3.022E-09	1.955E-09	1.323E-09	1.018E-09	8.323E-10	6.846E-10	5.472E-10	4.683E-10
SSE	7.397E-09	4.792E-09	2.603E-09	1.679E-09	1.096E-09	8.482E-10	6.950E-10	5.622E-10	4.657E-10	3.927E-10
S	8.620E-09	5.575E-09	3.018E-09	1.940E-09	1.288E-09	9.947E-10	7.977E-10	6.441E-10	5.327E-10	4.488E-10
SSW	1.050E-08	6.812E-09	3.716E-09	2.410E-09	1.697E-09	1.278E-09	9.883E-10	8.125E-10	6.082E-10	5.097E-10
SW	1.332E-08	8.714E-09	4.789E-09	3.128E-09	2.137E-09	1.593E-09	1.241E-09	9.969E-10	8.098E-10	6.942E-10
WSW	1.022E-08	6.825E-09	3.845E-09	2.555E-09	1.860E-09	1.435E-09	1.089E-09	8.814E-10	6.686E-10	5.778E-10
W	1.005E-08	7.075E-09	4.255E-09	2.946E-09	2.209E-09	1.744E-09	1.544E-09	1.295E-09	1.252E-09	1.086E-09
WNW	1.715E-08	1.193E-08	7.110E-09	4.910E-09	3.682E-09	2.909E-09	2.383E-09	2.005E-09	1.723E-09	1.503E-09
NW	2.781E-08	1.918E-08	1.137E-08	7.853E-09	5.902E-09	4.677E-09	3.844E-09	3.245E-09	2.797E-09	2.447E-09
NNW	2.546E-08	1.764E-08	1.052E-08	7.299E-09	5.499E-09	4.365E-09	3.591E-09	3.032E-09	2.613E-09	2.287E-09

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Table 2.3-174—{Normal Effluent Annual Average, Decayed, Depleted χ/Q Values for Mixed Mode Release Using 242,458 cfm Flow Rate for Site Boundary Receptors}

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m^3) Site Boundary
N	502.0	8.033E-06
NNE	667.0	1.809E-06
NE	814.0	1.318E-06
ENE	1290.9	1.414E-06
E	1323.2	1.099E-06
ESE	1323.2	6.812E-07
SE	1470.2	3.932E-07
SSE	1054.2	4.628E-07
S	749.4	8.719E-07
SSW	649.0	1.116E-06
SW	430.3	2.121E-06
WSW	358.6	1.470E-06
W	358.6	2.487E-06
WNW	419.5	5.249E-06
NW	376.5	1.379E-05
NNW	380.1	1.324E-05

Note:

N, NNE, NE, NW, NNW sectors are bounded by water (Lake Ontario).

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Table 2.3-175—{Normal Effluent Annual Average, Decayed, Depleted χ/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Residents}

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m³) Nearest Residents
N	-	-
NNE	-	-
NE	-	-
ENE	-	-
E	2528	2.593E-07
E	2876	1.980E-07
ESE	2707	1.502E-07
SE	2585	1.513E-07
SSE	2197	1.720E-07
S	1010	6.006E-07
SSW	780	8.518E-07
SW	-	-
WSW	-	-
W	447	1.670E-06
WNW	-	-
NW	-	-
NNW	-	-

Note:

N, NNE, NE, NW, NNW sectors are bounded by water (Lake Ontario).

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Table 2.3-176—{Normal Effluent Annual Average, Decayed, Depleted χ/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Gardens}

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m³) Nearest Gardens
N	-	-
NNE	-	-
NE	-	-
ENE	3343	2.001E-07
ENE	3501	1.827E-07
E	3841	1.131E-07
E	3813	1.149E-07
ESE	2858	1.341E-07
ESE	2778	1.423E-07
SSE	-	-
S	-	-
SSW	-	-
SW	23724	4.912E-09
WSW	-	-
W	-	-
WNW	-	-
NW	-	-
NNW	-	-

Note:

N, NNE, NE, NW, NNW sectors are bounded by water (Lake Ontario).

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Table 2.3-177—{Normal Effluent Annual Average, Decayed, Depleted χ/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Milk Animals}

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m³) Nearest Milk Animals
N	-	-
NNE	-	-
NE	-	-
ENE	-	-
E	8465	2.904E-08
E	16085	1.005E-08
E	15232	1.090E-08
E	16130	9.927E-09
E	16418	9.653E-09
ESE	13045	9.638E-09
ESE	13298	9.362E-09
ESE	13110	9.566E-09
ESE	15445	7.467E-09
ESE	10524	1.383E-08
ESE	17075	6.383E-09
SE	12157	8.492E-09
SSE	12276	7.208E-09
S	9893	1.227E-08
S	21534	3.595E-09
SSW	-	-
SW	20021	6.313E-09
WSW	-	-
W	-	-
WNW	-	-
NW	-	-
NNW	-	-

Note:

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Table 2.3-178—{Normal Effluent Annual Average, Undecayed, Undepleted Gamma χ/Q Values for Mixed Mode Release Using 242,458 cfm Flow Rate for Grid Receptors}

(Page 1 of 2)

DOWNWIND SECTOR	χ/Q (sec/m³) 0.5	χ/Q (sec/m³) 0.75	χ/Q (sec/m³) 1	χ/Q (sec/m³) 1.5	χ/Q (sec/m³) 2	χ/Q (sec/m³) 2.5	χ/Q (sec/m³) 3	χ/Q (sec/m³) 3.5	χ/Q (sec/m³) 4	χ/Q (sec/m³) 4.5	χ/Q (sec/m³) 5
N	2.179E-06	1.390E-06	7.973E-07	3.564E-07	2.084E-07	1.393E-07	1.038E-07	8.109E-08	6.563E-08	5.521E-08	4.730E-08
NNE	1.003E-06	6.491E-07	3.762E-07	1.703E-07	1.002E-07	6.713E-08	5.011E-08	3.913E-08	3.166E-08	2.661E-08	2.277E-08
NE	9.292E-07	5.973E-07	3.437E-07	1.541E-07	9.010E-08	6.012E-08	4.472E-08	3.483E-08	2.812E-08	2.358E-08	2.014E-08
ENE	1.878E-06	1.180E-06	6.704E-07	3.027E-07	1.746E-07	1.178E-07	8.682E-08	6.715E-08	5.392E-08	4.503E-08	3.832E-08
E	1.548E-06	9.775E-07	5.455E-07	2.356E-07	1.329E-07	8.868E-08	6.452E-08	4.940E-08	3.933E-08	3.262E-08	2.760E-08
ESE	1.049E-06	6.468E-07	3.601E-07	1.612E-07	9.077E-08	6.524E-08	4.710E-08	3.594E-08	2.848E-08	2.353E-08	1.984E-08
SE	8.283E-07	5.122E-07	2.839E-07	1.376E-07	7.641E-08	5.105E-08	3.678E-08	2.827E-08	2.240E-08	1.853E-08	1.563E-08
SSE	5.701E-07	3.623E-07	2.047E-07	1.067E-07	5.990E-08	4.058E-08	2.937E-08	2.287E-08	1.815E-08	1.500E-08	1.267E-08
S	6.268E-07	4.243E-07	2.403E-07	1.247E-07	7.003E-08	4.731E-08	3.425E-08	2.661E-08	2.112E-08	1.747E-08	1.475E-08
SSW	7.434E-07	5.090E-07	2.930E-07	1.493E-07	8.489E-08	6.007E-08	4.348E-08	3.339E-08	2.647E-08	2.186E-08	1.843E-08
SW	8.132E-07	5.601E-07	3.278E-07	1.608E-07	9.411E-08	6.828E-08	5.020E-08	4.067E-08	3.240E-08	2.738E-08	2.313E-08
WSW	4.909E-07	3.280E-07	1.955E-07	9.810E-08	5.918E-08	4.031E-08	3.042E-08	2.394E-08	1.948E-08	1.673E-08	1.435E-08
W	6.706E-07	4.435E-07	2.626E-07	1.232E-07	7.433E-08	5.076E-08	3.843E-08	3.036E-08	2.478E-08	2.099E-08	1.807E-08
WNW	1.365E-06	8.852E-07	5.154E-07	2.359E-07	1.402E-07	9.482E-08	7.132E-08	5.607E-08	4.561E-08	3.853E-08	3.312E-08
NW	2.442E-06	1.566E-06	9.016E-07	4.059E-07	2.388E-07	1.605E-07	1.202E-07	9.427E-08	7.656E-08	6.460E-08	5.549E-08
NNW	2.187E-06	1.395E-06	8.007E-07	3.588E-07	2.107E-07	1.415E-07	1.059E-07	8.306E-08	6.747E-08	5.696E-08	4.895E-08

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Table 2.3-178—{Normal Effluent Annual Average, Undecayed, Undepleted Gamma χ/Q Values for Mixed Mode Release Using 242,458 cfm Flow Rate for Grid Receptors}

(Page 2 of 2)

DOWNWIND SECTOR	χ//Q (sec/m³) 7.5	χ/Q (sec/m³) 10	χ/Q (sec/m³) 15	χ/Q (sec/m³) 20	χ/Q (sec/m³) 25	χ/Q (sec/m³) 30	χ/Q (sec/m³) 35	χ/Q (sec/m³) 40	χ/Q (sec/m³) 45	χ/Q (sec/m³) 50
N	2.606E-08	1.849E-08	1.136E-08	8.023E-09	6.410E-09	5.129E-09	4.248E-09	3.608E-09	3.314E-09	2.910E-09
NNE	1.245E-08	8.773E-09	5.707E-09	3.962E-09	2.982E-09	2.364E-09	1.838E-09	1.552E-09	1.385E-09	1.211E-09
NE	1.094E-08	7.664E-09	5.127E-09	3.515E-09	2.616E-09	2.058E-09	1.609E-09	1.352E-09	1.196E-09	1.041E-09
ENE	2.057E-08	1.435E-08	8.843E-09	6.122E-09	4.737E-09	3.742E-09	3.067E-09	2.581E-09	2.170E-09	1.896E-09
E	1.510E-08	1.036E-08	5.979E-09	4.120E-09	3.182E-09	2.508E-09	2.051E-09	1.724E-09	1.445E-09	1.261E-09
ESE	1.036E-08	7.093E-09	3.851E-09	2.672E-09	2.087E-09	1.651E-09	1.397E-09	1.176E-09	1.005E-09	8.782E-10
SE	8.175E-09	5.619E-09	3.339E-09	2.314E-09	1.683E-09	1.339E-09	1.114E-09	9.426E-10	8.003E-10	7.026E-10
SSE	6.654E-09	4.581E-09	2.724E-09	1.888E-09	1.338E-09	1.067E-09	9.291E-10	7.853E-10	6.774E-10	5.937E-10
S	7.746E-09	5.332E-09	3.167E-09	2.192E-09	1.560E-09	1.242E-09	1.076E-09	9.087E-10	7.833E-10	6.860E-10
SSW	9.574E-09	6.542E-09	3.837E-09	2.627E-09	1.972E-09	1.551E-09	1.220E-09	1.025E-09	9.113E-10	7.939E-10
SW	1.208E-08	8.262E-09	4.831E-09	3.297E-09	2.499E-09	1.957E-09	1.592E-09	1.331E-09	1.043E-09	9.088E-10
WSW	8.822E-09	6.109E-09	3.619E-09	2.488E-09	1.859E-09	1.464E-09	1.231E-09	1.032E-09	7.851E-10	6.857E-10
W	1.010E-08	7.208E-09	4.440E-09	3.132E-09	2.385E-09	1.906E-09	1.635E-09	1.385E-09	1.259E-09	1.103E-09
WNW	1.843E-08	1.315E-08	8.118E-09	5.747E-09	4.391E-09	3.522E-09	2.922E-09	2.485E-09	2.155E-09	1.896E-09
NW	3.088E-08	2.208E-08	1.371E-08	9.763E-09	7.497E-09	6.041E-09	5.033E-09	4.296E-09	3.737E-09	3.299E-09
NNW	2.734E-08	1.961E-08	1.224E-08	8.750E-09	6.740E-09	5.444E-09	4.544E-09	3.886E-09	3.385E-09	2.992E-09

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Table 2.3-179—{Normal Effluent Annual Average, Undecayed, Undepleted Gamma χ/Q Values for Mixed Mode Release Using 242,458 cfm Flow Rate for Site Boundary Receptors}

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m^3) Site Boundary
N	502.0	3.707E-06
NNE	667.0	1.229E-06
NE	814.0	9.182E-07
ENE	1290.9	1.037E-06
E	1323.2	8.148E-07
ESE	1323.2	5.383E-07
SE	1470.2	3.413E-07
SSE	1054.2	4.287E-07
S	749.4	6.814E-07
SSW	649.0	9.396E-07
SW	430.3	1.434E-06
WSW	358.6	9.236E-07
W	358.6	1.315E-06
WNW	419.5	2.550E-06
NW	376.5	5.225E-06
NNW	380.1	4.735E-06

Note: N, NNE, NE, NW, NNW sectors are bounded by water (Lake Ontario).

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Table 2.3-180—{Normal Effluent Annual Average, Undecayed, Undepleted Gamma χ/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Residents}

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m³) Nearest Residents
N	-	-
NNE	-	-
NE	-	-
ENE	-	-
E	2528	2.138E-07
E	2876	1.665E-07
ESE	2707	1.282E-07
SE	2585	1.192E-07
SSE	2197	1.303E-07
S	1010	5.265E-07
SSW	780	7.691E-07
SW	-	-
WSW	-	-
W	447	1.160E-06
WNW	-	-
NW	-	-
NNW	-	-

Note:

N, NNE, NE, NW, NNW sectors are bounded by water (Lake Ontario).

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Table 2.3-181—{Normal Effluent Annual Average, Undecayed, Undepleted Gamma χ/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Gardens}

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m³) Nearest Gardens
N	-	-
NNE	-	-
NE	-	-
ENE	3343	1.666E-07
ENE	3501	1.530E-07
E	3841	9.711E-08
E	3813	9.853E-08
ESE	2858	1.152E-07
ESE	2778	1.218E-07
SSE	-	-
S	-	-
SSW	-	-
SW	23724	4.943E-09
WSW	-	-
W	-	-
WNW	-	-
NW	-	-
NNW	-	-

Note:

N, NNE, NE, NW, NNW sectors are bounded by water (Lake Ontario).

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Table 2.3-182—{Normal Effluent Annual Average, Undecayed, Undepleted Gamma χ/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Milk Animals}

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m³) Nearest Milk Animals
N	-	-
NNE	-	-
NE	-	-
ENE	-	-
E	8465	2.664E-08
E	16085	1.036E-08
E	15232	1.113E-08
E	16130	1.057E-08
E	16418	1.033E-08
ESE	13045	9.344E-09
ESE	13298	9.111E-09
ESE	13110	9.283E-09
ESE	15445	7.483E-09
ESE	10524	1.286E-08
ESE	17075	6.623E-09
SE	12157	8.097E-09
SSE	12276	6.508E-09
S	9893	1.058E-08
S	21534	3.665E-09
SSW	-	-
SW	20021	6.188E-09
WSW	-	-
W	-	-
WNW	-	-
NW	-	-
NNW	-	-

Note:

N, NNE, NE, NW, NNW sectors are bounded by water (Lake Ontario).

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Table 2.3-183—{Normal Effluent Annual Average D/Q Values for Mixed Mode Release Using 242,458 cfm Flow Rate for Grid Receptors}

(Page 1 of 2)

DOWNWIND SECTOR	D/Q ($1/m^2$) 0.5	D/Q ($1/m^2$) 0.75	D/Q ($1/m^2$) 1	D/Q ($1/m^2$) 1.5	D/Q ($1/m^2$) 2	D/Q ($1/m^2$) 2.5	D/Q ($1/m^2$) 3	D/Q ($1/m^2$) 3.5	D/Q ($1/m^2$) 4	D/Q ($1/m^2$) 4.5	D/Q ($1/m^2$) 5
N	3.056E-08	1.674E-08	8.669E-09	3.267E-09	1.675E-09	1.005E-09	6.845E-10	4.936E-10	3.720E-10	2.931E-10	2.362E-10
NNE	1.274E-08	7.370E-09	4.013E-09	1.592E-09	8.391E-10	5.124E-10	3.531E-10	2.568E-10	1.947E-10	1.540E-10	1.244E-10
NE	1.508E-08	8.333E-09	4.360E-09	1.662E-09	8.579E-10	5.170E-10	3.531E-10	2.551E-10	1.925E-10	1.518E-10	1.223E-10
ENE	4.395E-08	2.386E-08	1.216E-08	4.528E-09	2.300E-09	1.380E-09	9.358E-10	6.734E-10	5.069E-10	3.990E-10	3.217E-10
E	5.415E-08	2.877E-08	1.431E-08	5.165E-09	2.577E-09	1.526E-09	1.025E-09	7.328E-10	5.489E-10	4.305E-10	3.462E-10
ESE	4.231E-08	2.254E-08	1.123E-08	4.087E-09	2.042E-09	1.223E-09	8.201E-10	5.855E-10	4.382E-10	3.432E-10	2.758E-10
SE	3.155E-08	1.722E-08	8.690E-09	3.270E-09	1.641E-09	9.781E-10	6.588E-10	4.723E-10	3.544E-10	2.779E-10	2.237E-10
SSE	1.570E-08	8.847E-09	4.561E-09	1.779E-09	9.035E-10	5.443E-10	3.686E-10	2.657E-10	1.999E-10	1.572E-10	1.268E-10
S	1.642E-08	9.460E-09	4.898E-09	1.932E-09	9.827E-10	5.926E-10	4.014E-10	2.893E-10	2.177E-10	1.712E-10	1.383E-10
SSW	1.313E-08	7.953E-09	4.324E-09	1.810E-09	9.406E-10	5.855E-10	3.979E-10	2.873E-10	2.166E-10	1.708E-10	1.380E-10
SW	9.612E-09	6.089E-09	3.503E-09	1.509E-09	8.136E-10	5.190E-10	3.585E-10	2.650E-10	2.007E-10	1.595E-10	1.290E-10
WSW	2.534E-09	1.680E-09	1.049E-09	4.830E-10	2.742E-10	1.756E-10	1.247E-10	9.250E-11	7.098E-11	5.679E-11	4.604E-11
W	3.591E-09	2.266E-09	1.348E-09	5.814E-10	3.237E-10	2.048E-10	1.445E-10	1.066E-10	8.159E-11	6.488E-11	5.255E-11
WNW	1.360E-08	7.972E-09	4.416E-09	1.783E-09	9.537E-10	5.884E-10	4.083E-10	2.983E-10	2.268E-10	1.797E-10	1.452E-10
NW	3.031E-08	1.686E-08	8.876E-09	3.406E-09	1.768E-09	1.071E-09	7.334E-10	5.311E-10	4.013E-10	3.168E-10	2.556E-10
NNW	2.745E-08	1.496E-08	7.700E-09	2.883E-09	1.474E-09	8.834E-10	6.009E-10	4.331E-10	3.262E-10	2.570E-10	2.071E-10

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Table 2.3-183—{Normal Effluent Annual Average D/Q Values for Mixed Mode Release Using 242,458 cfm Flow Rate for Grid Receptors}

(Page 2 of 2)

DOWNWIND SECTOR	D/Q ($1/m^2$) 7.5	D/Q ($1/m^2$) 10	D/Q ($1/m^2$) 15	D/Q ($1/m^2$) 20	D/Q ($1/m^2$) 25	D/Q ($1/m^2$) 30	D/Q ($1/m^2$) 35	D/Q ($1/m^2$) 40	D/Q ($1/m^2$) 45	D/Q ($1/m^2$) 50
N	1.045E-10	6.512E-11	3.292E-11	2.014E-11	1.366E-11	9.959E-12	7.613E-12	6.035E-12	5.184E-11	5.218E-11
NNE	5.541E-11	3.437E-11	1.725E-11	1.062E-11	7.380E-12	5.576E-12	4.054E-12	3.207E-12	2.605E-12	2.165E-12
NE	5.419E-11	3.371E-11	2.715E-11	3.503E-11	3.309E-11	4.118E-11	3.890E-12	3.073E-12	1.280E-11	1.256E-11
ENE	1.423E-10	8.897E-11	4.530E-11	2.807E-11	8.969E-11	1.057E-10	1.154E-10	1.185E-10	8.969E-12	7.946E-12
E	1.521E-10	9.503E-11	4.830E-11	2.964E-11	5.369E-11	5.889E-11	6.211E-11	6.263E-11	7.715E-12	6.517E-12
ESE	1.208E-10	7.588E-11	3.862E-11	2.369E-11	1.618E-11	1.184E-11	3.314E-11	3.308E-11	1.353E-11	1.283E-11
SE	9.861E-11	6.262E-11	3.641E-11	3.012E-11	1.364E-11	1.009E-11	8.208E-12	6.720E-12	5.028E-12	4.171E-12
SSE	5.701E-11	3.766E-11	2.644E-11	2.621E-11	8.043E-12	6.011E-12	2.137E-11	1.956E-11	1.762E-11	1.611E-11
S	6.285E-11	4.253E-11	3.193E-11	3.237E-11	8.822E-12	6.607E-12	2.288E-11	2.059E-11	1.833E-11	1.657E-11
SSW	6.099E-11	3.786E-11	2.077E-11	1.666E-11	4.247E-11	4.873E-11	4.970E-12	4.027E-12	9.752E-12	8.468E-12
SW	5.705E-11	3.498E-11	1.778E-11	1.166E-11	4.508E-11	4.501E-11	4.296E-11	3.982E-11	2.855E-12	2.378E-12
WSW	2.132E-11	1.307E-11	6.564E-12	4.152E-12	3.054E-12	2.513E-12	6.386E-11	6.433E-11	1.033E-12	8.585E-13
W	2.373E-11	1.479E-11	7.514E-12	4.634E-12	3.185E-12	2.337E-12	1.781E-12	1.414E-12	1.416E-12	1.243E-12
WNW	6.501E-11	4.044E-11	2.049E-11	1.260E-11	8.635E-12	6.320E-12	4.839E-12	3.834E-12	3.114E-12	2.580E-12
NW	1.136E-10	7.077E-11	3.584E-11	2.198E-11	1.501E-11	1.094E-11	8.351E-12	6.596E-12	5.342E-12	4.415E-12
NNW	9.167E-11	5.719E-11	2.898E-11	1.775E-11	1.211E-11	8.822E-12	6.723E-12	5.304E-12	4.290E-12	3.541E-12

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Table 2.3-184—{Normal Effluent Annual Average D/Q Values (1/m^2) for Mixed Mode Release Using 242,458 cfm Flow Rate for Site Boundary Receptors}

DOWNWIND SECTOR	Distance (m)	D/Q (1/m^2) Site Boundary
N	502.0	6.155E-08
NNE	667.0	1.659E-08
NE	814.0	1.483E-08
ENE	1290.9	2.047E-08
E	1323.2	2.313E-08
ESE	1323.2	1.814E-08
SE	1470.2	1.079E-08
SSE	1054.2	1.085E-08
S	749.4	1.807E-08
SSW	649.0	1.719E-08
SW	430.3	2.110E-08
WSW	358.6	7.182E-09
W	358.6	1.060E-08
WNW	419.5	3.397E-08
NW	376.5	9.147E-08
NNW	380.1	8.269E-08

Note:

N, NNE, NE, NW, NNW sectors are bounded by water (Lake Ontario).

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Table 2.3-185—{Normal Effluent Annual Average D/Q Values (1/m^2) for Mixed Mode Release With Building Wake for Nearest Residents}

DOWNWIND SECTOR	Distance (m)	D/Q (1/m^2) Nearest Residents
N	-	-
NNE	-	-
NE	-	-
ENE	-	-
E	2528	4.595E-09
E	2876	3.381E-09
ESE	2707	3.095E-09
SE	2585	2.766E-09
SSE	2197	2.244E-09
S	1010	1.234E-08
SSW	780	1.367E-08
SW	-	-
WSW	-	-
W	447	7.860E-09
WNW	-	-
NW	-	-
NNW	-	-

Note:

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Table 2.3-186—{Normal Effluent Annual Average D/Q Values (1/m^2) for Mixed Mode Release With Building Wake for Nearest Gardens}

DOWNWIND SECTOR	Distance (m)	D/Q (1/m^2) Nearest Gardens
N	-	-
NNE	-	-
NE	-	-
ENE	3343	2.124E-09
ENE	3501	1.910E-09
E	3841	1.705E-09
E	3813	1.735E-09
ESE	2858	2.718E-09
ESE	2778	2.910E-09
SSE	-	-
S	-	-
SSW	-	-
SW	23724	1.827E-11
WSW	-	-
W	-	-
WNW	-	-
NW	-	-
NNW	-	-

Note:

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Table 2.3-187—{Normal Effluent Annual Average D/Q Values (1/m^2) for Mixed Mode Release With Building Wake for Nearest Milk Animals}

DOWNWIND SECTOR	Distance (m)	D/Q (1/m^2) Nearest Milk Animals
N	-	-
NNE	-	-
NE	-	-
ENE	-	-
E	8465	3.122E-10
E	16085	9.508E-11
E	15232	1.040E-10
E	16130	1.350E-10
E	16418	1.308E-10
ESE	13045	1.065E-10
ESE	13298	1.033E-10
ESE	13110	1.057E-10
ESE	15445	8.107E-11
ESE	10524	1.560E-10
ESE	17075	7.649E-11
SE	12157	9.744E-11
SSE	12276	5.551E-11
S	9893	9.127E-11
S	21534	3.316E-11
SSW	-	-
SW	20021	2.404E-11
WSW	-	-
W	-	-
WNW	-	-
NW	-	-
NNW	-	-

Note:

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Table 2.3-188—{Distances from Major Structures to the New Meteorological Tower}

Structure	Heights	Distances to New Meteorological Tower
EPR Reactor Building	62 m (203 ft) above grade	1286 m (4219 ft) (estimated)
EPR Turbine Building	55 m (180 ft) (estimated)	1091m (3581 ft) (estimated)
NMP3NPP Cooling Tower	54 m (177 ft)	1540 m (5052 ft)
NMP Unit 2 Cooling Tower	165 m (541 ft)	1711 m (5613 ft)

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Figure 2.3-1—{Annual Average Number of Tornadoes, 1950-1995}

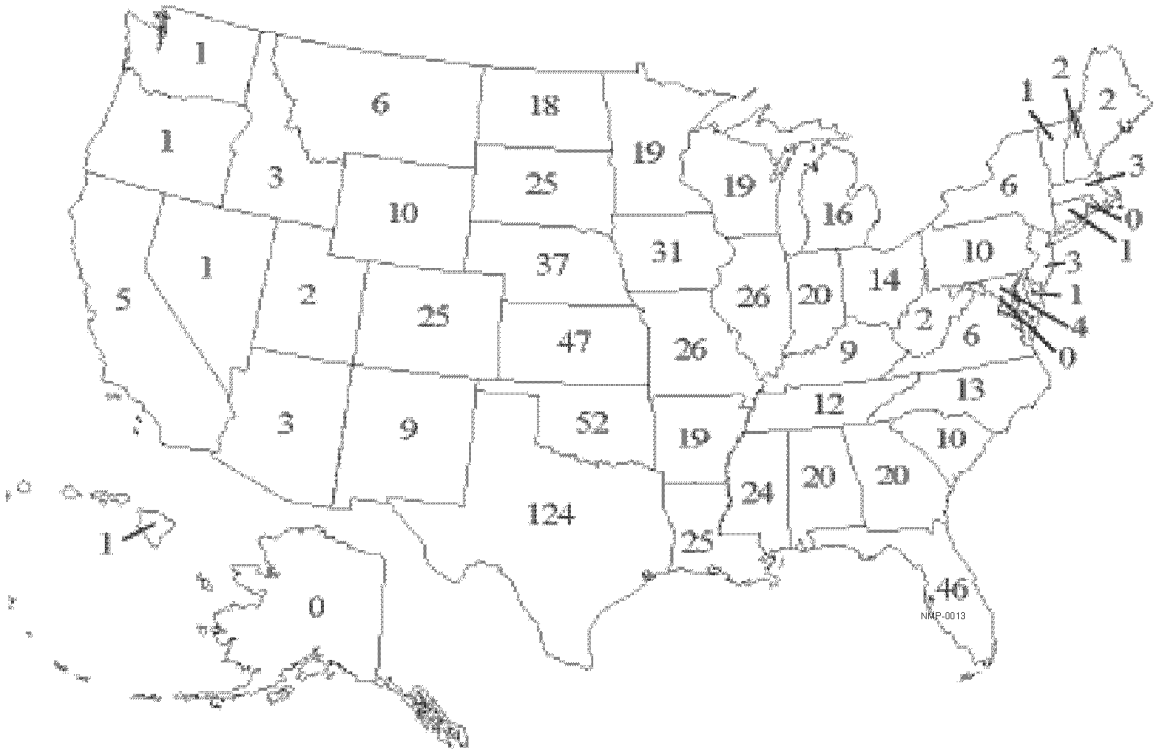

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Figure 2.3-2—{Annual Average Number of Strong-Violent (F2-F5) Tornadoes, 1950-1995}

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Figure 2.3-3—{Annual Thunderstorm Frequency}

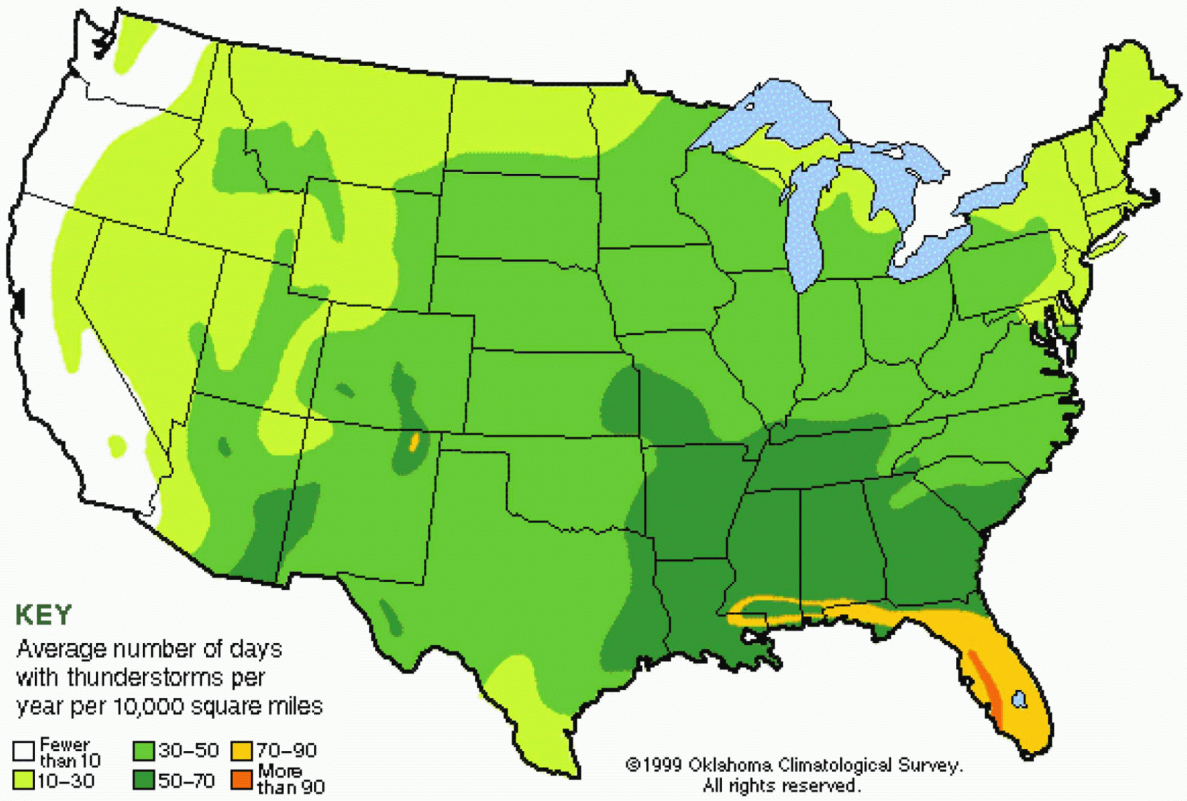

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Figure 2.3-4—{Five-Year Lighting Flash Density Map}

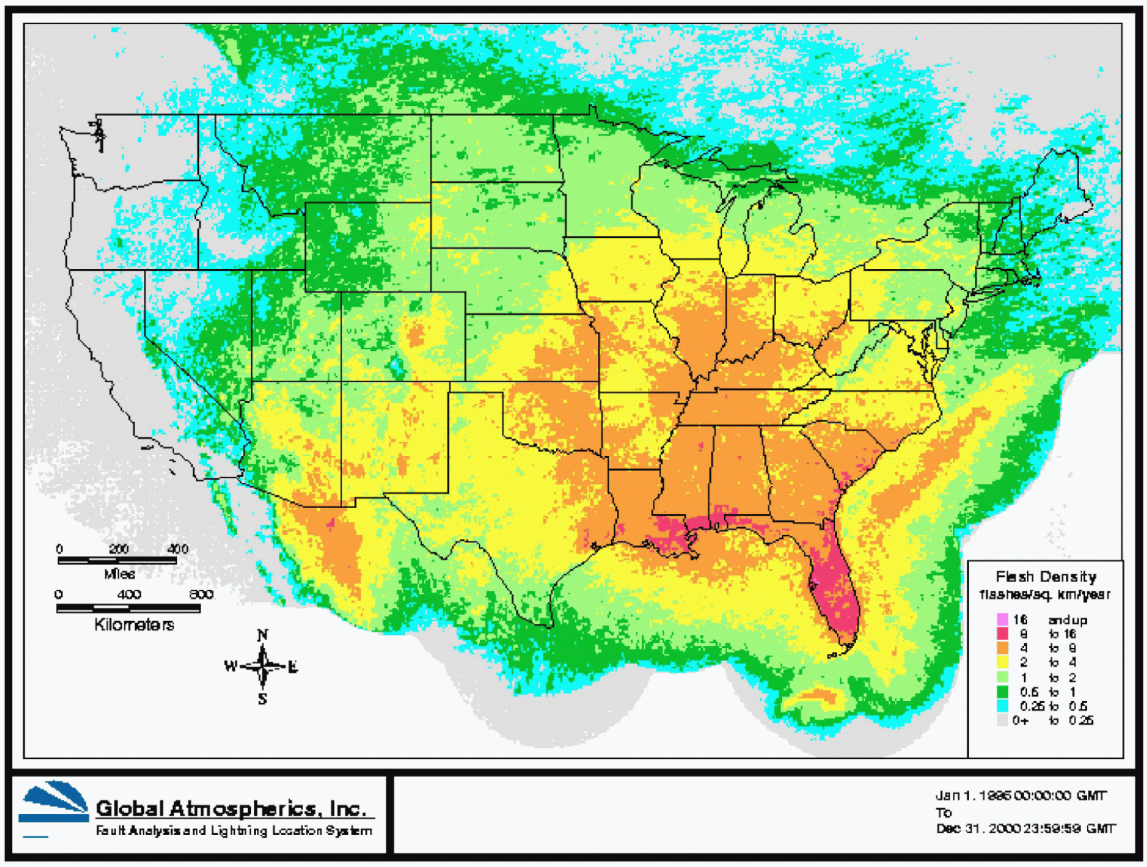

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Figure 2.3-5—{NMPNS 30 ft (9-m) Annual Wind Rose}

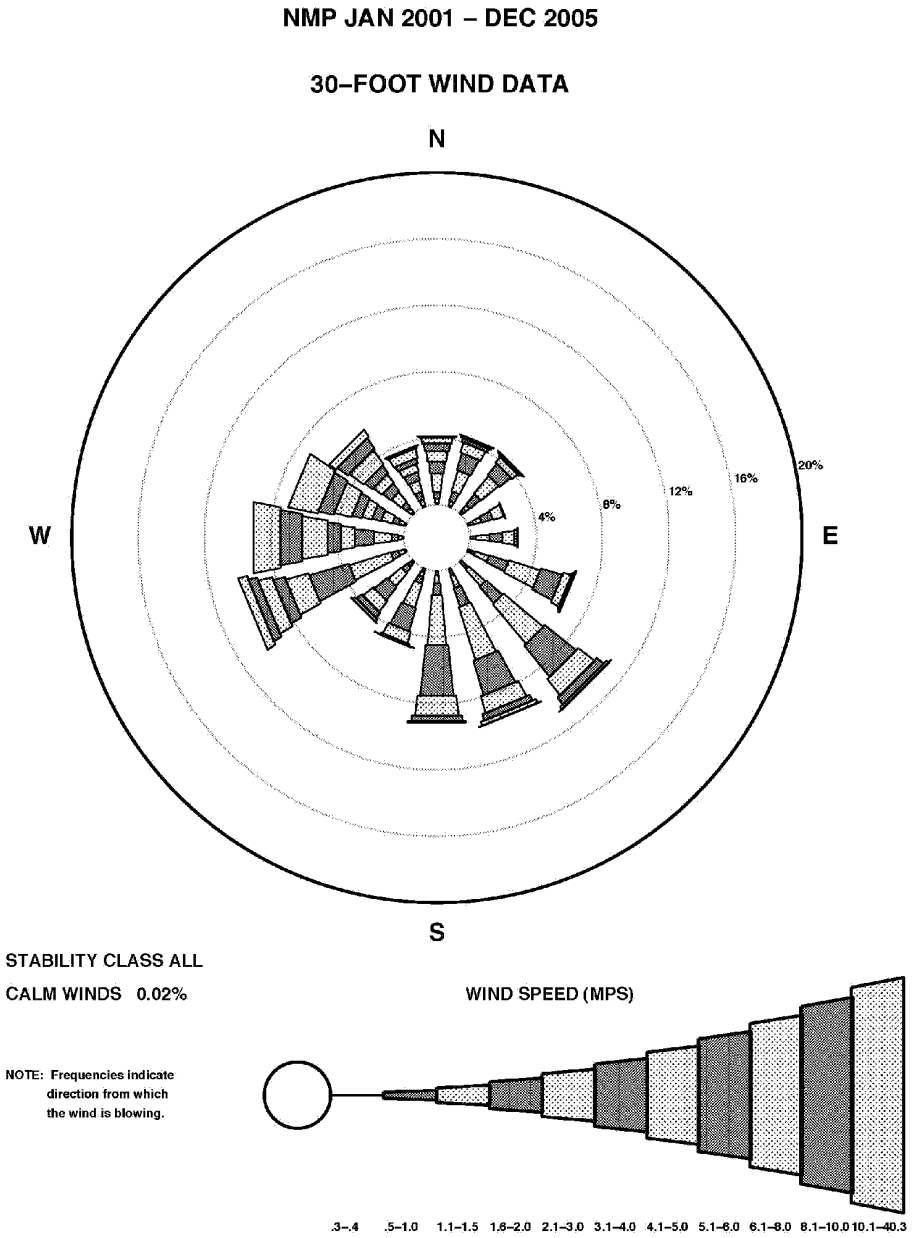

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Figure 2.3-6—{NMPNS 100 ft (30-m) Annual Wind Rose}

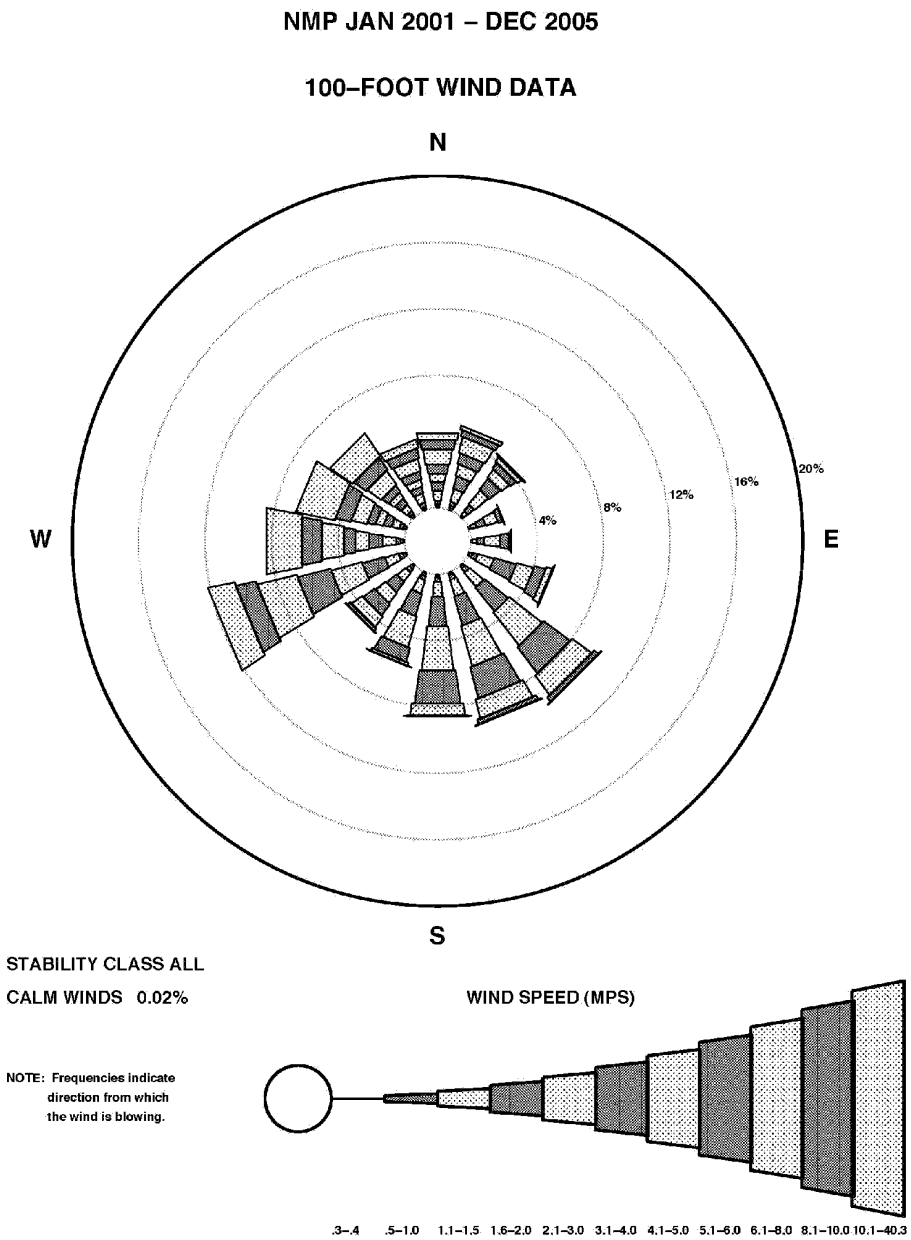

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Figure 2.3-7—{NMPNS 200 ft (61-m) Annual Wind Rose}

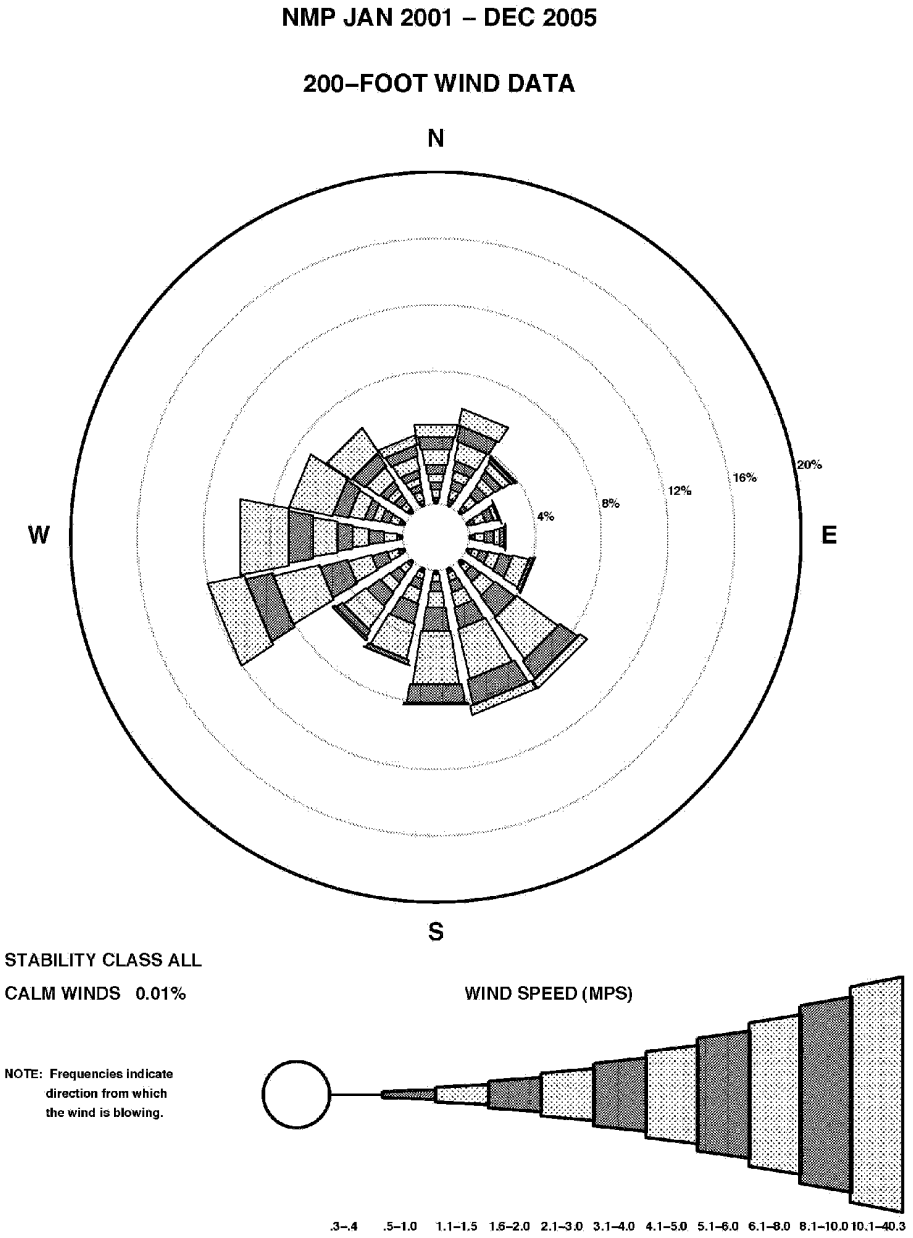

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Figure 2.3-8—{NMPNS 30 ft (9-m) Winter Wind Rose}

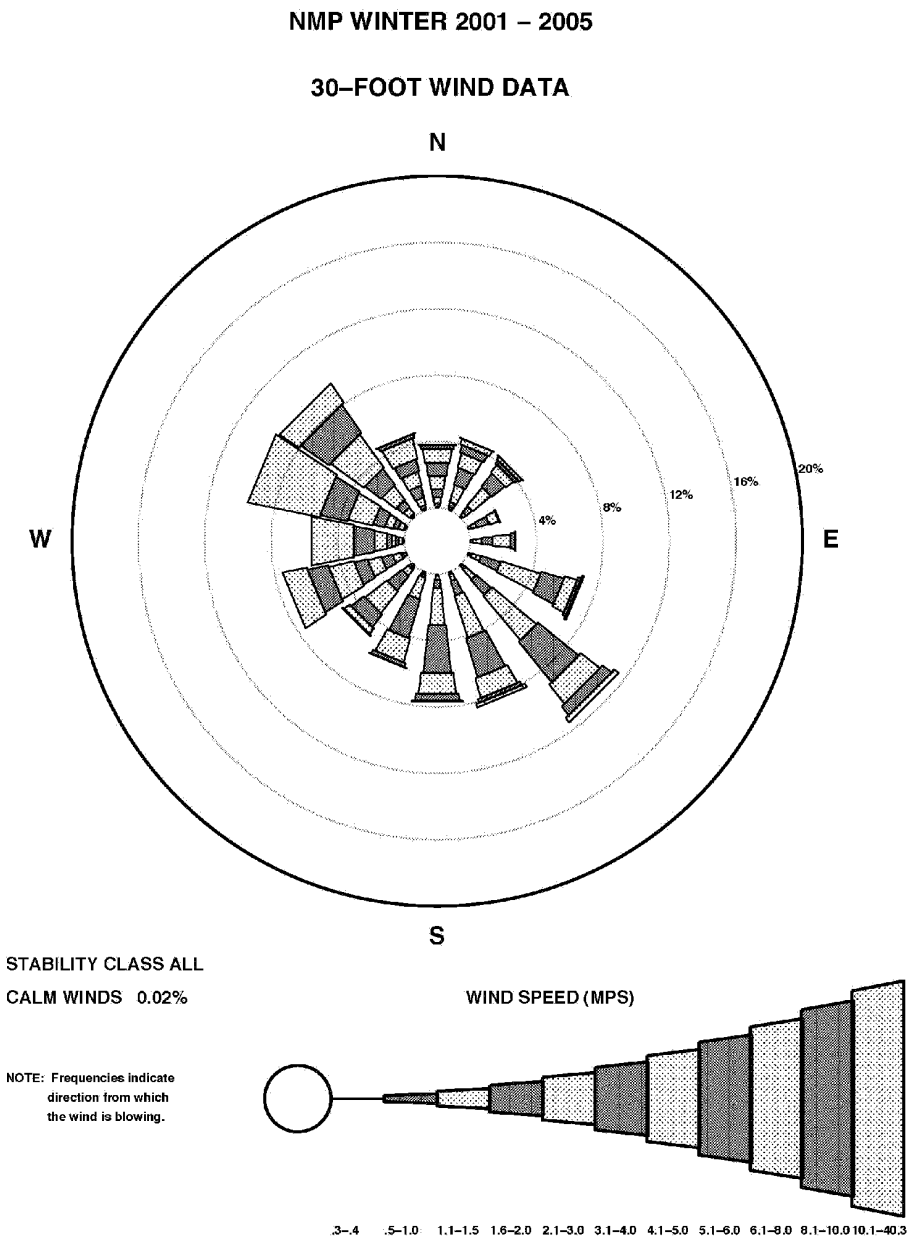

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Figure 2.3-9—{NMPNS 30 ft (9-m) Spring Wind Rose}

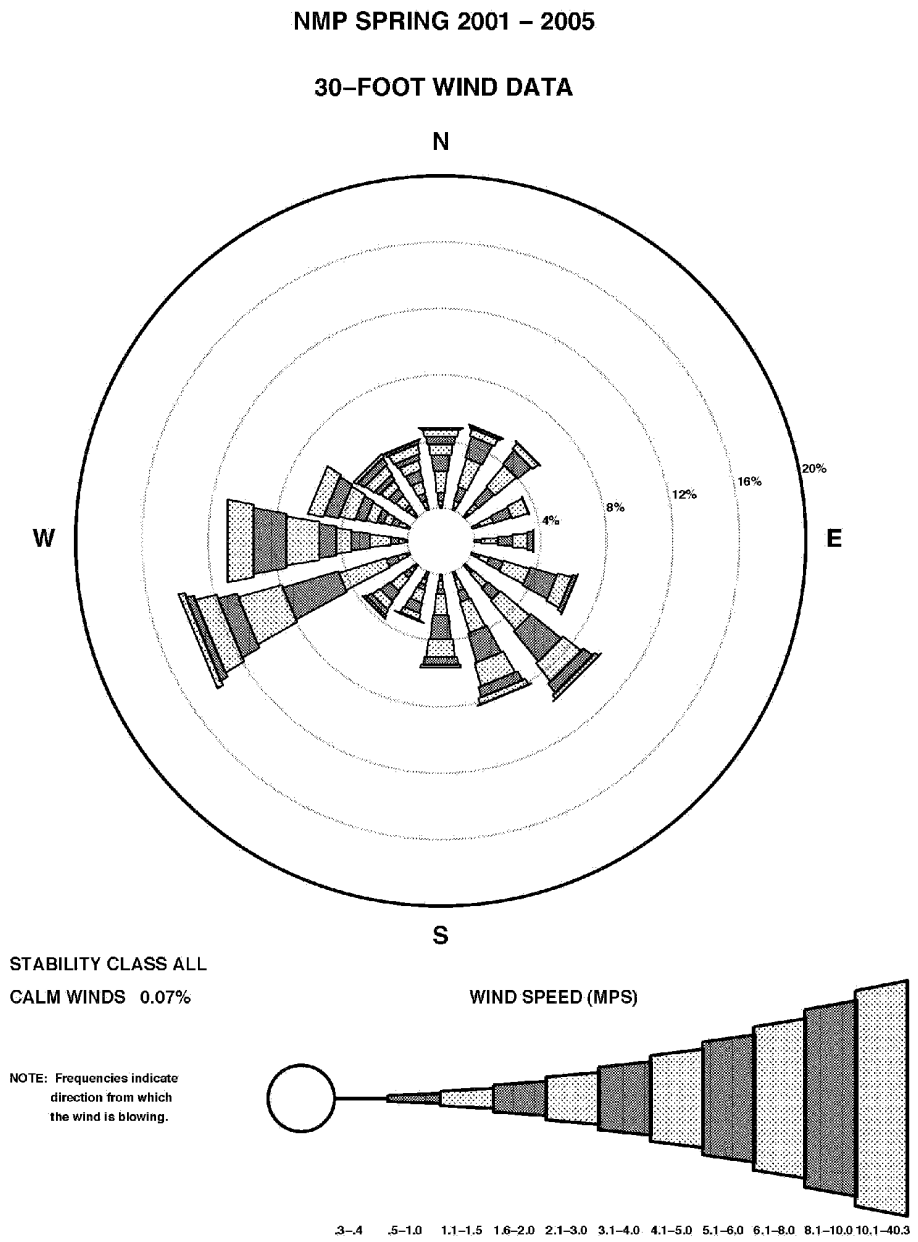

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Figure 2.3-10—{NMPNS 30 ft (9-m) Summer Wind Rose}

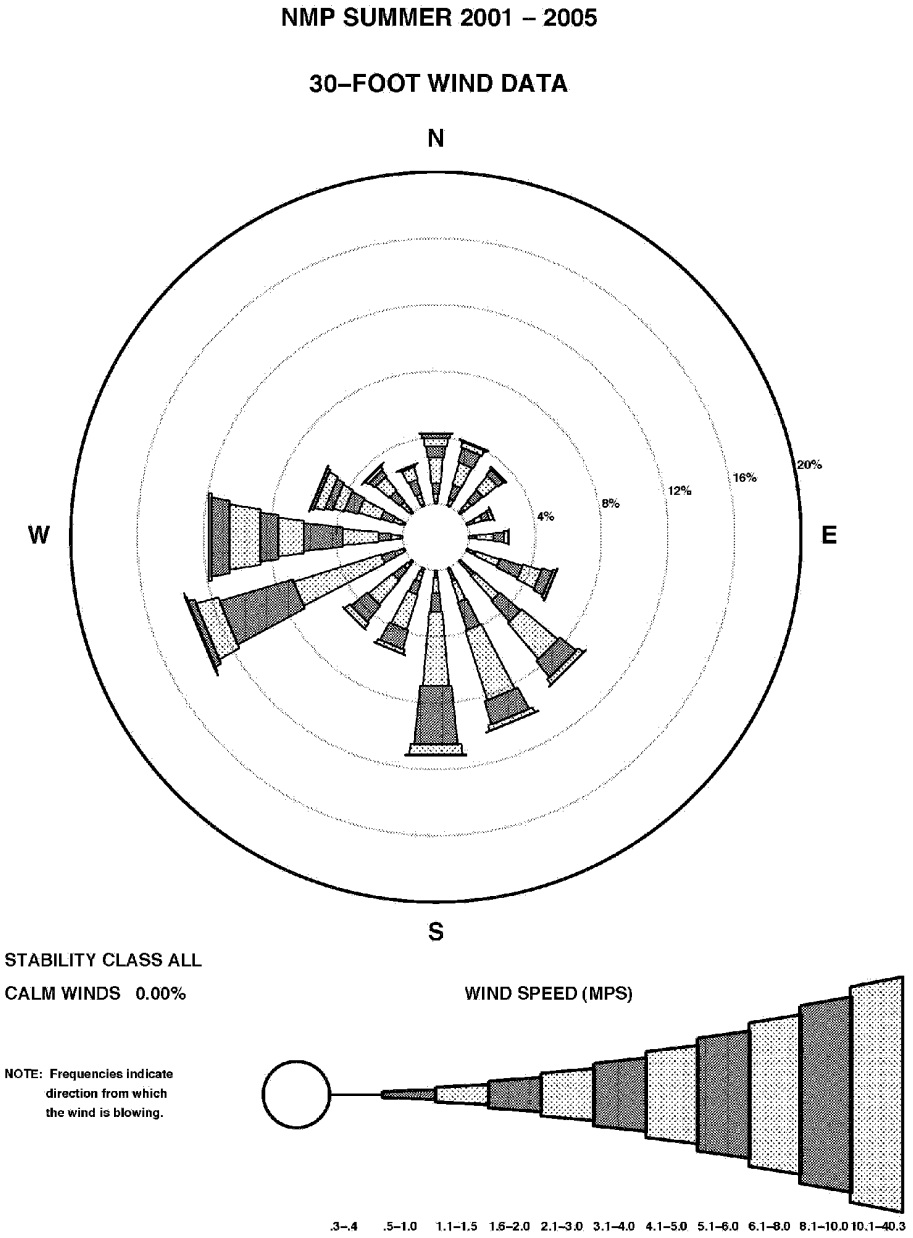

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Figure 2.3-11—{NMPNS 30 ft (9-m) Autumn Wind Rose}

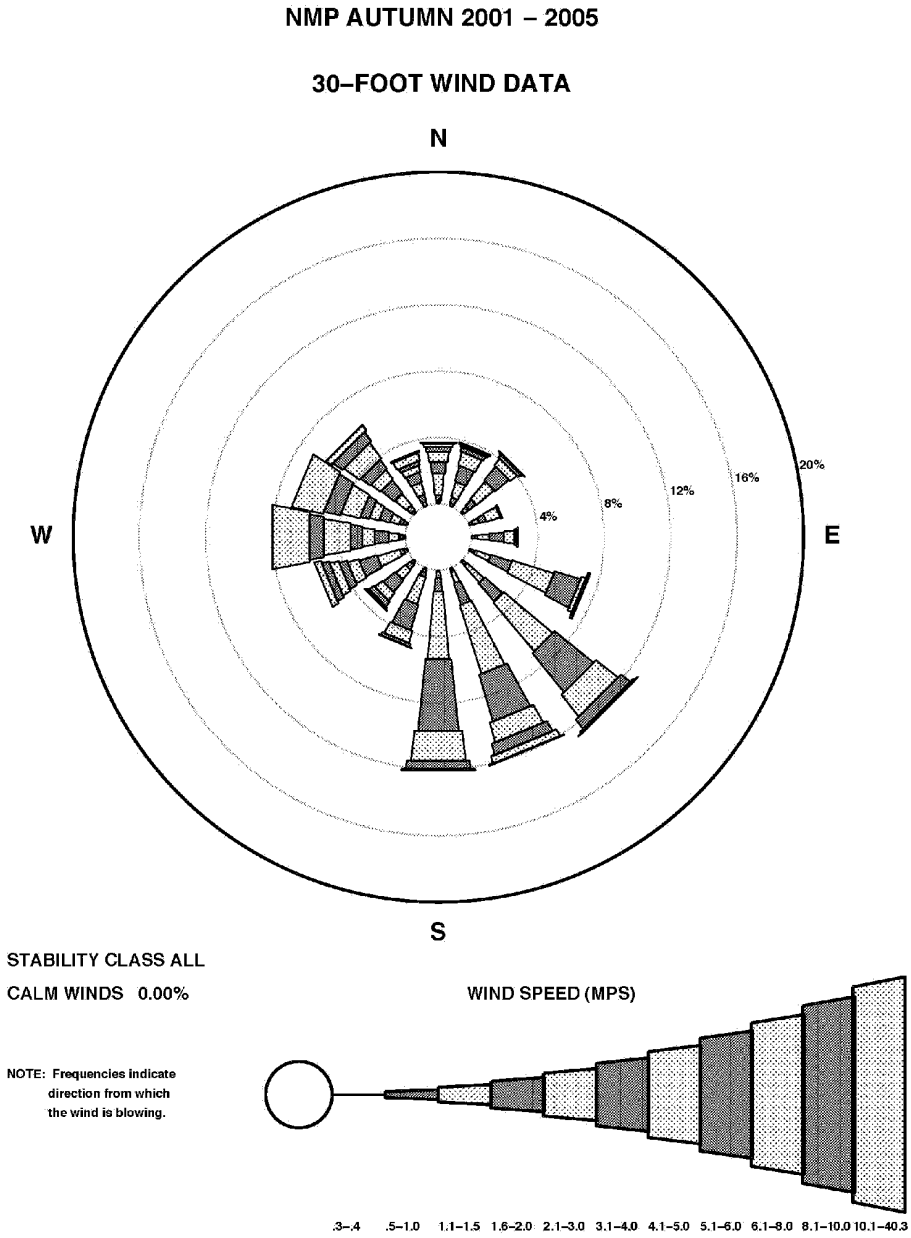

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Figure 2.3-12—{NMPNS 100 ft (30-m) Winter Wind Rose}

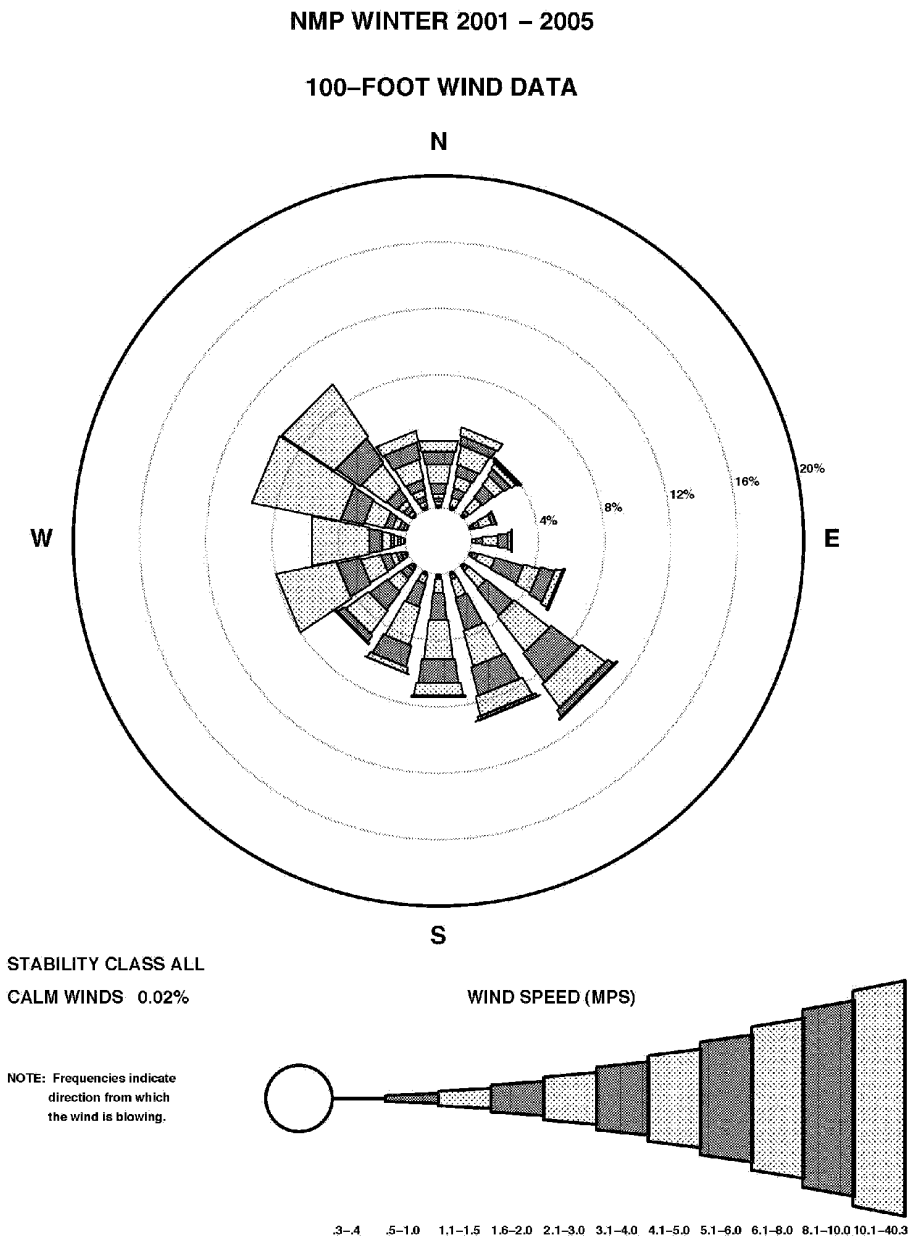

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Figure 2.3-13—{NMPNS 100 ft (30-m) Spring Wind Rose}

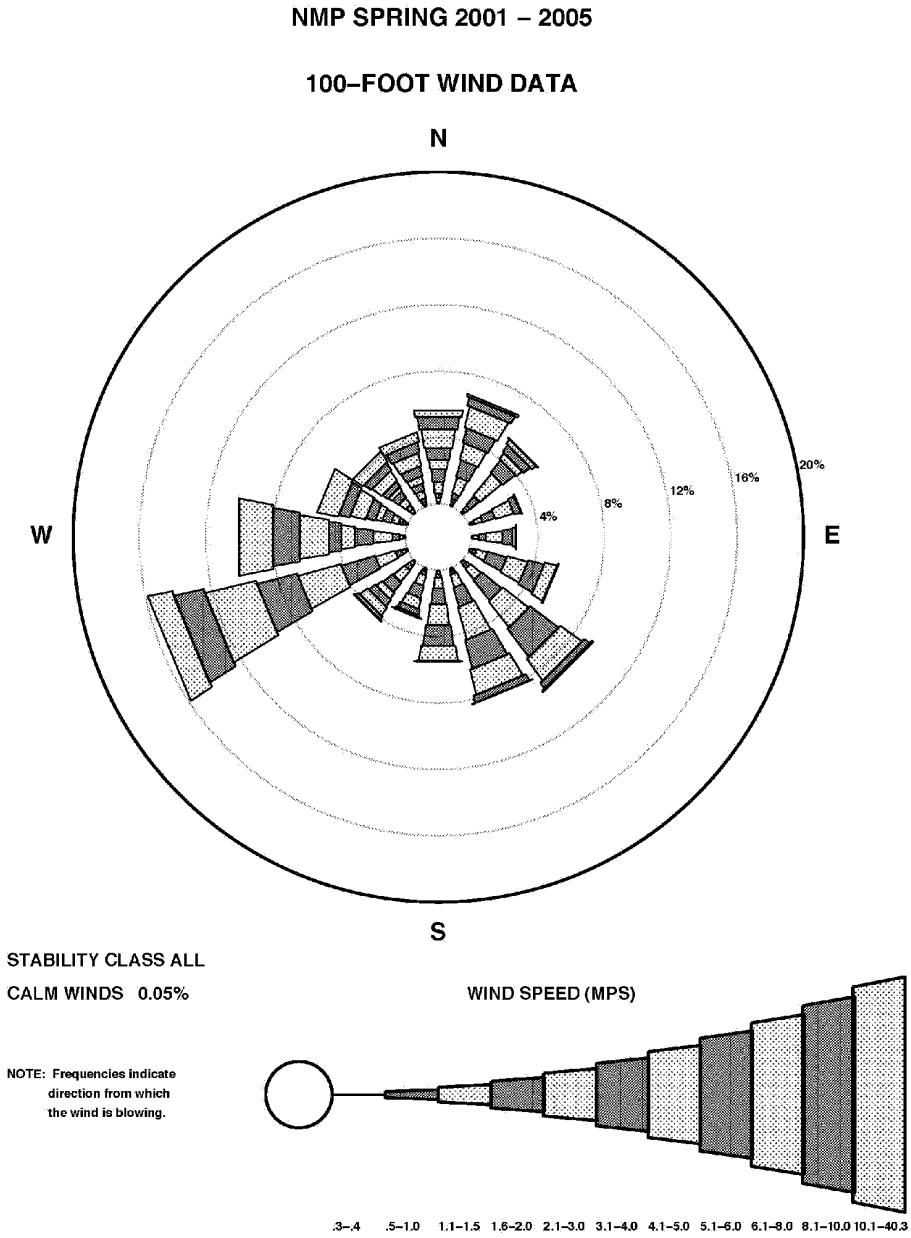

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Figure 2.3-14—{NMPNS 100 ft (30-m) Summer Wind Rose}

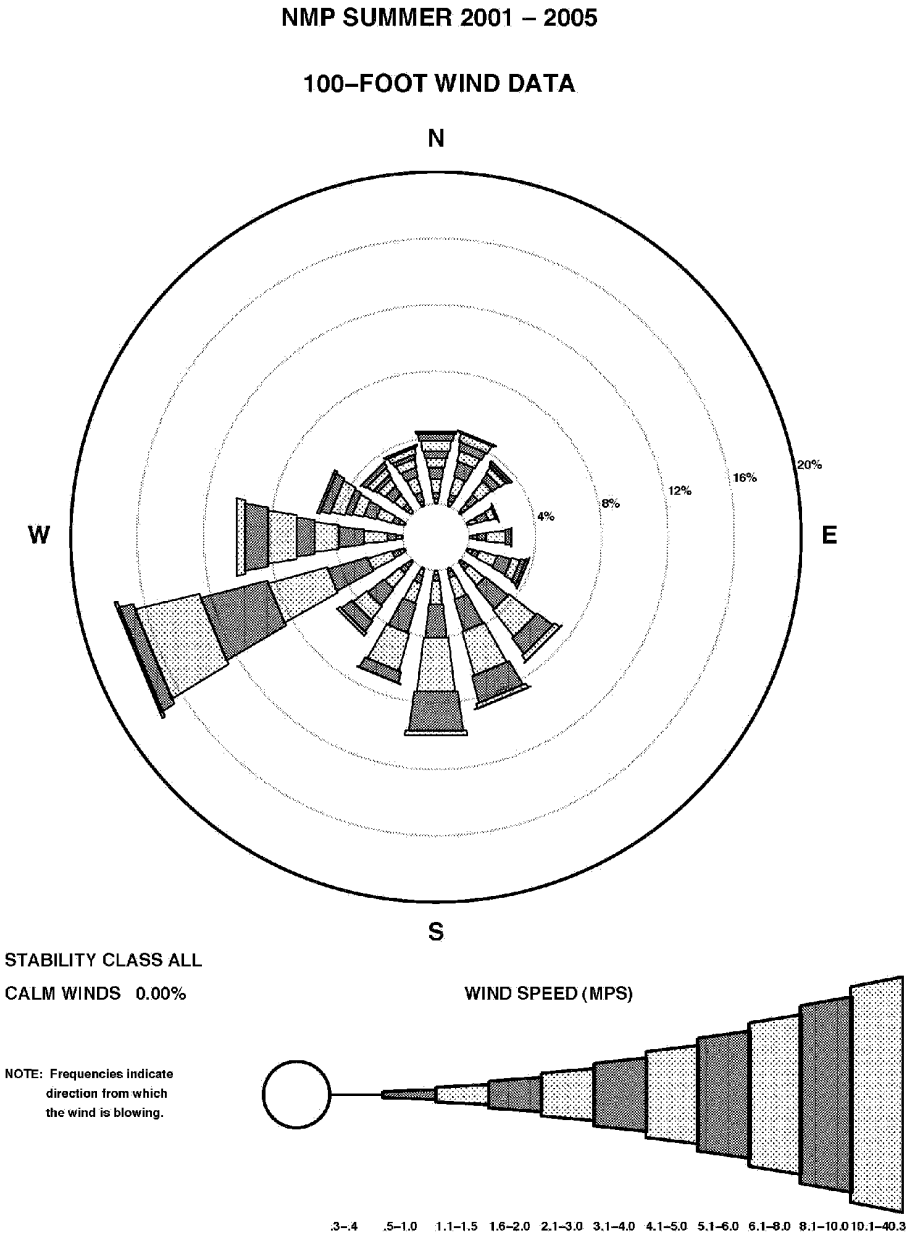

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Figure 2.3-15—{NMPNS 100 ft (30-m) Autumn Wind Rose}

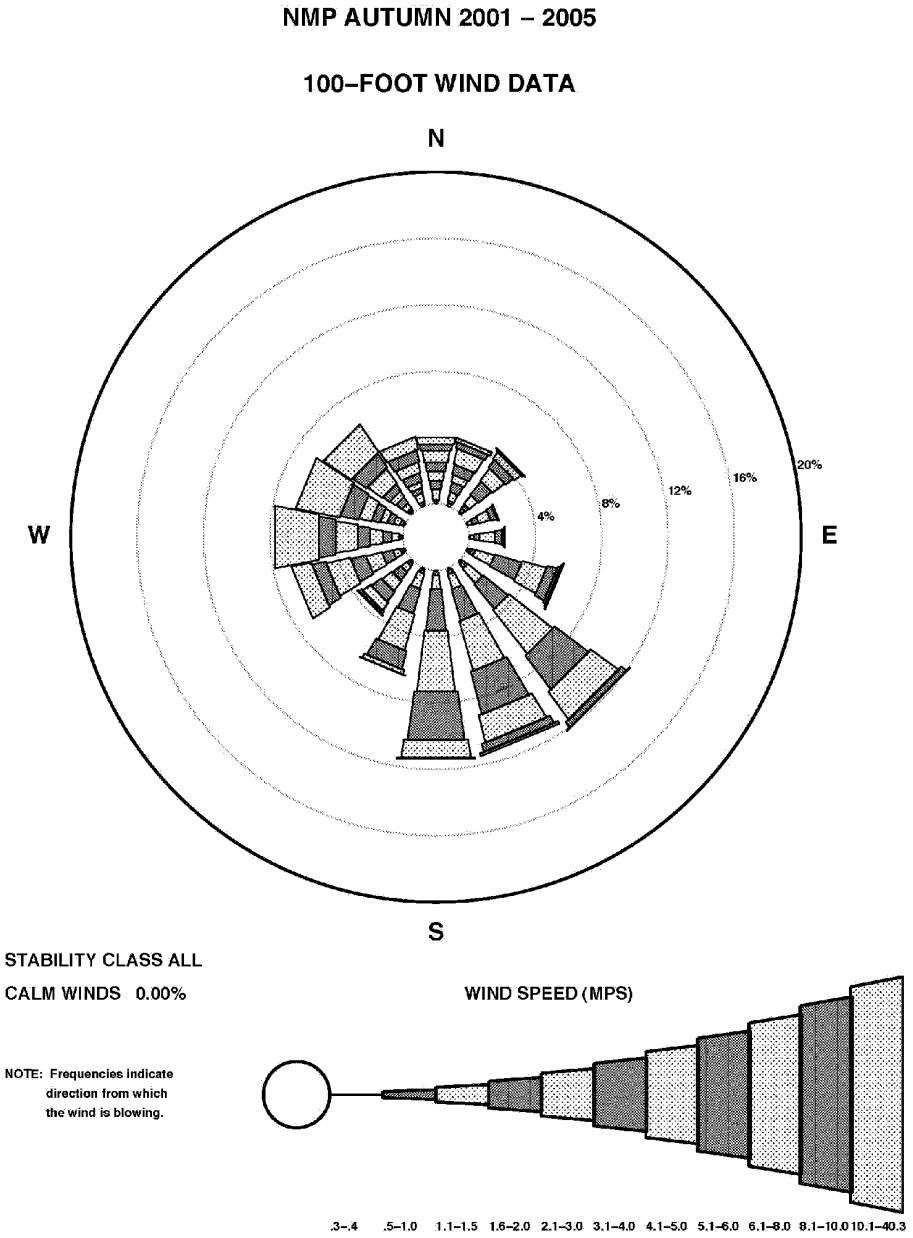

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Figure 2.3-16—{NMPNS 200 ft (61-m) Winter Wind Rose}

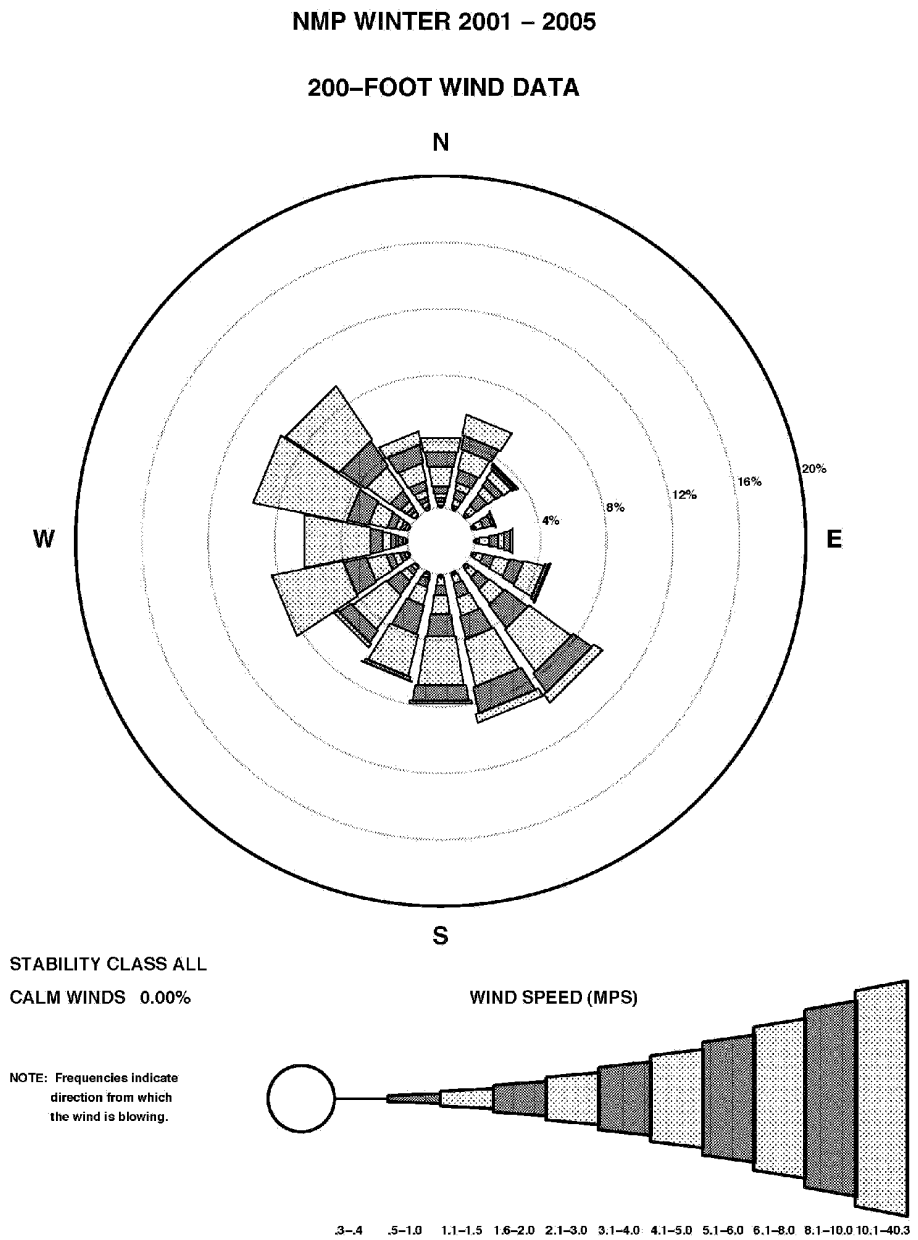

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Figure 2.3-17—{NMPNS 200 ft (61-m) Spring Wind Rose}

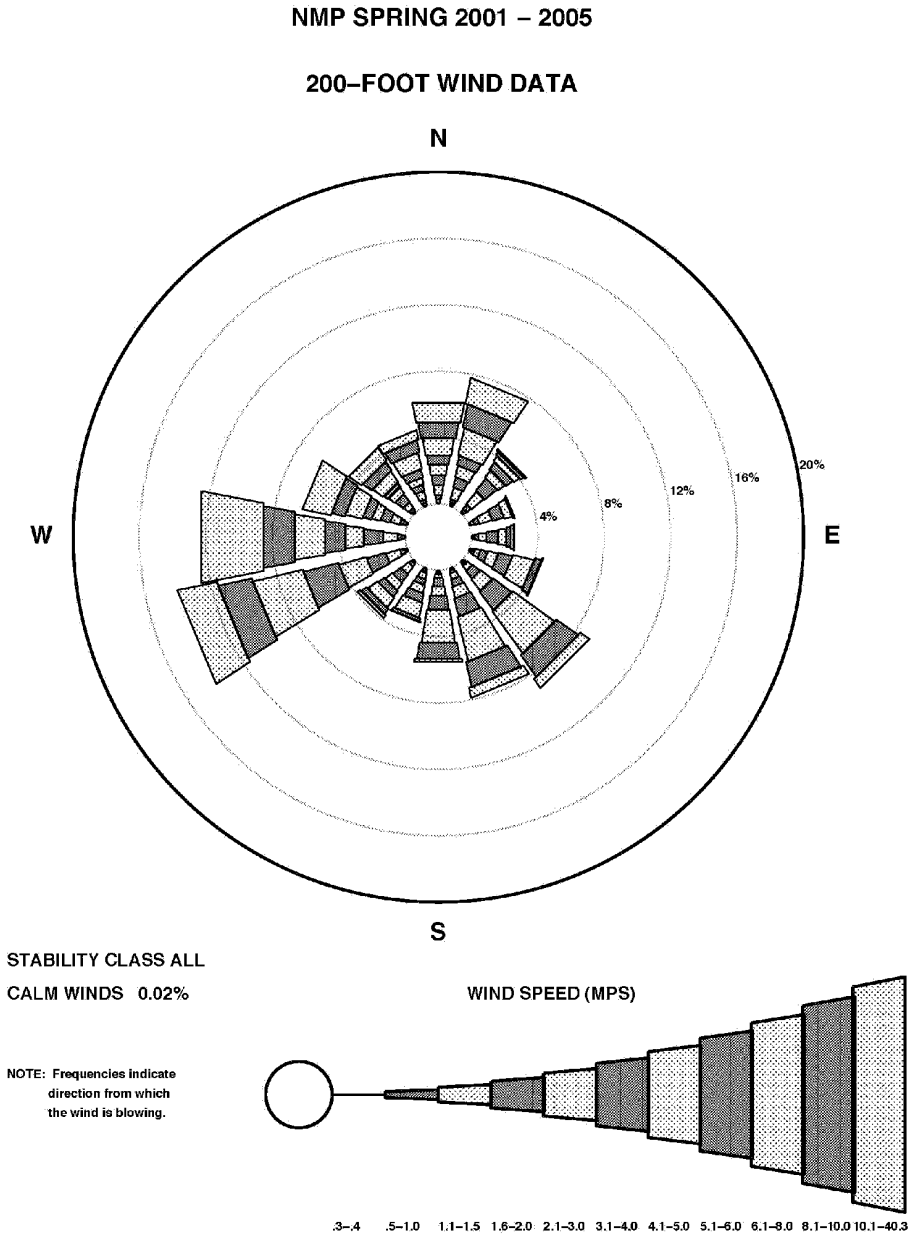

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Figure 2.3-18—{NMPNS 200 ft (61-m) Summer Wind Rose}

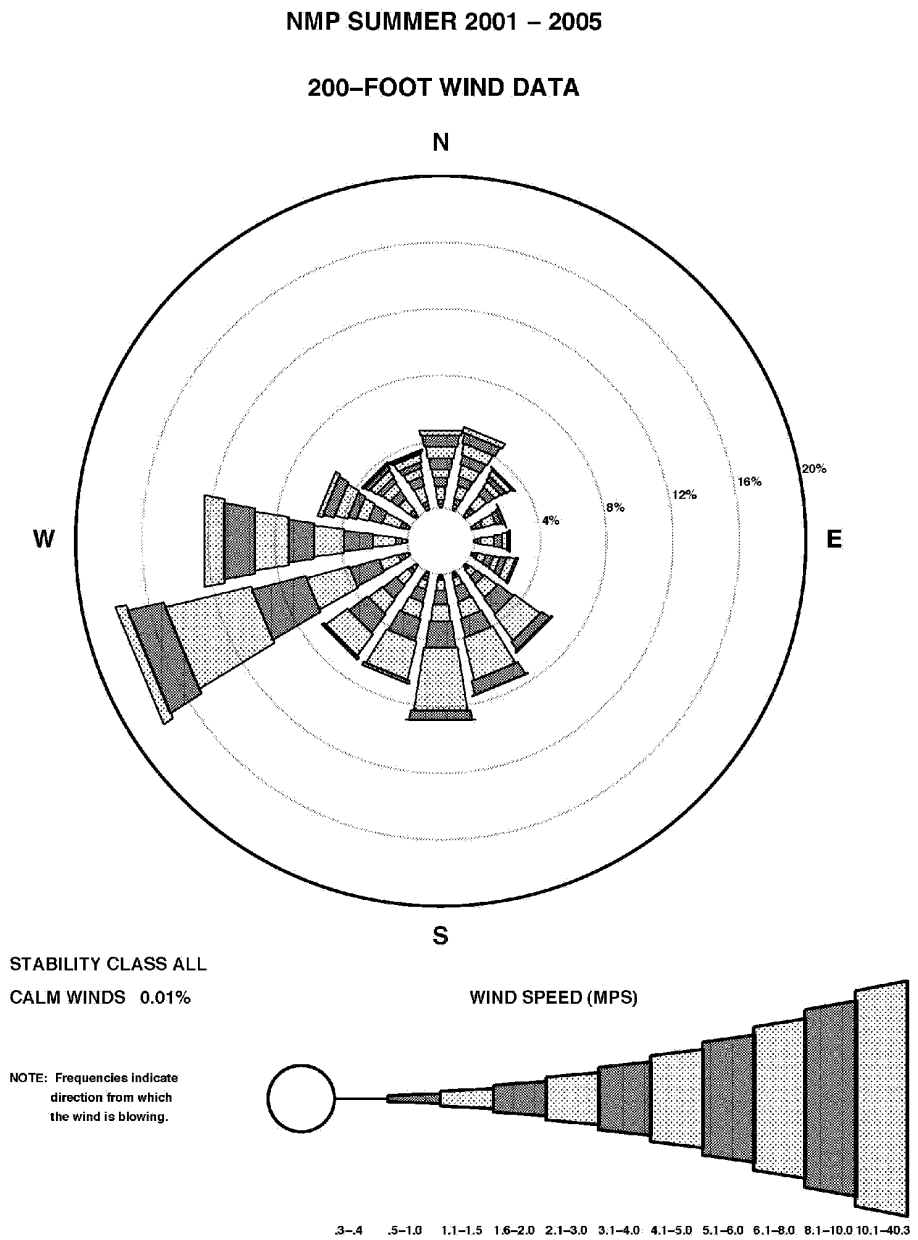

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Figure 2.3-19—{NMPNS 200 ft (61-m) Autumn Wind Rose}

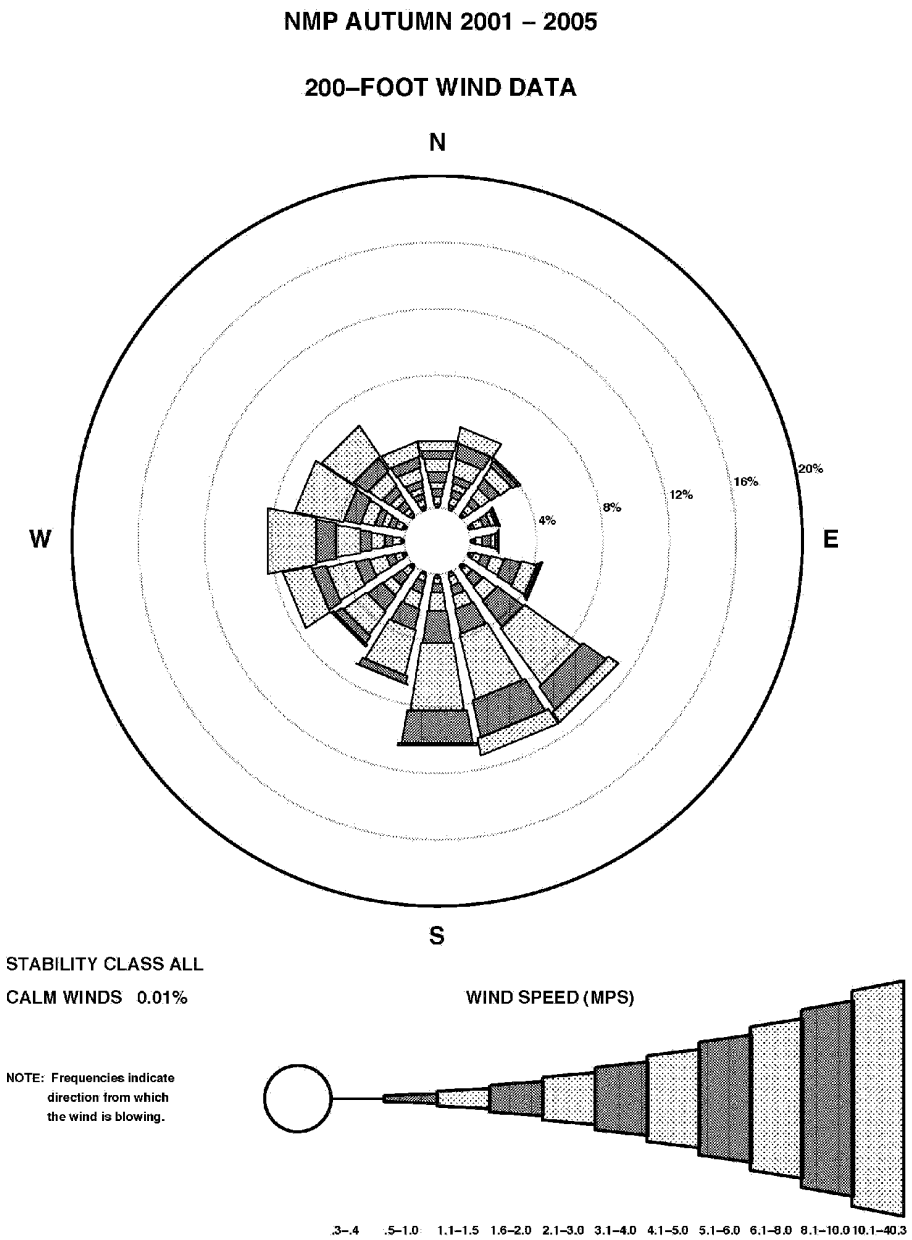

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Figure 2.3-20—{NMPNS 30 ft (9-m) January Wind Rose}

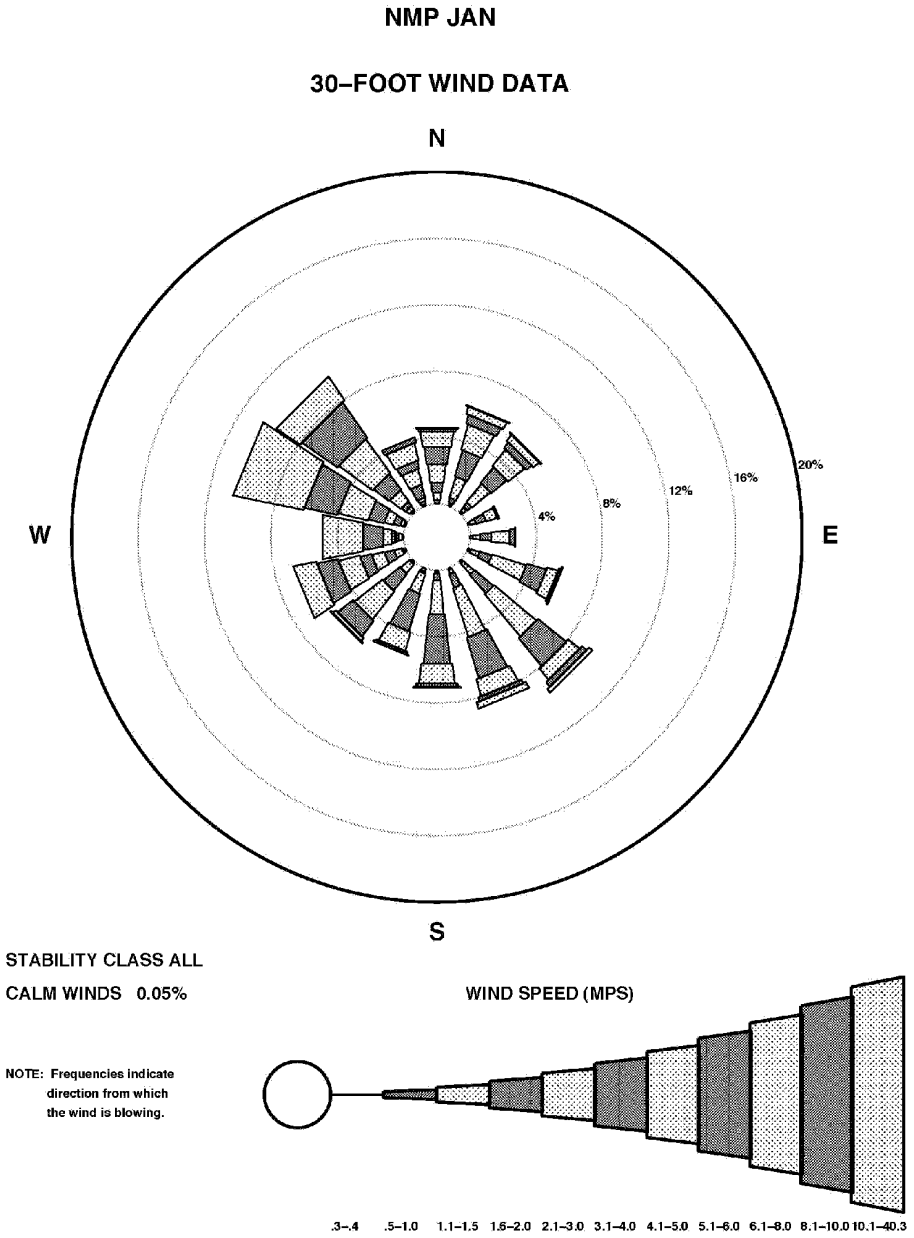

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Figure 2.3-21—{NMPNS 30 ft (9-m) February Wind Rose}

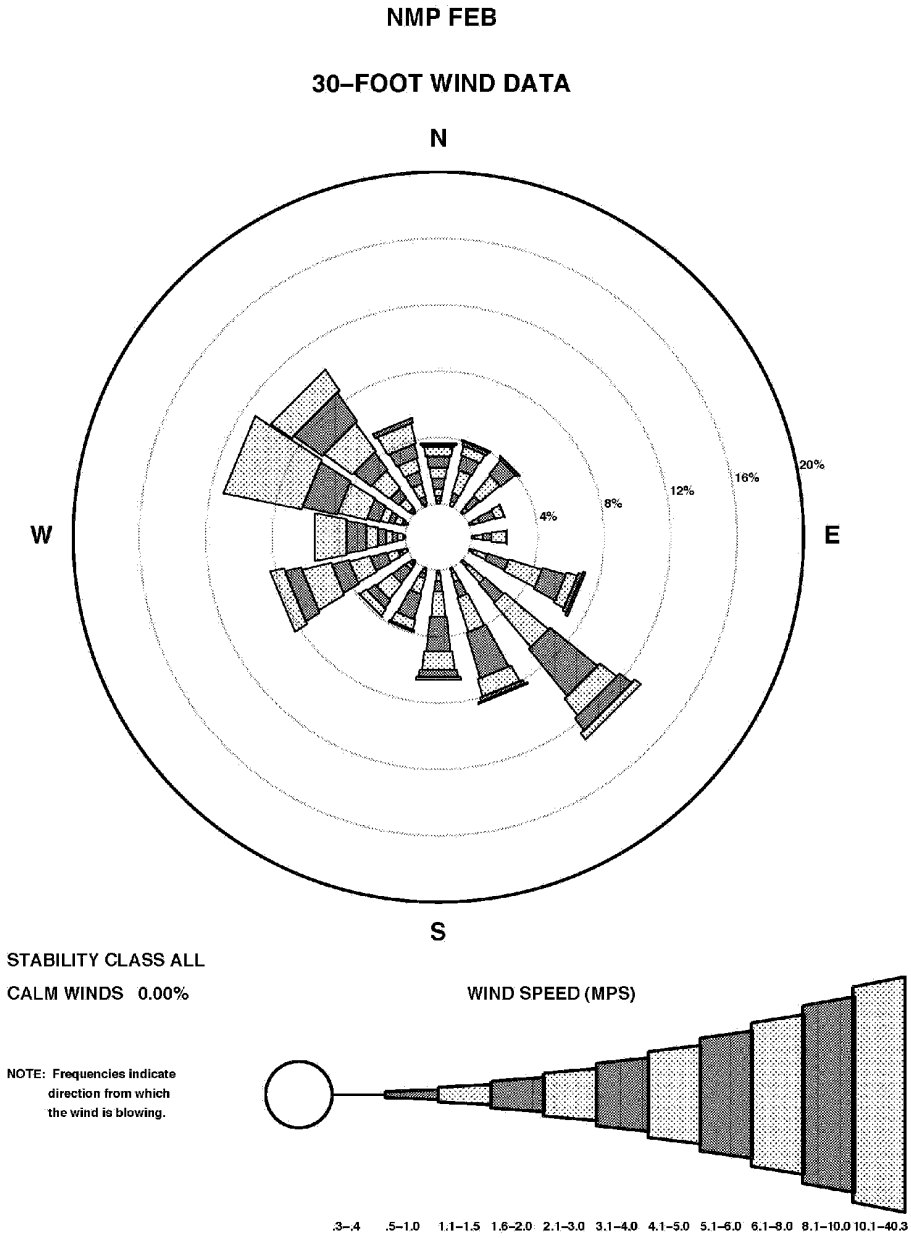

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Figure 2.3-22—{NMPNS 30 ft (9-m) March Wind Rose}

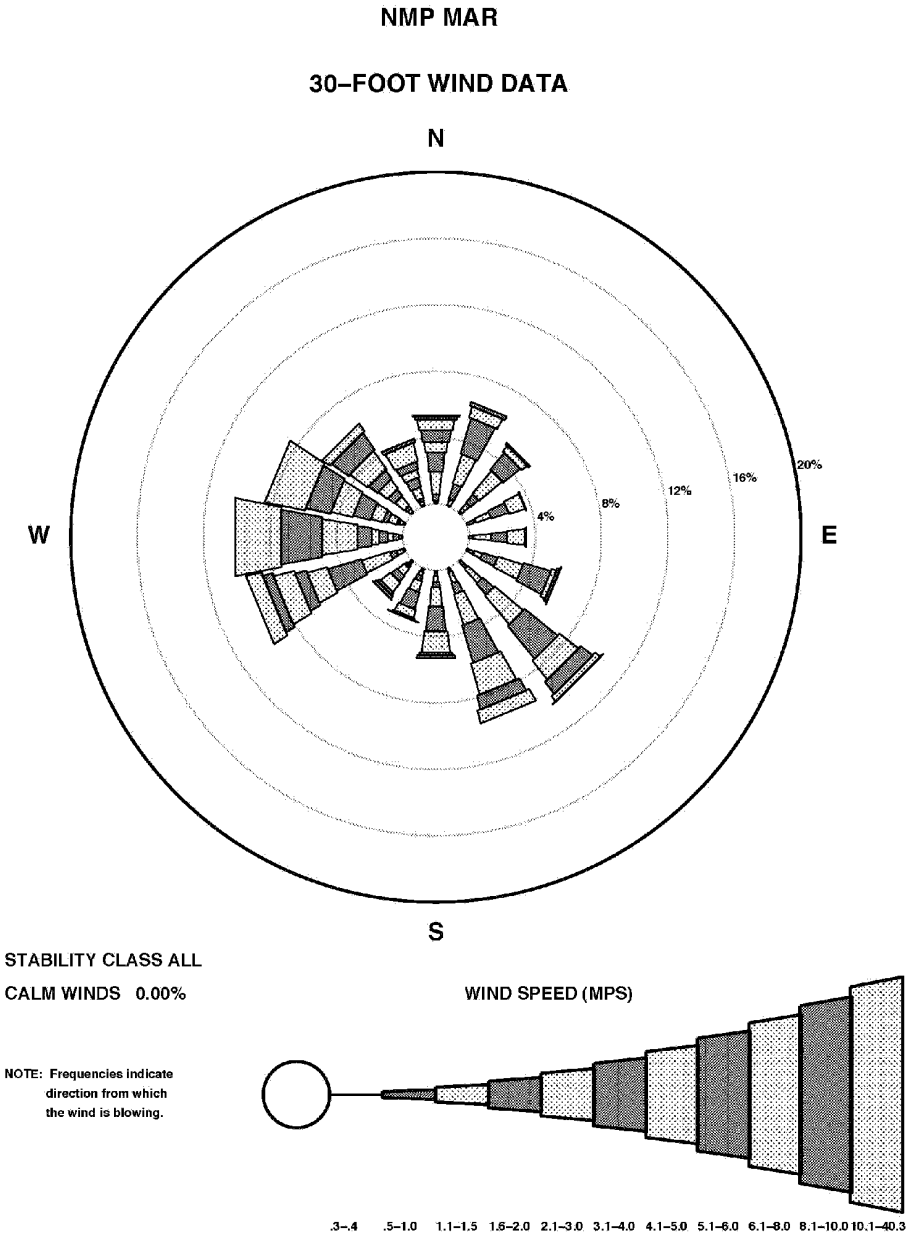

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Figure 2.3-23—{NMPNS 30 ft (9-m) April Wind Rose}

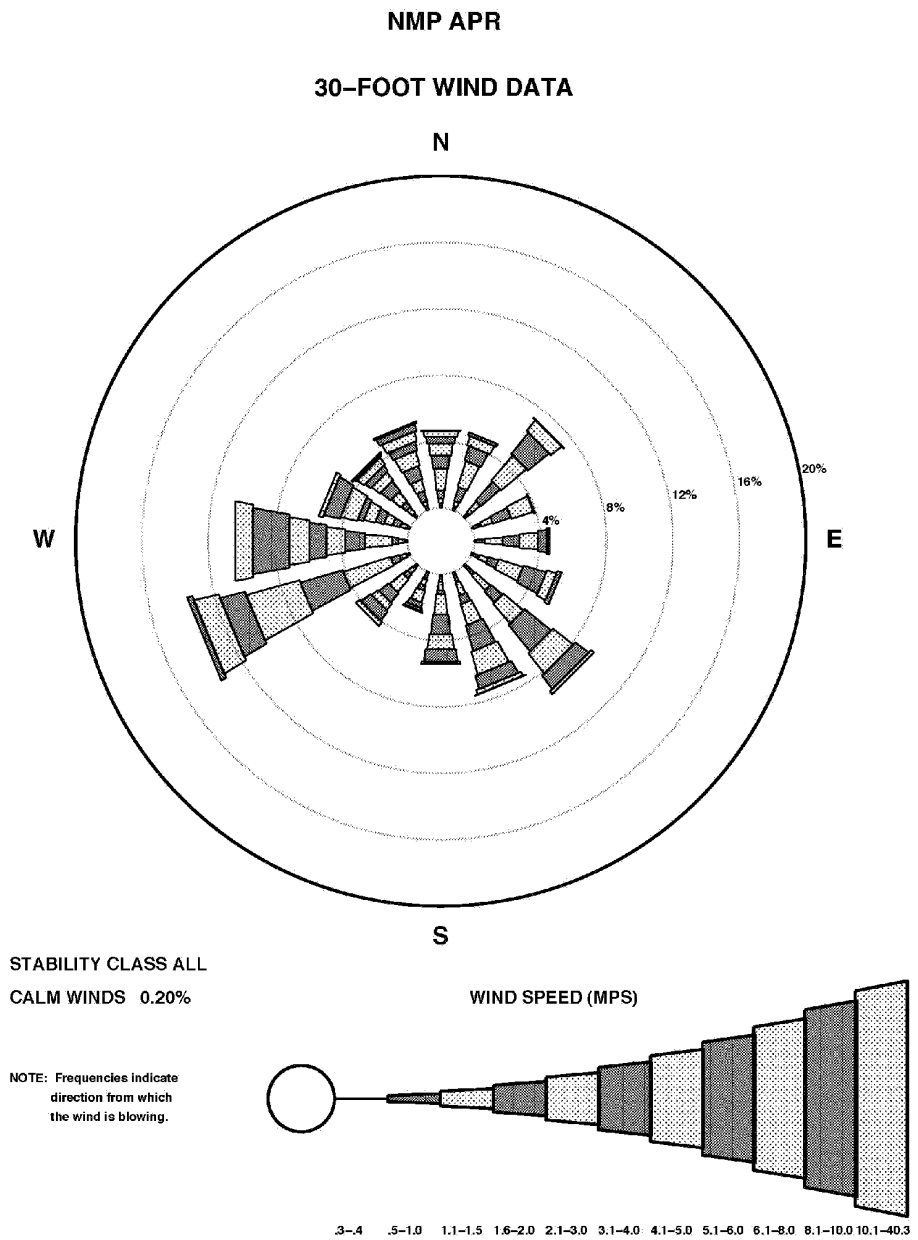

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Figure 2.3-24—{NMPNS 30 ft (9-m) May Wind Rose}

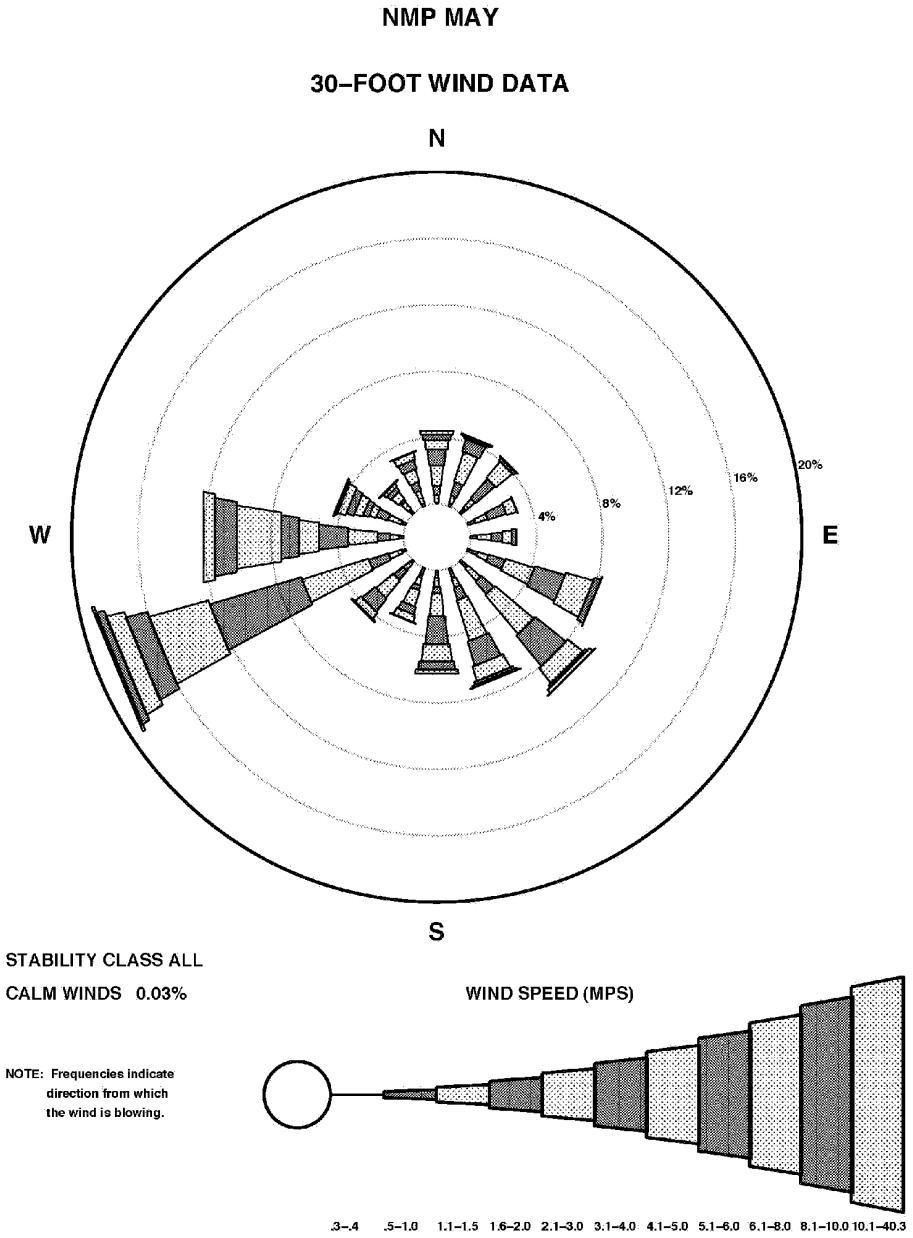

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Figure 2.3-25—{NMPNS 30 ft (9-m) June Wind Rose}

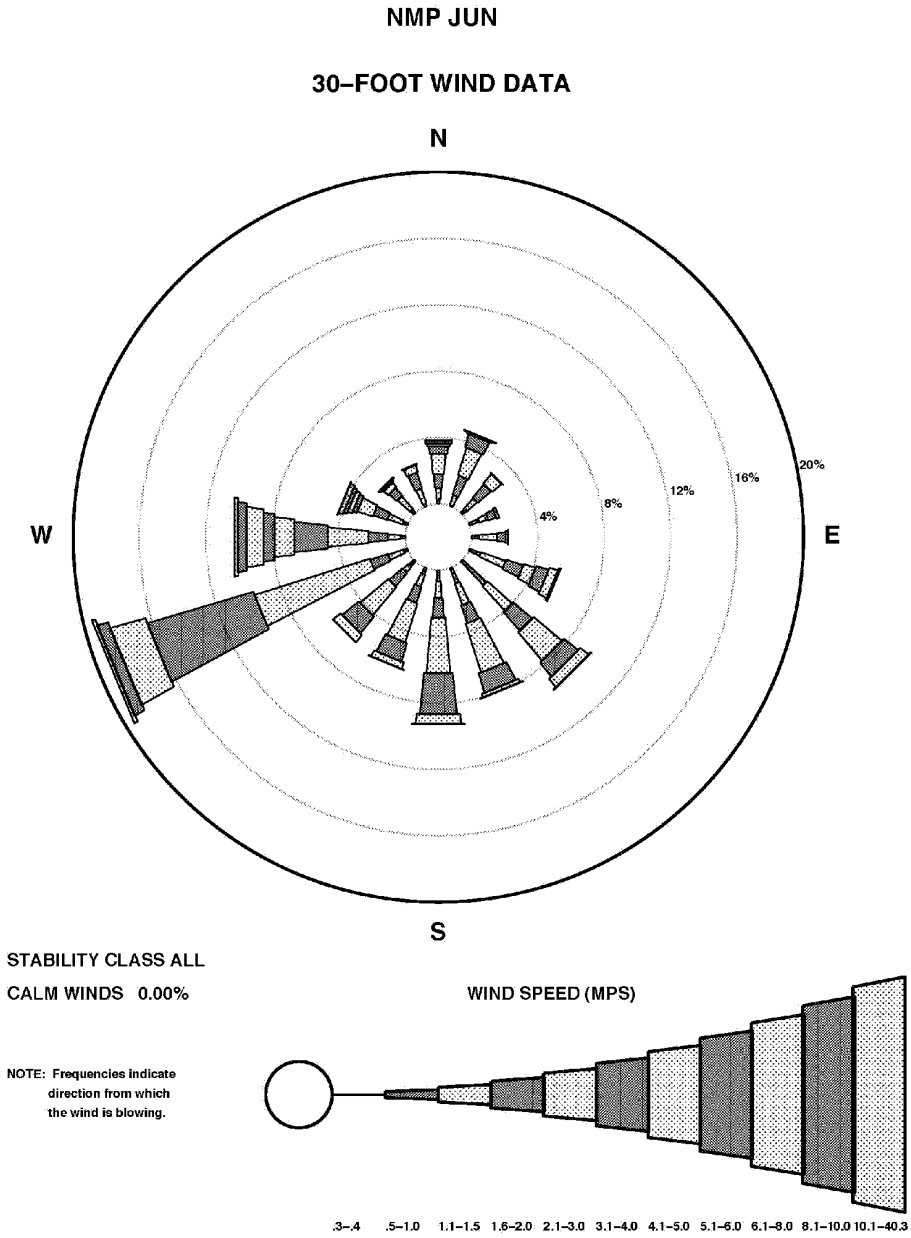

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Figure 2.3-26—{NMPNS 30 ft (9-m) July Wind Rose}

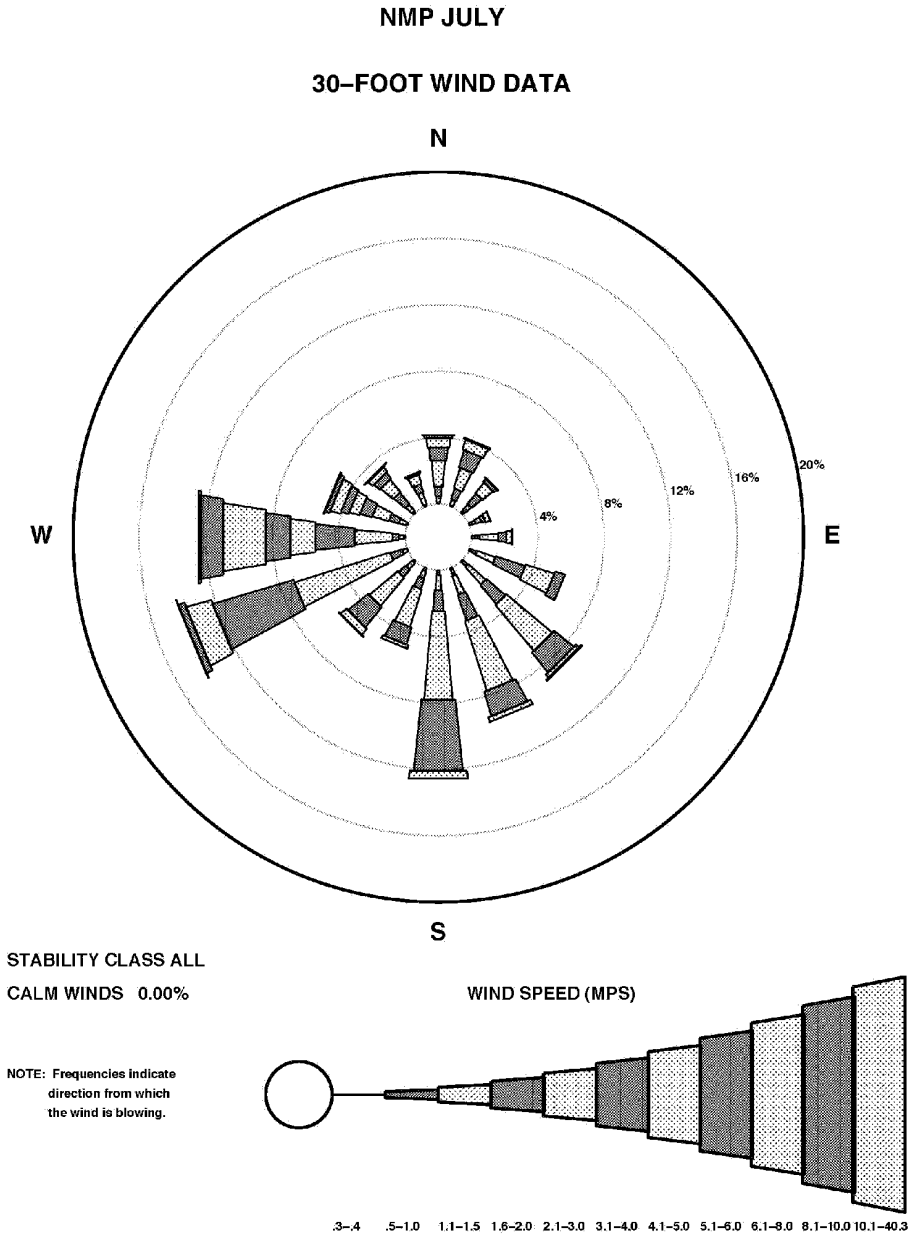

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Figure 2.3-27—{NMPNS 30 ft (9-m) August Wind Rose}

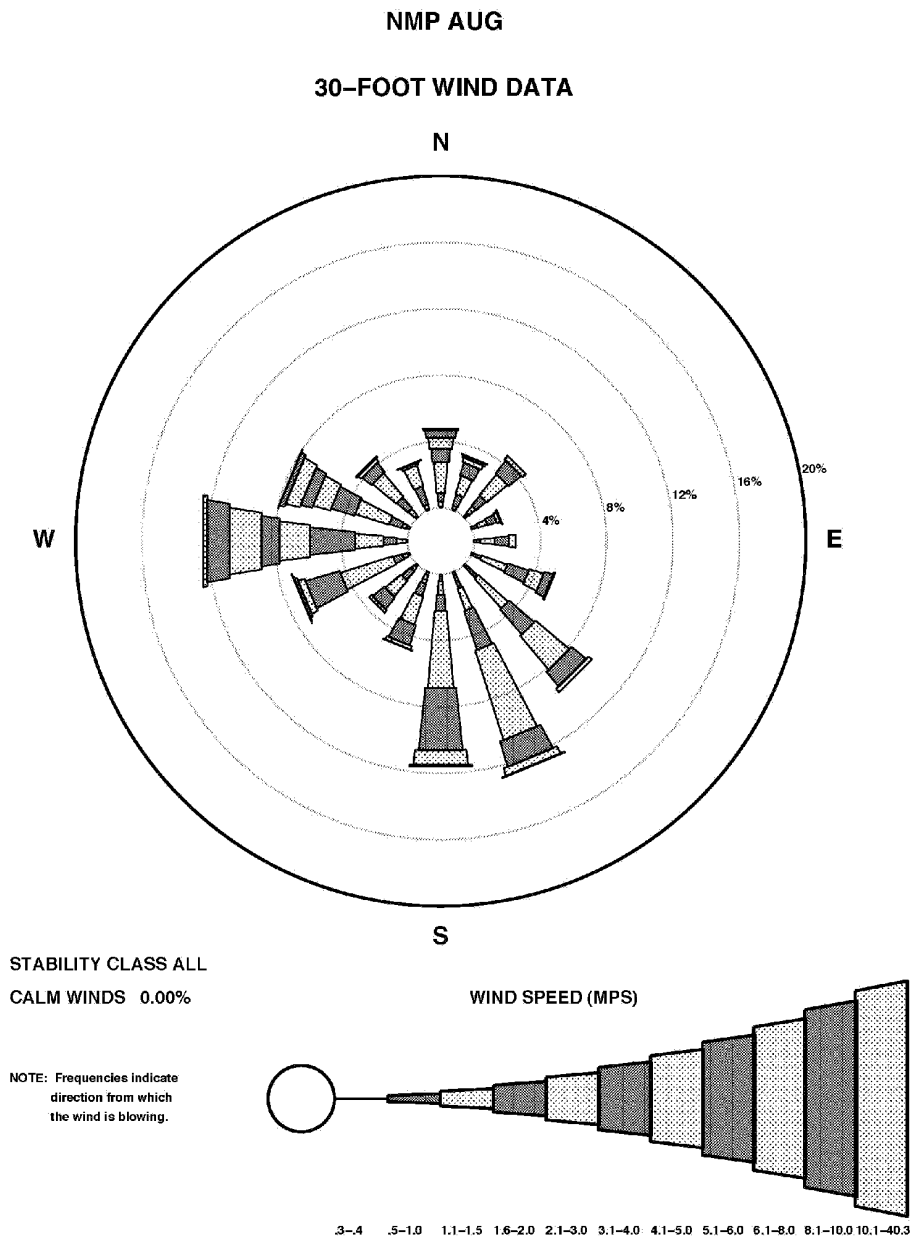

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Figure 2.3-28—{NMPNS 30 ft (9-m) September Wind Rose}

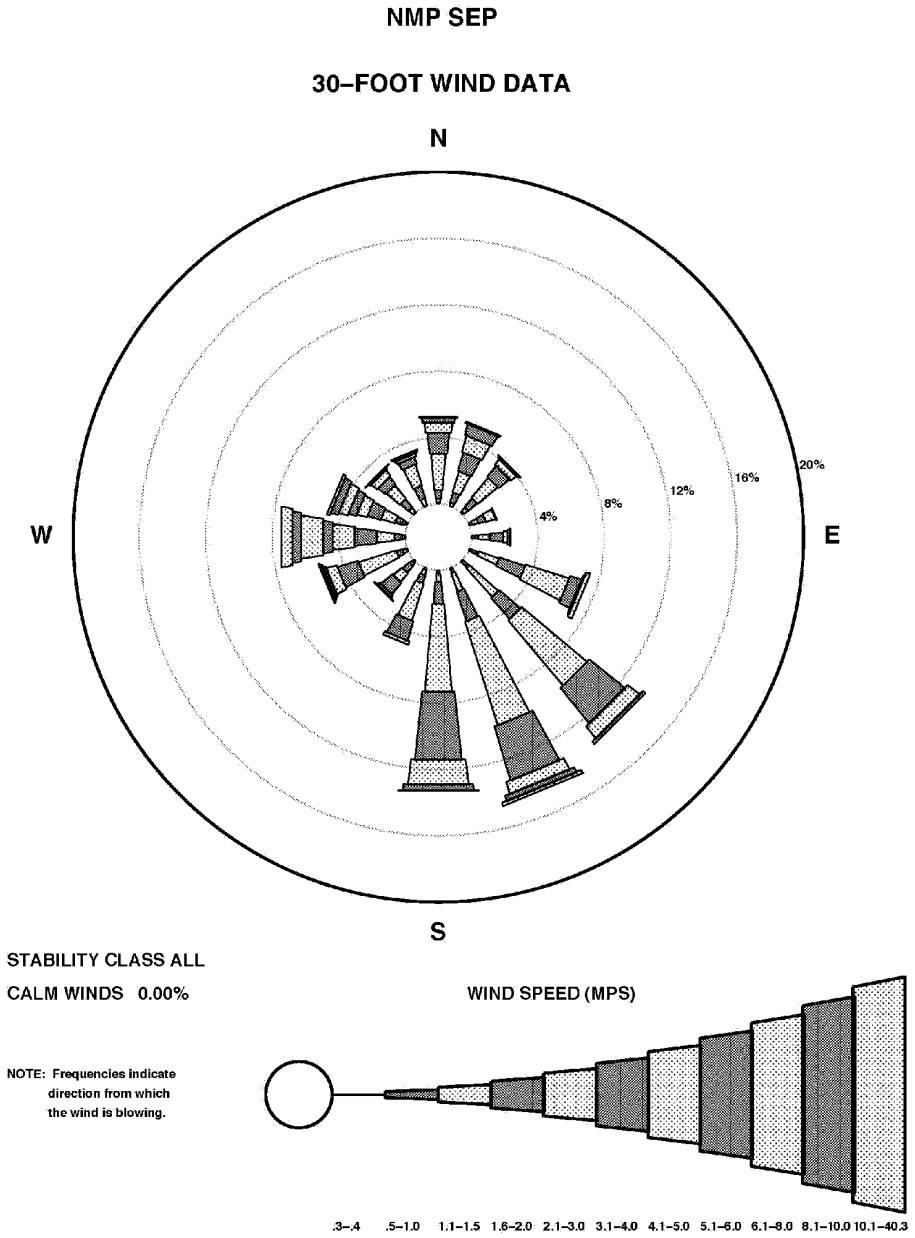

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Figure 2.3-29—{NMPNS 30 ft (9-m) October Wind Rose}

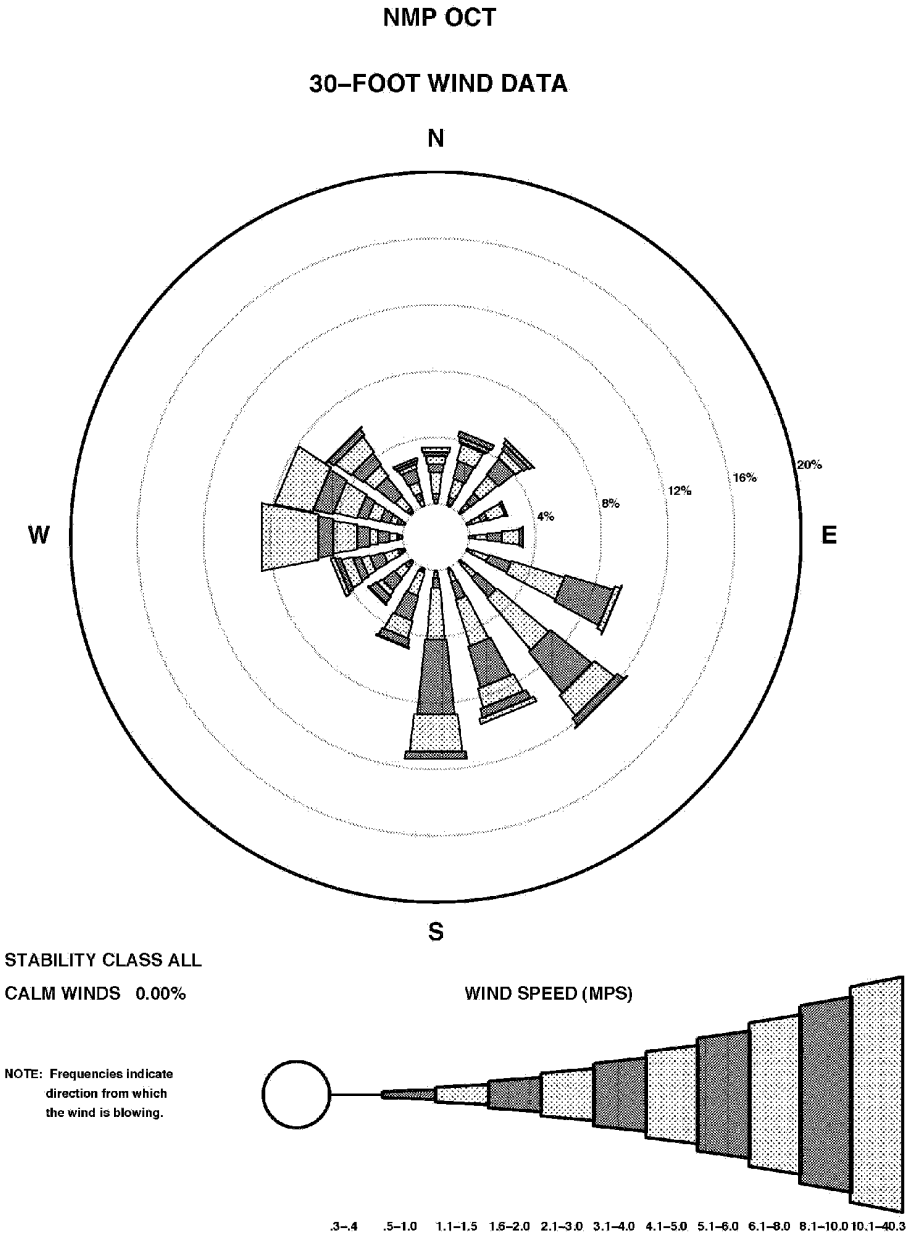

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Figure 2.3-30—{NMPNS 30 ft (9-m) November Wind Rose}

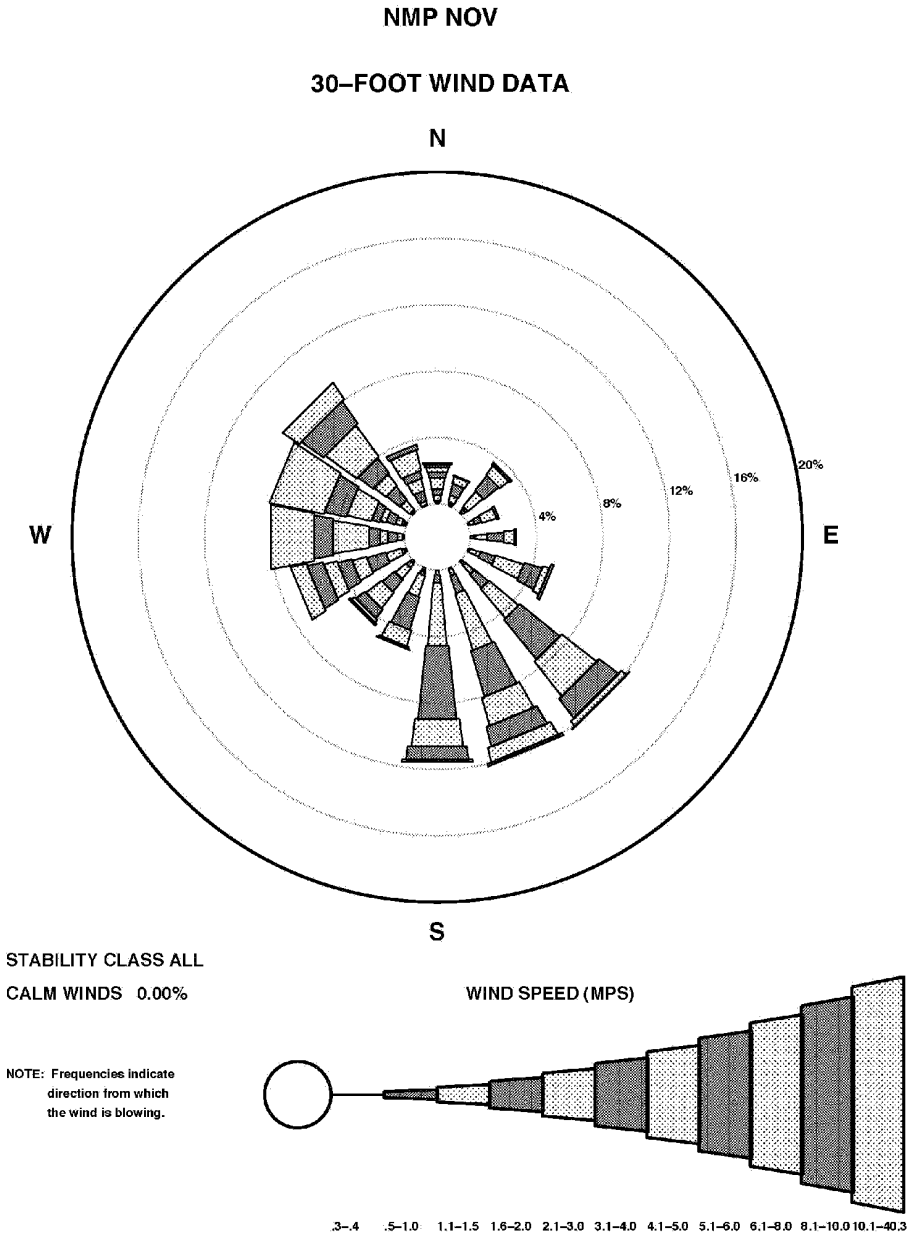

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Figure 2.3-31—{NMPNS 30 ft (9-m) December Wind Rose}

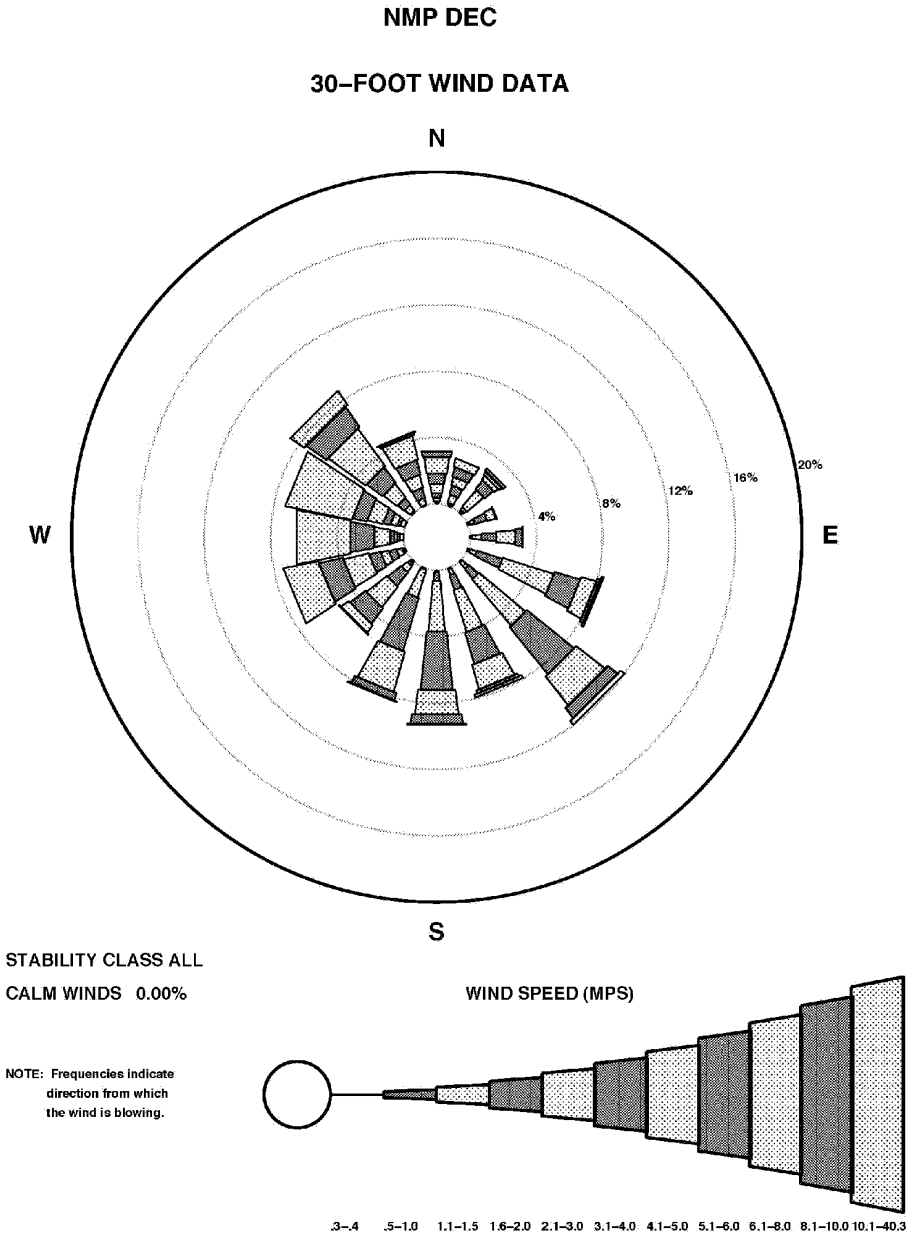

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Figure 2.3-32—{NMPNS 100 ft (30-m) January Wind Rose}

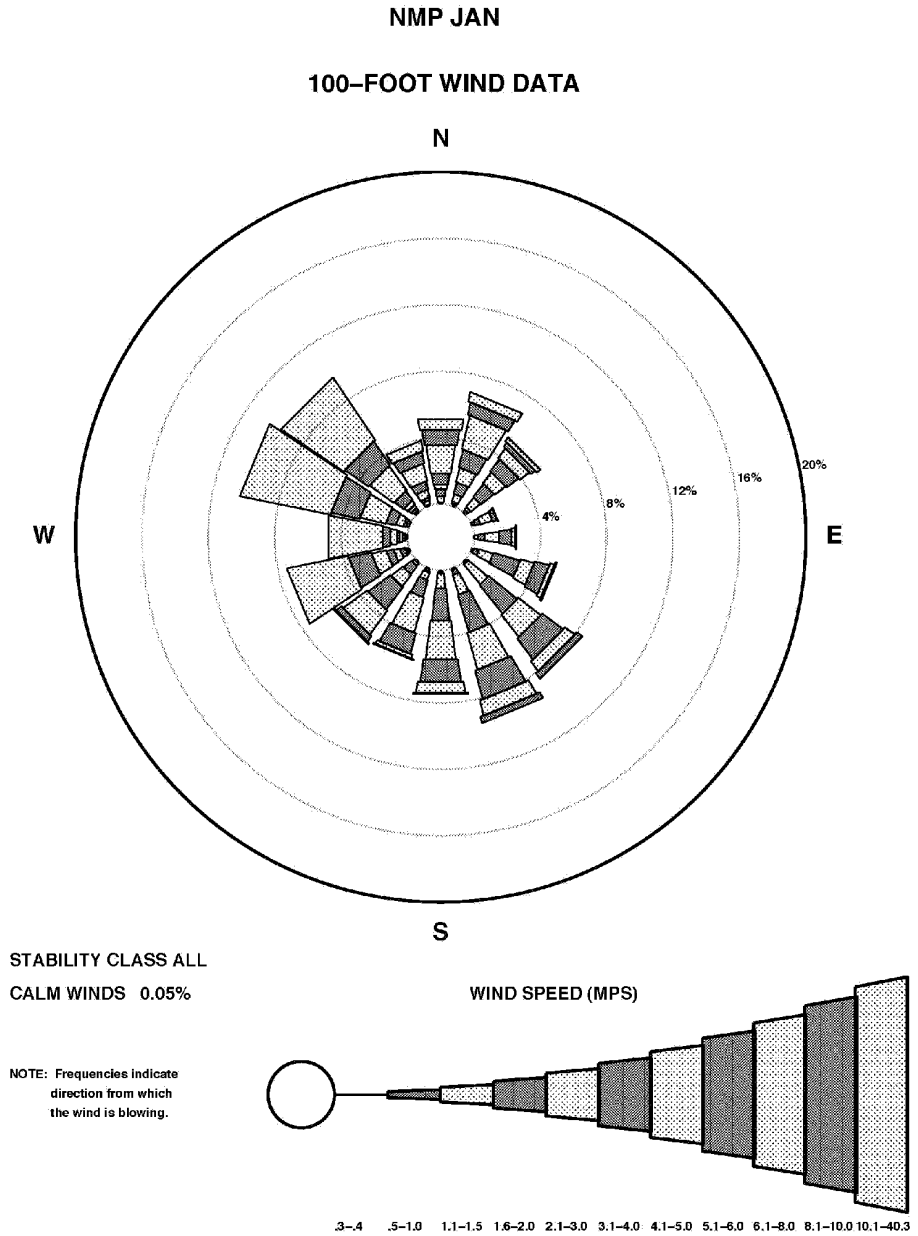

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Figure 2.3-33—{NMPNS 100 ft (30-m) February Wind Rose}

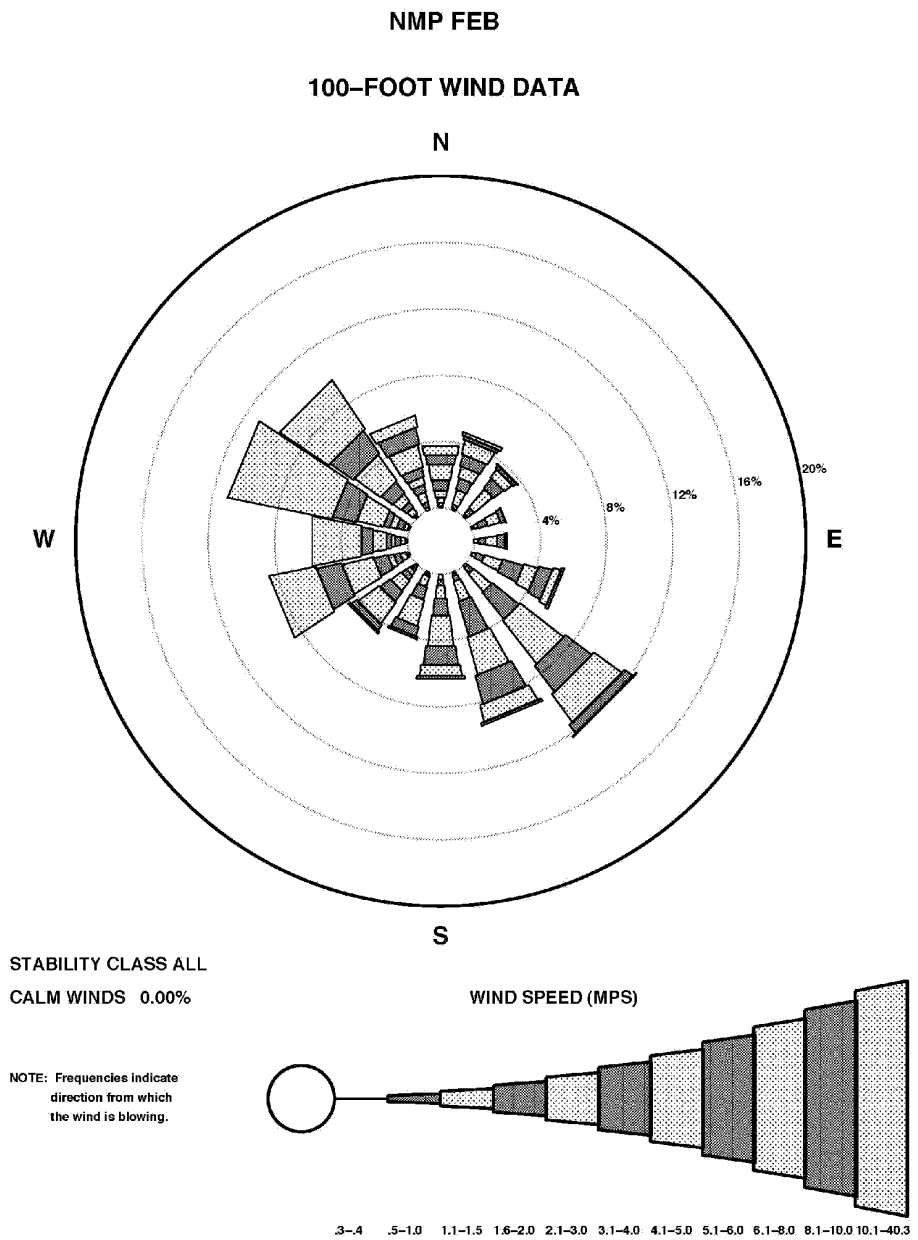

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Figure 2.3-34—{NMPNS 100 ft (30-m) March Wind Rose}

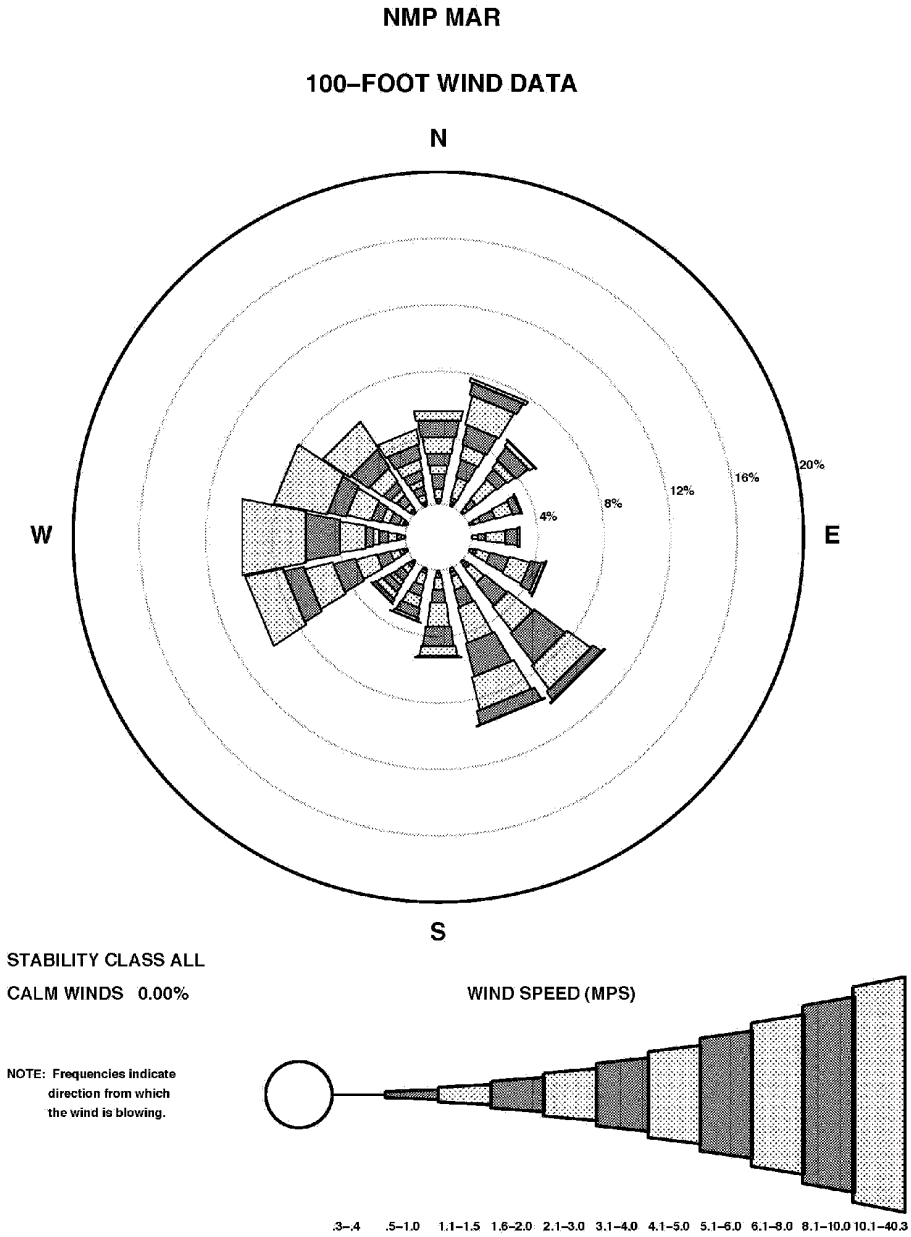

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Figure 2.3-35—{NMPNS 100 ft (30-m) April Wind Rose}

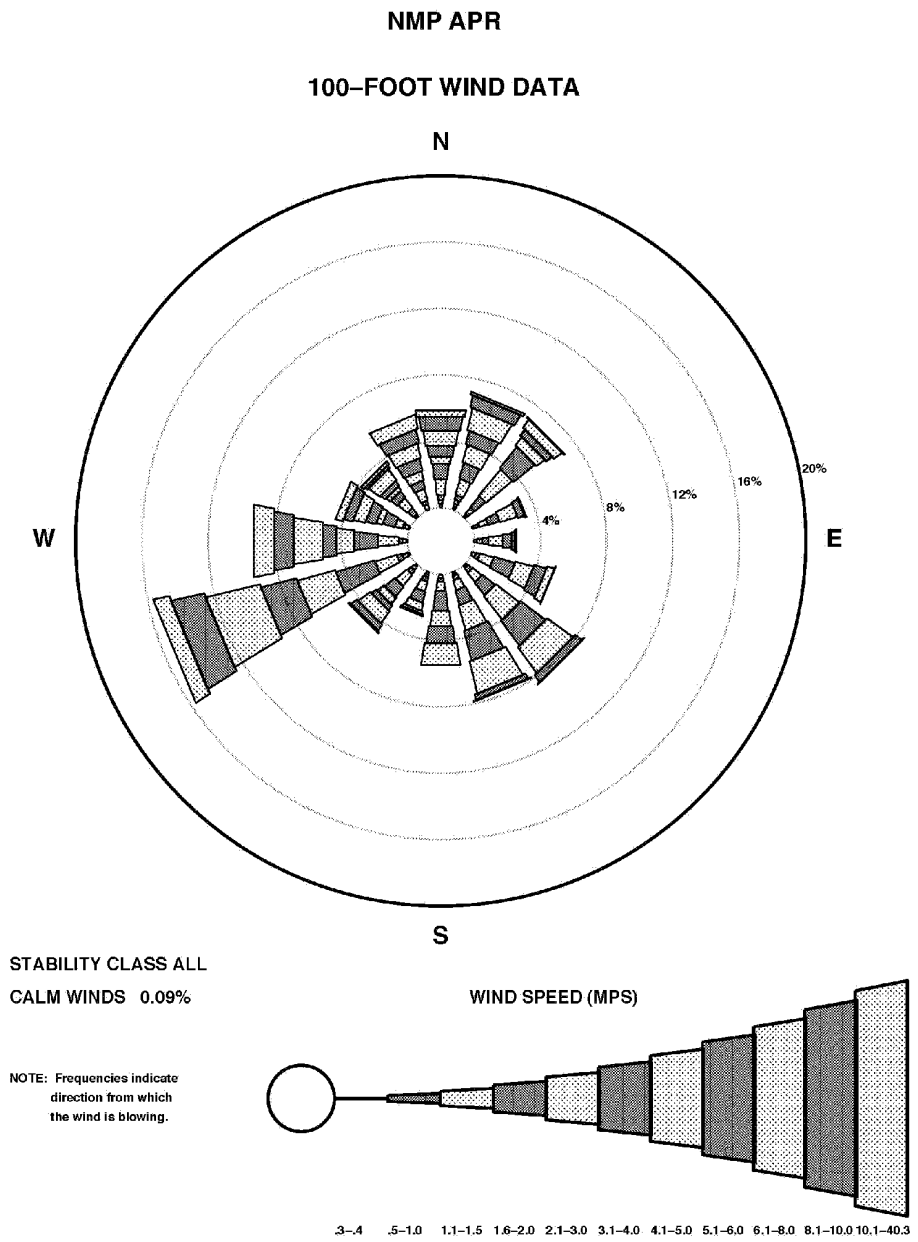

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Figure 2.3-36—{NMPNS 100 ft (30-m) May Wind Rose}

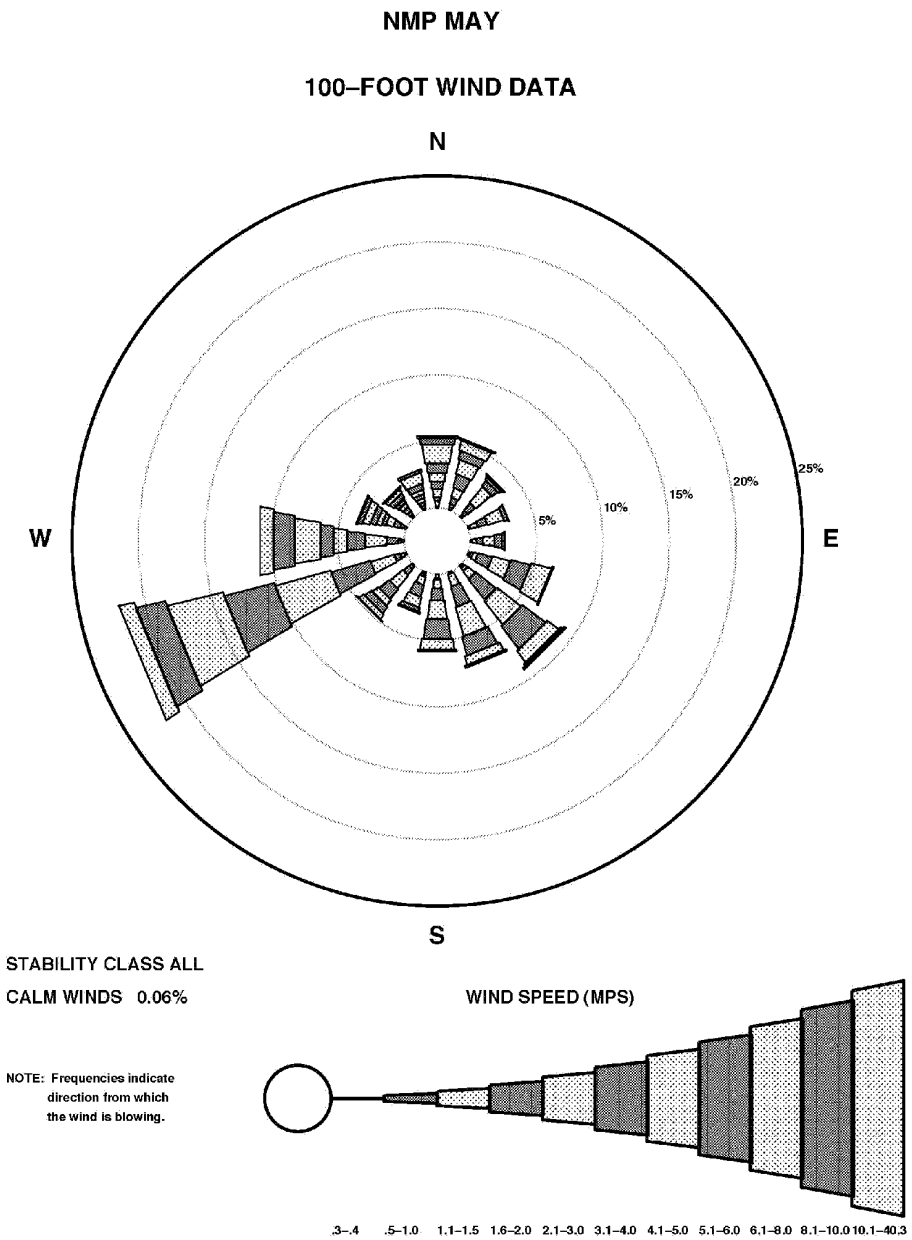

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Figure 2.3-37—{NMPNS 100 ft (30-m) June Wind Rose}

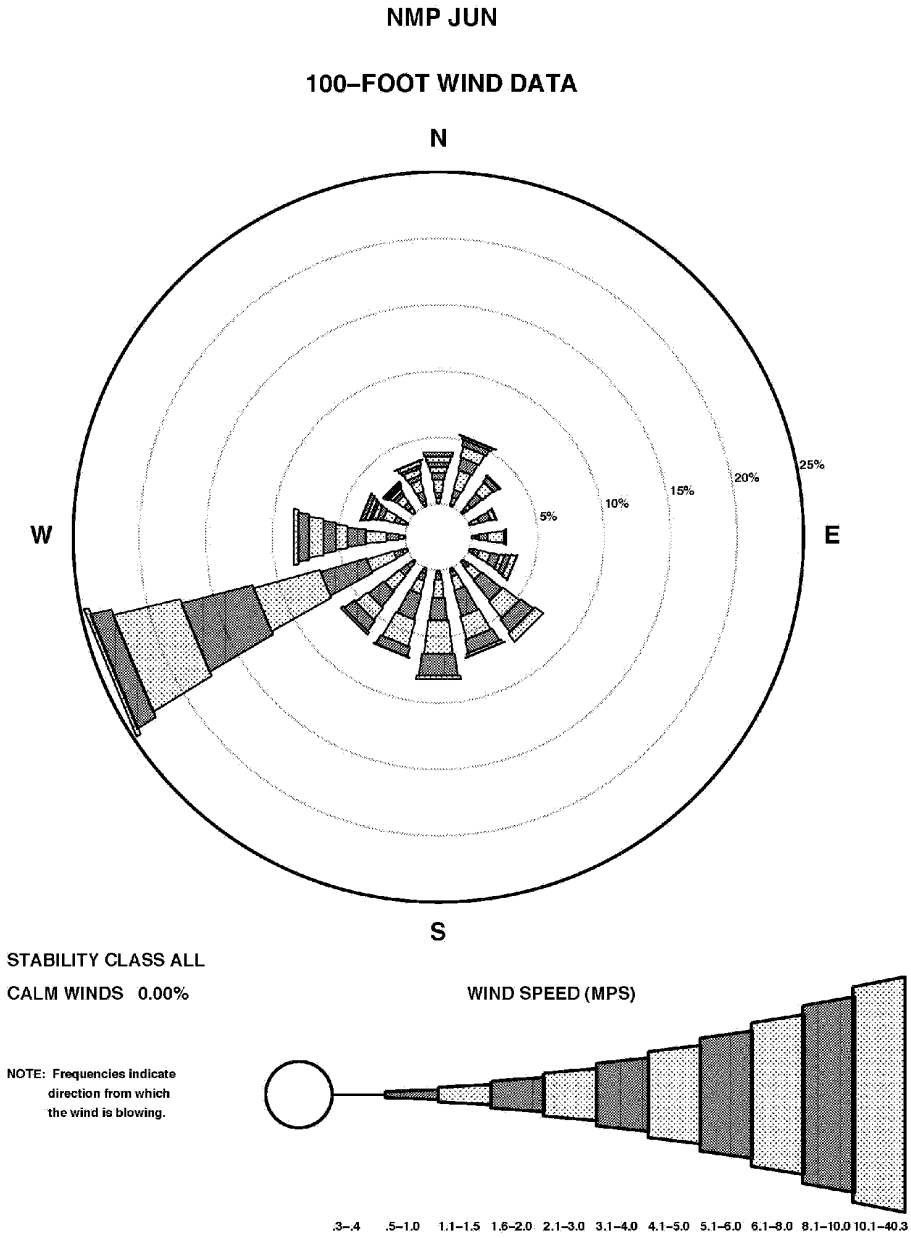

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Figure 2.3-38—{NMPNS 100 ft (30-m) July Wind Rose}

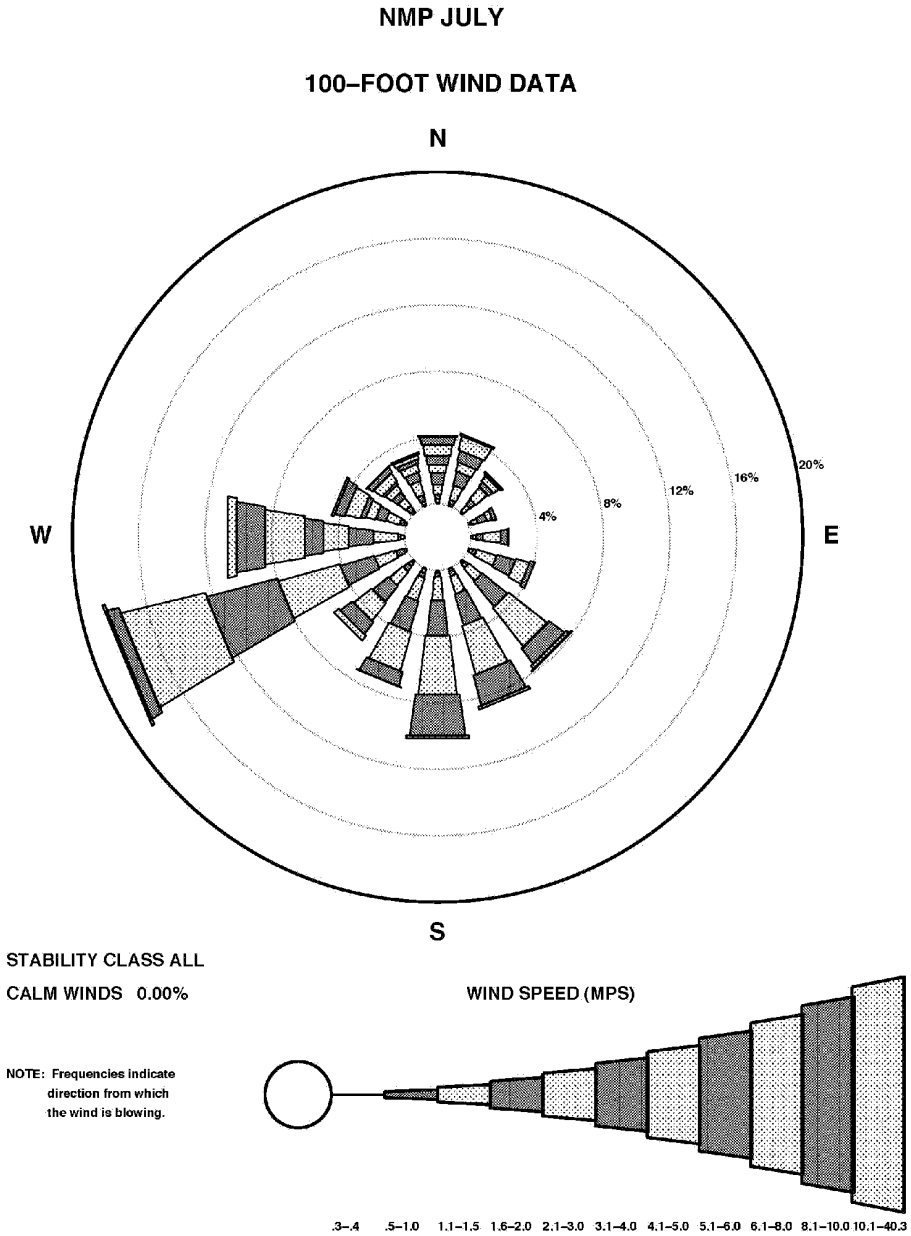

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Figure 2.3-39—{NMPNS 100 ft (30-m) August Wind Rose}

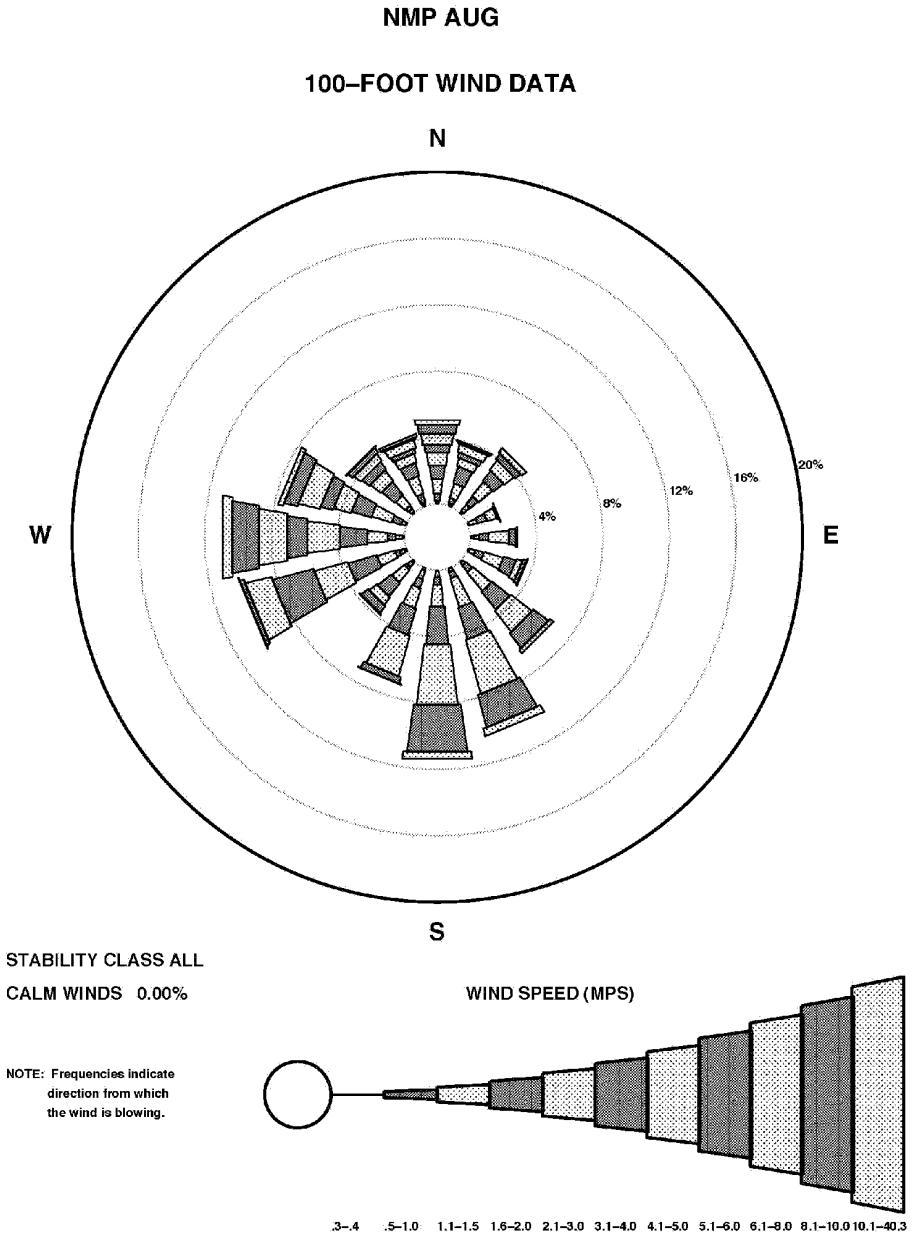

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Figure 2.3-40—{NMPNS 100 ft (30-m) September Wind Rose}

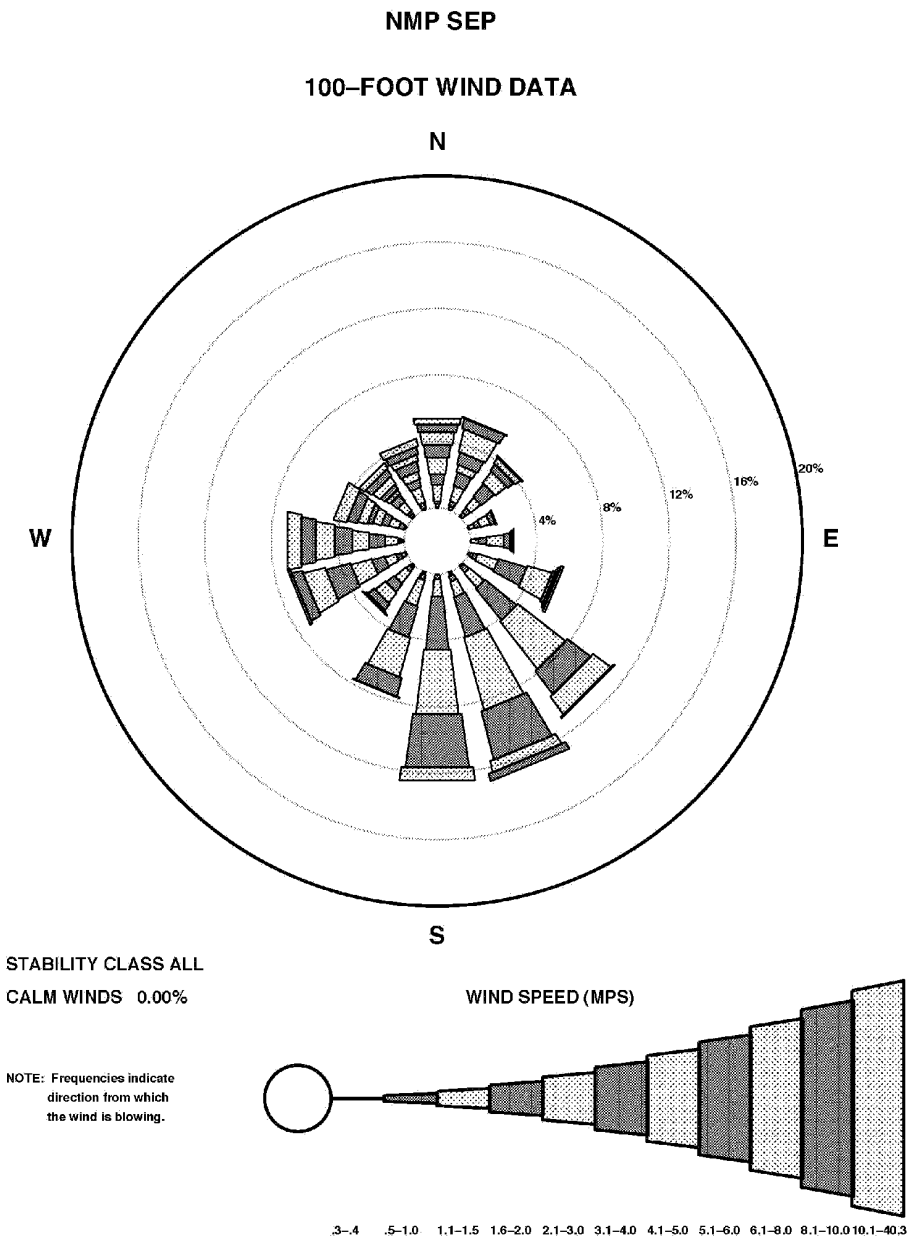

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Figure 2.3-41—{NMPNS 100 ft (30-m) October Wind Rose}

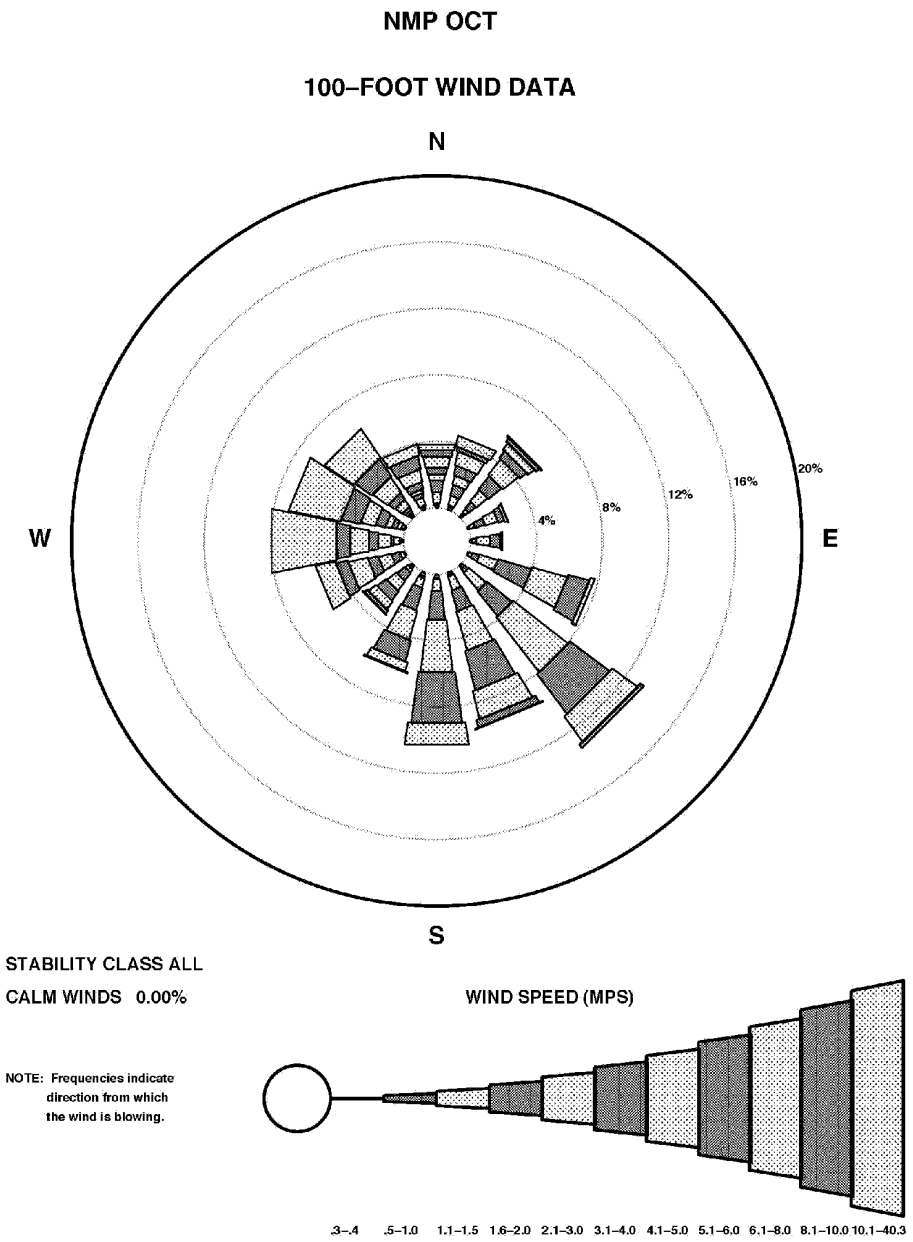

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Figure 2.3-42—{NMPNS 100 ft (30-m) November Wind Rose}

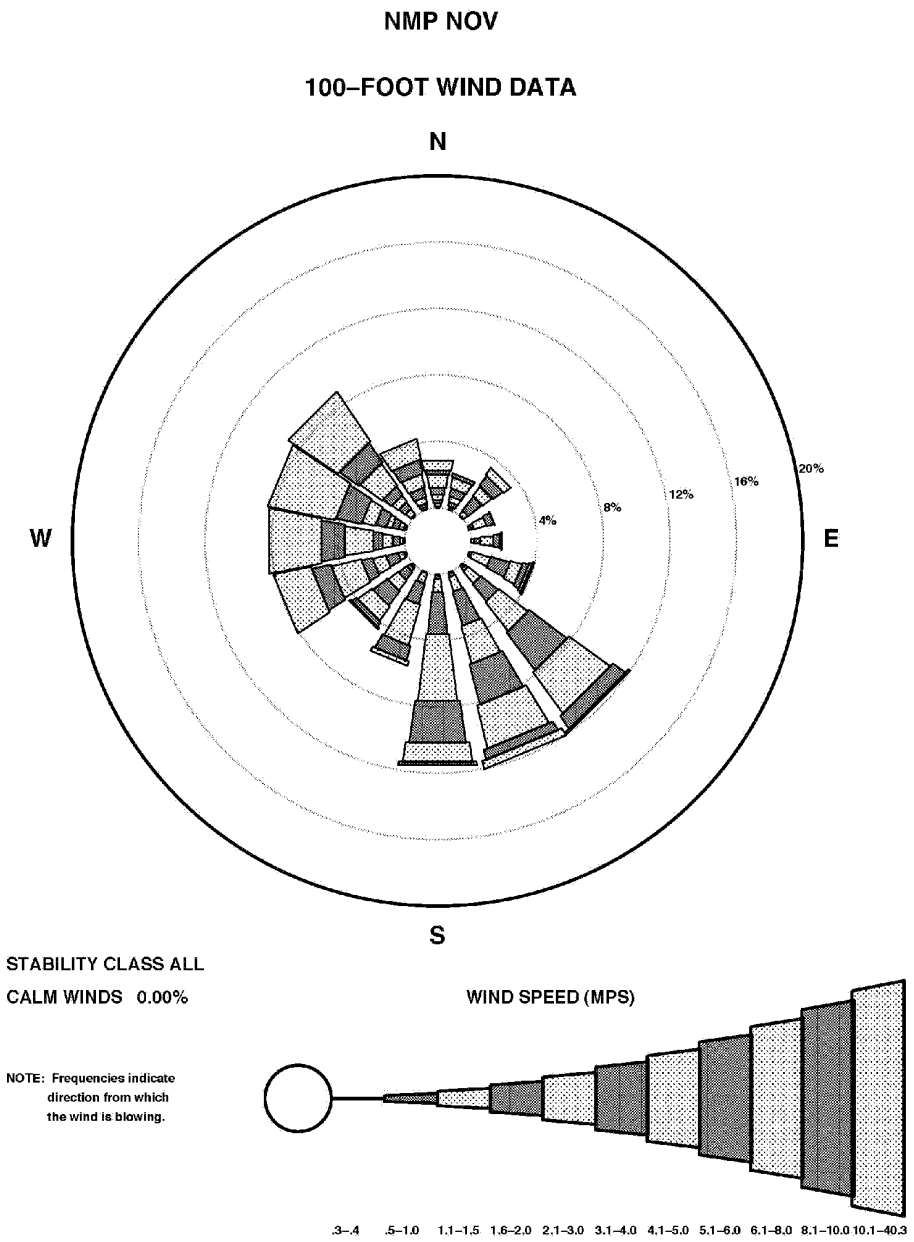

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Figure 2.3-43—{NMPNS 100 ft (30-m) December Wind Rose}

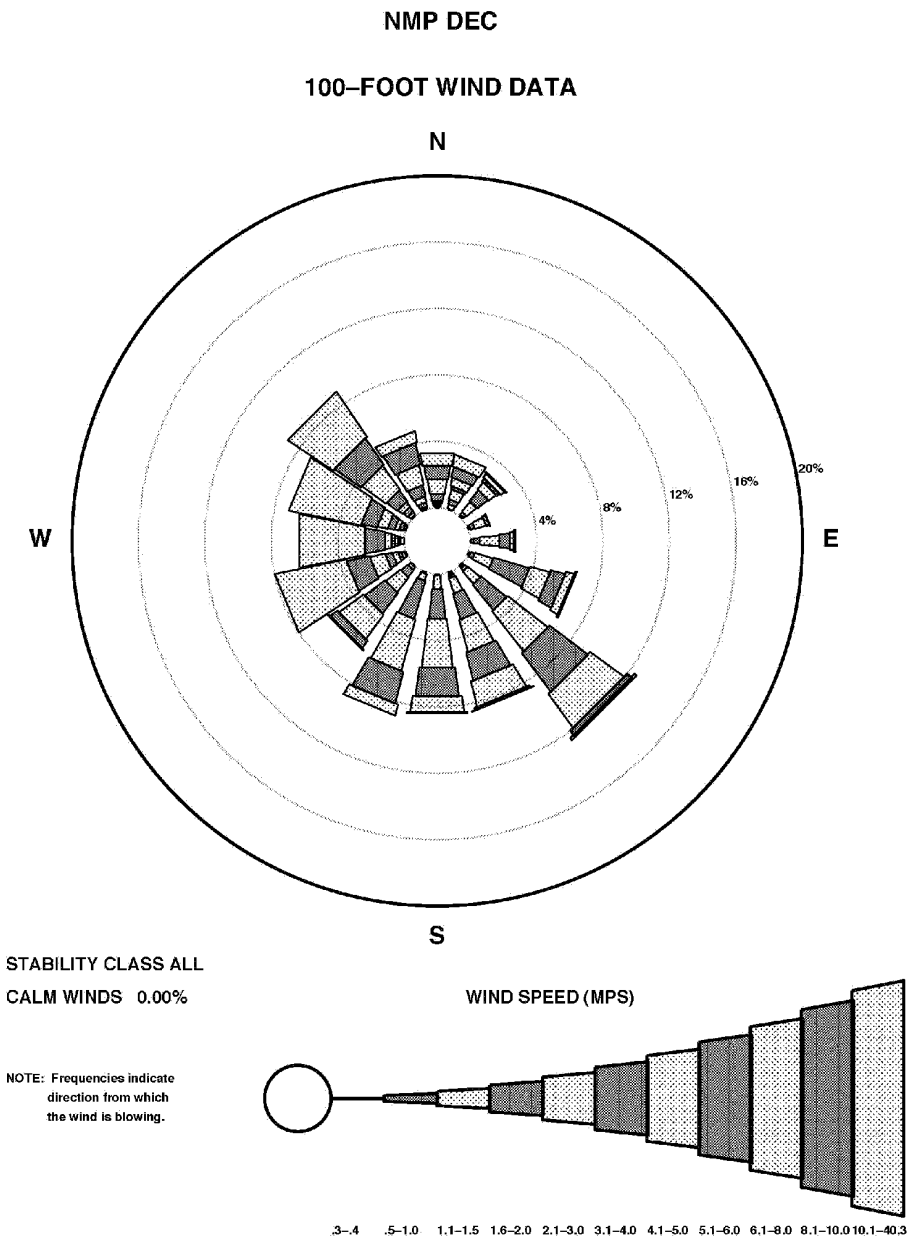

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Figure 2.3-44—{NMPNS 200 ft (61-m) January Wind Rose}

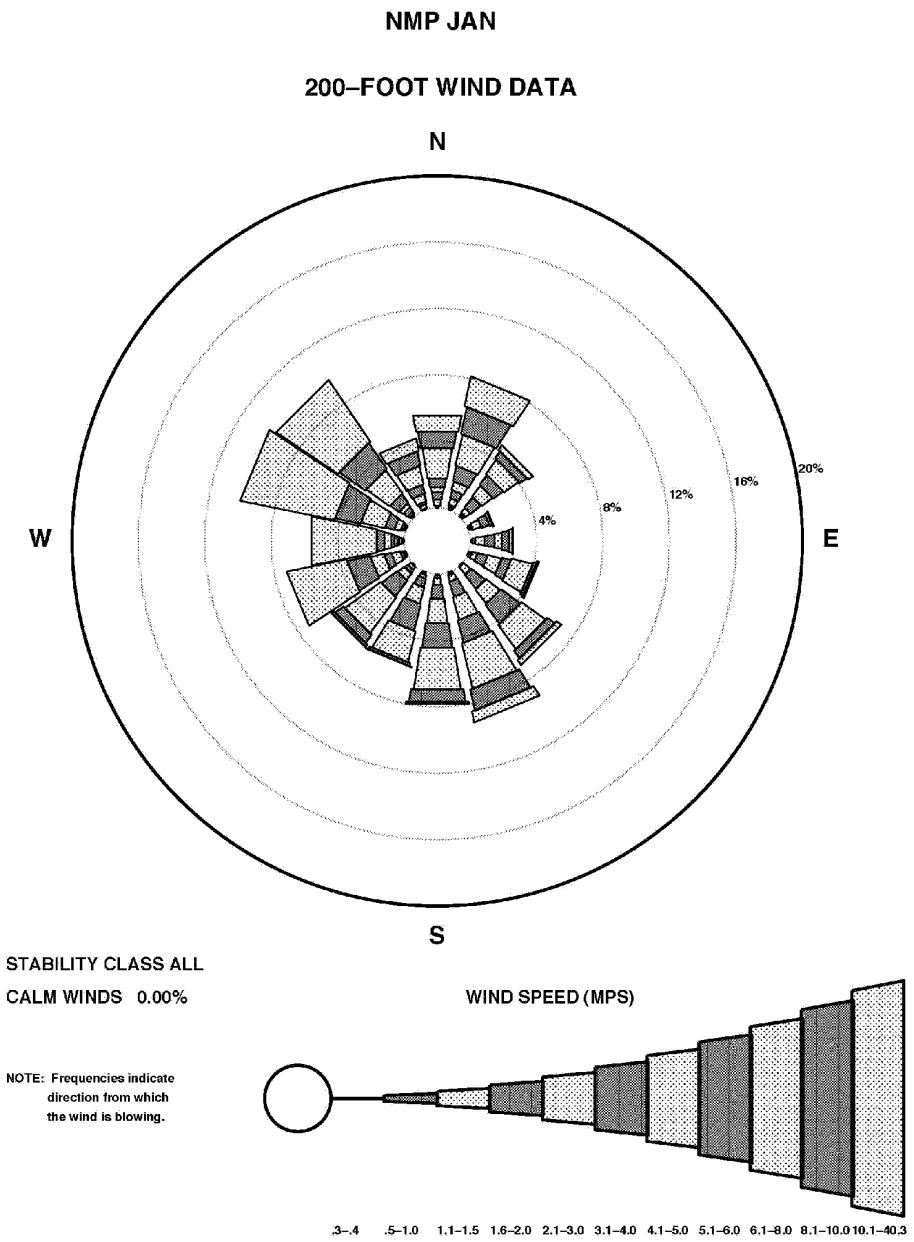

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Figure 2.3-45—{NMPNS 200 ft (61-m) February Wind Rose}

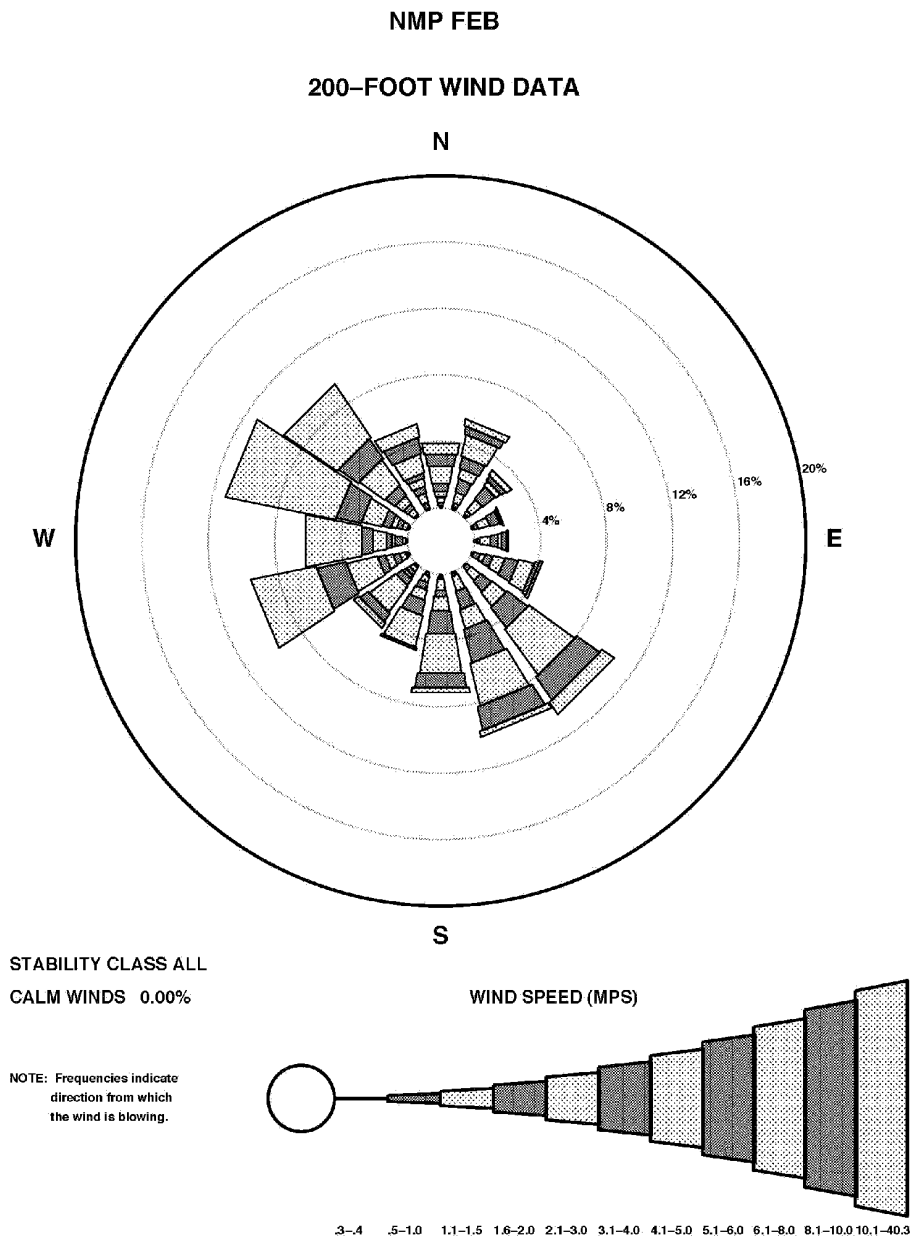

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Figure 2.3-46—{NMPNS 200 ft (61-m) March Wind Rose}

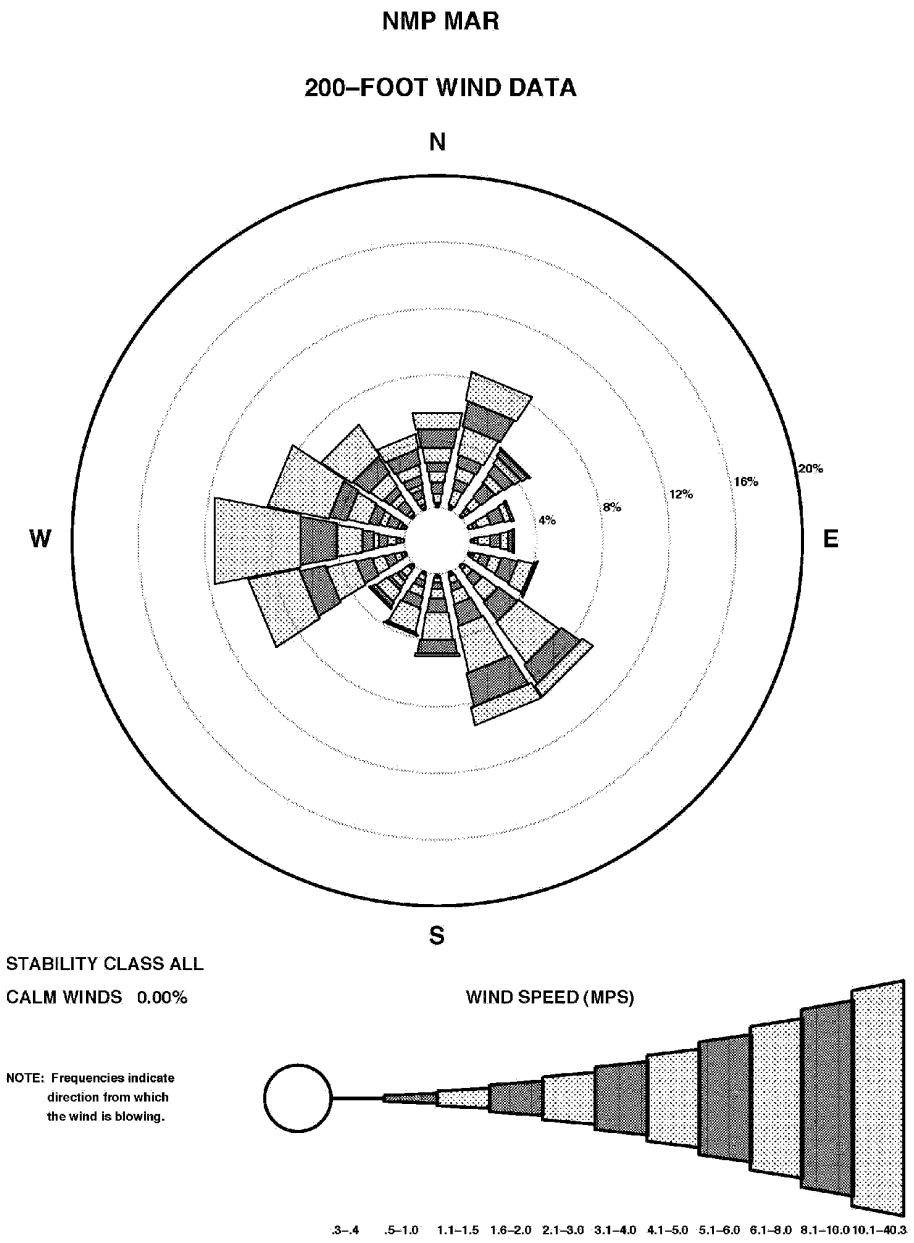

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Figure 2.3-47—{NMPNS 200 ft (61-m) April Wind Rose}

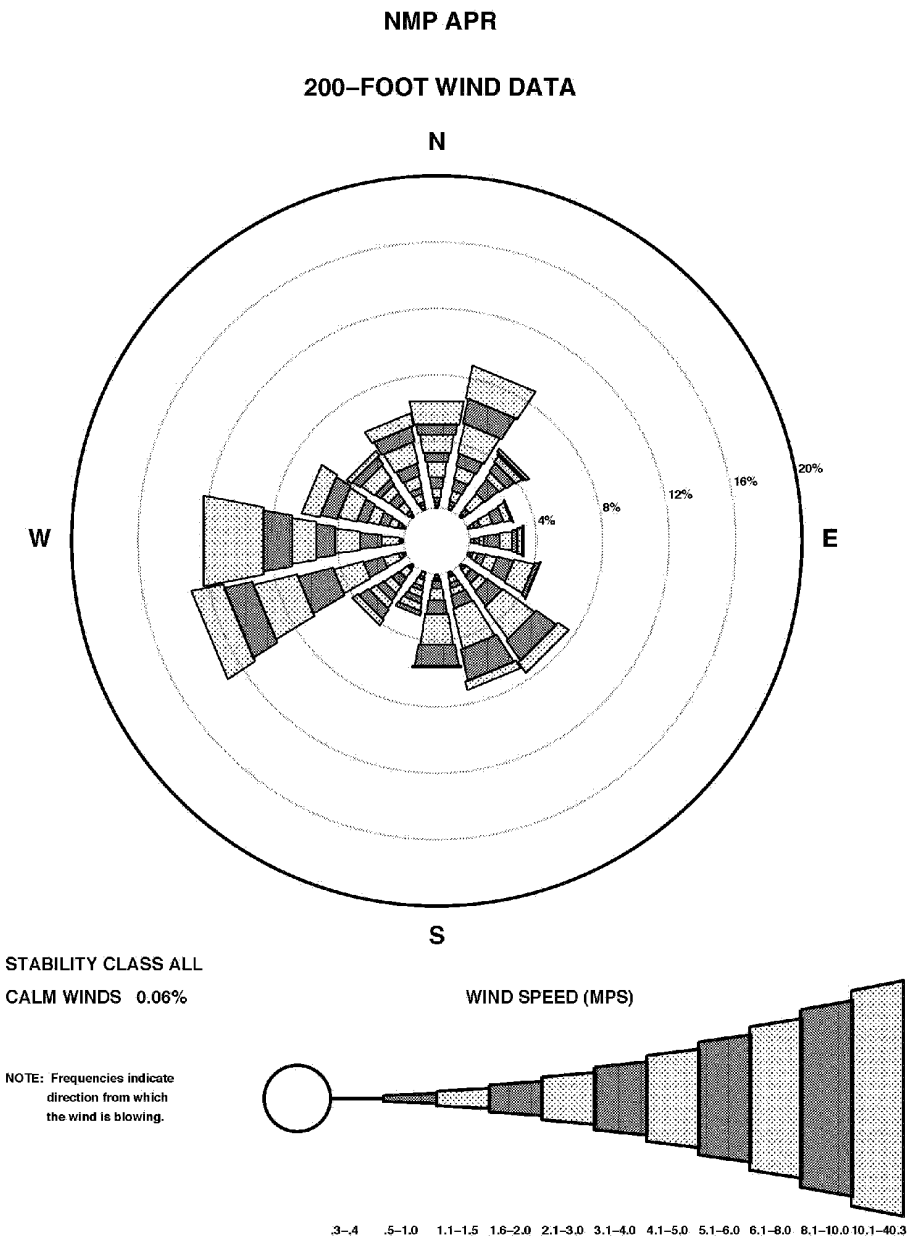

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Figure 2.3-48—{NMPNS 200 ft (61-m) May Wind Rose}

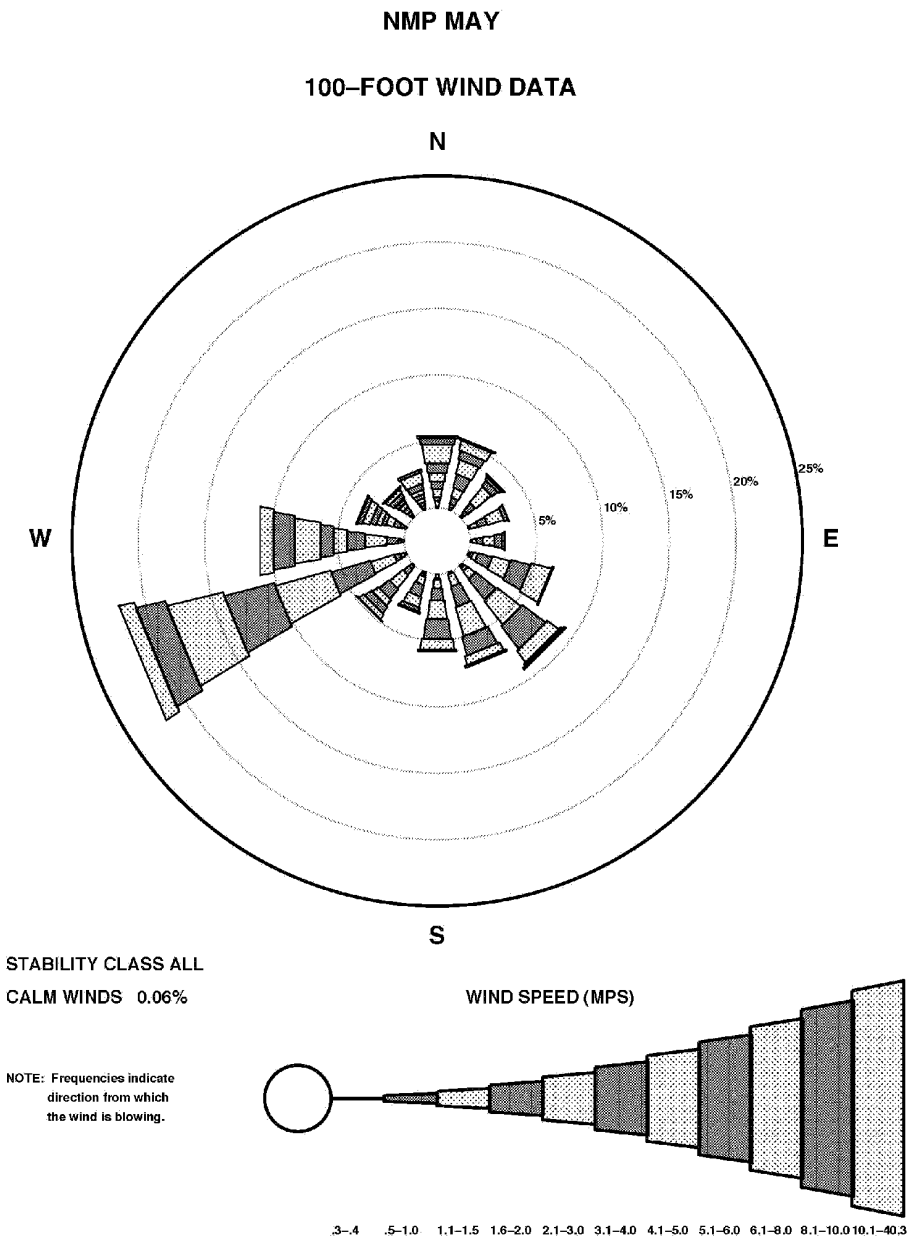

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Figure 2.3-49—{NMPNS 200 ft (61-m) June Wind Rose}

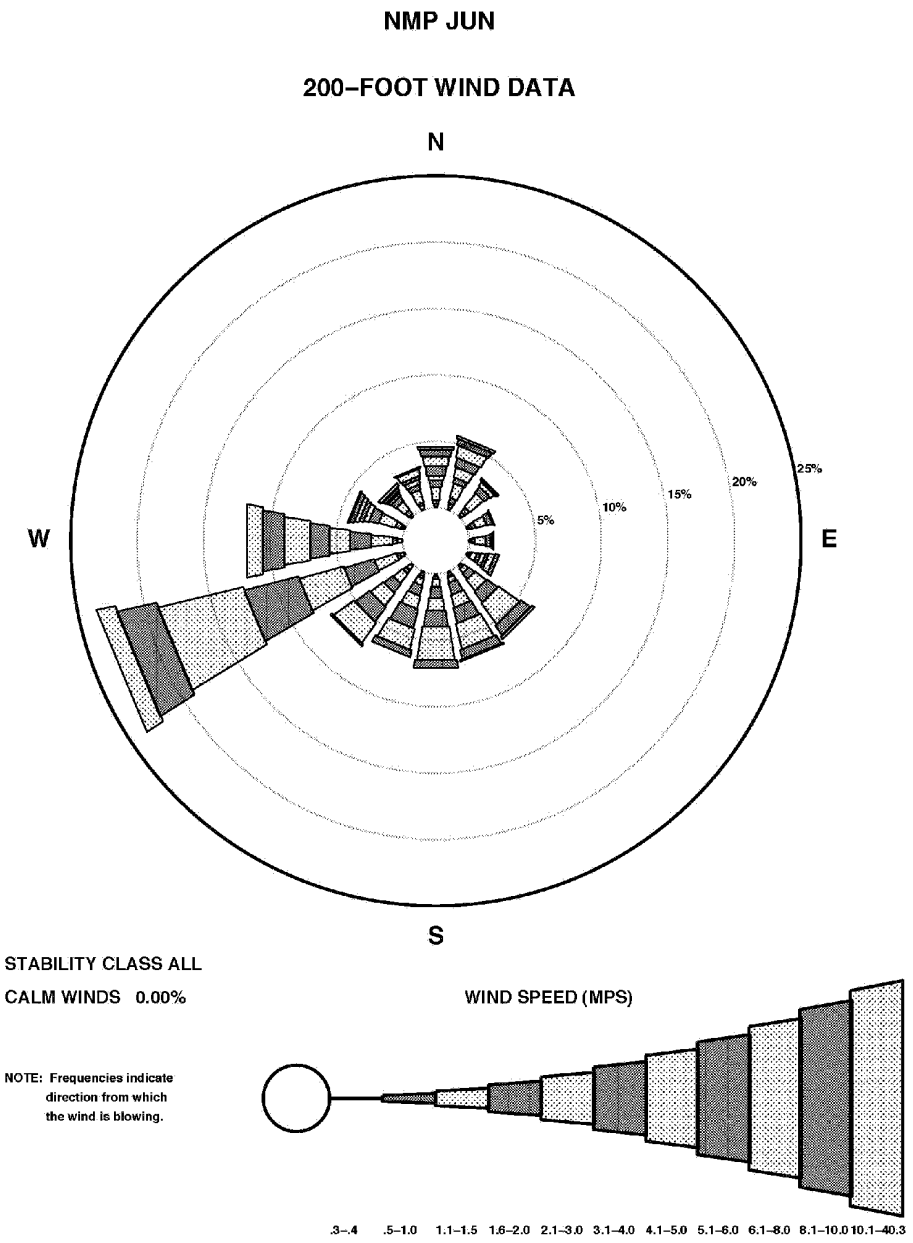

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Figure 2.3-50—{NMPNS 200 ft (61-m) July Wind Rose}

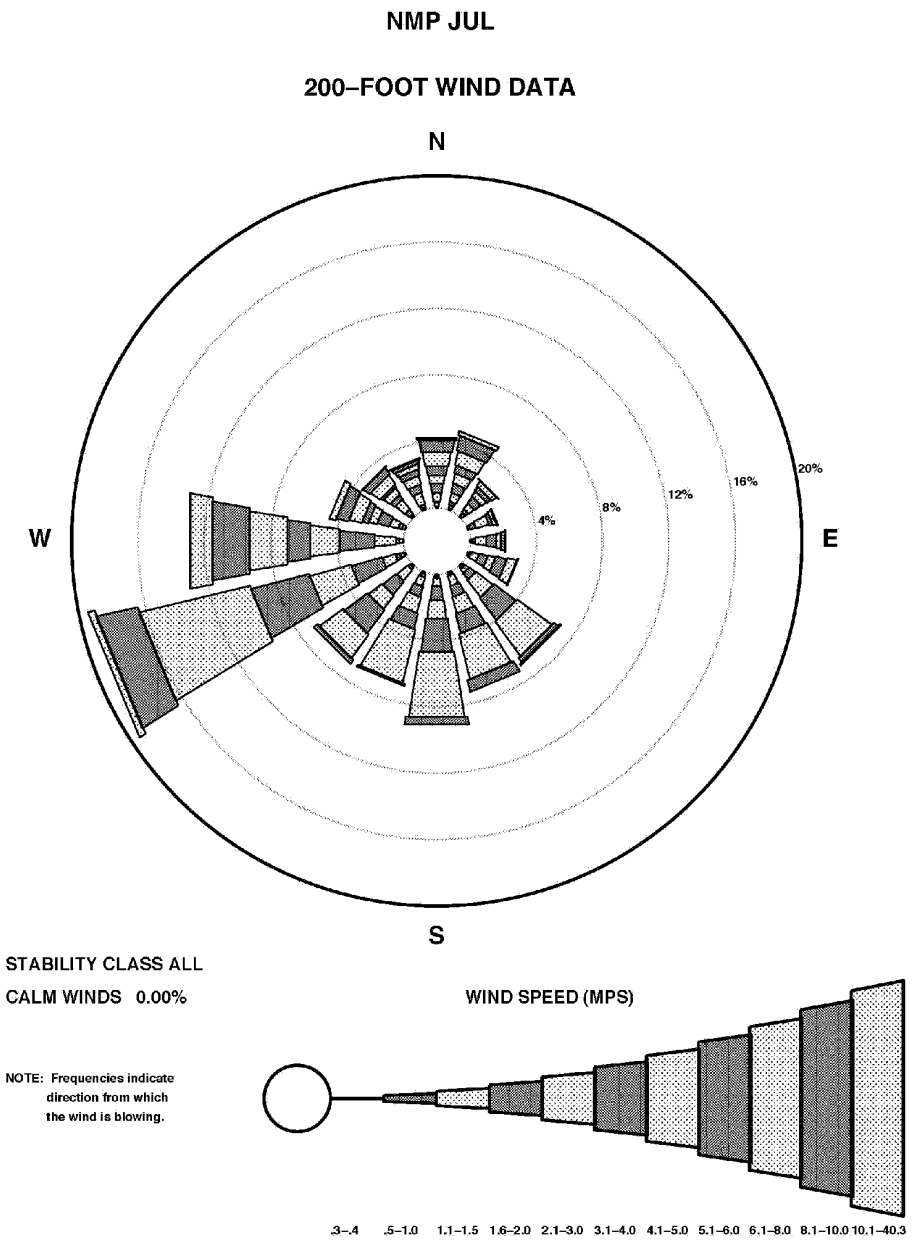

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Figure 2.3-51—{NMPNS 200 ft (61-m) August Wind Rose}

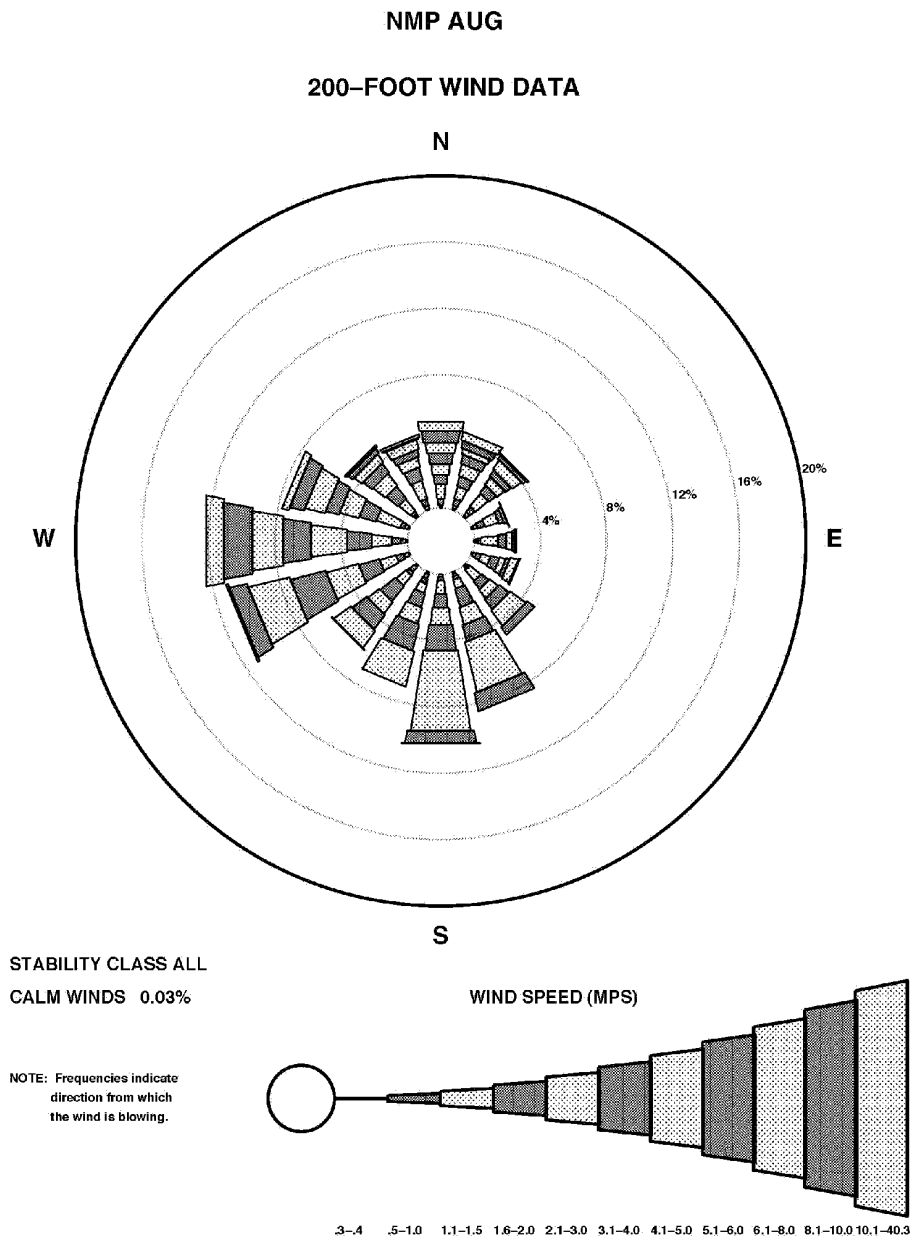

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Figure 2.3-52—{NMPNS 200 ft (61-m) September Wind Rose}

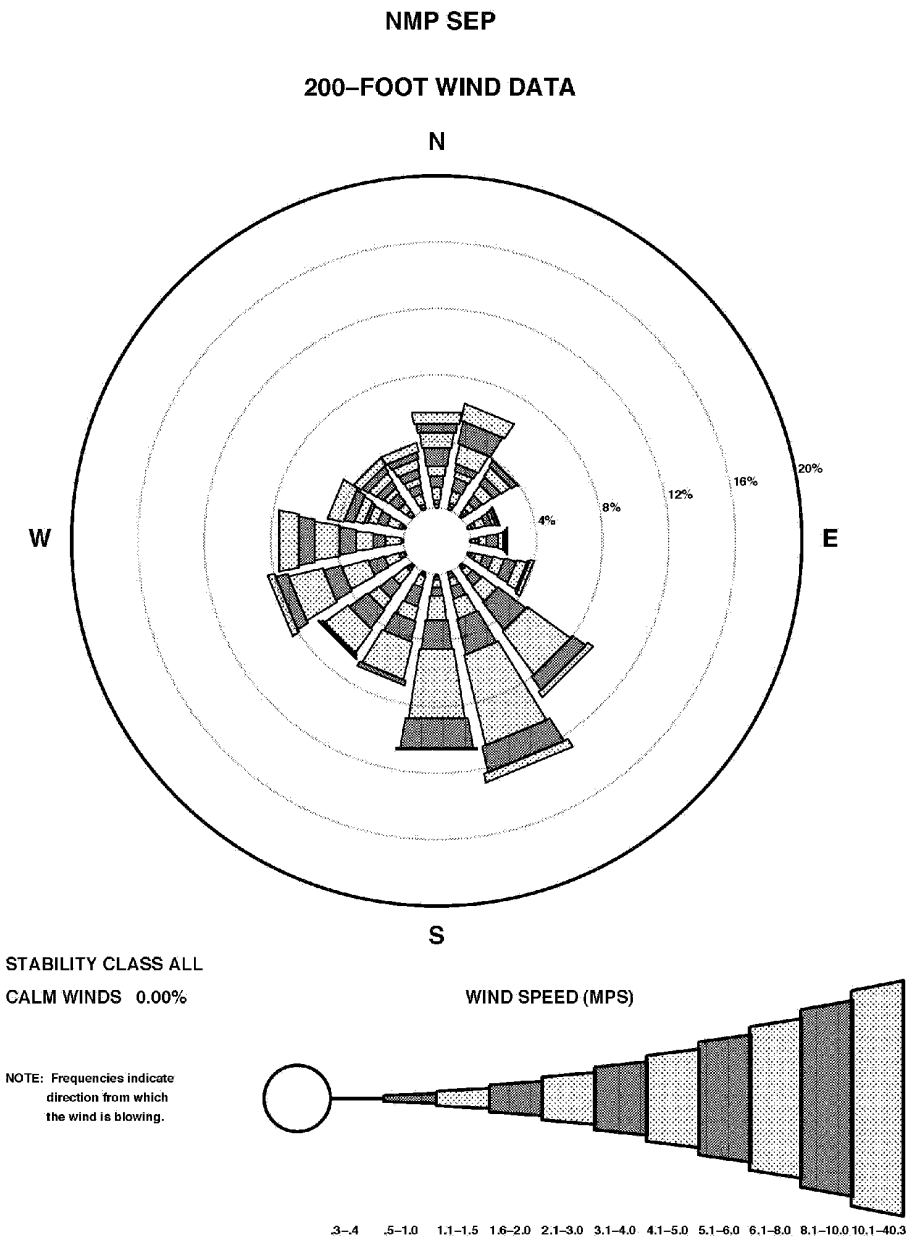

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Figure 2.3-53—{NMPNS 200 ft (61-m) October Wind Rose}

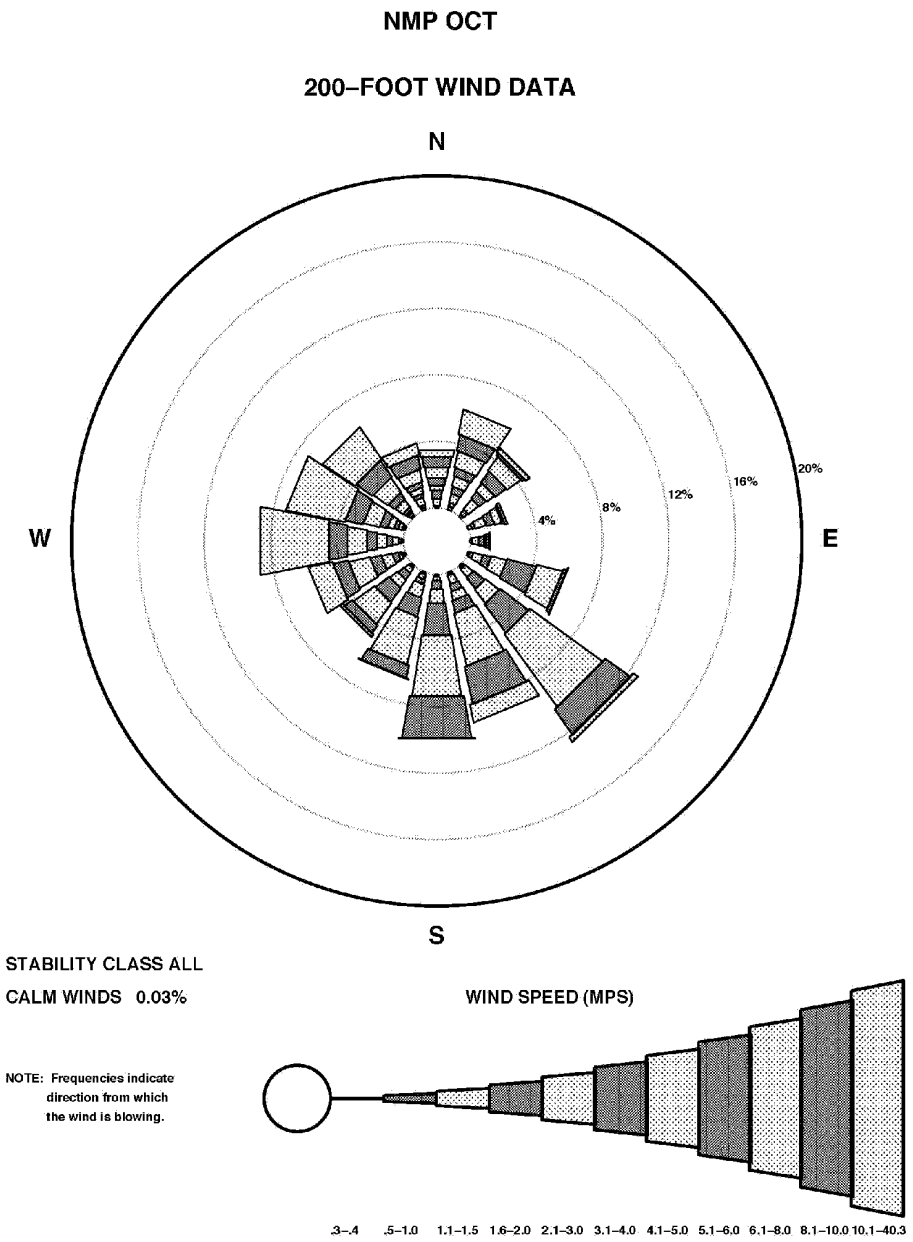

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Figure 2.3-54—{NMPNS 200 ft (61-m) November Wind Rose}

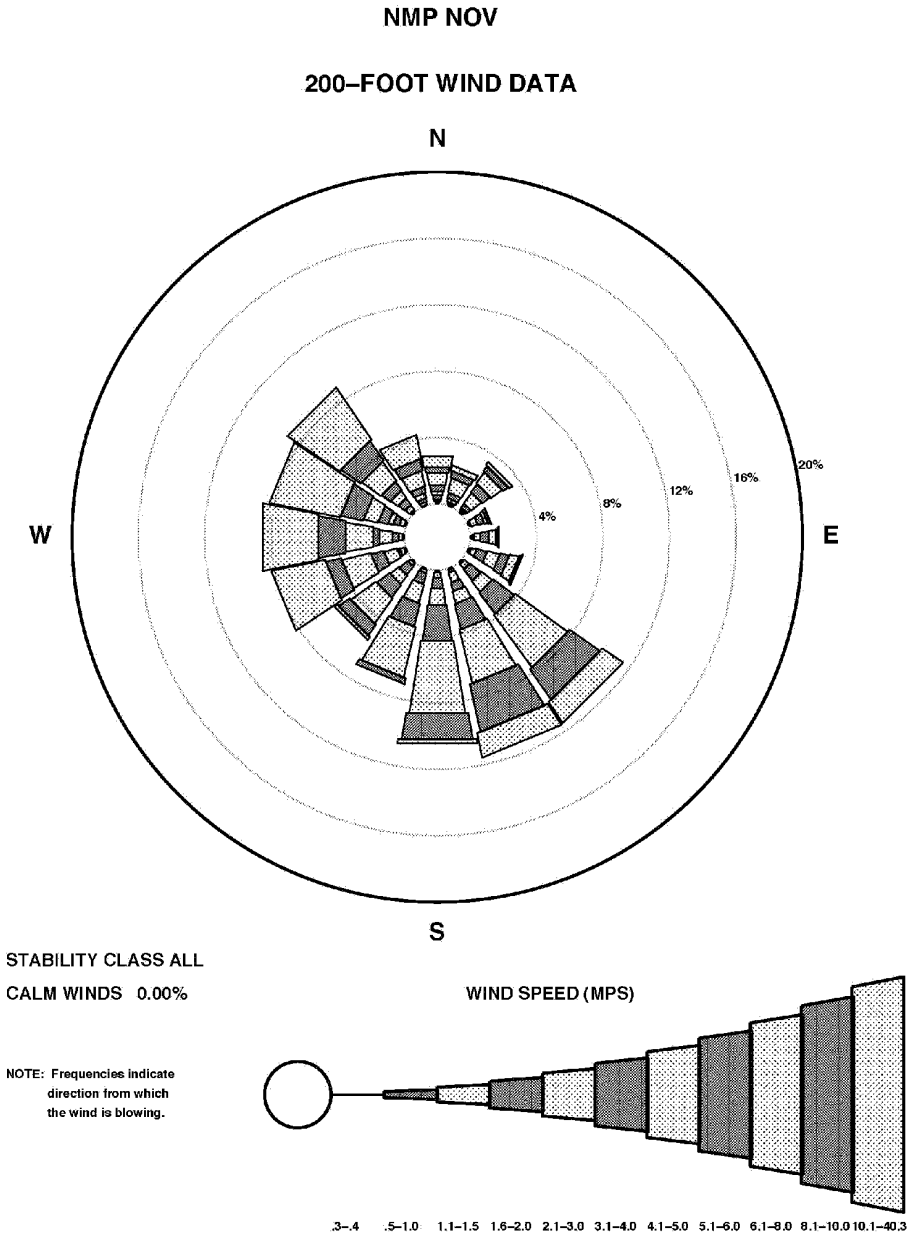

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Figure 2.3-55—{NMPNS 200 ft (61-m) December Wind Rose}

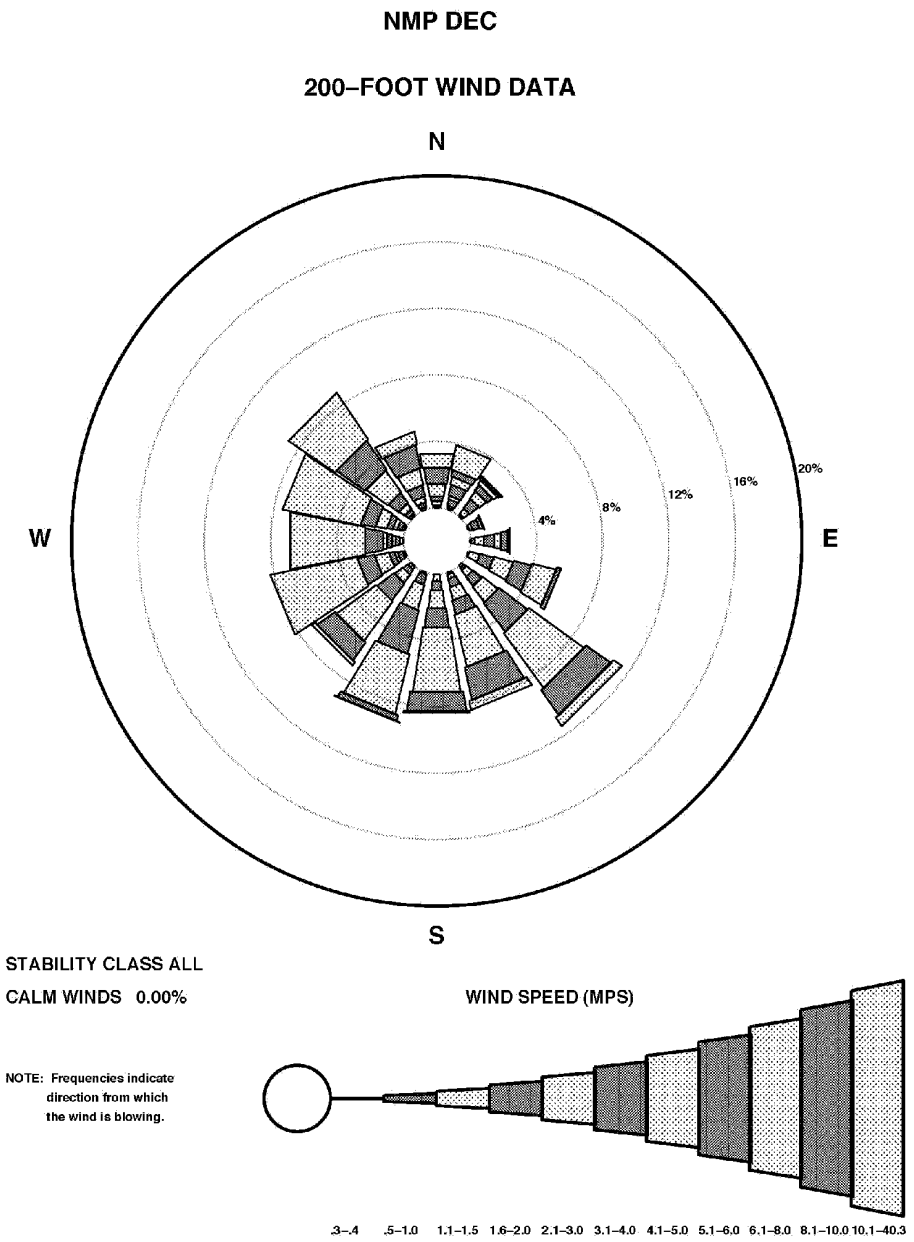

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Figure 2.3-56—{Rochester, New York, Wind Rose}

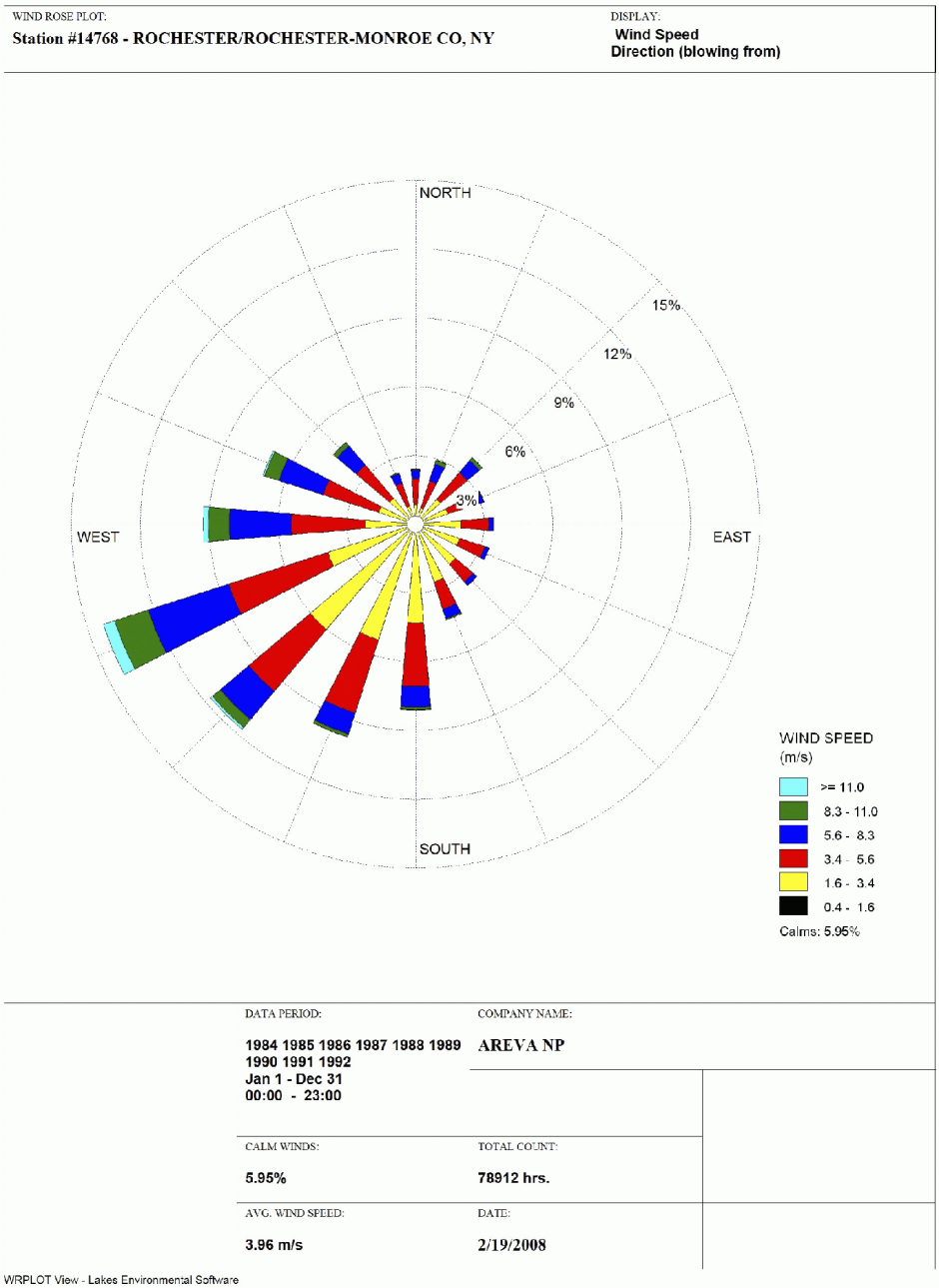

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Figure 2.3-57—{Syracuse, New York, Wind Rose}

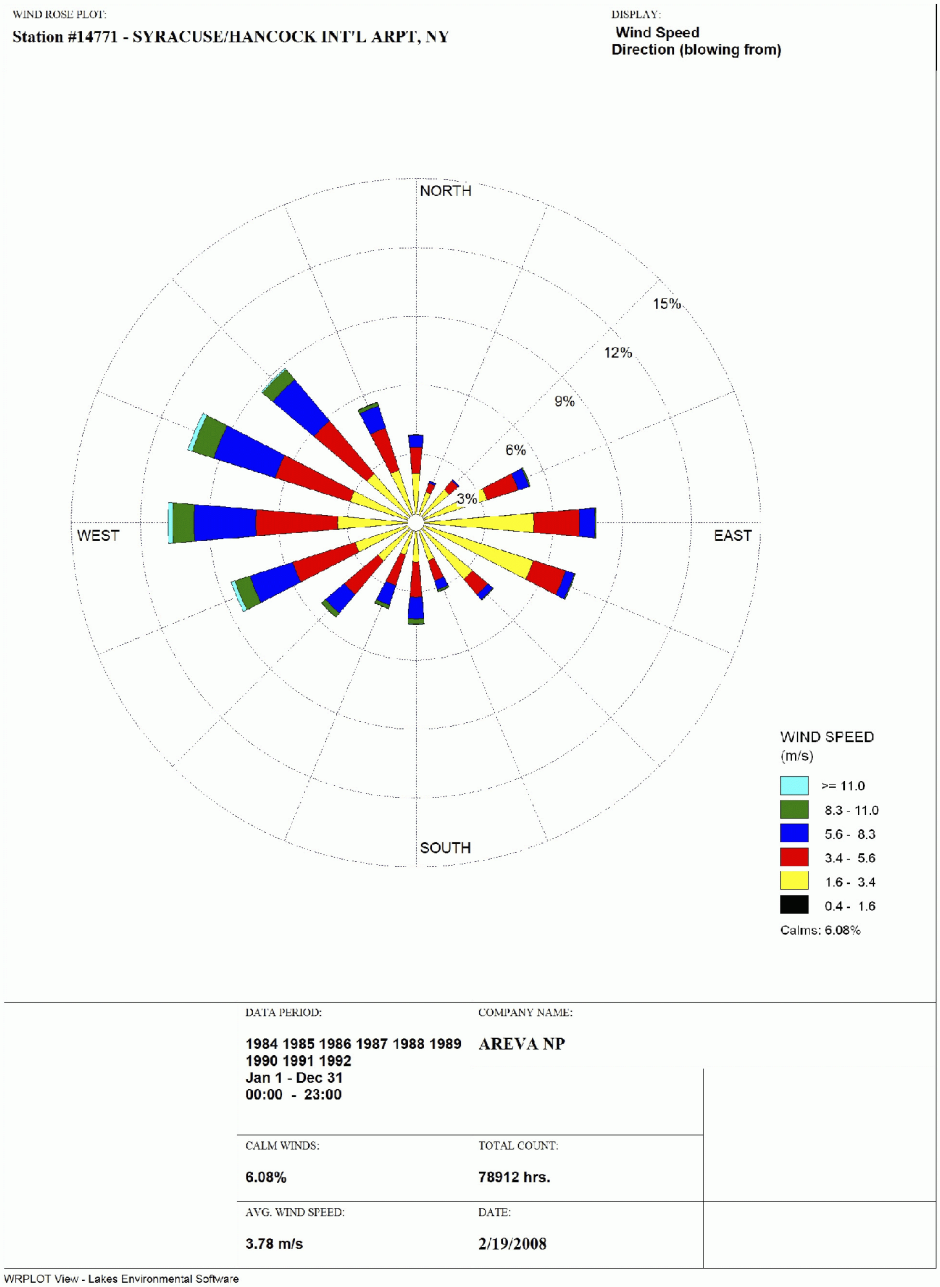

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Figure 2.3-58—{NMPNS 30 ft (9 m) Annual Precipitation Wind Rose}

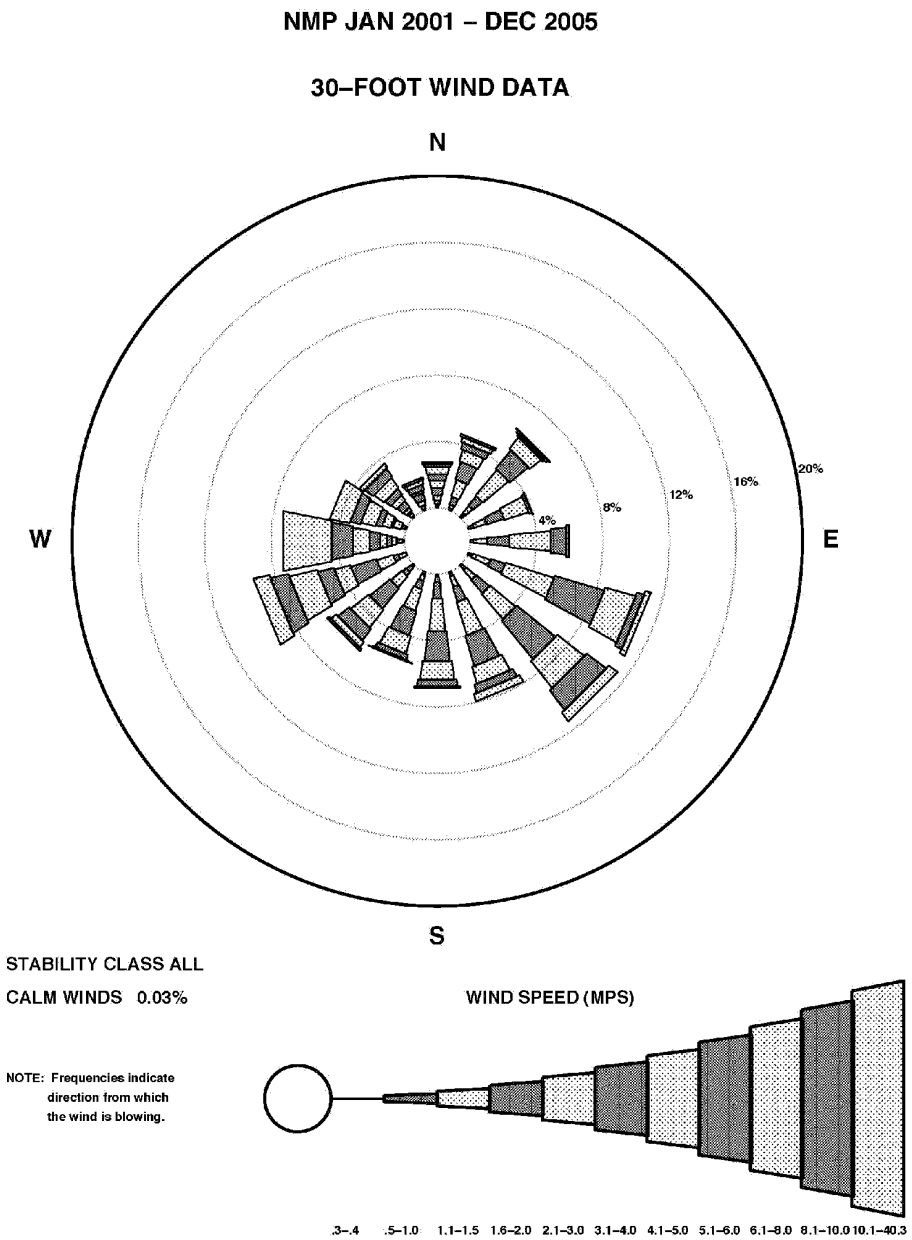

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Figure 2.3-59—{NMPNS 100 ft (30 m) Annual Precipitation Wind Rose}

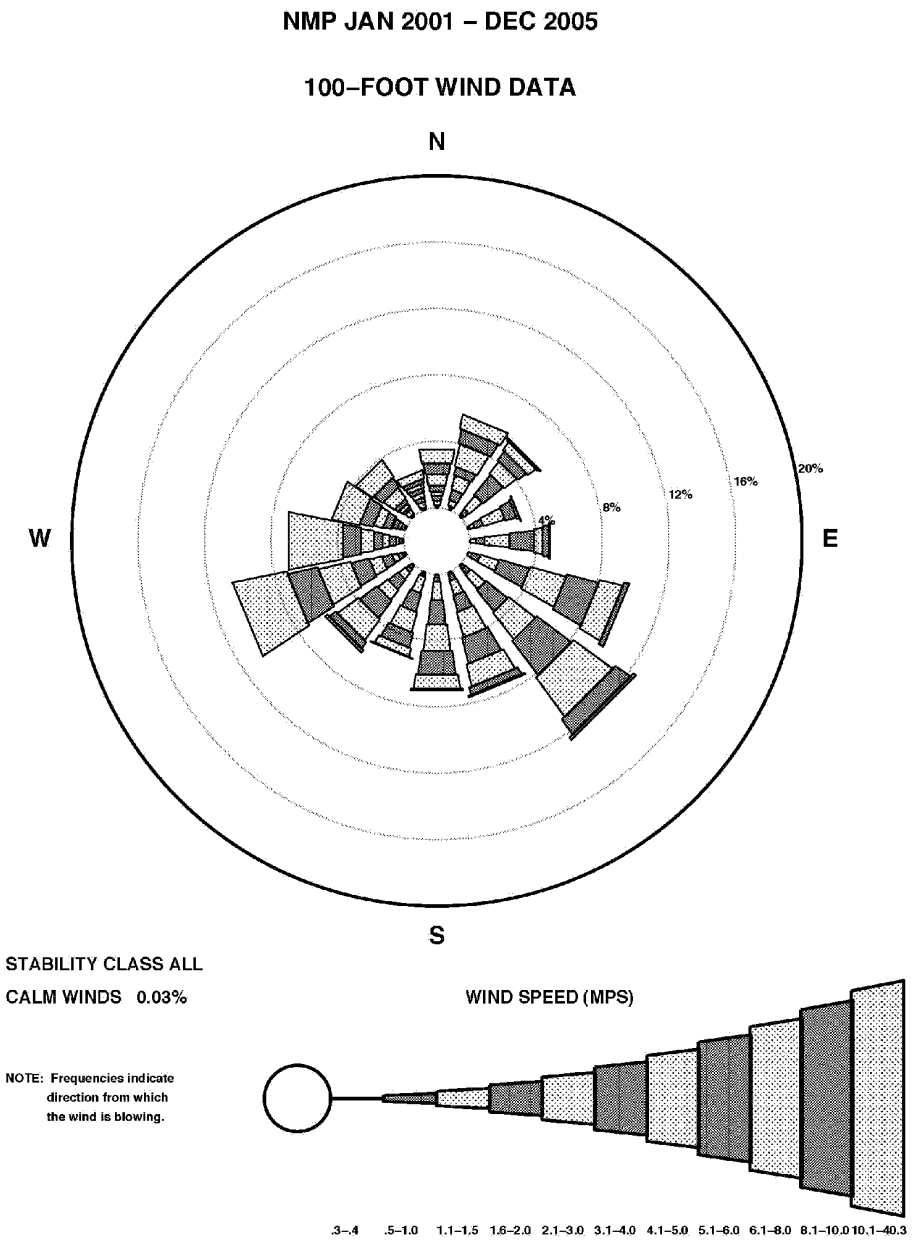

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Figure 2.3-60—{NMPNS 200 ft (61 m) Annual Precipitation Wind Rose}

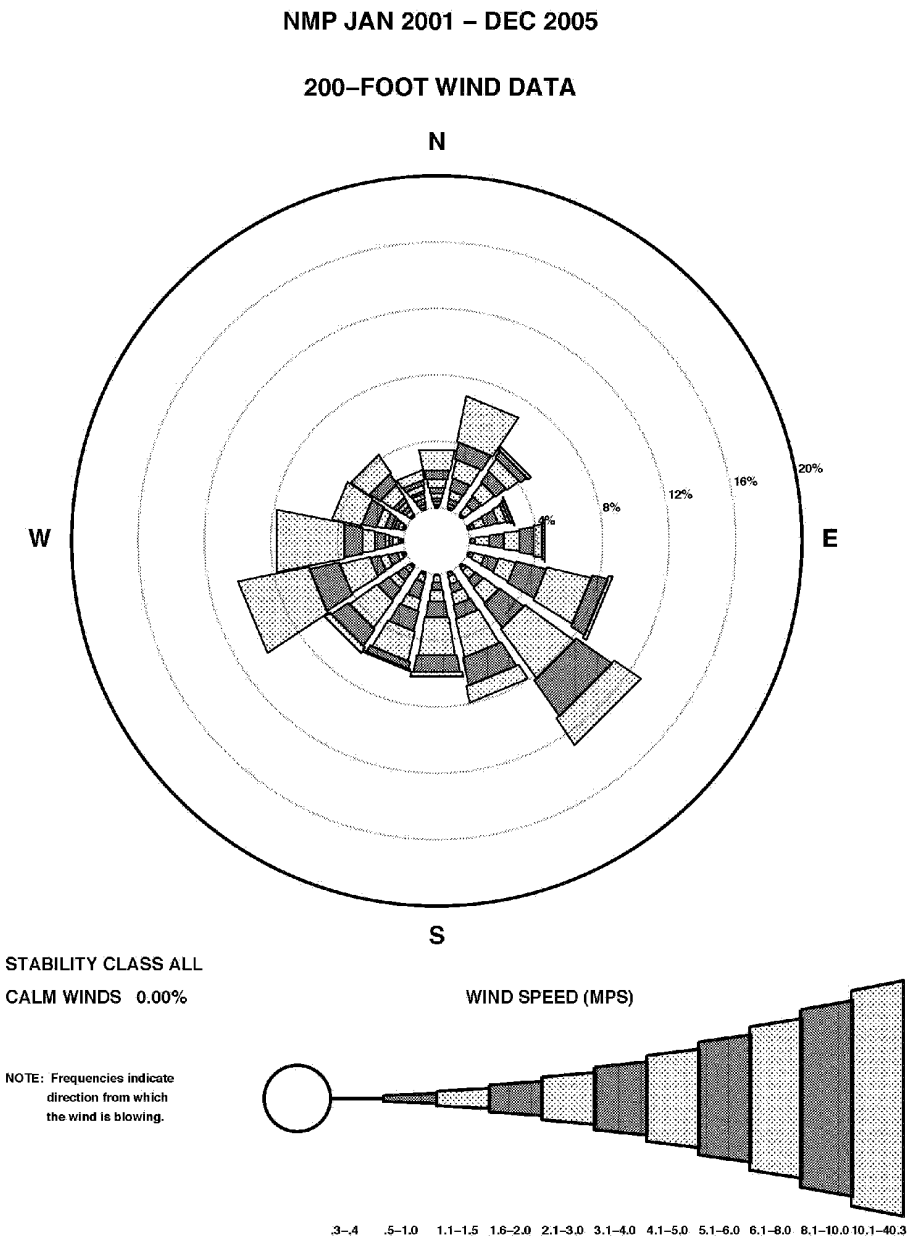

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Figure 2.3-61—{NMPNS 30 ft (9 m) January Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

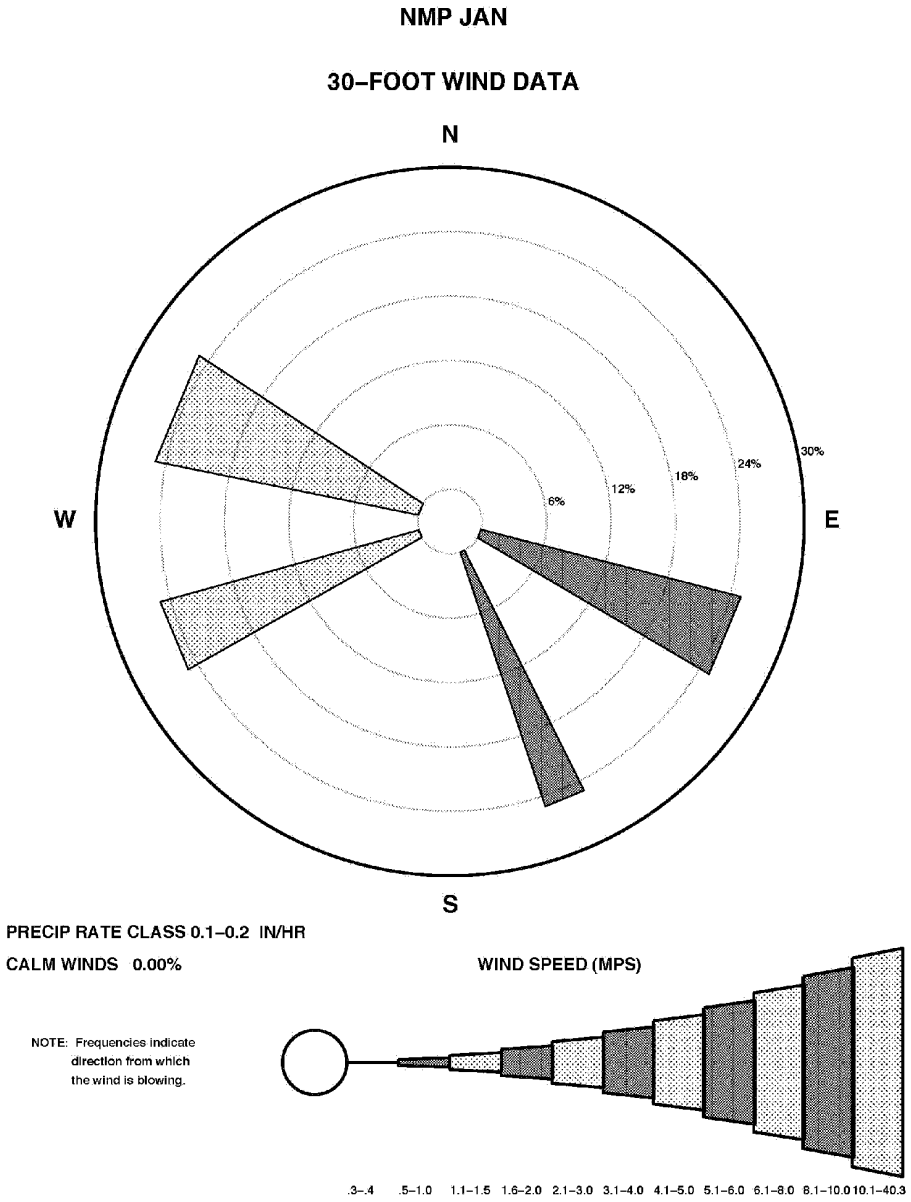

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Figure 2.3-62—{NMPNS 30 ft (9 m) February Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

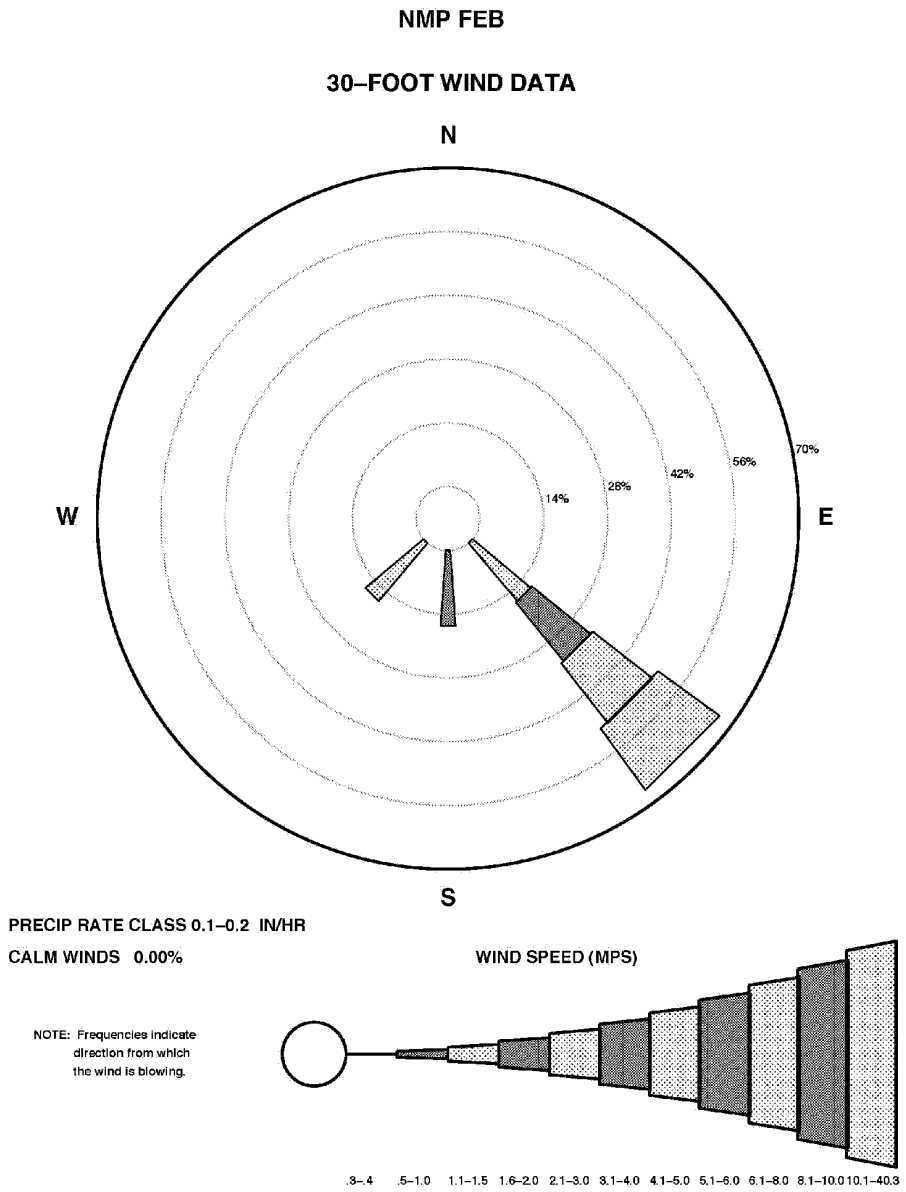

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Figure 2.3-63—{NMPNS 30 ft (9 m) March Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

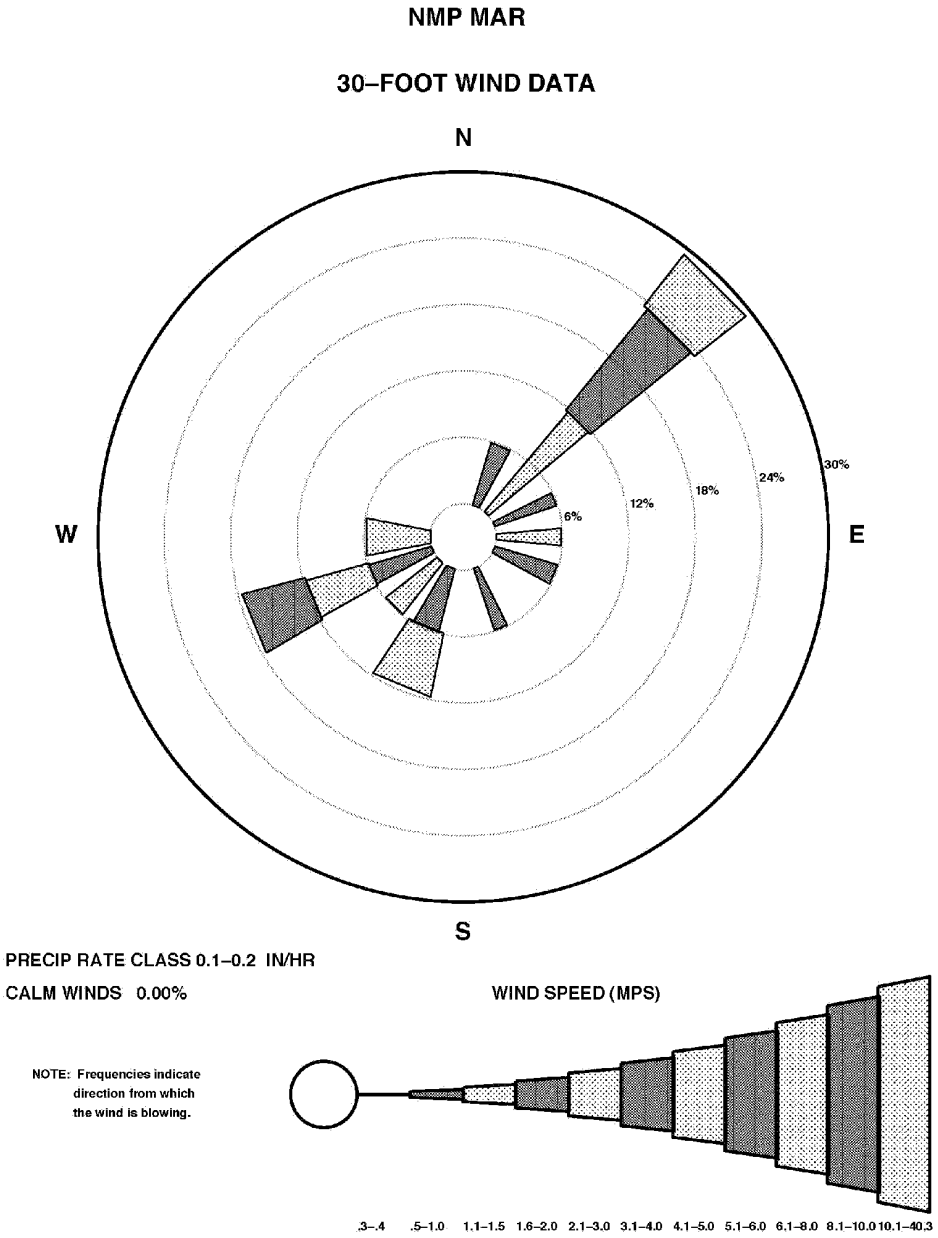

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Figure 2.3-64—{NMPNS 30 ft (9 m) April Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

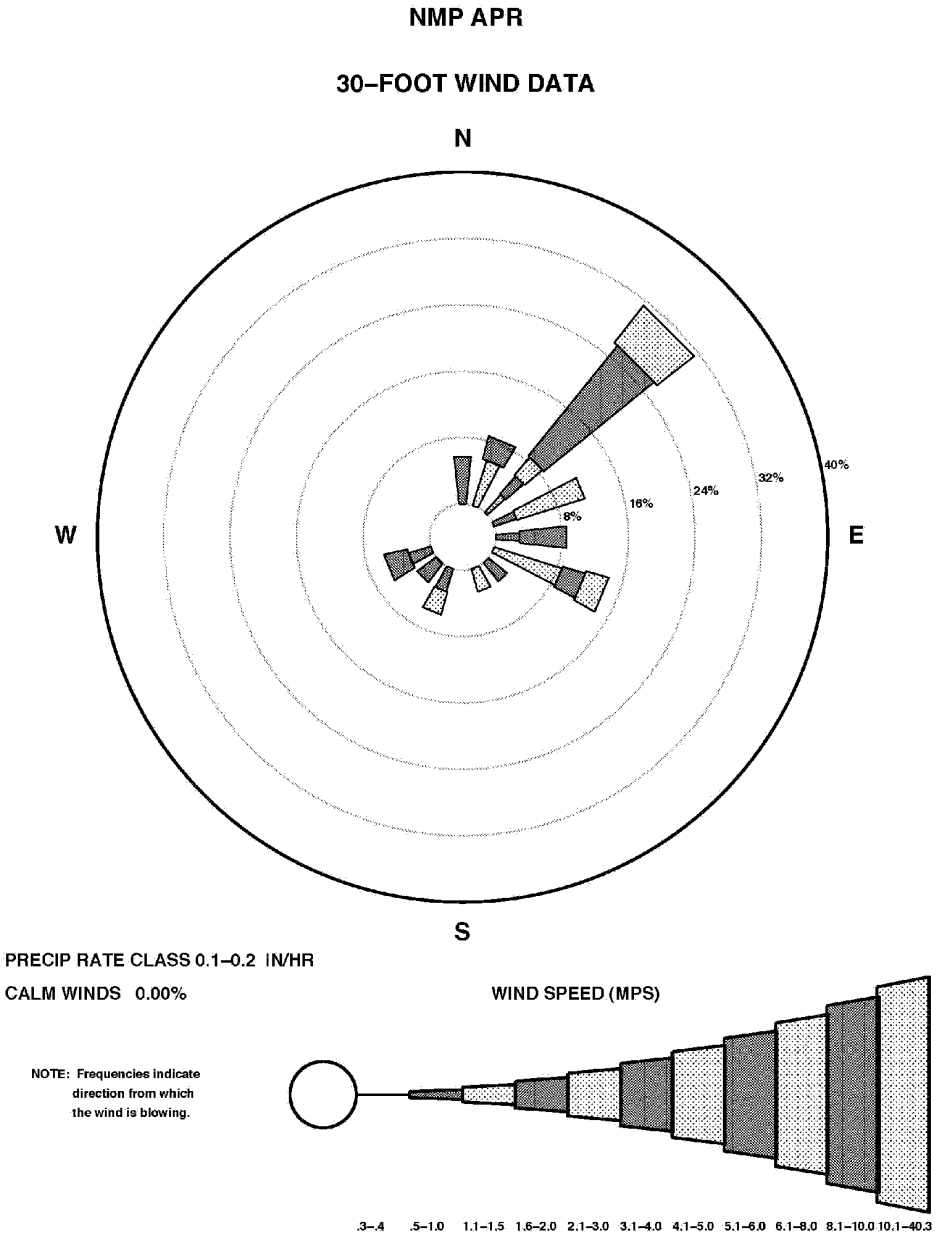

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Figure 2.3-65—{NMPNS 30 ft (9 m) May Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

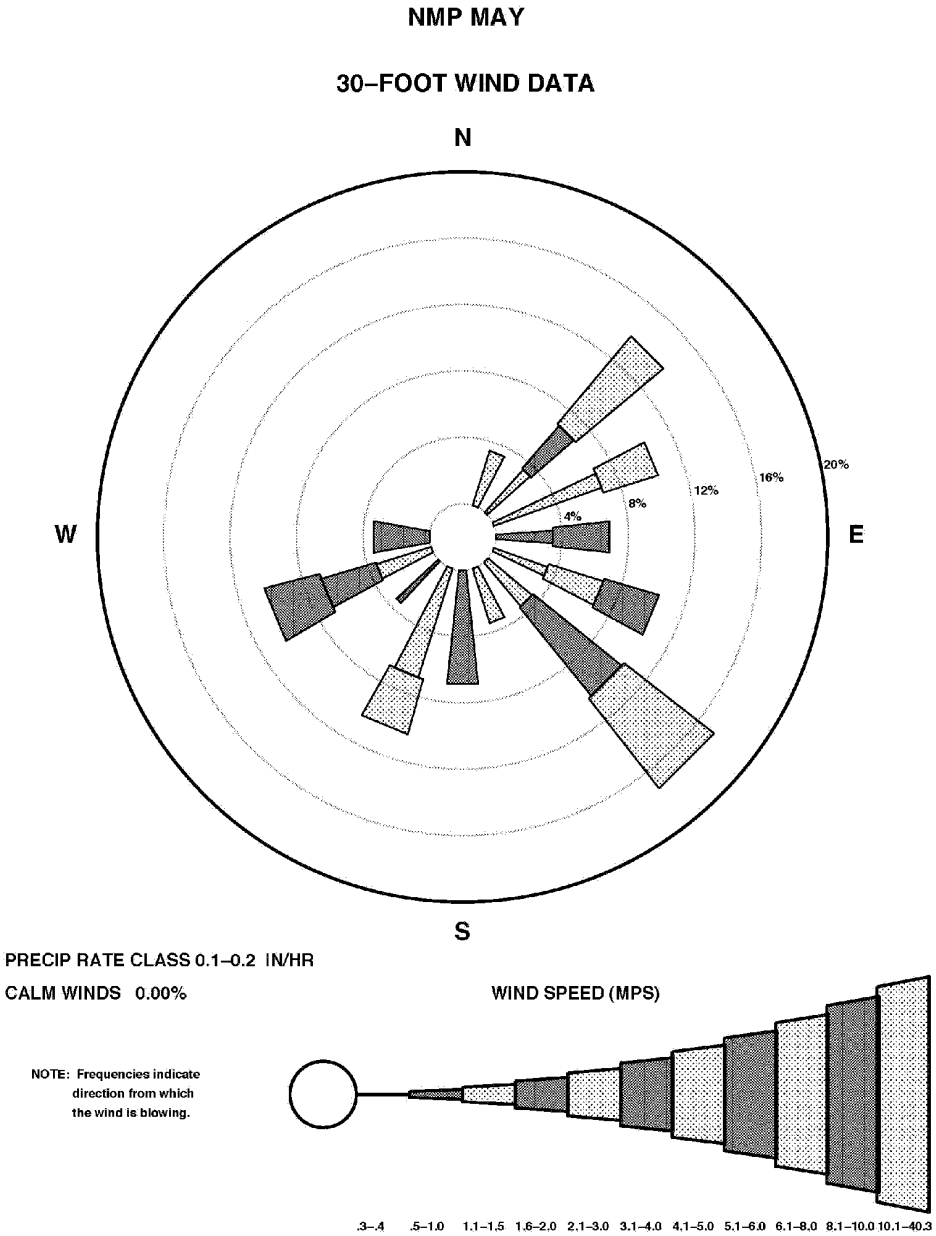

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Figure 2.3-66—{NMPNS 30 ft (9 m) June Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

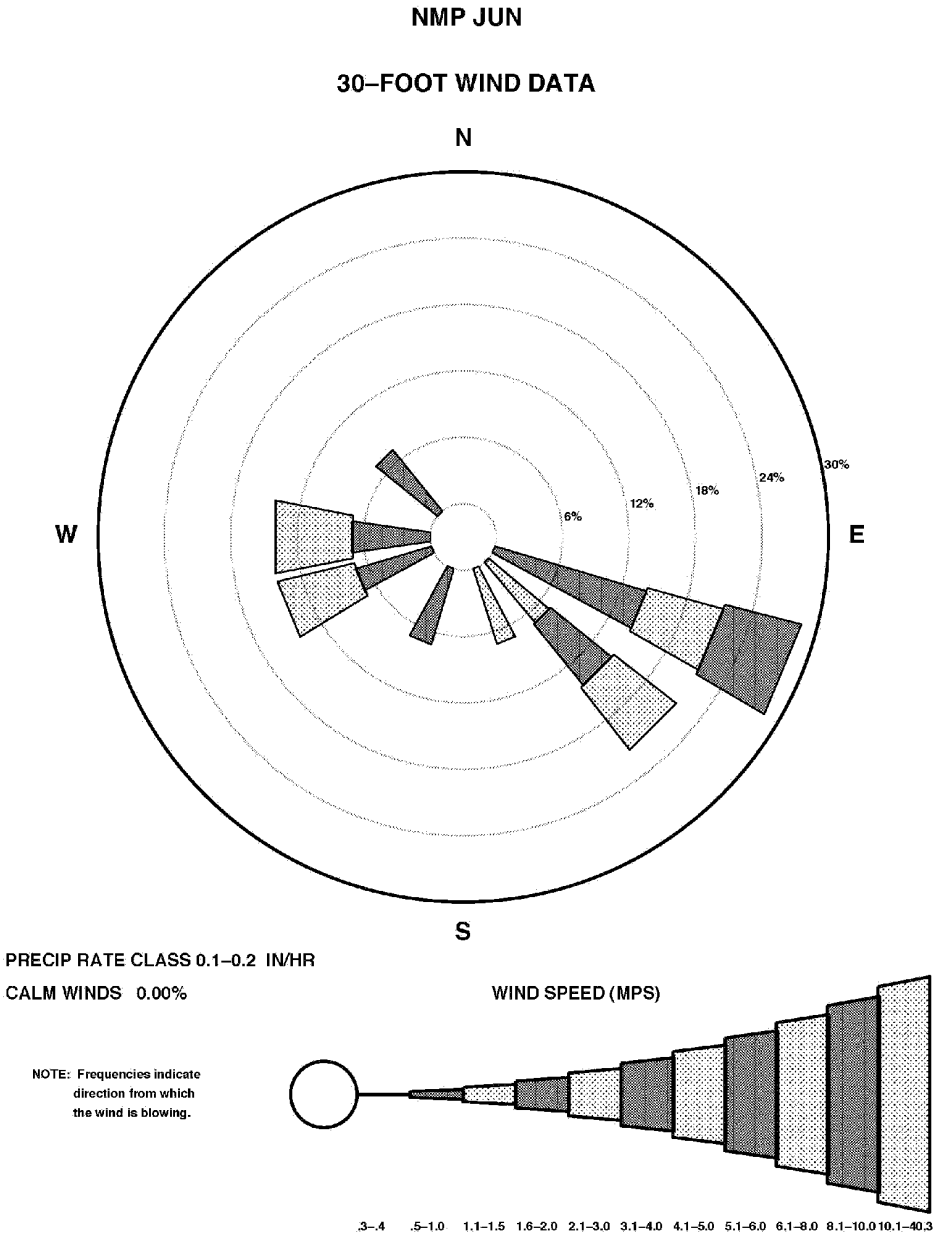

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Figure 2.3-67—{NMPNS 30 ft (9 m) July Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

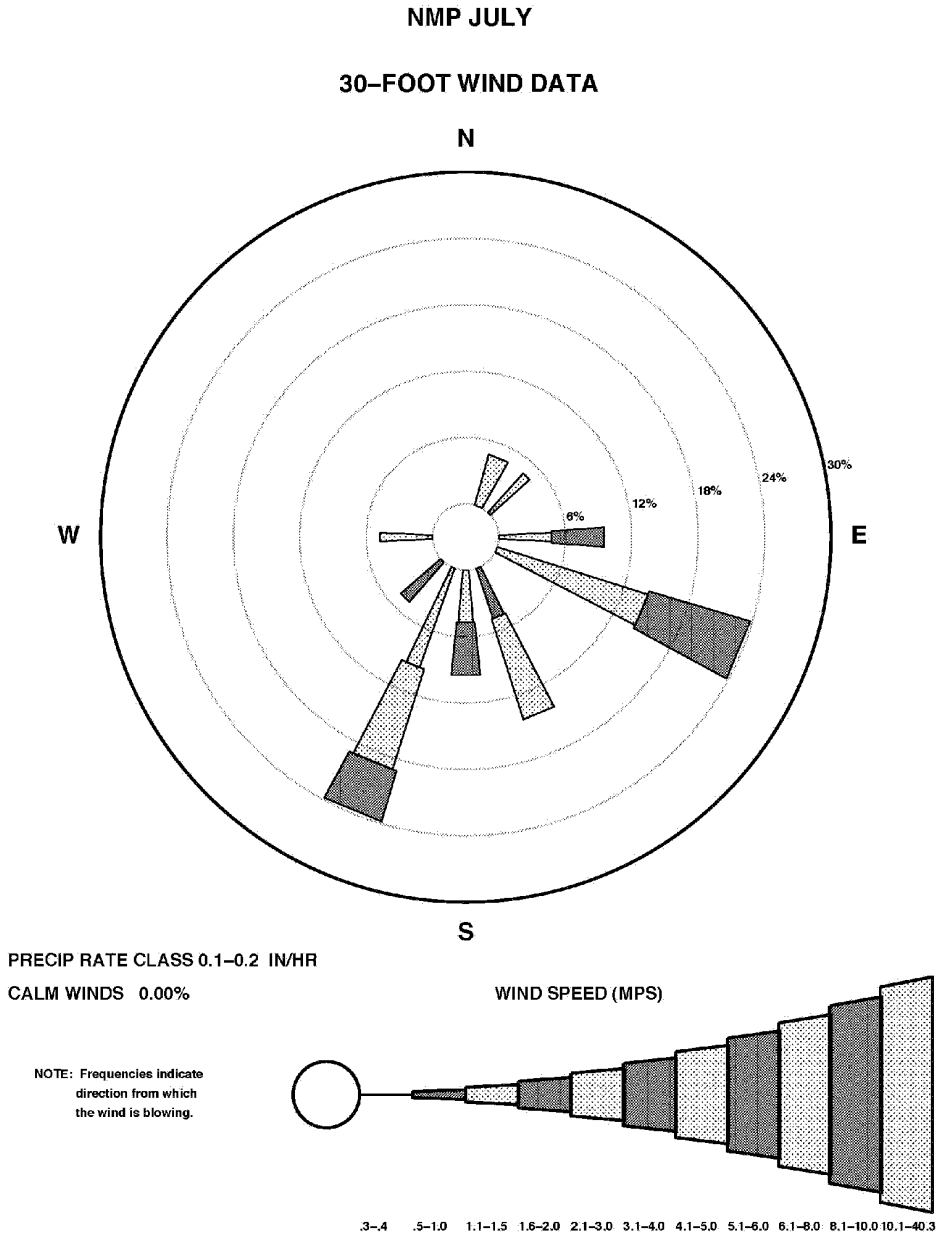

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Figure 2.3-68—{NMPNS 30 ft (9 m) August Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

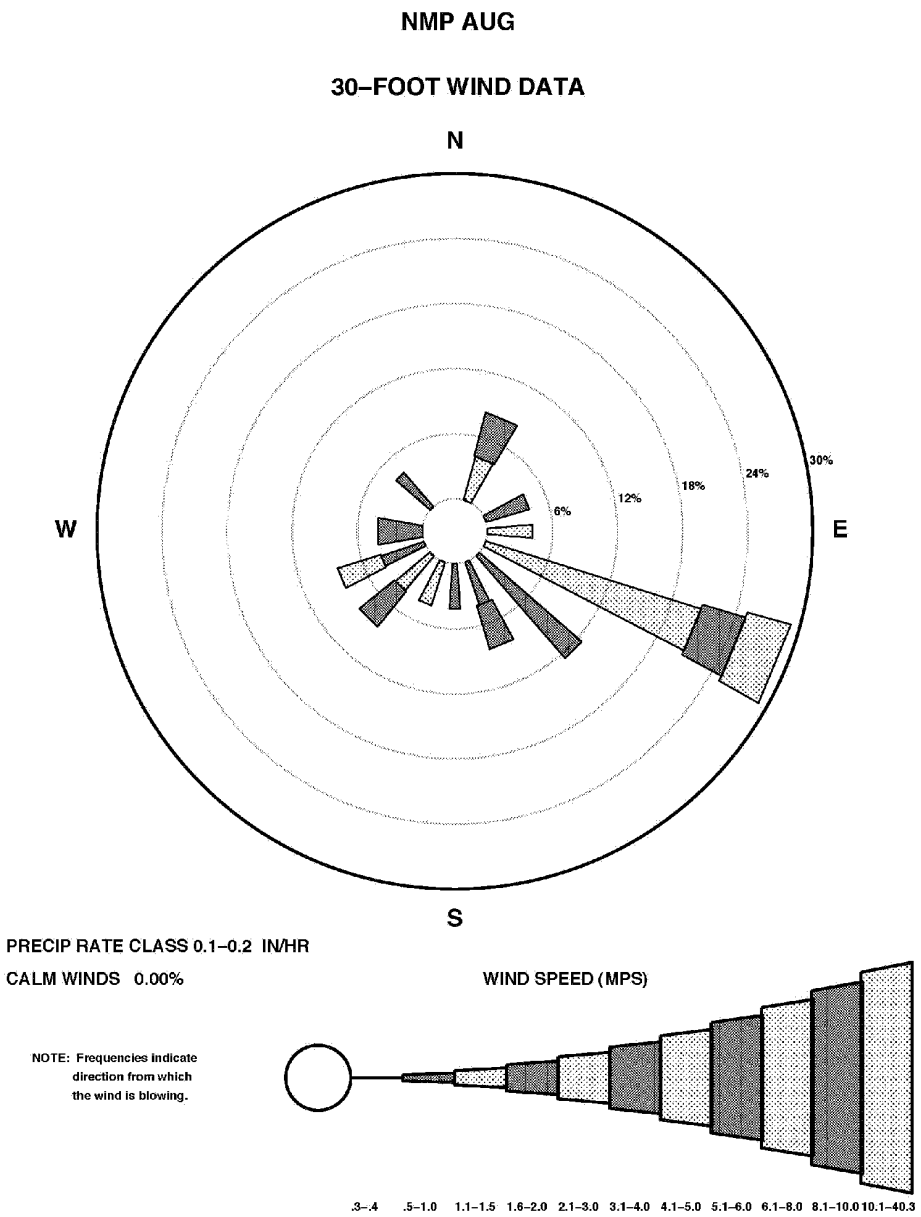

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Figure 2.3-69—{NMPNS 30 ft (9 m) September Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

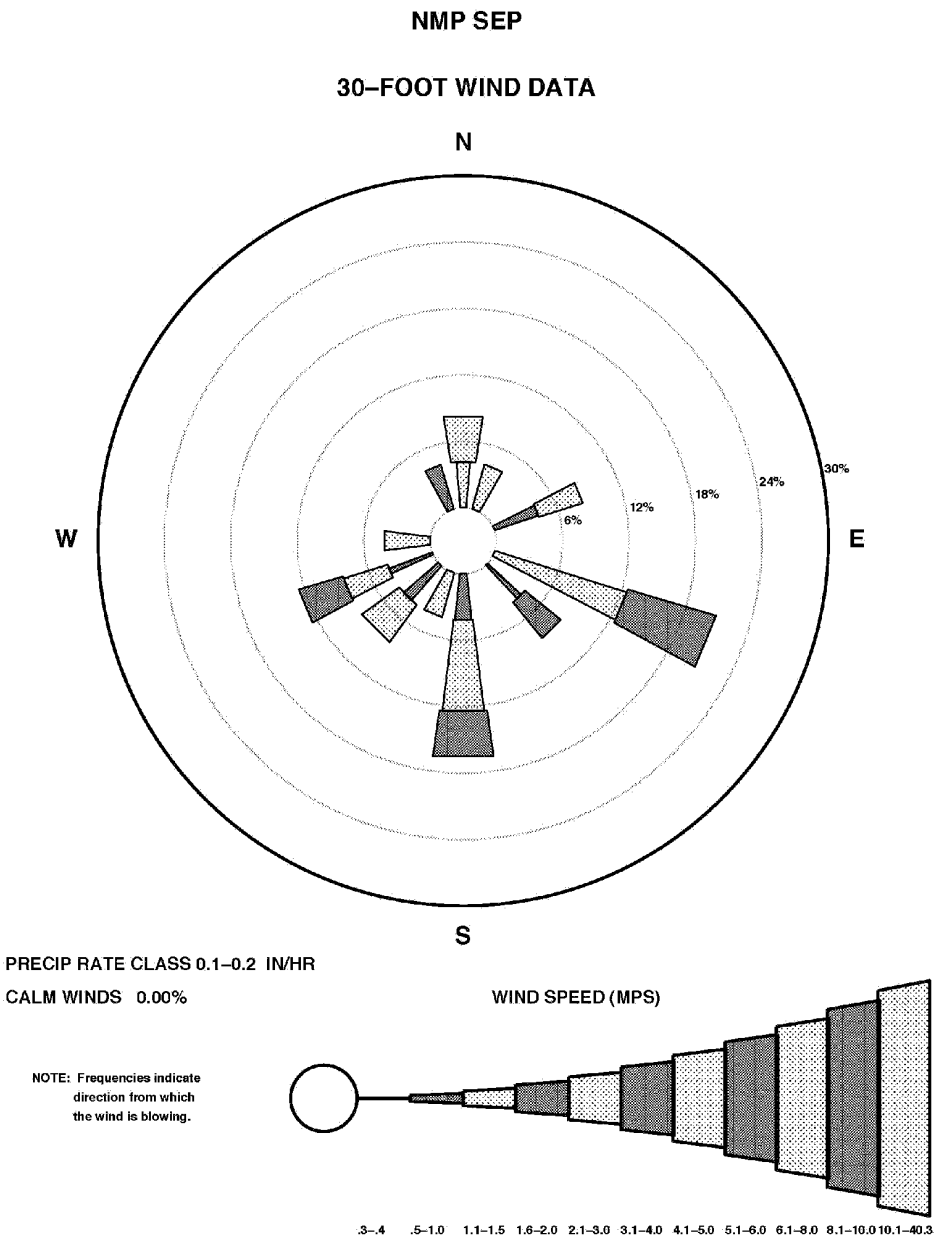

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Figure 2.3-70—{NMPNS 30 ft (9 m) October Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

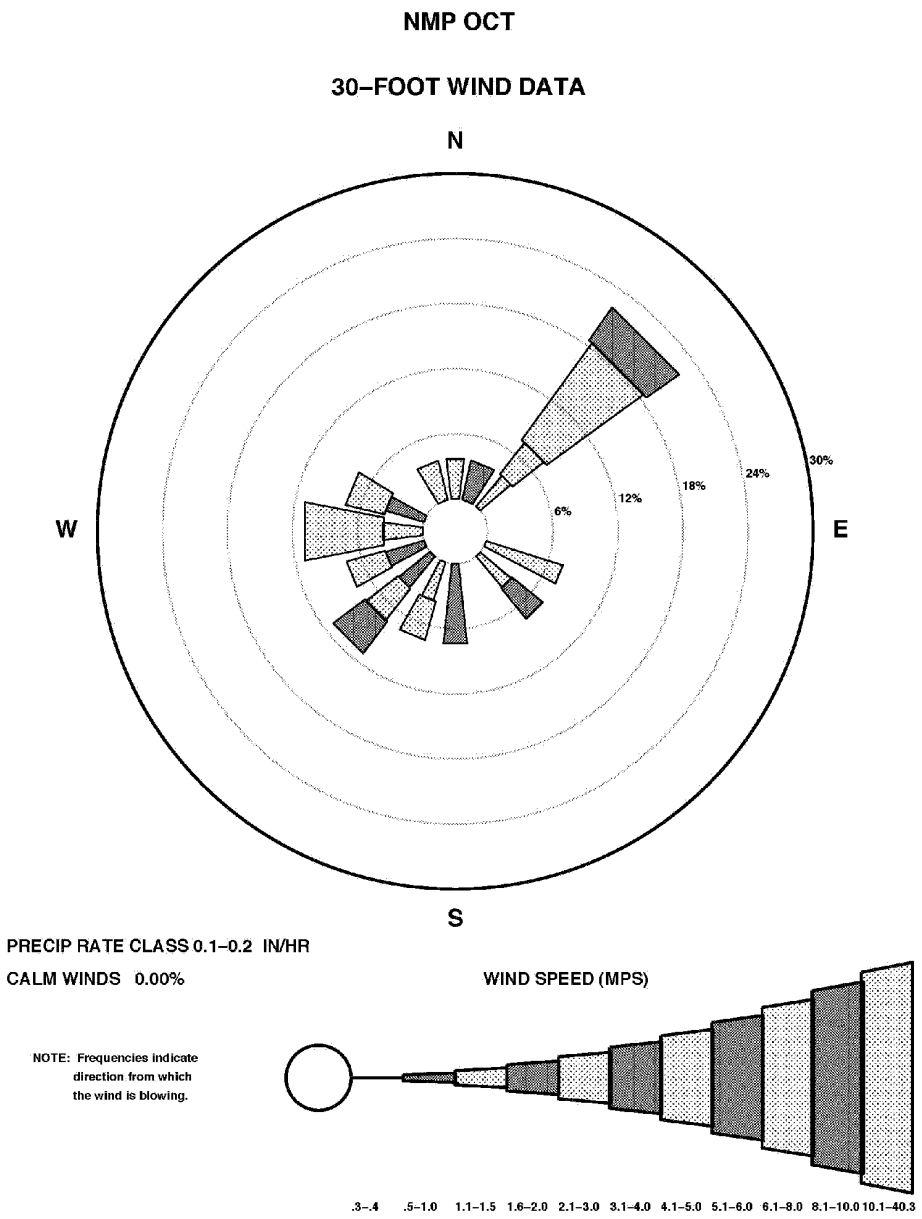

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Figure 2.3-71—{NMPNS 30 ft (9 m) November Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

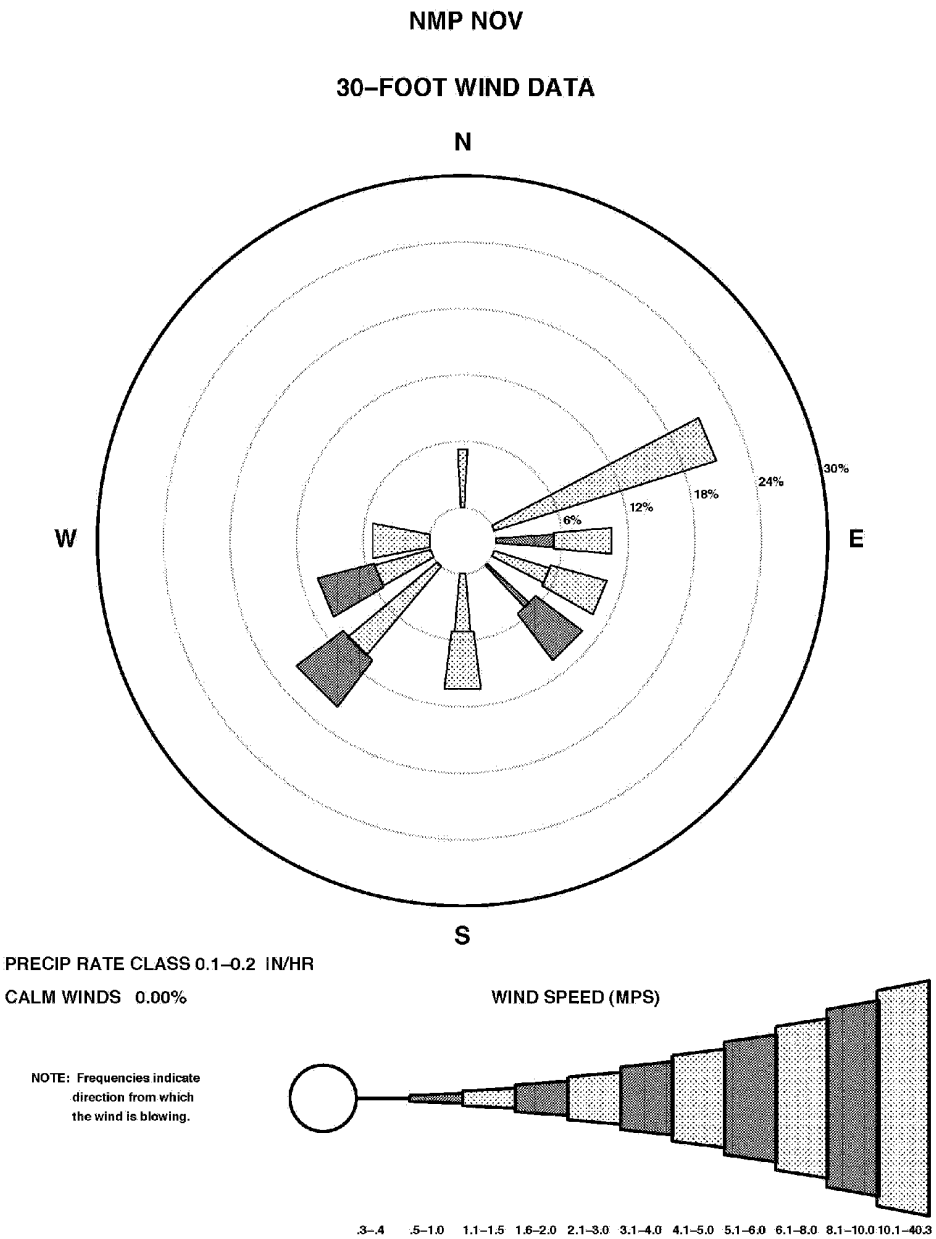

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Figure 2.3-72—{NMPNS 30 ft (9 m) December Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

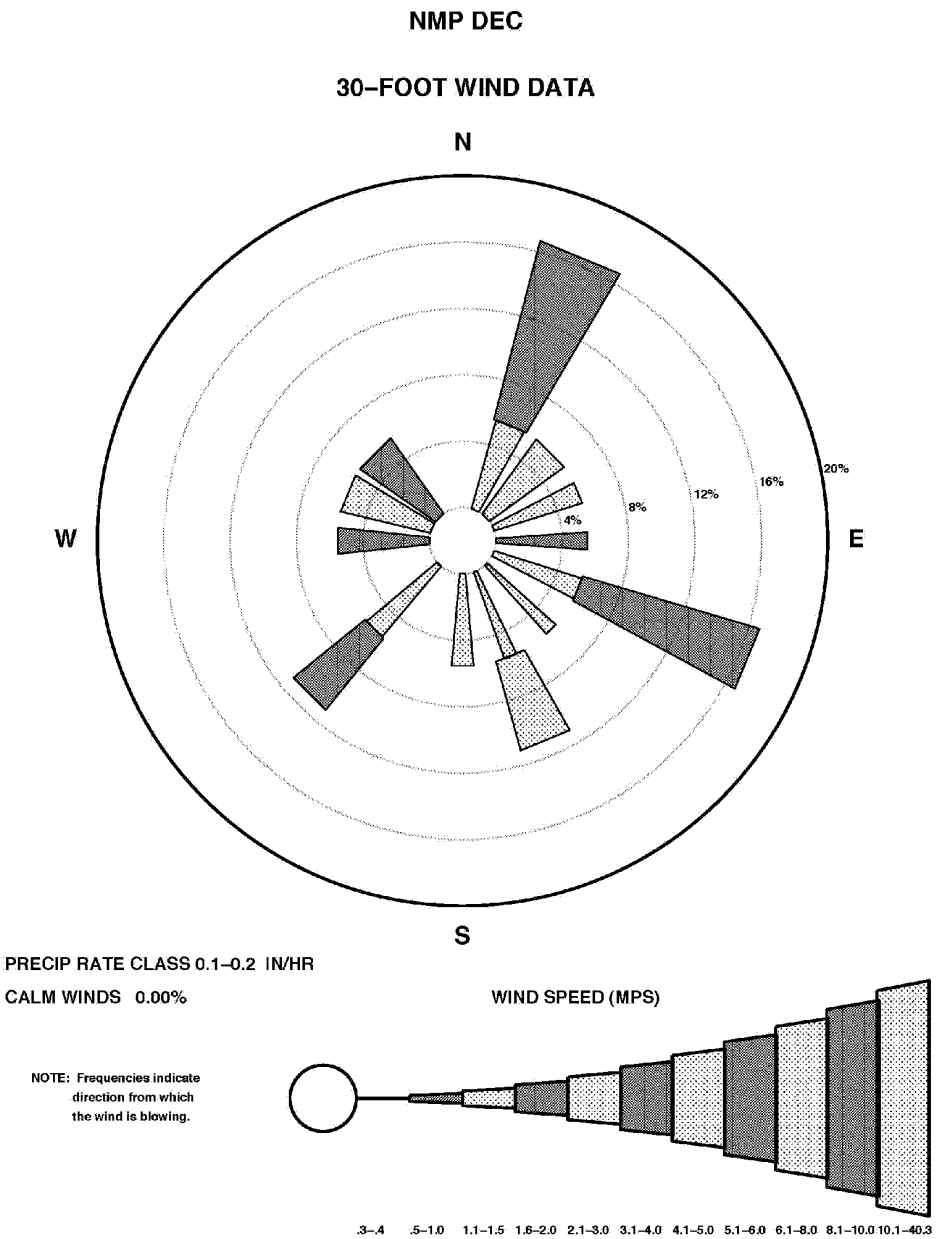

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Figure 2.3-73—{NMPNS 100 ft (30 m) January Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

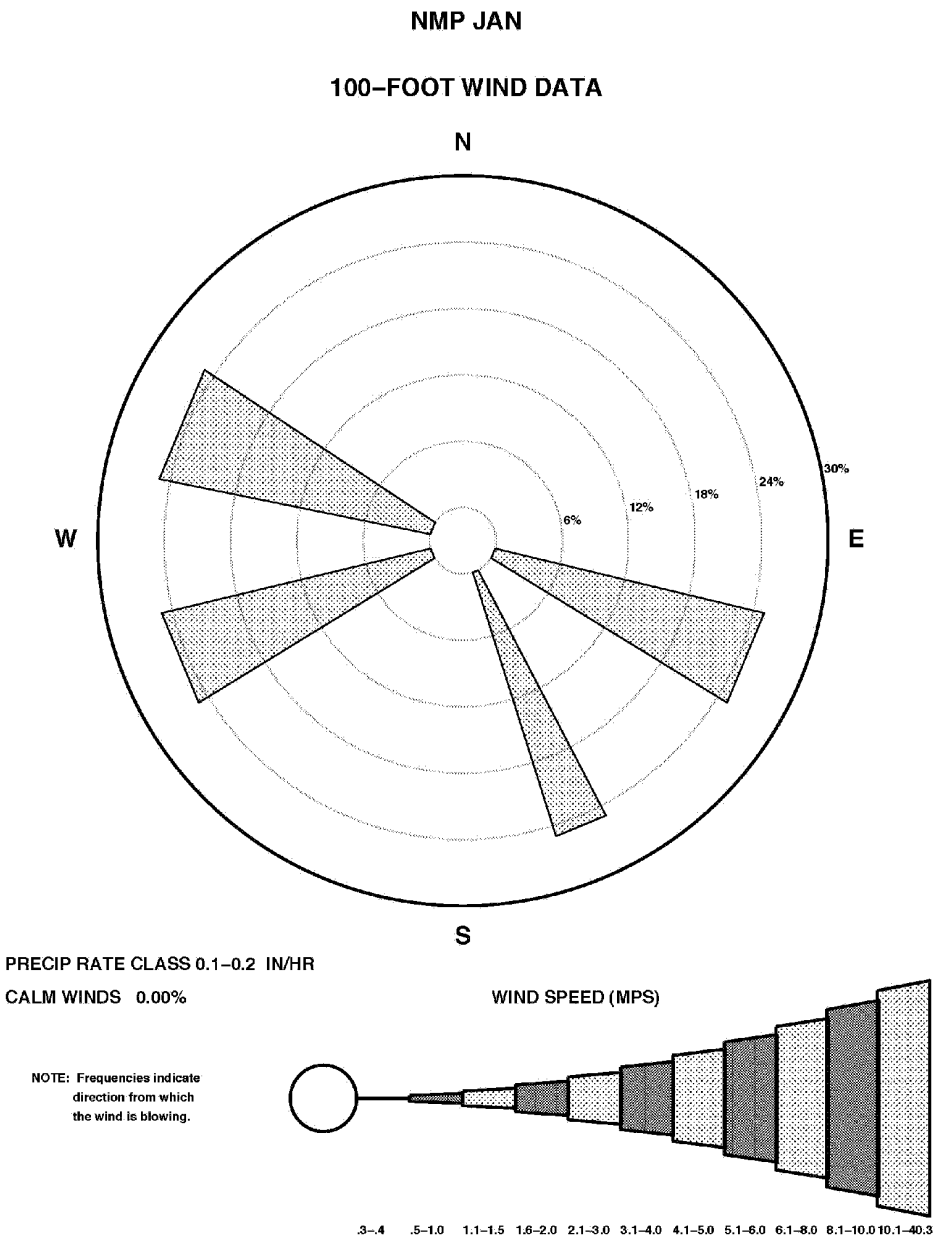

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Figure 2.3-74—{NMPNS 100 ft (30 m) February Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

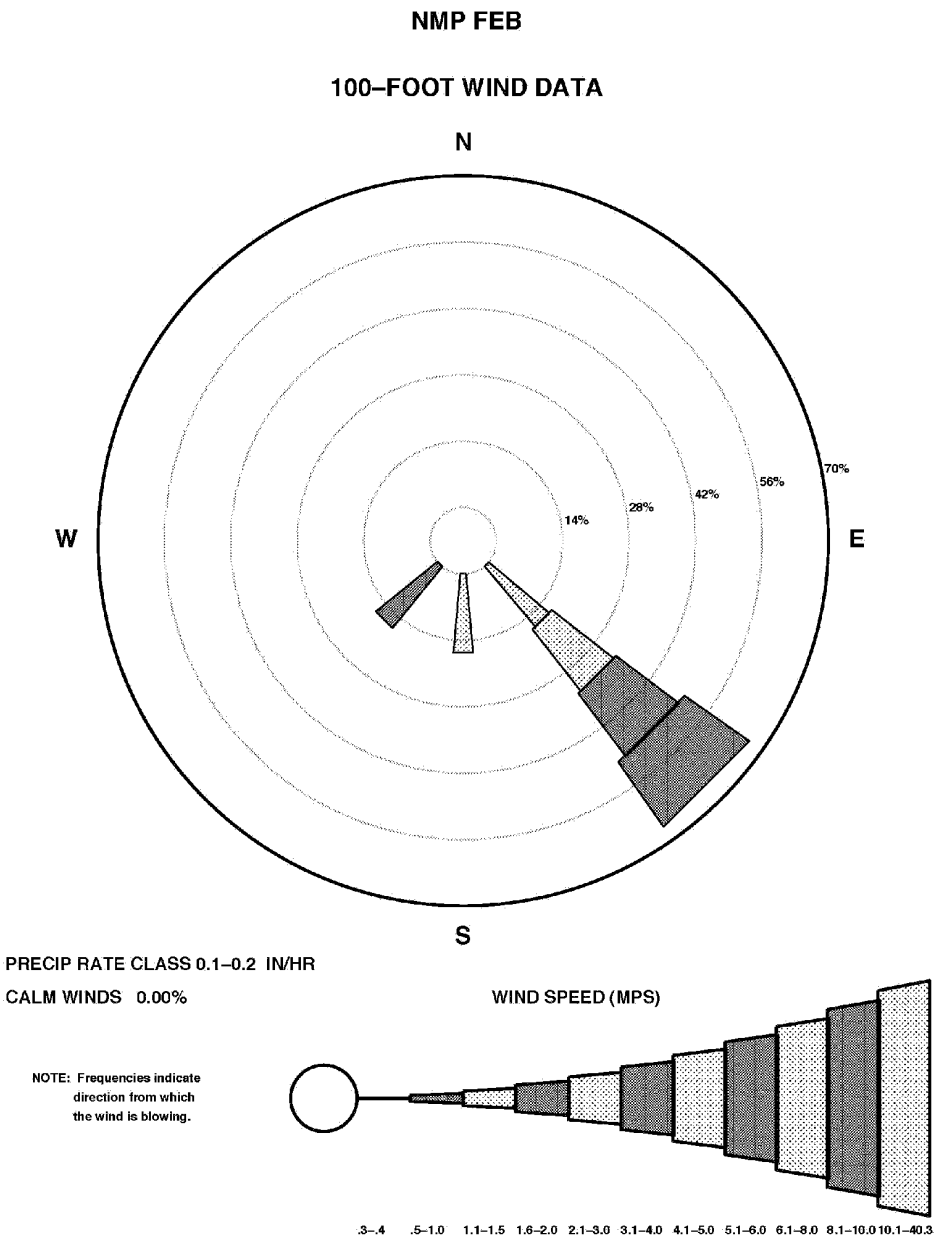

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Figure 2.3-75—{NMPNS 100 ft (30 m) March Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

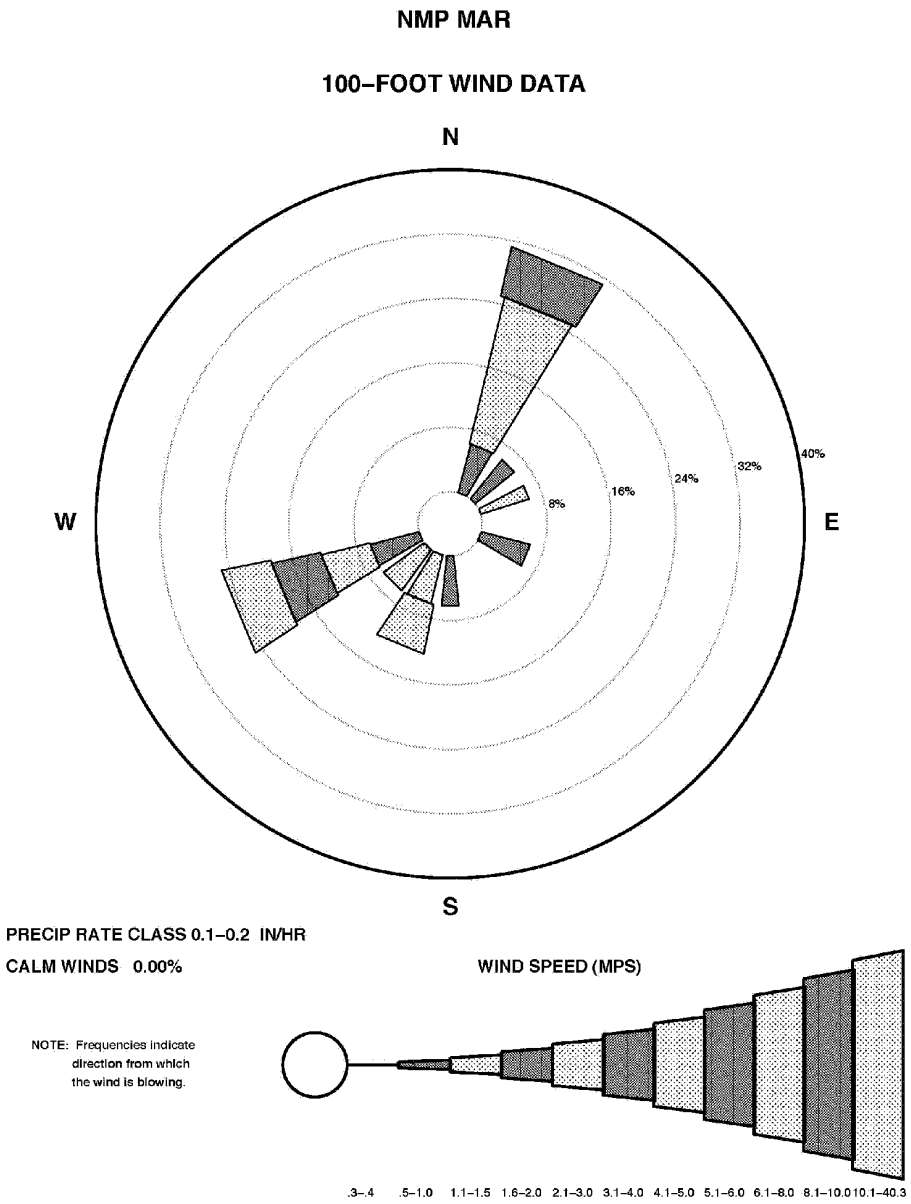

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Figure 2.3-76—{NMPNS 100 ft (30 m) April Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

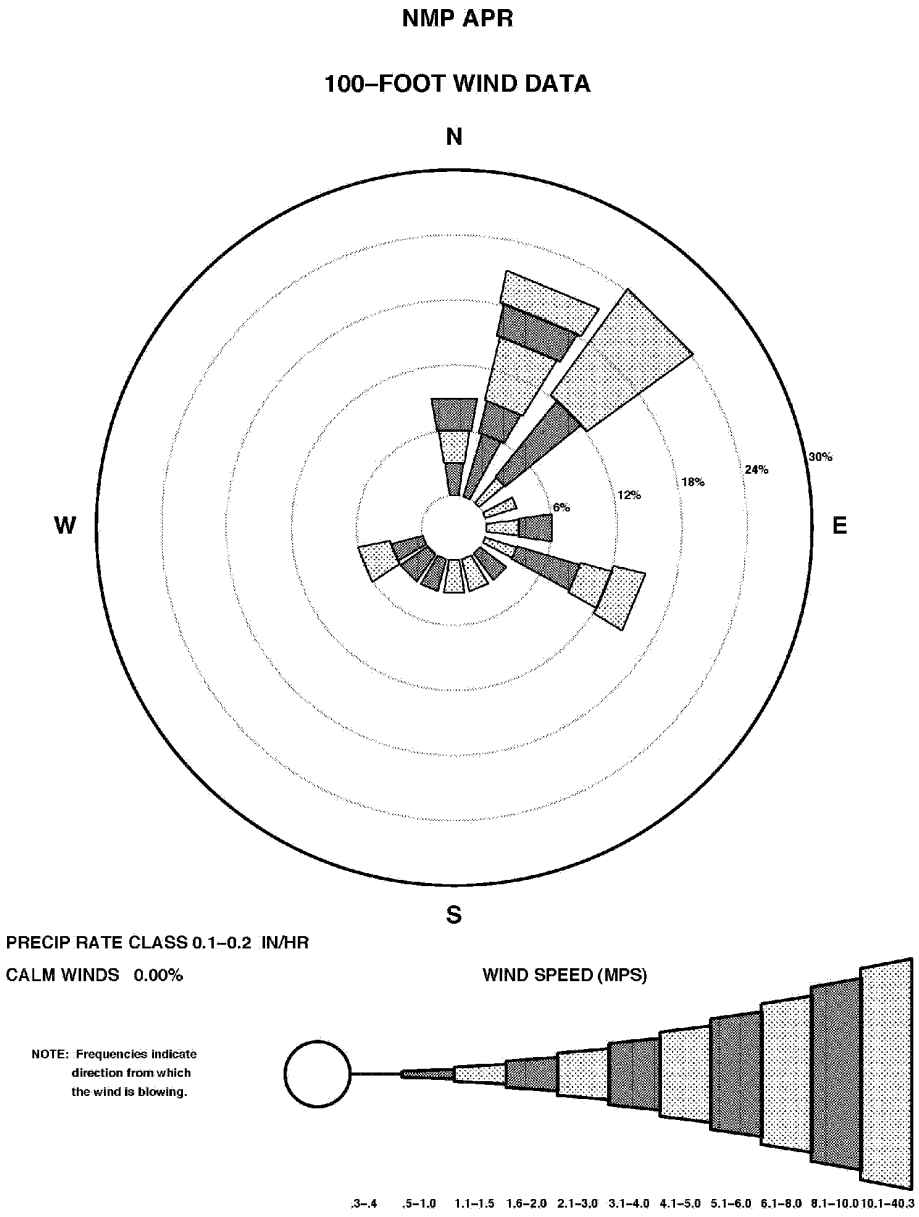

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Figure 2.3-77—{NMPNS 100 ft (30 m) May Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

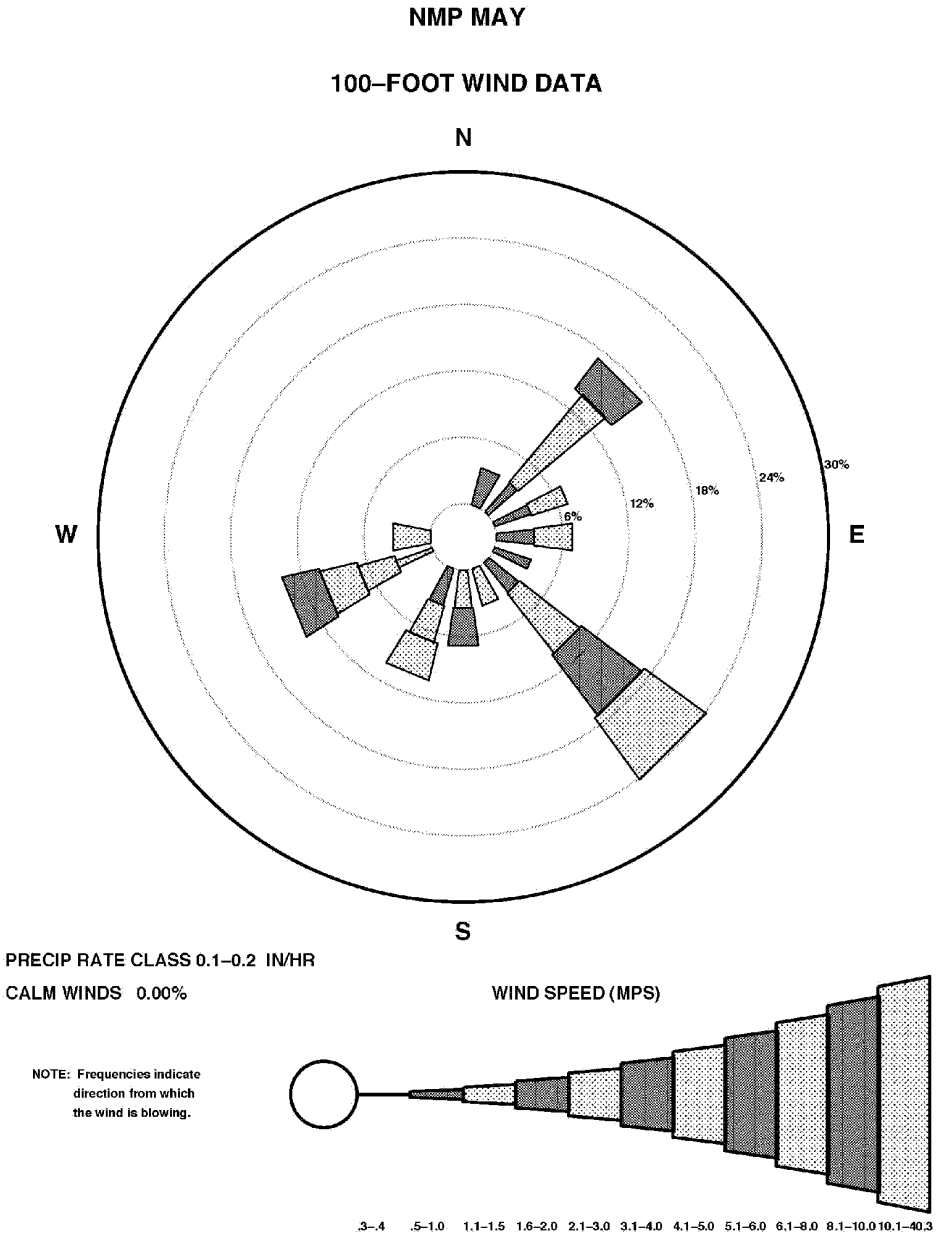

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Figure 2.3-78—{NMPNS 100 ft (30 m) June Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

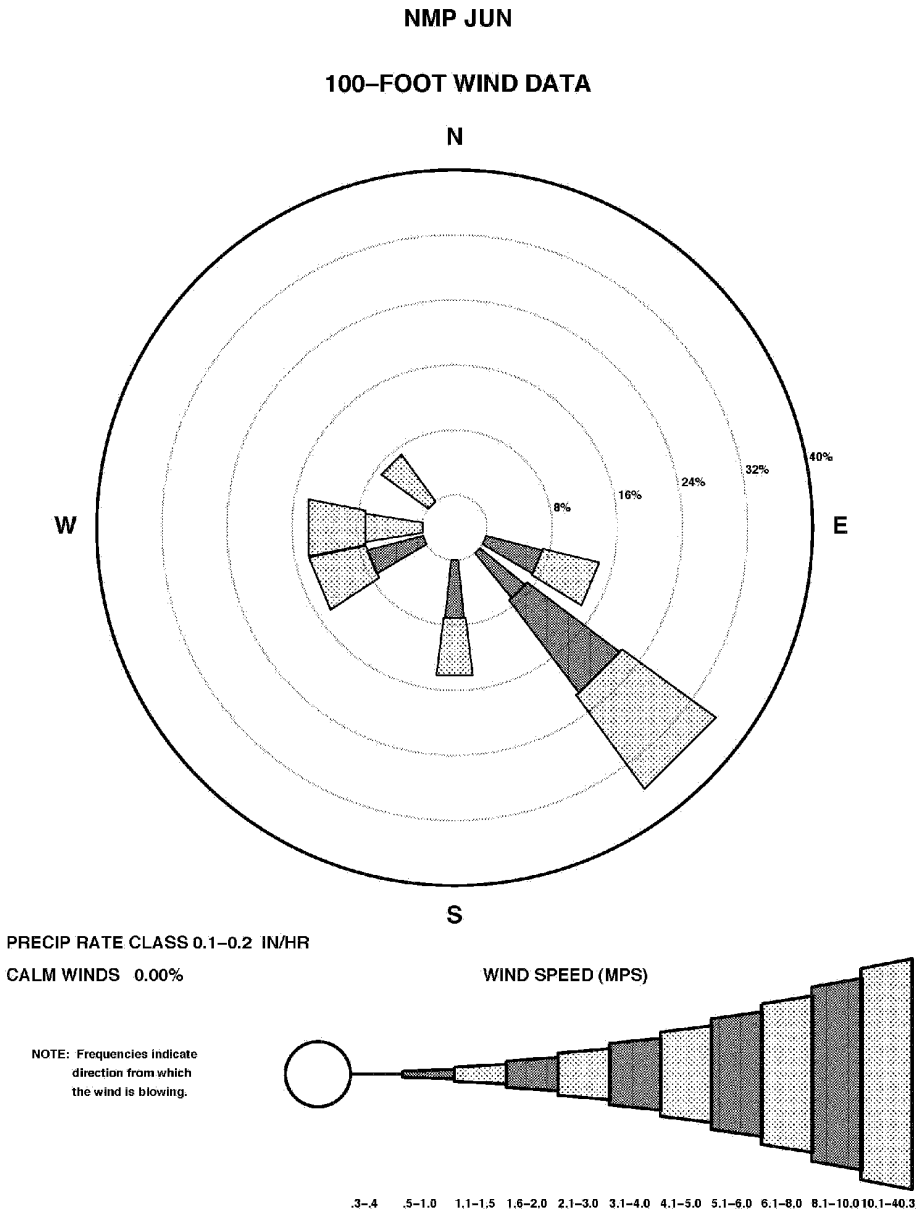

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Figure 2.3-79—{NMPNS 100 ft (30 m) July Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

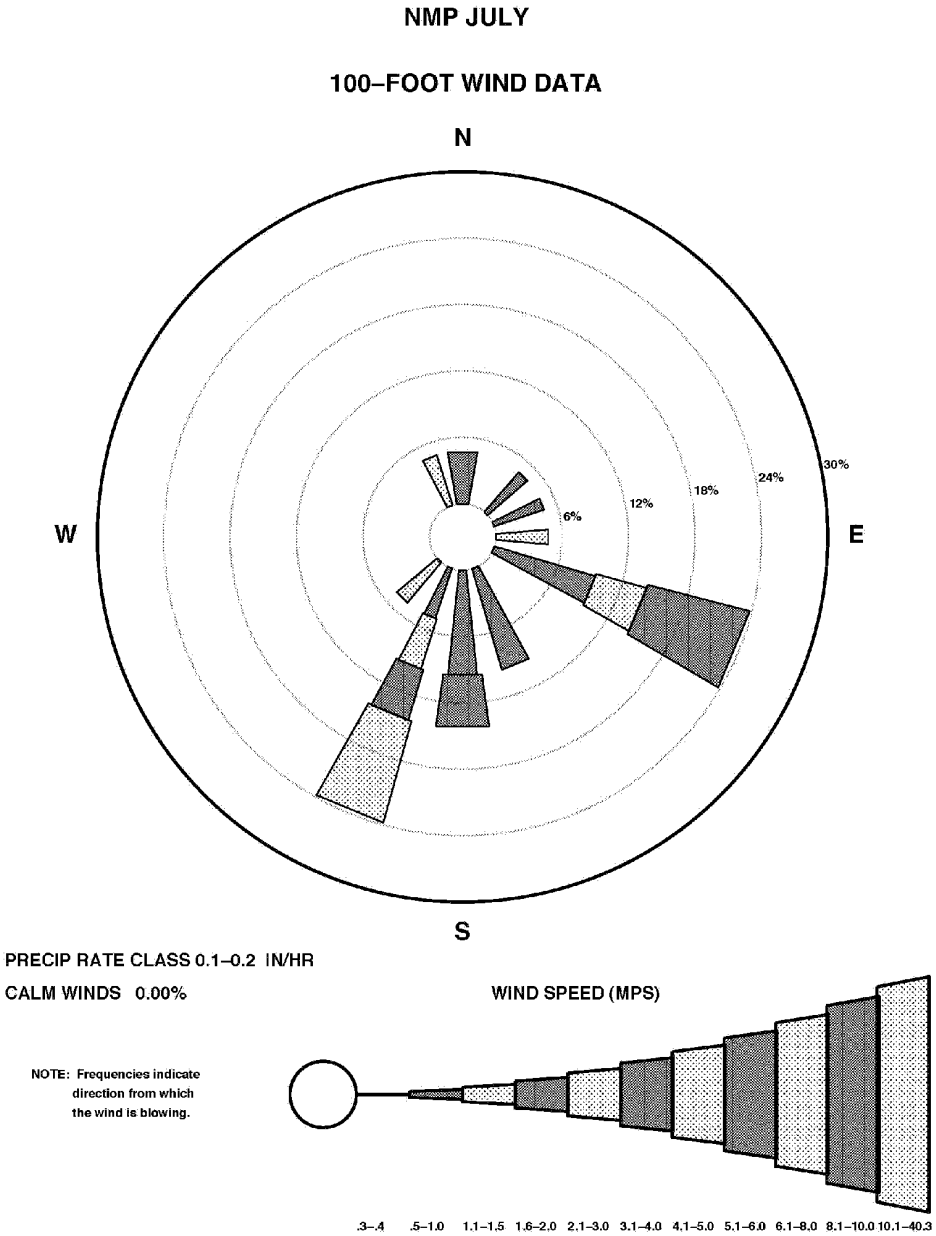

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Figure 2.3-80—{NMPNS 100 ft (30 m) August Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

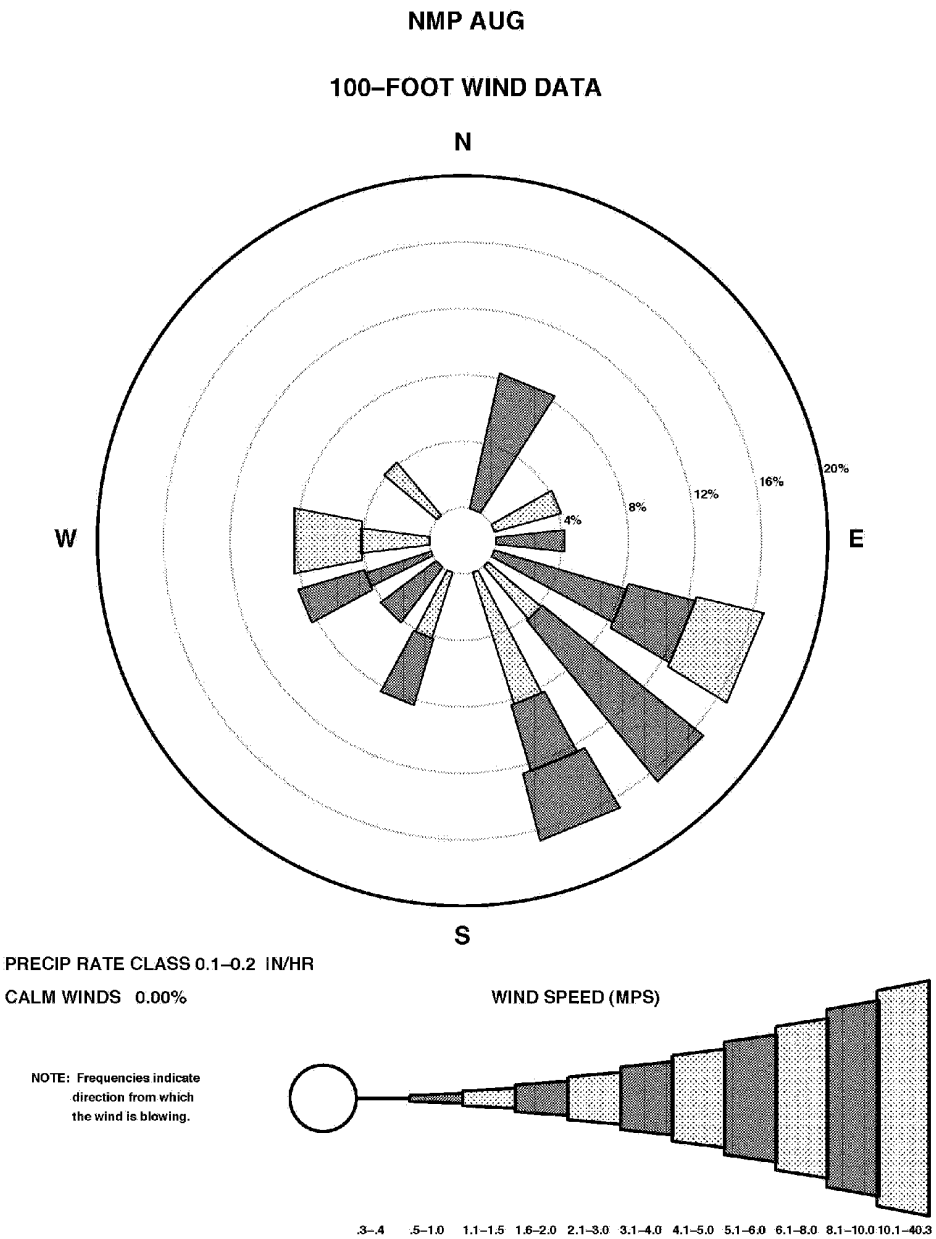

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Figure 2.3-81—{NMPNS 100 ft (30 m) September Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

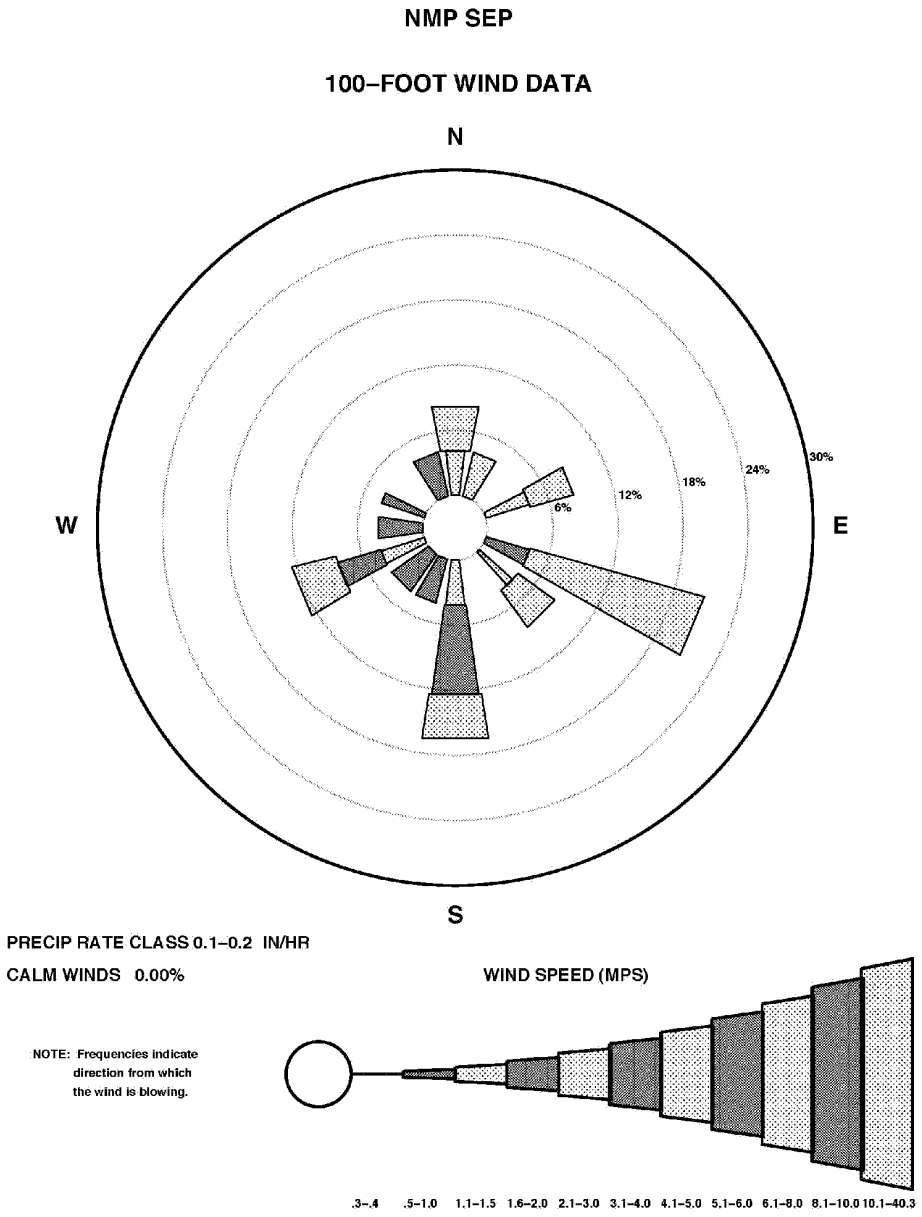

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Figure 2.3-82—{NMPNS 100 ft (30 m) October Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

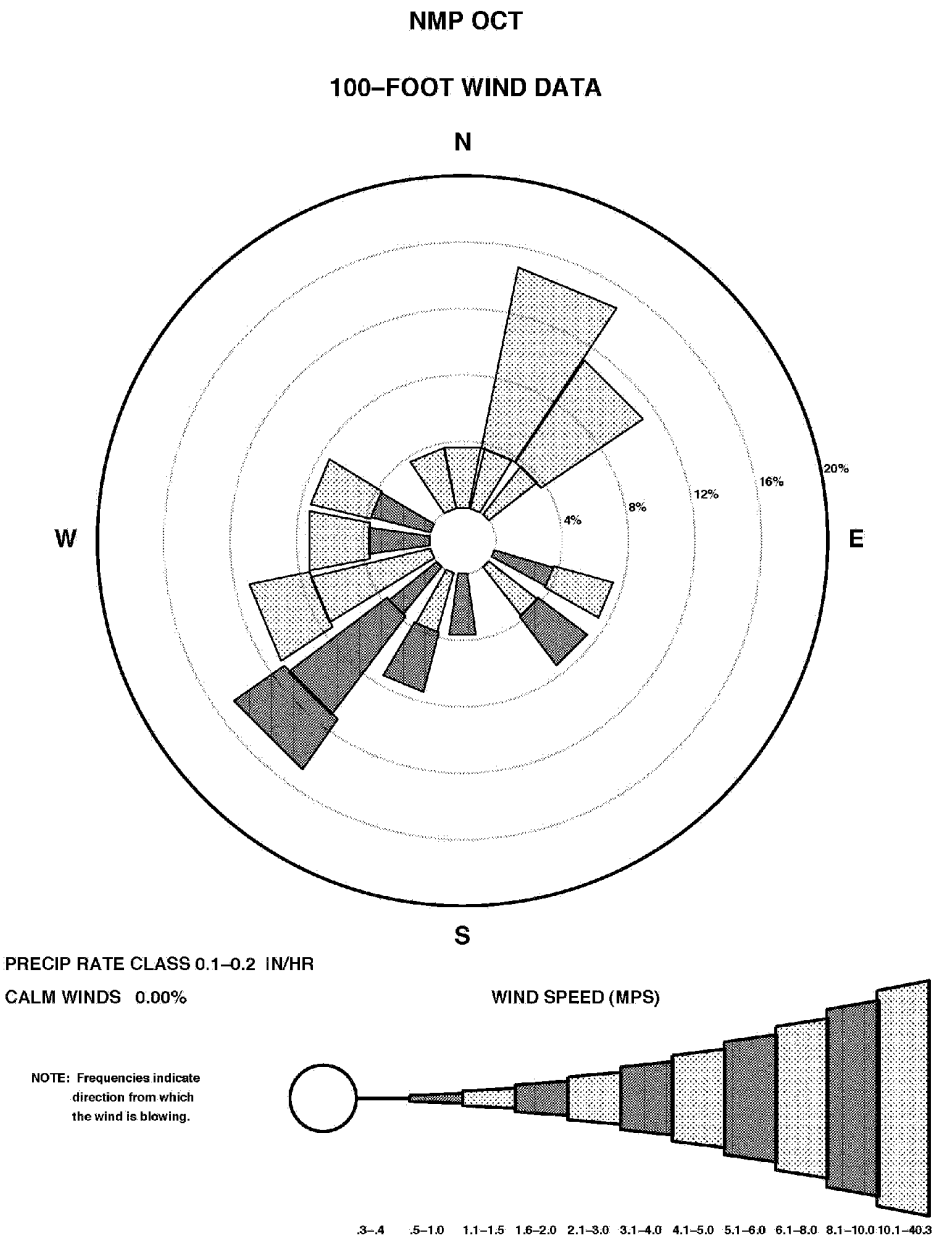

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Figure 2.3-83—{NMPNS 100 ft (30 m) November Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

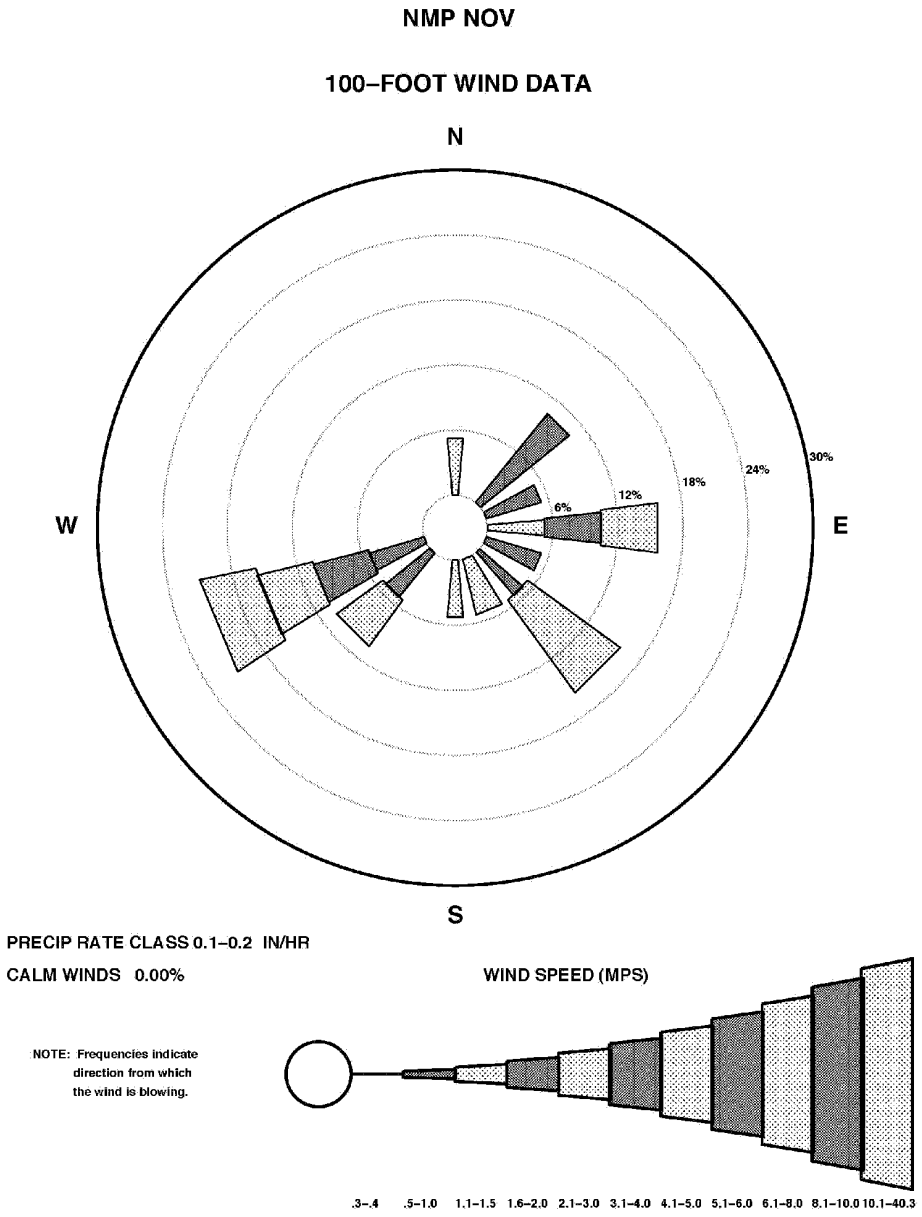

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Figure 2.3-84—{NMPNS 100 ft (30 m) December Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

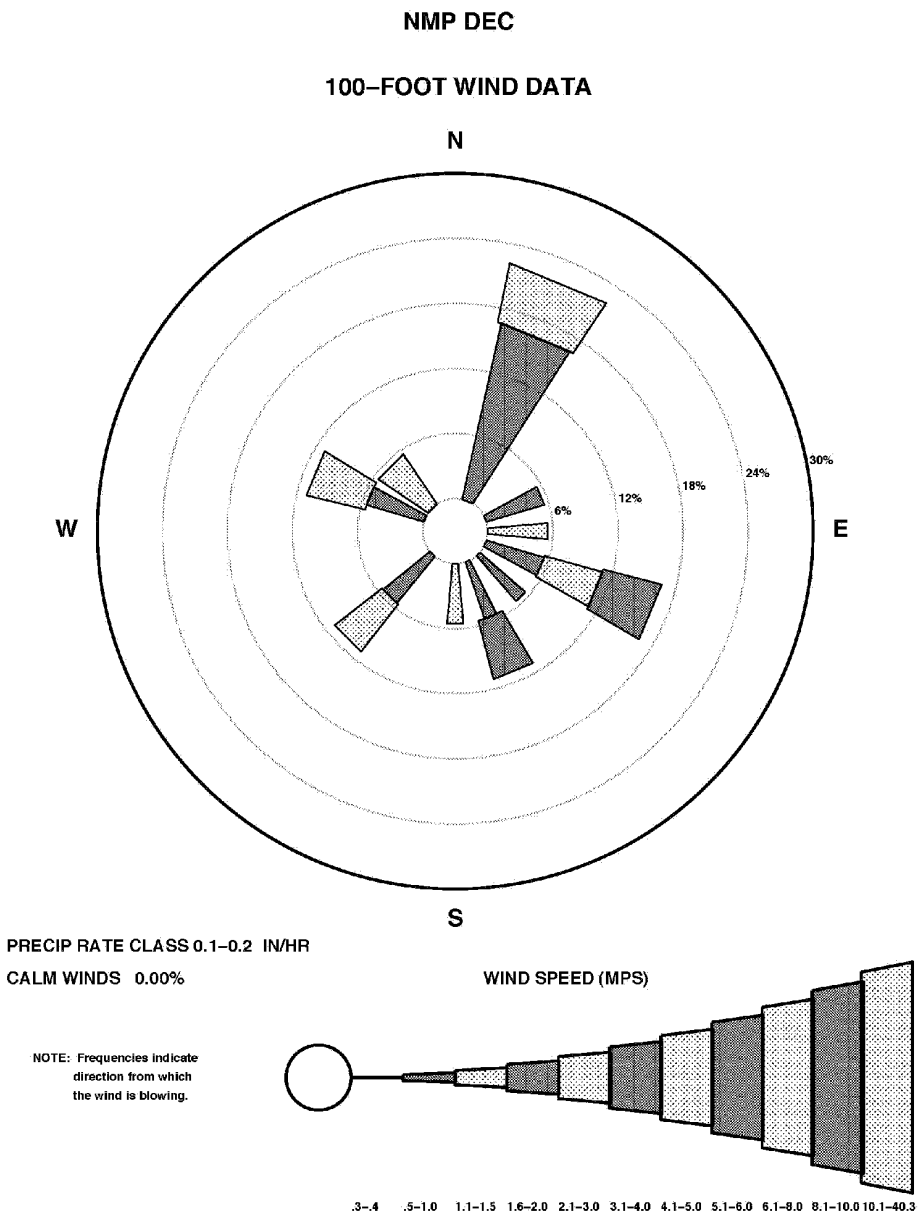

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Figure 2.3-85—{NMPNS 200 ft (61 m) January Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

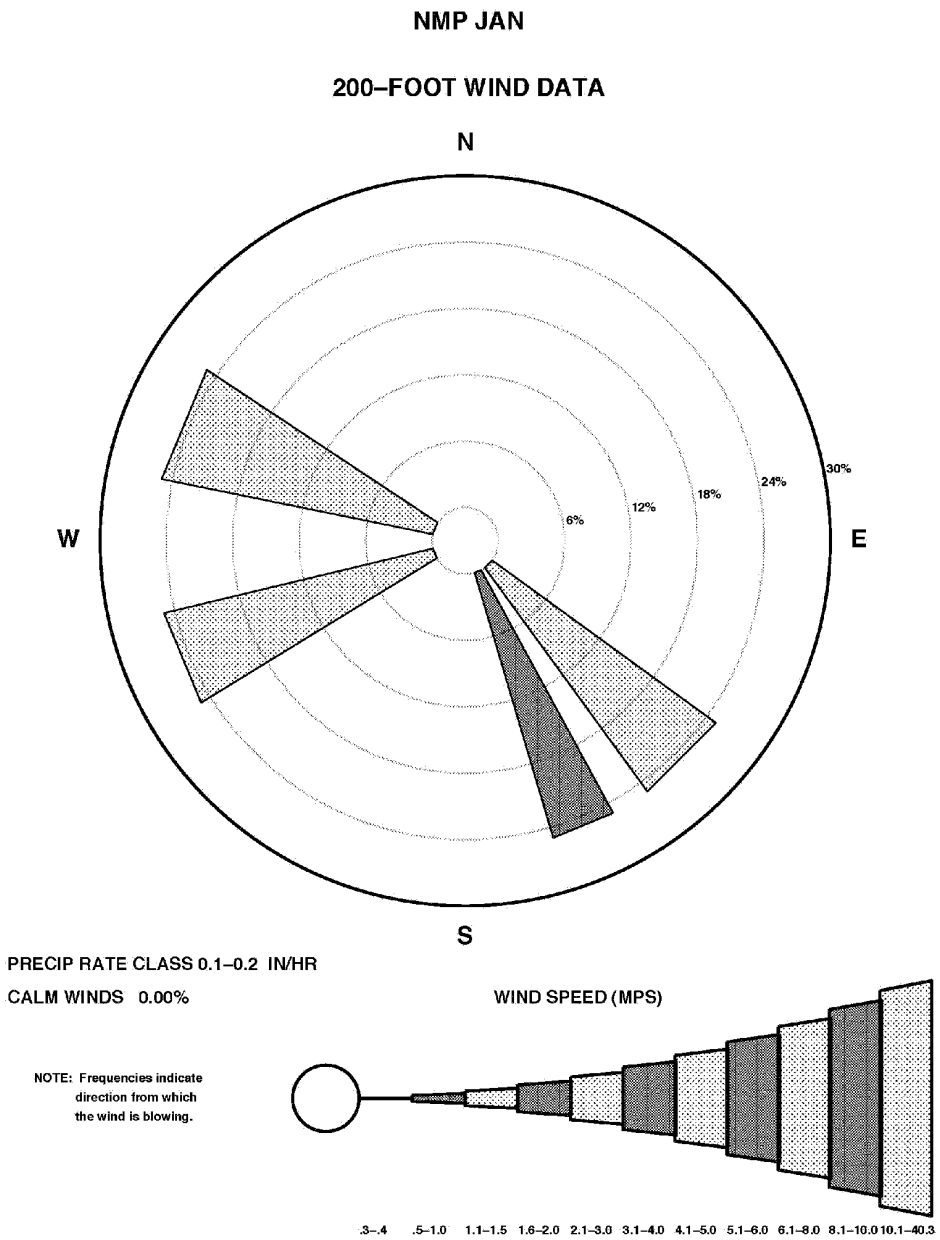

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Figure 2.3-86—{NMPNS 200 ft (61 m) February Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

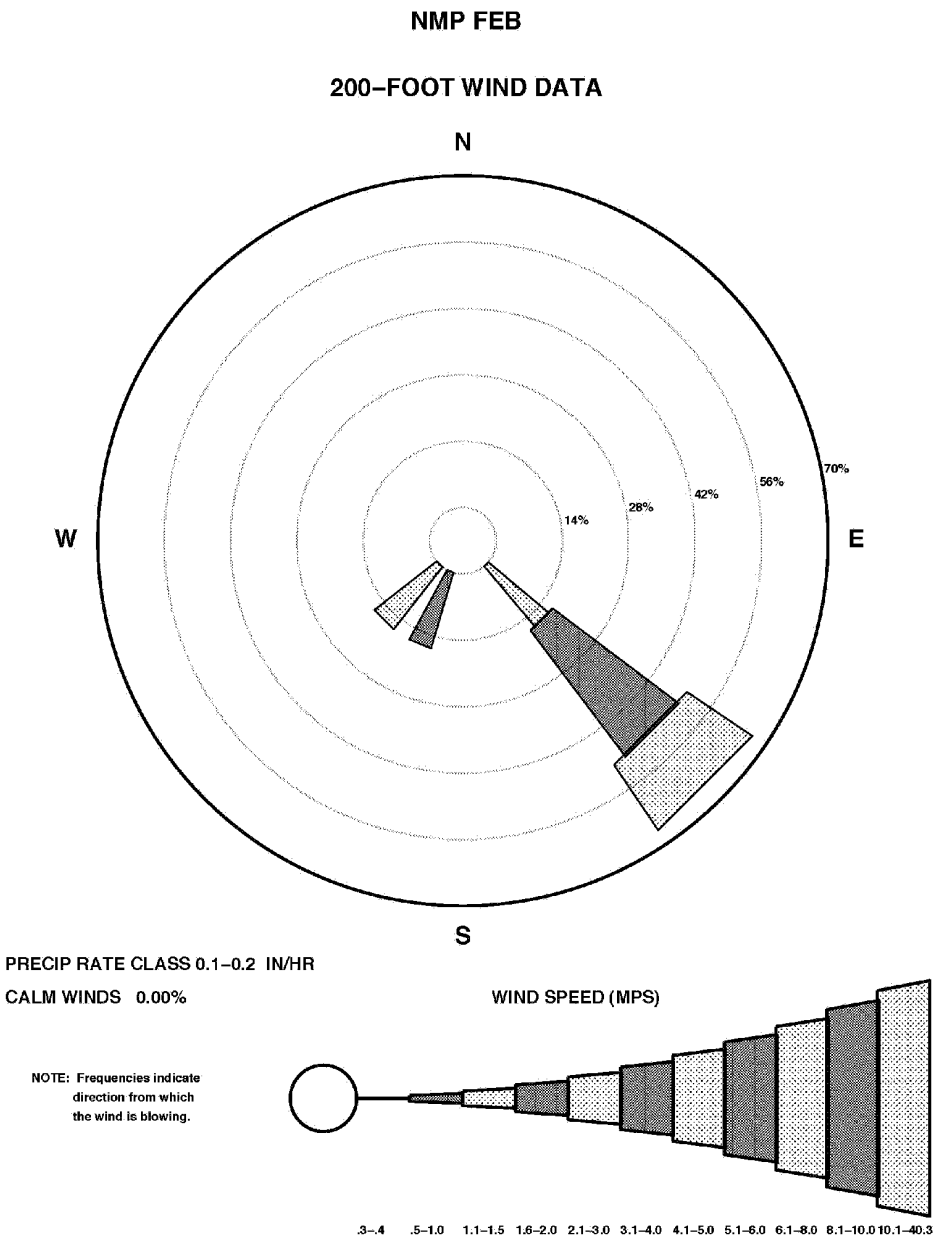

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Figure 2.3-87—{NMPNS 200 ft (61 m) March Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

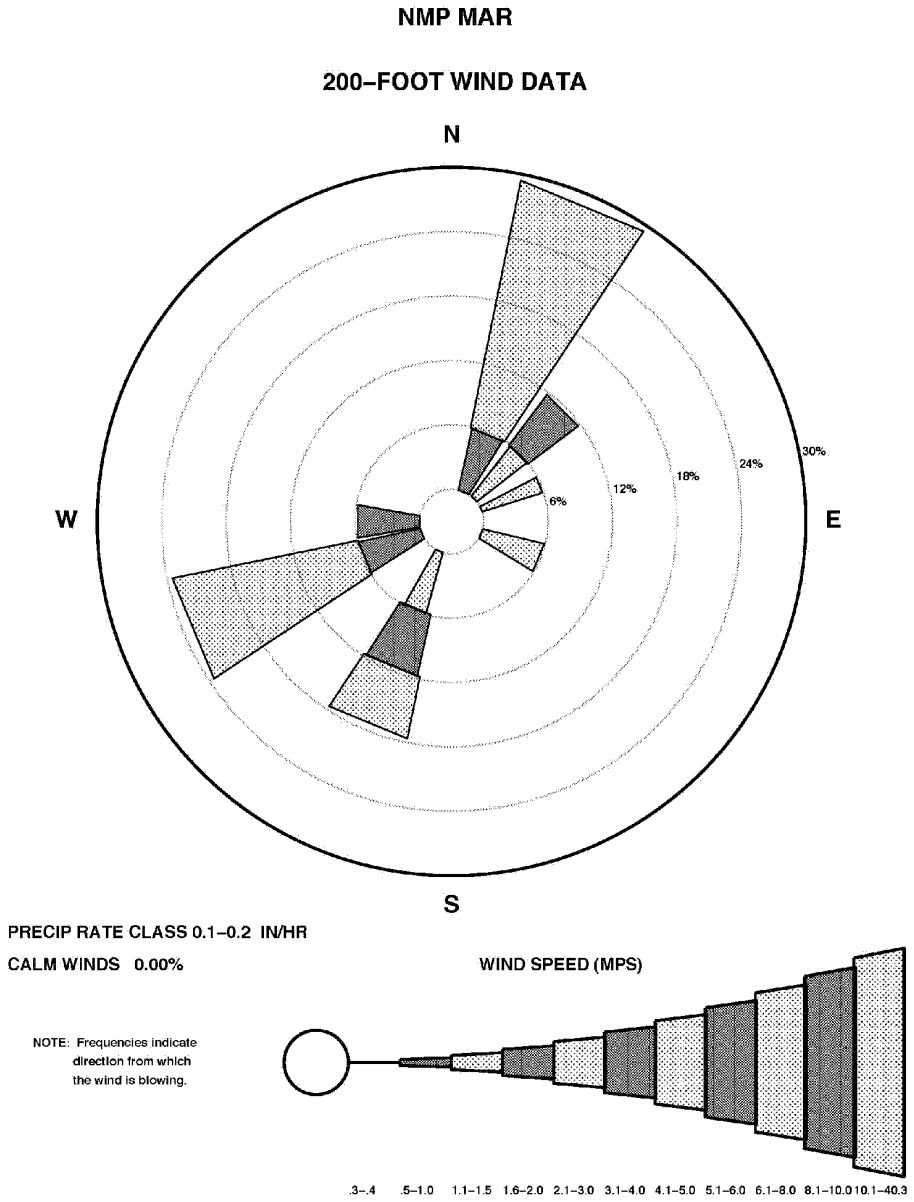

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Figure 2.3-88—{NMPNS 200 ft (61 m) April Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

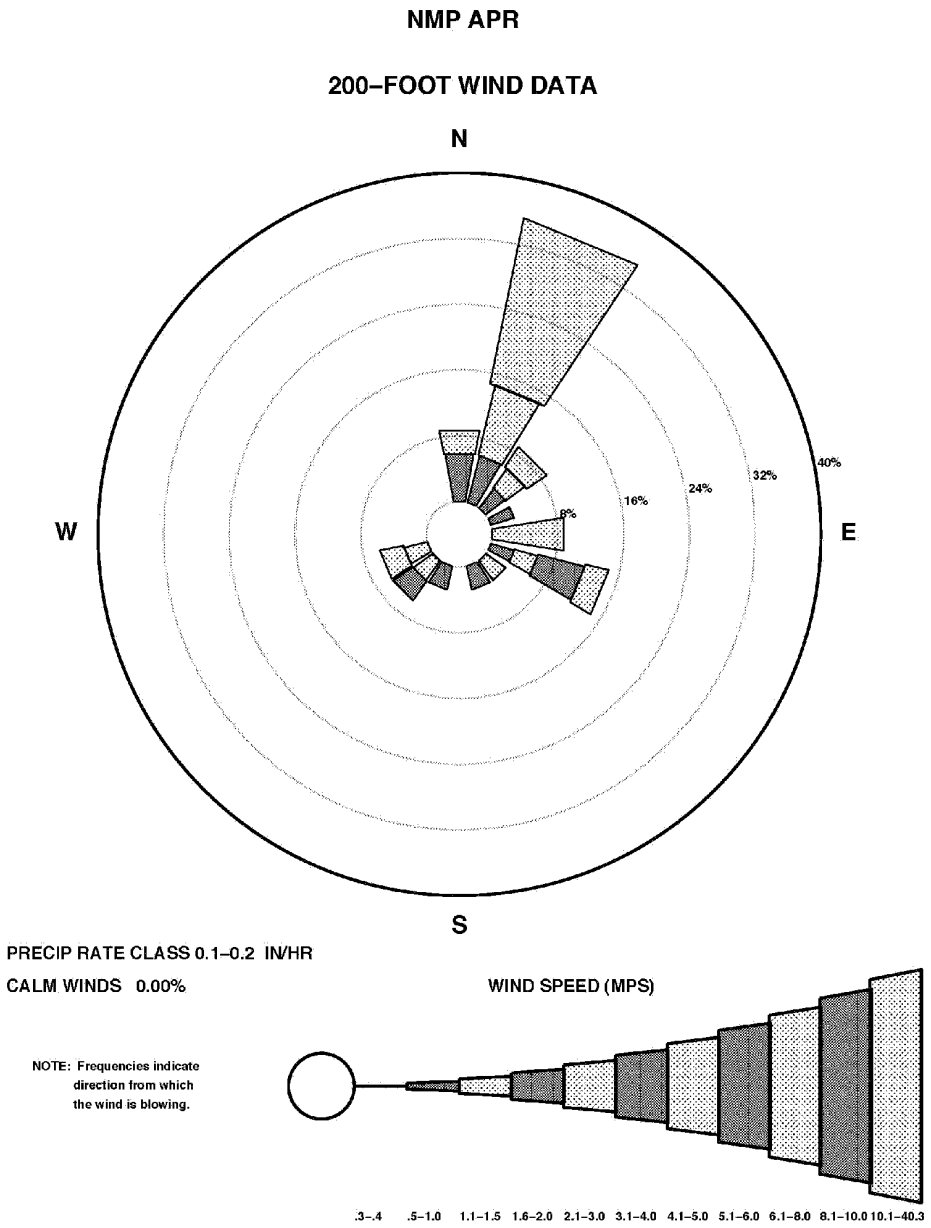

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Figure 2.3-89—{NMPNS 200 ft (61 m) May Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

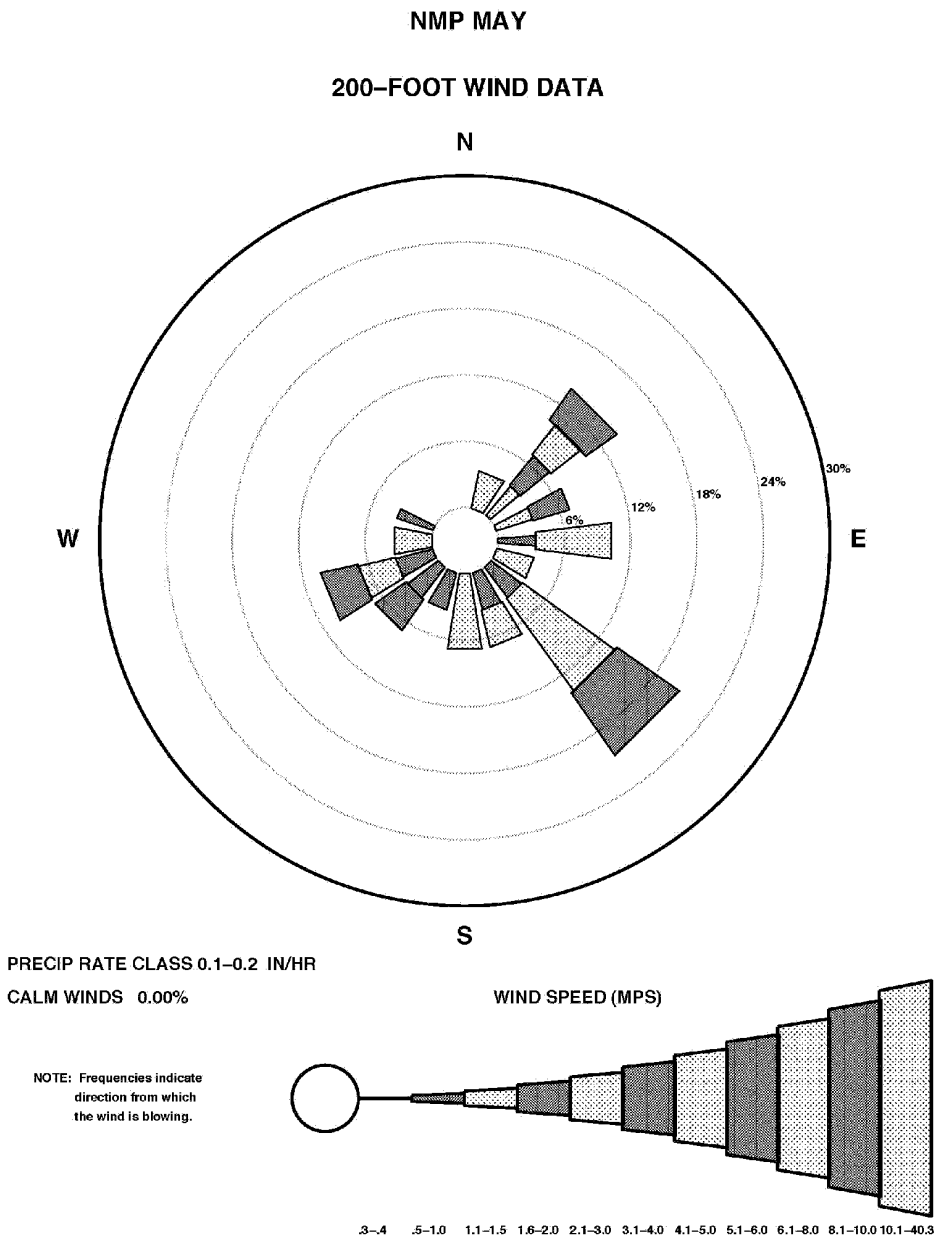

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Figure 2.3-90—{NMPNS 200 ft (61 m) June Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

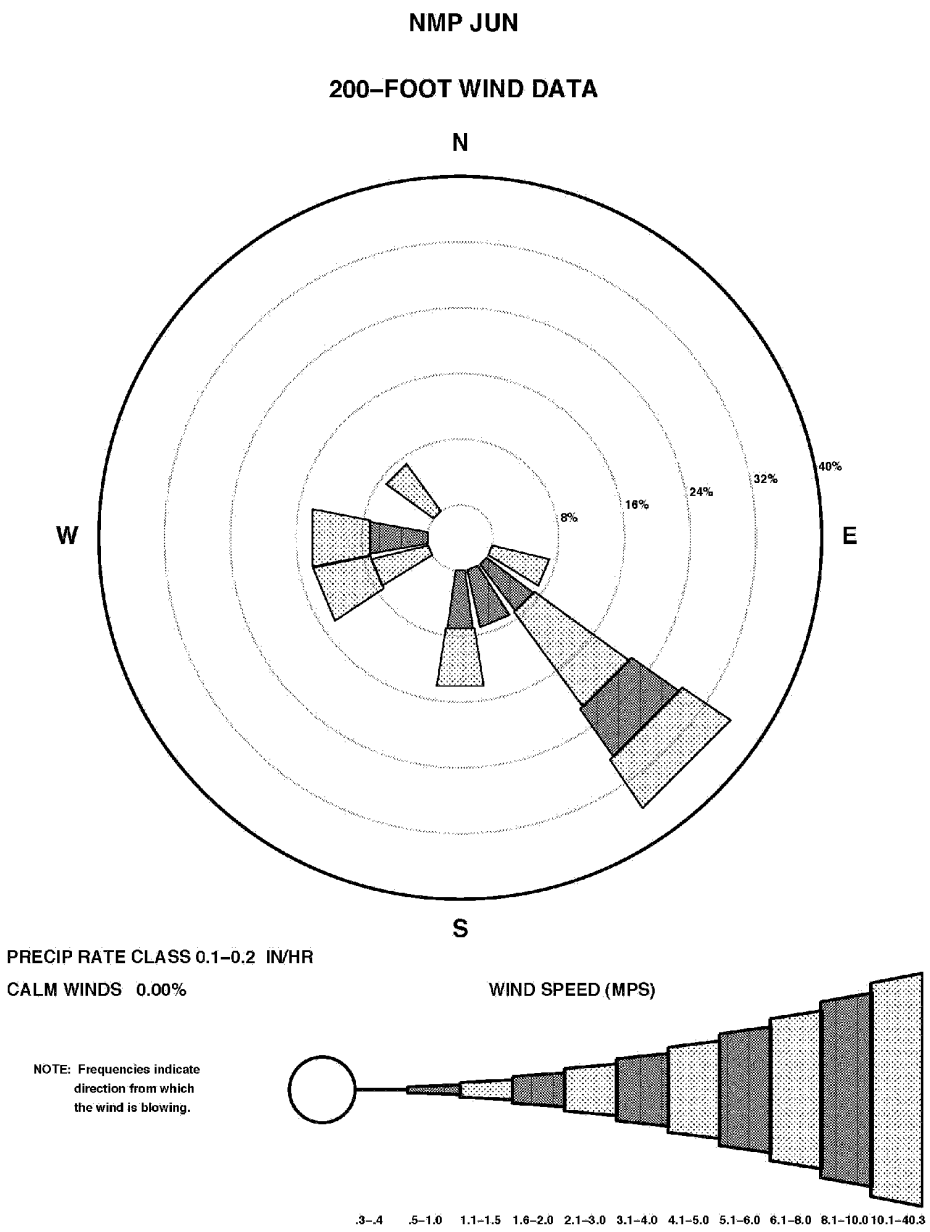

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Figure 2.3-91—{NMPNS 200 ft (61 m) July Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

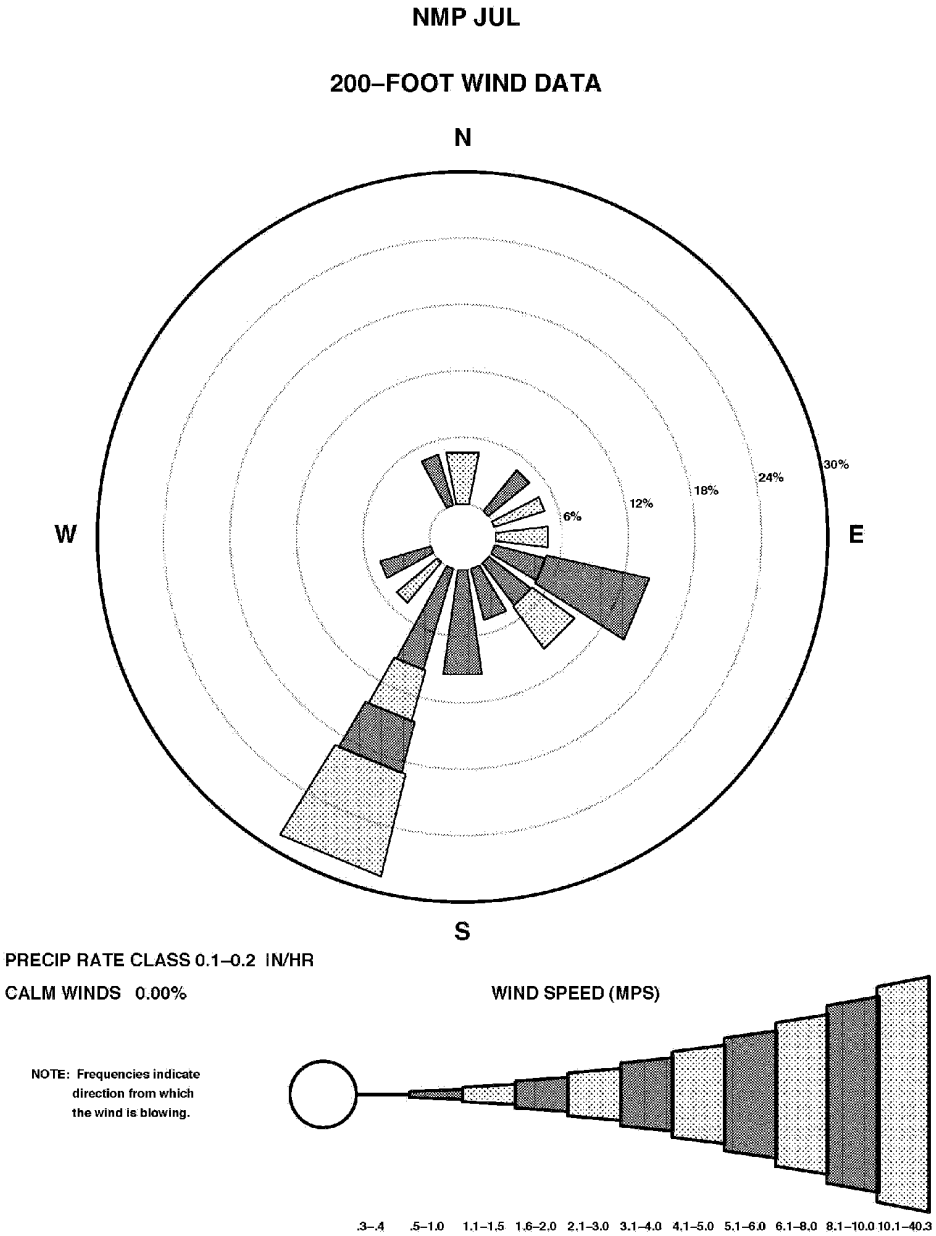

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Figure 2.3-92—{NMPNS 200 ft (61 m) August Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

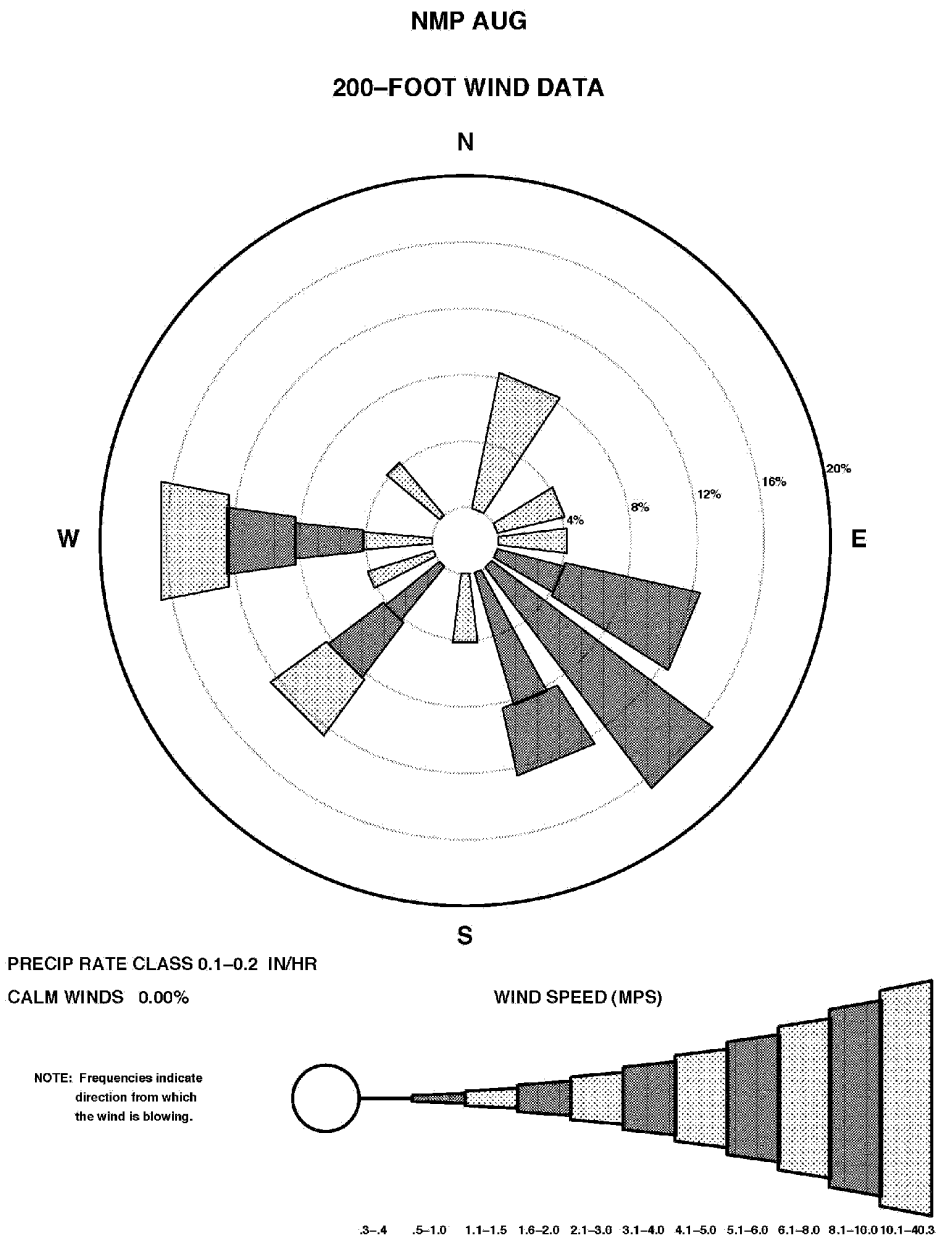

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Figure 2.3-93—{NMPNS 200 ft (61 m) September Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

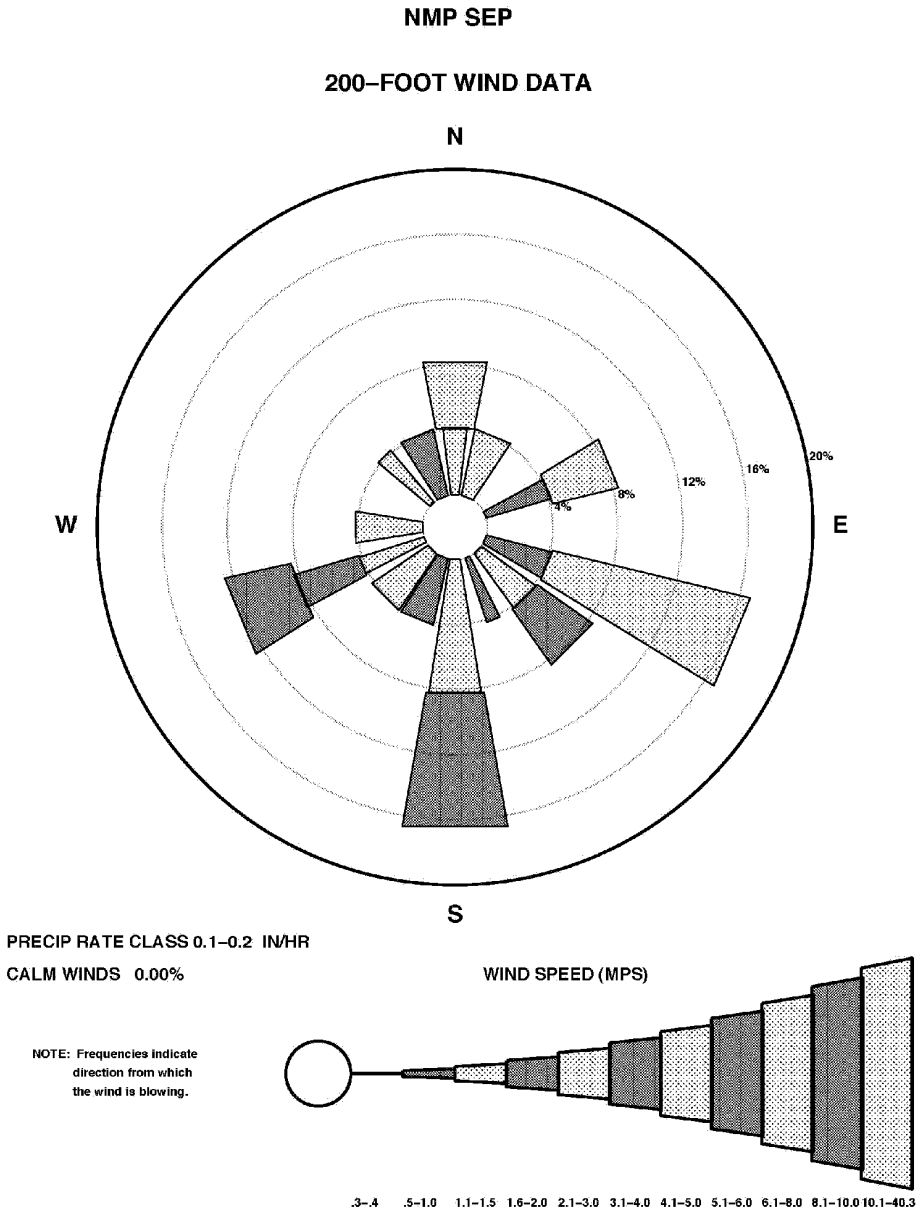

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Figure 2.3-94—{NMPNS 200 ft (61 m) October Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

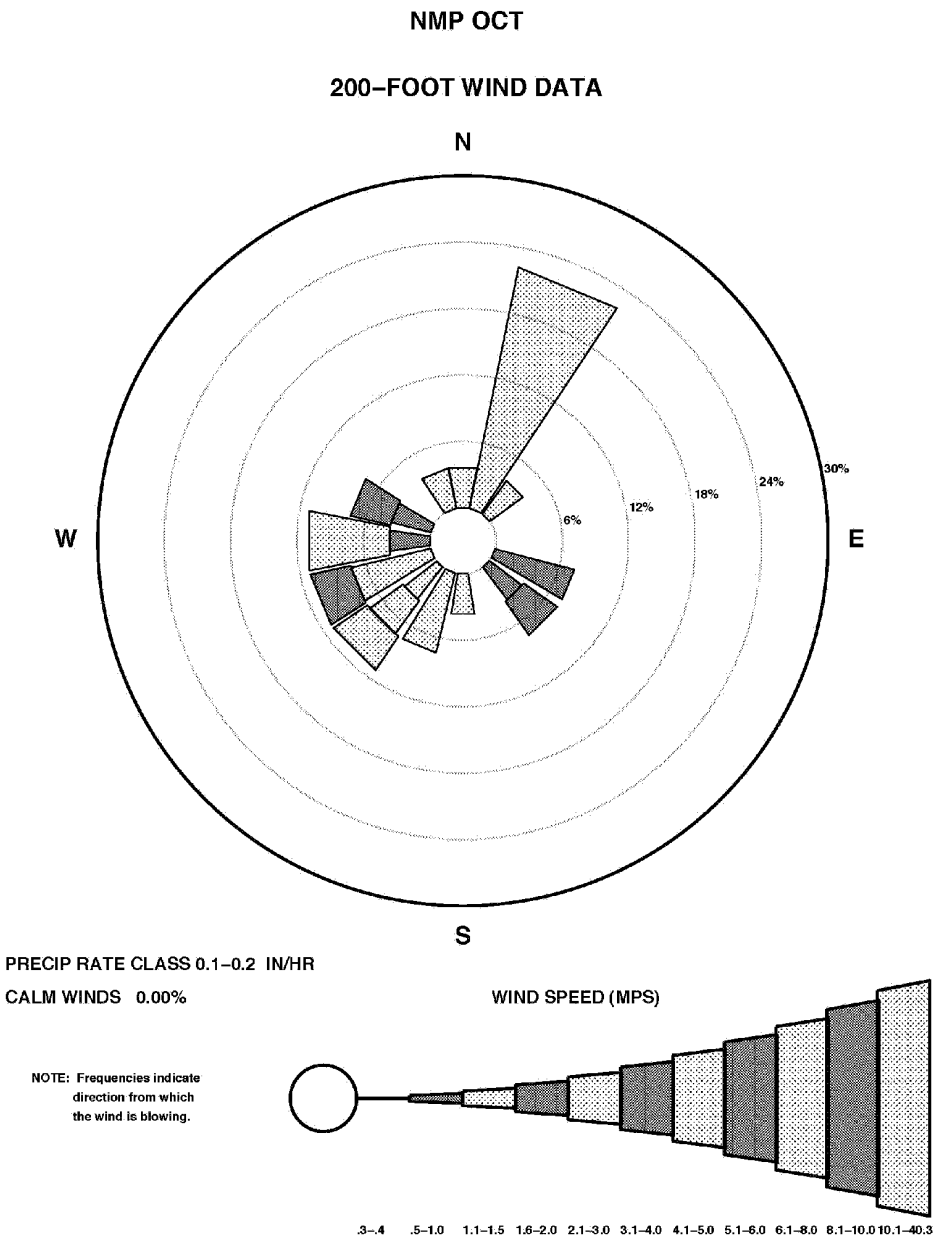

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Figure 2.3-95—{NMPNS 200 ft (61 m) November Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

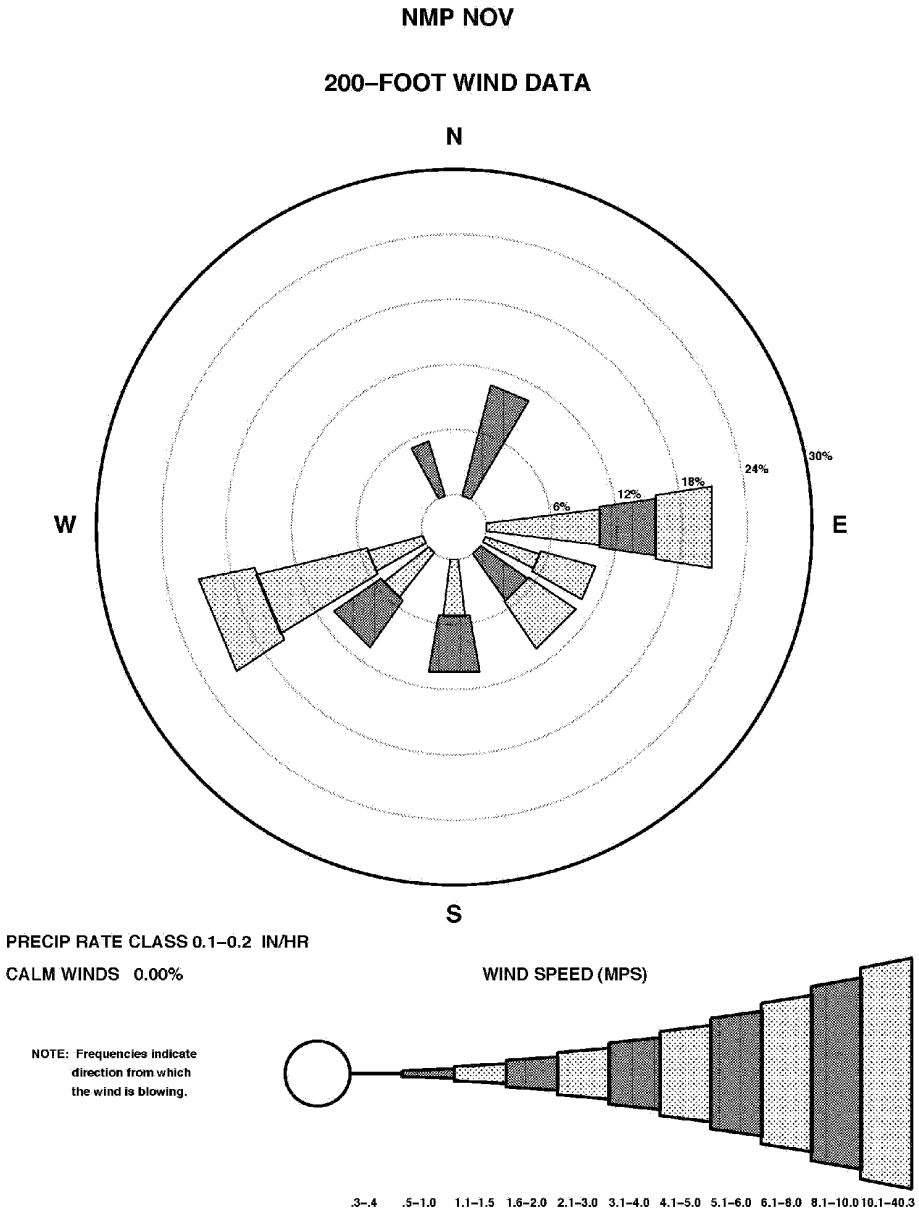

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Figure 2.3-96—{NMPNS 200 ft (61 m) December Precipitation Wind Rose for Rate Class 0.1-0.2 in/hr}

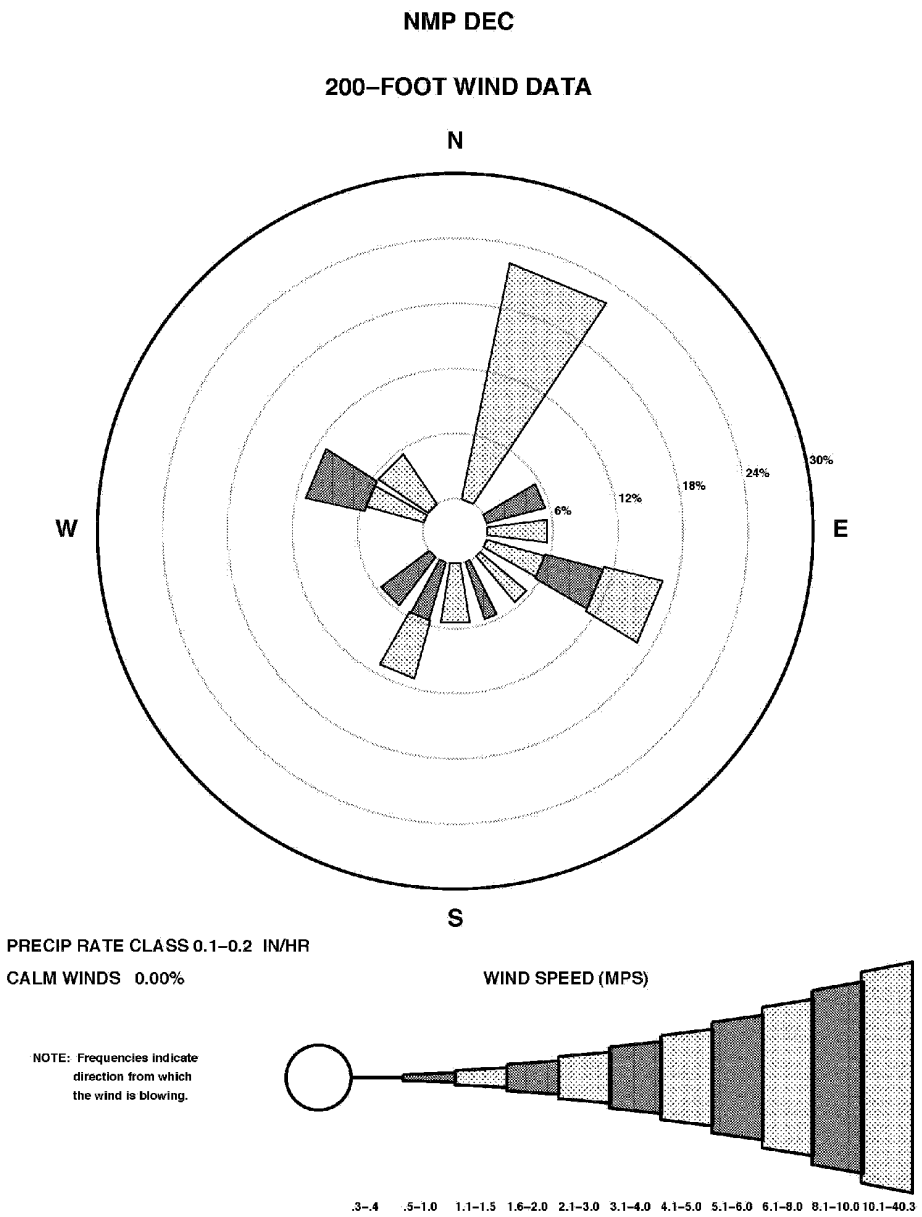

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Figure 2.3-97—{Monthly Average Mixing Heights}

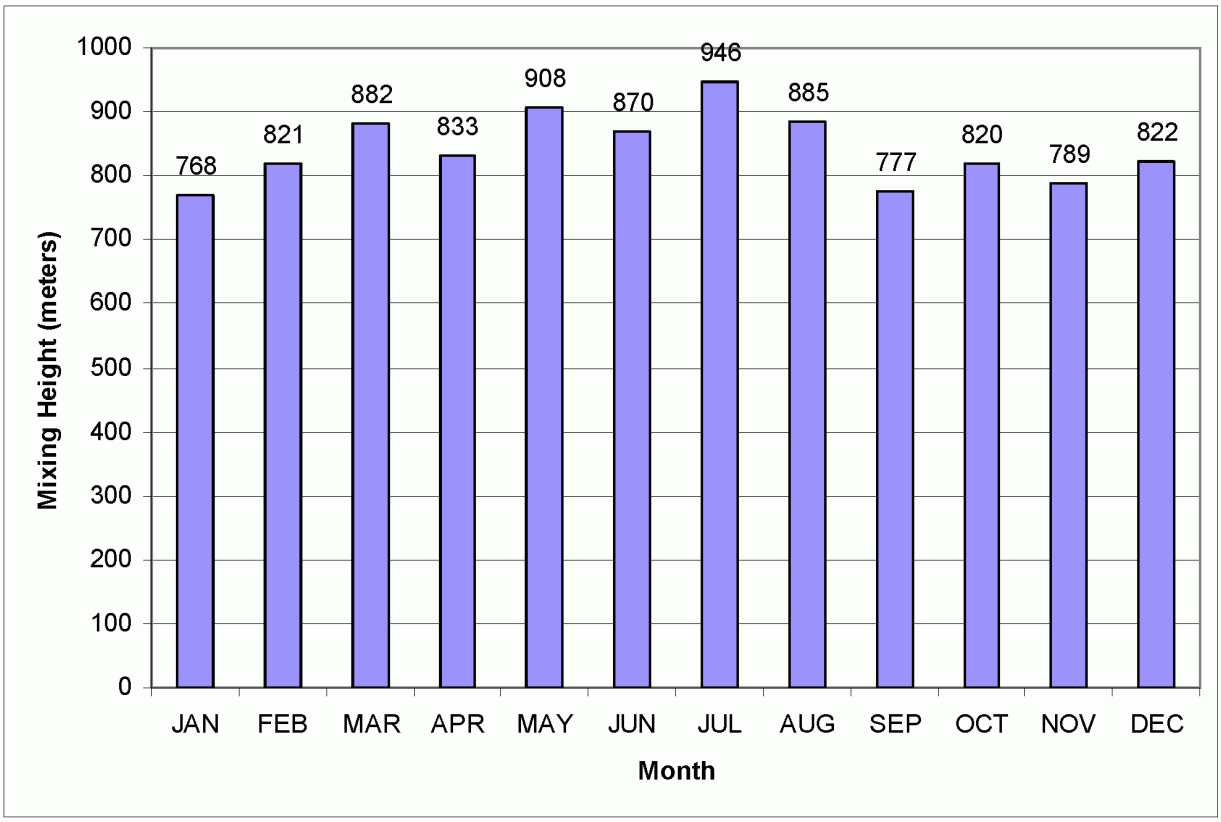

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Figure 2.3-98—{Topography Within 1-Mile of the NMPNS Site}

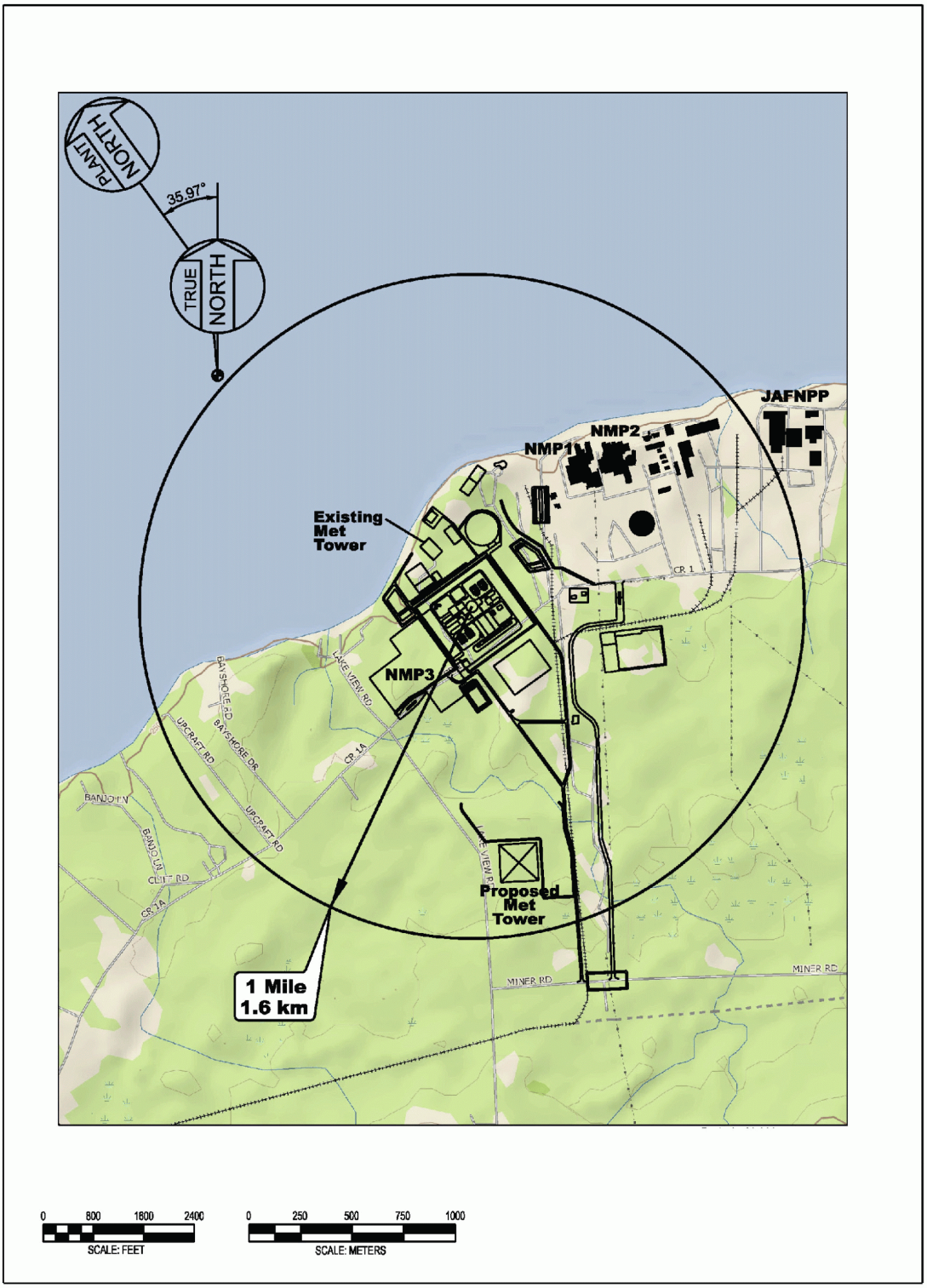

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Figure 2.3-99—{Topography Within 5-Miles of the NMPNS Site}

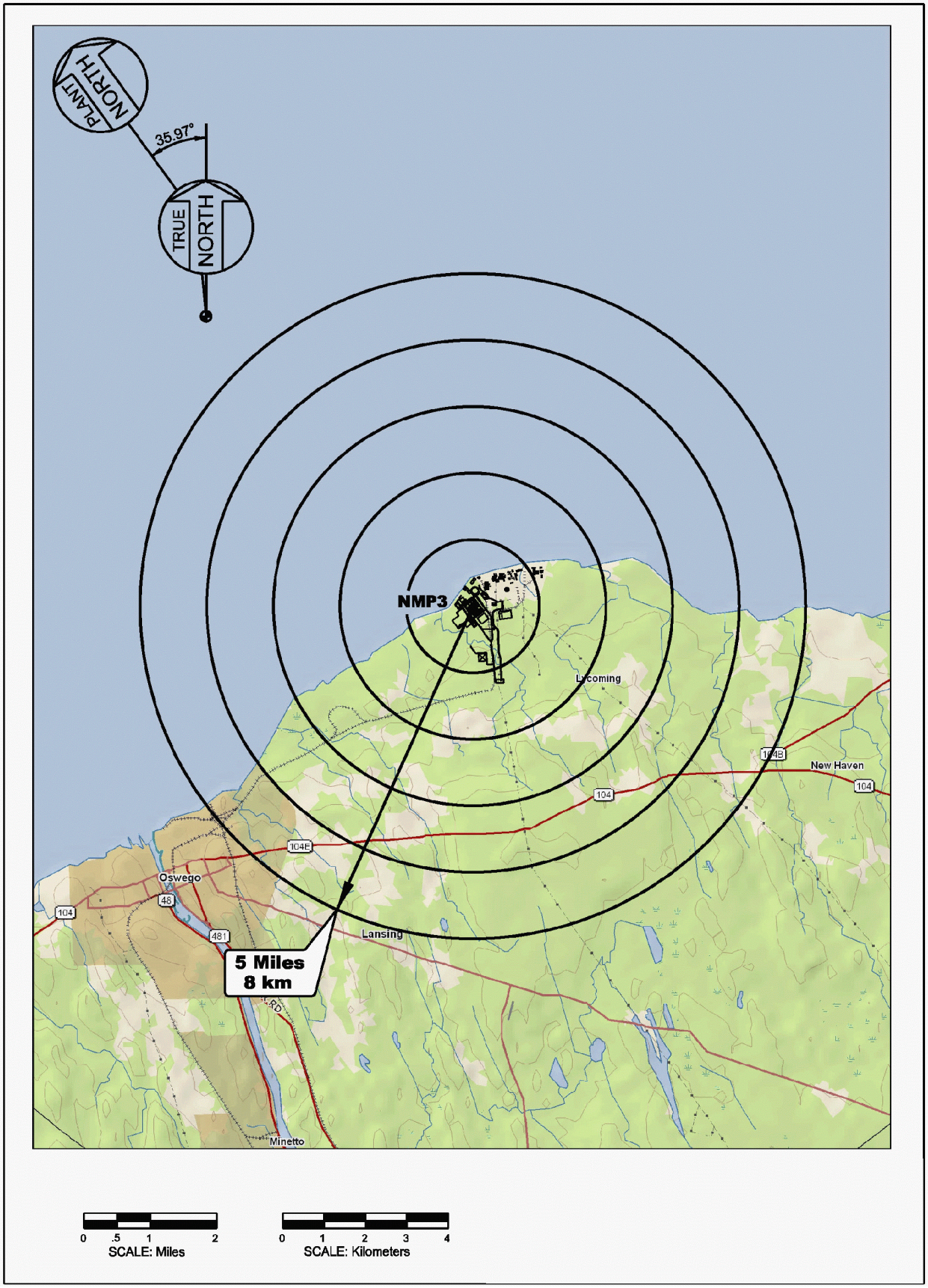

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Figure 2.3-100—{Topography Within 50-Miles of the NMPNS Site}

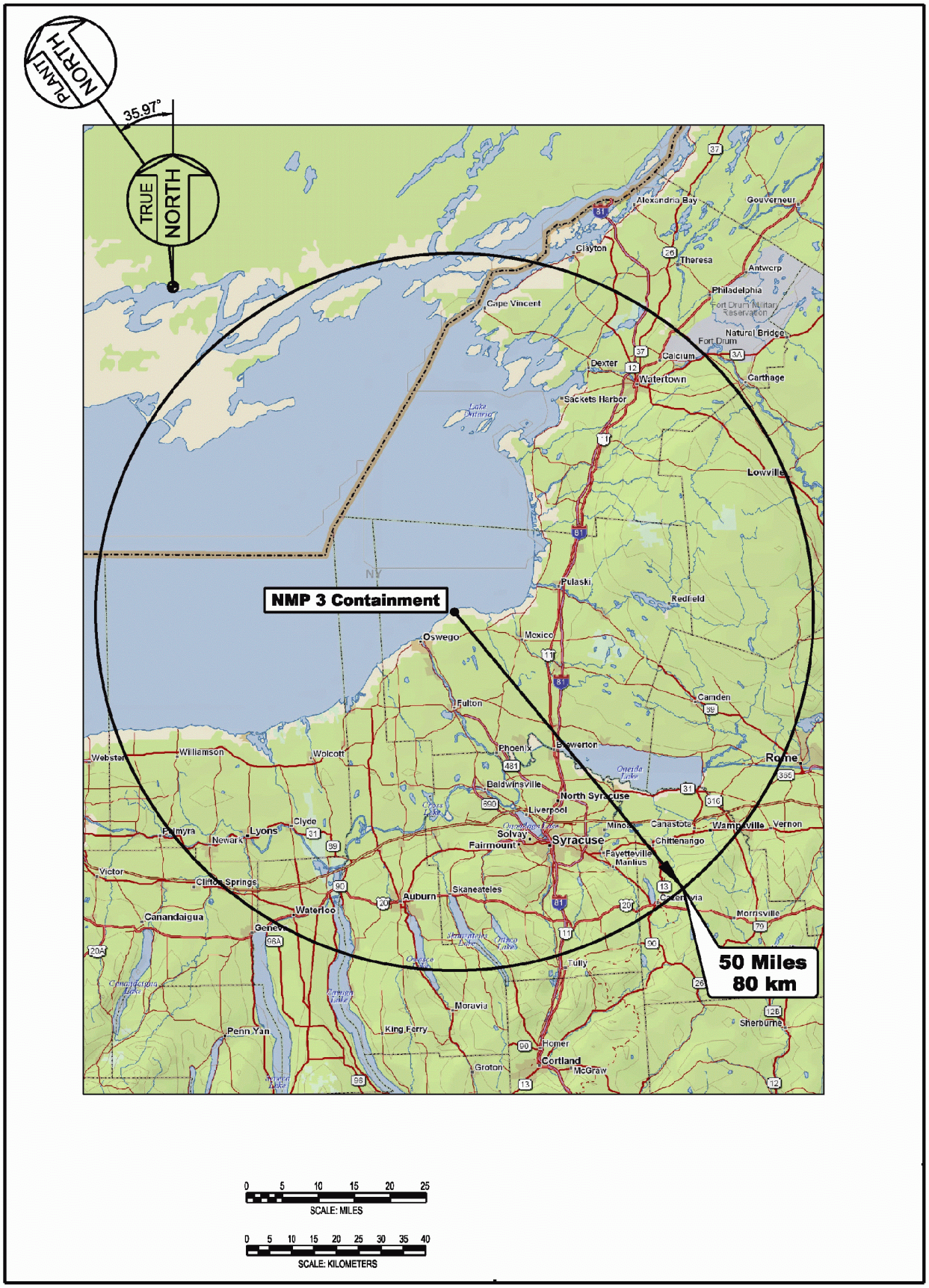

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Figure 2.3-101—{Maximum Elevation versus Distance Within 50 Miles of the NMPNS Site}

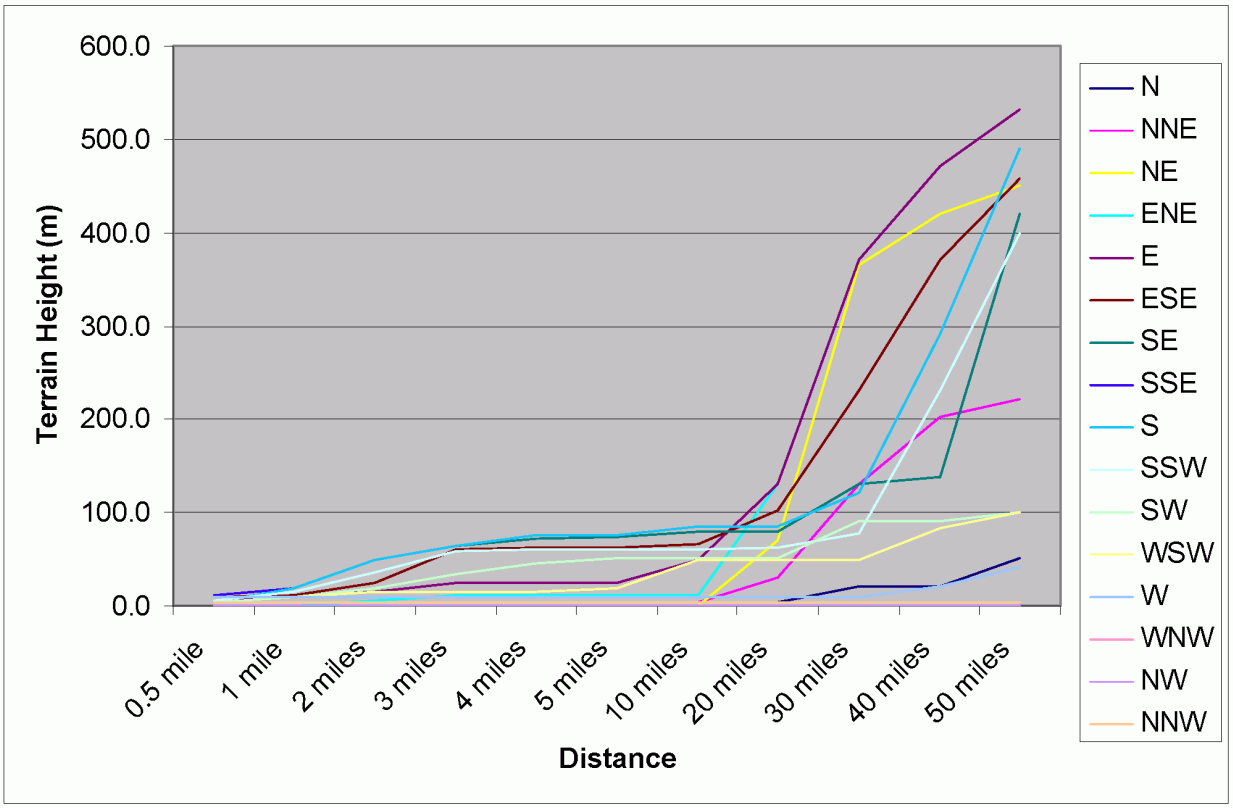

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Figure 2.3-102—{U.S. EPR Release Points}

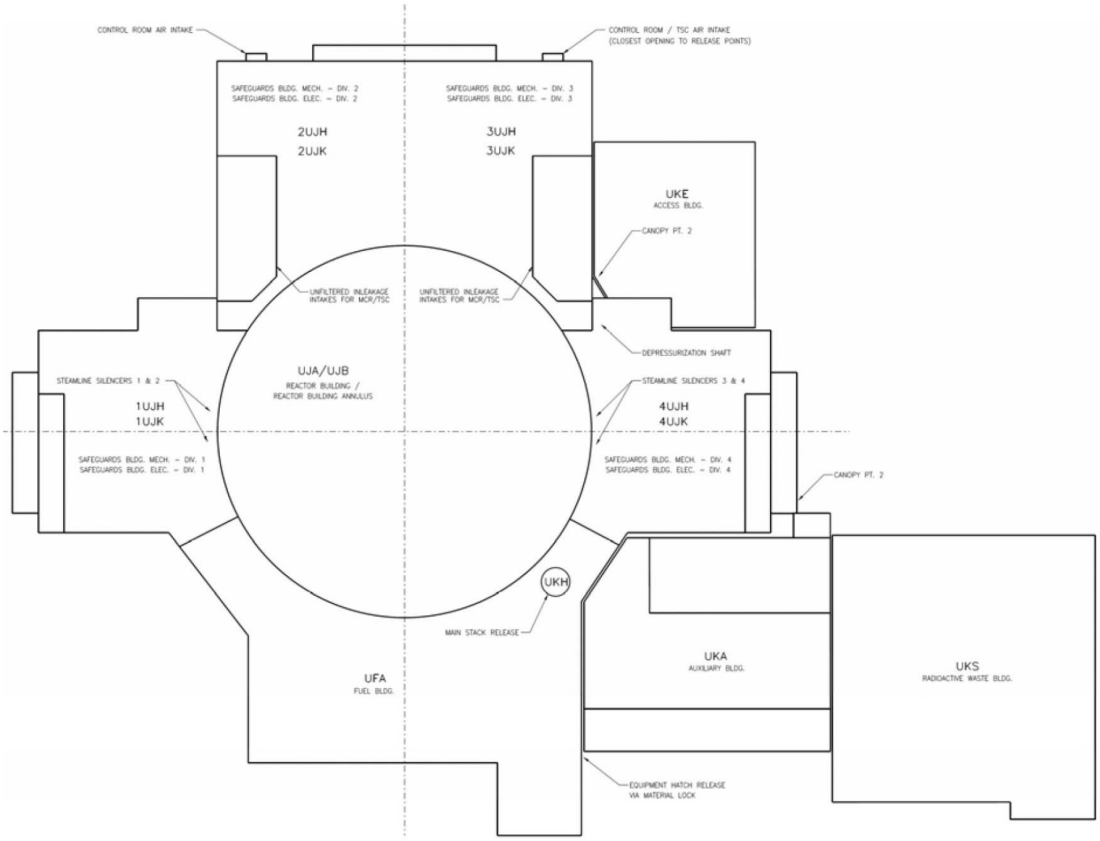

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Figure 2.3-103—{Exclusion Area Boundary}

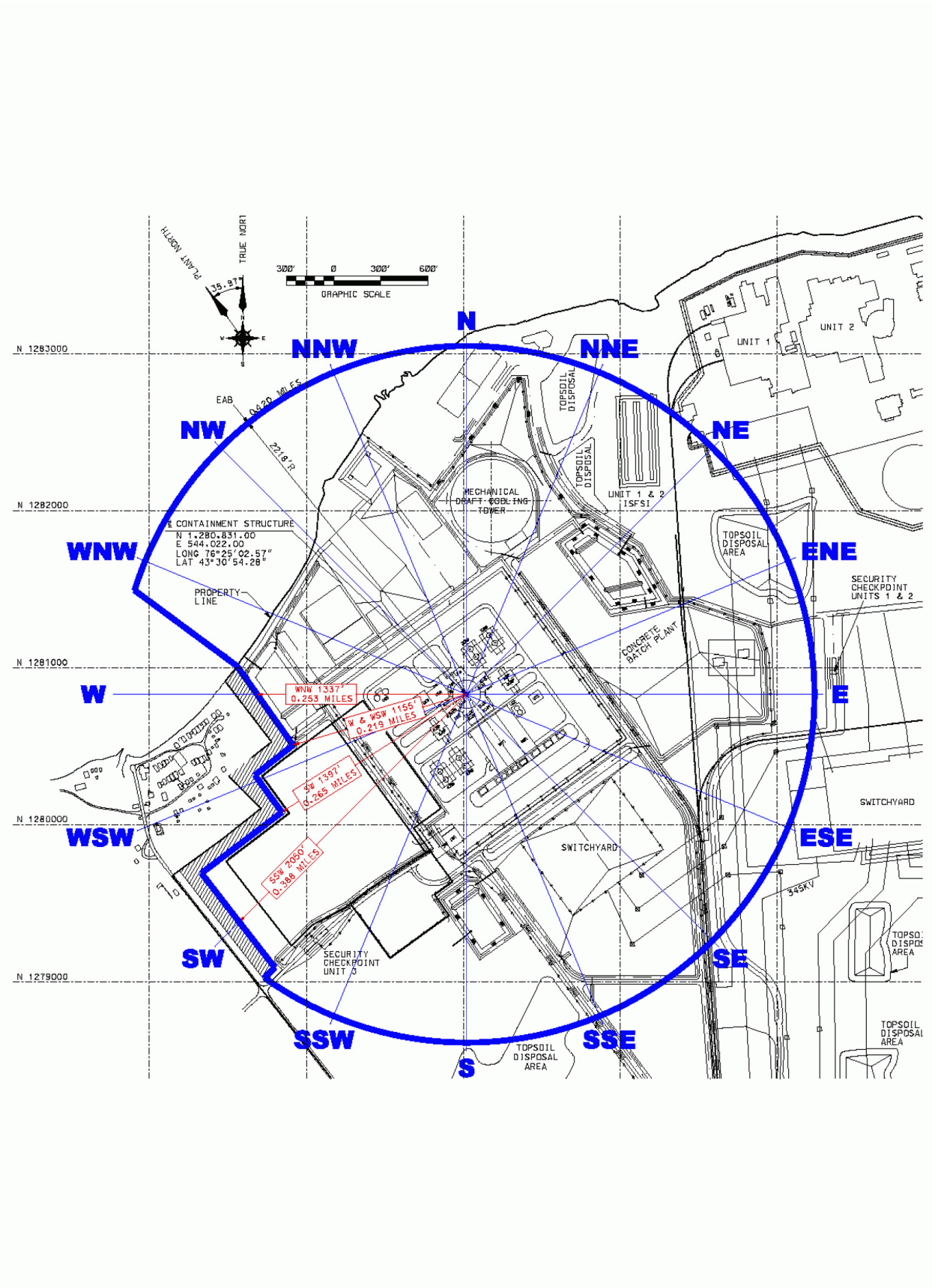

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Figure 2.3-104—{PMWP Values for NMPNS}

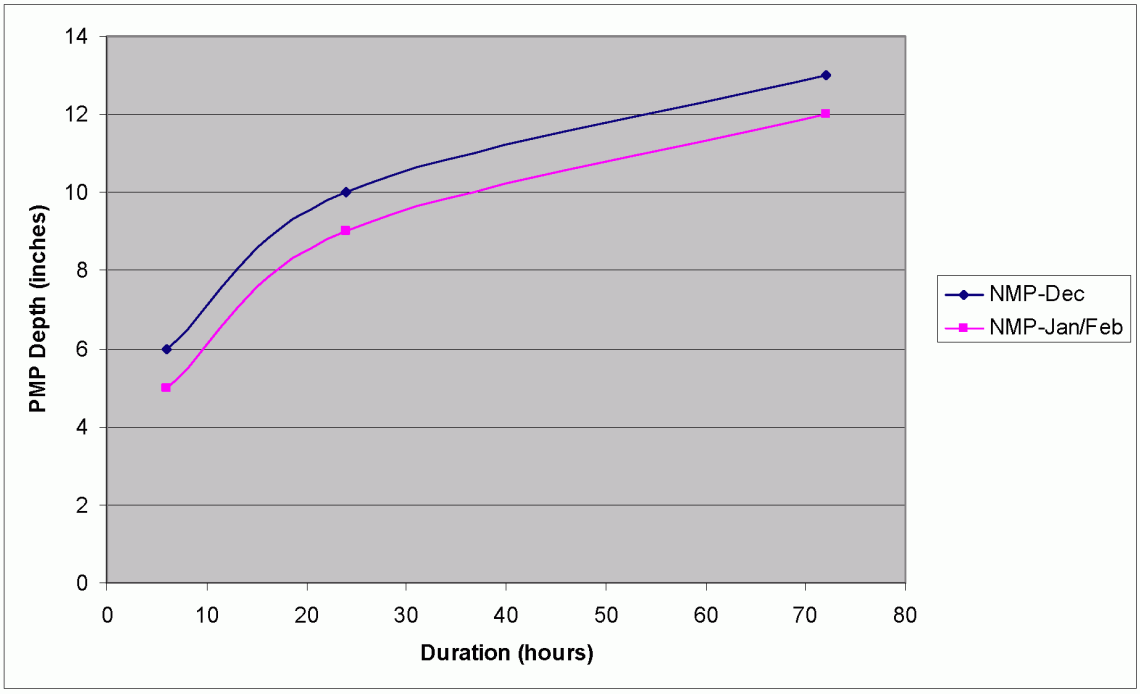

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Figure 2.3-105—{Comparison of U.S. EPR Design and NMP3NPP Site Temperatures for Maximum Evaporation}

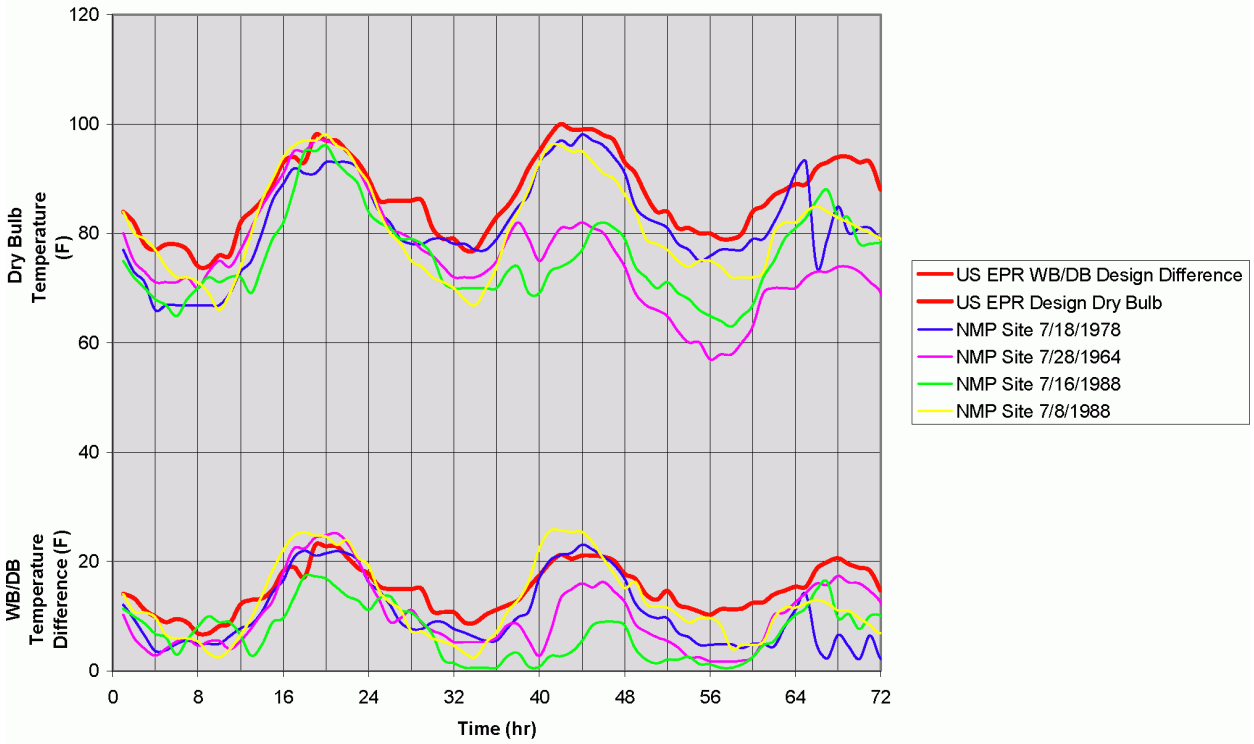

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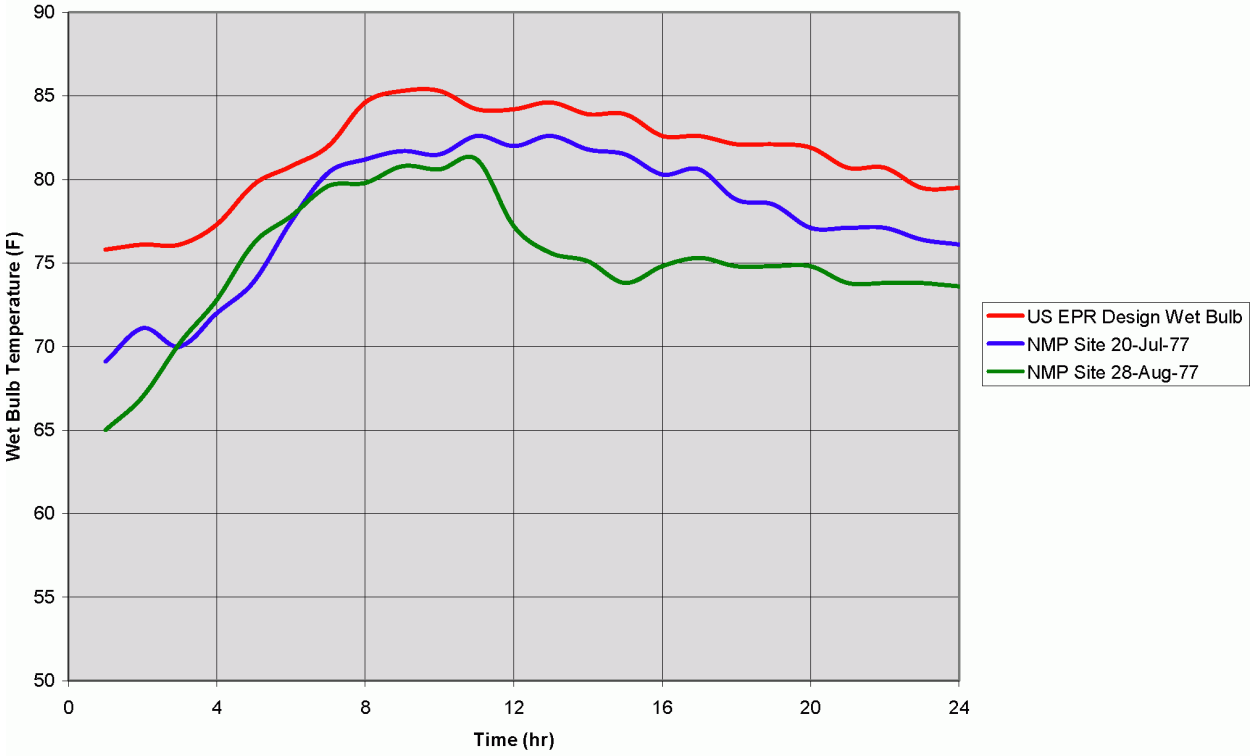
Figure 2.3-106—{Comparison of U.S. EPR Design and NMP3NPP Site Temperatures for Minimum Cooling}



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