

2.5 SOCIOECONOMICS

This section describes the socioeconomic characteristics of the areas that could potentially be impacted by the construction and operation of Bell Bend Nuclear Power Plant (BBNPP). This section contains four subsections: 1) Demography, 2) Community Characteristics, 3) Historic Properties, and 4) Environmental Justice. These sections include a discussion about the socioeconomic characteristics of the 50 mi (80 km) comparative geographic area and the two-county region of influence (ROI) that includes Luzerne County and Columbia County, which are the primary areas of concern for the socioeconomic impact assessment. In addition, socioeconomic characteristics are also described for the 10 mi (16 km) emergency planning zone and the 3 mi (4.8 km) low population zone (LPZ), which are consistent with NUREG-1555 (NRC, 1999).

The 50 mi (80 km) comparative geographic area was established by using the BBNPP site as the center point and drawing a 50 mi (80 km) radius circle around the BBNPP site. This comparative geographic area is consistent with NUREG-1555 (NRC, 1999), as a basis for conducting the socioeconomic analyses and evaluating the potential radiological and accident impacts.

The region of influence (ROI) for the socioeconomic analyses includes Luzerne County and Columbia County, Pennsylvania. The borders of these counties generally extend less than 30 mi (48 km) from the BBNPP site. These adjacent counties are located in the northeastern portion of the Commonwealth of Pennsylvania. Potential socioeconomic impacts, if any, arising from the proposed plant are likely to be confined to these two counties because a majority of the existing workforce for Susquehanna Steam Electric Station (SSES) Units 1 and 2 reside in these counties and it is assumed that the potential in-migrating construction and operational workforces for BBNPP are most likely to reside in this same two-county ROI. As of 2007, approximately 1,247 permanent and 260 contract employees worked at the SSES site. As shown in Table 2.5-1, more than 87% of the current workforce at SSES Units 1 and 2 resides in Luzerne County or Columbia County. Of the 1,247 SSES Units 1 and 2 employees at the site, approximately 528 (42.3%) of the workers had a home address in Luzerne County and approximately 559 (44.8%) of these workers had a home address in Columbia County.

2.5.1 DEMOGRAPHY

2.5.1.1 Current Demographic and Economic Characteristics

The following sections describe the current demographic and economic characteristics for the 50 mi (80 km) comparative geographic area, the two-county region of influence, the 10 mi (16 km) emergency planning zone, and the 3 mi (4.8 km) LPZ. The 1.5 mi (2.4 km) LPZ radius from the BBNPP site is fully contained within this larger LPZ definition. The population surrounding the BBNPP site was projected based on the two most recent U.S. Census Bureau 1990 and 2000 decennial census data (USCB, 2000a) and additional five-year county population projections for 2000 to 2020 obtained from the Pennsylvania State Data Center which used a cohort-component demographic projection model (PA Census, 2008a) (PA Census, 2008b)

2.5.1.1.1 50 mi (80 km) Geographic Area of Comparison

Figure 2.5-1 presents geographical details of the area within a 50 mi (80 km) radius of the BBNPP site. The map shows overlaying circles which mark 10, 20, 30, 40, and 50 mi (16, 32, 48, 64, and 80 km) distances from the BBNPP site.

The nearest major population center within about 50 mi (80.5 km) of the BBNPP site is Allentown, PA, located approximately 75 driving miles (121 km) to the southeast. The other large population center is Scranton, PA, which is approximately 40 driving miles (64 km) to the

northeast of BBNPP. Other population centers include Wilkes-Barre, 20 driving miles (32 km) to the northeast and Hazleton, 15 driving miles (24 km) to the southeast, and Bloomsburg, 20 driving miles (32 km) to the southwest.

Table 2.5-2 (USCB, 2000a) presents demographic data for the residential population within each of the five 10 mi (16 km) circles radiating from the BBNPP site. These demographic characteristics - age and sex distributions, racial and ethnic distributions, and household income figures - are presented to familiarize the reader with the statistical profile of a portion of eastern Pennsylvania in 2000.

In 2000 over 50% of the 1,781,893 people that resided within the 50 mi (80 km) buffer lived more than 30 mi (48 km) away from the BBNPP site. Within the 50 mi (80 km) buffer, less than 5.5% were under 5 years old, 77% were 18 years old or older, and approximately 17% were aged 65 or older. Slightly over 51% of the population was female. The ethnic composition of the 50 mi (80 km) radius included: 94.6% Caucasian, 2.3% African Americans, and 2.9% were of Hispanic/Latino origin. Median household income in the area was \$36,170 (USCB, 2000a).

2.5.1.1.2 Two-County Region of Influence

The ROI, Columbia and Luzerne counties, has experienced a modest decline in population during the period from 1970 to 2000 (USCB, 2000a). Table 2.5-3 presents the population data for select years from 1970 to 2000 in these two Pennsylvania counties (USCB, 2004). The population in the ROI grew at an average annual rate of 0.19% from 1970 to 1980 and then declined at an average of 0.27% annually over the next two decades. By comparison, Pennsylvania's population grew at an average annual rate of 0.14%. The two counties in the ROI experienced population growth during the period between 1970 and 1980 with Columbia County having a higher average annual rate of growth (1.18%) than Luzerne (0.02%) County. Between 1980 and 2000, Luzerne County experienced population decline while Columbia had modest population growth.

Table 2.5-4 (USCB, 2008) presents data about selected demographic and economic characteristics for the years 2000 to 2006 for persons in Columbia and Luzerne counties. The population in the ROI shrank from 383,401 in 2000 to an estimated 378,034 in 2006, by an annual average of -0.26%. During that same period Columbia County's population grew from 64,151 to an estimated 65,014, an average annual growth rate of 0.22%. These growth rates are lower than the annual average of 1.04% for the U.S. Luzerne County's annual growth rate was lower than Pennsylvania's average annual growth rate of 0.22% and Columbia County's growth was approximately equal to the state average.

Population densities for Columbia County have not changed considerably over the period of 2000 to 2006: an increase from 132 to 134 persons per square mile. Population densities for Luzerne County decreased by small margins from 2000 to 2006 (358 to 351 persons per square mile). Nationally, the average population density was 85 persons per square mile in 2006 (USCB, 2008).

The age compositions for the ROI generally had slightly lower proportions of individuals under five years of age, and higher proportions of persons 65 and above, as compared with Pennsylvania and the U.S. The percentage of females was similar among the four jurisdictions (USCB 2008).

The ethnic composition of the two counties in the ROI was different from both the Commonwealth of Pennsylvania and the country as a whole. The proportion of Caucasians was considerably higher than the rest of the state and the country. The proportions of both

Hispanic- Latino and African Americans were lower than either Pennsylvania or the U.S. (USCB 2008)

In 2000, there were 32,403 workers in the labor force of which 2,370 were unemployed (7.3%) in Columbia County. Luzerne County had 156,404 workers in the labor force of which 8,678 were unemployed (5.5%) in 2000. In comparison, the Commonwealth of Pennsylvania had 5,992,886 worker in the labor force of which 339,386 were unemployed (3.5%) at the time of the 2000 U.S. Census. In 2000, 19,272 workers commuted from the ROI to other counties in the 50 mi (80 km) radius and 2,966 workers commuted to counties outside of the 50 mi (80 km) radius (Table 2.5-7). Worker commuting inflow from counties in the 50 mi (80 km) radius to the ROI was 20,231. An additional 8,250 workers entered the ROI from outside the 50 mi (80 km) radius. The result was a net inflow of 6,243 workers into the ROI in 2000 (USCB, 2000b).

PPL Susquehanna, LLC is the largest employer in Luzerne County, employing 1,247 workers to operate SSES Units 1 and 2. There are 528 workers residing in Luzerne County and 559 workers residing in Columbia County. Additional major employers include the Berwick Offray and Wise Foods, each with 600-700 workers that varies with seasonal labor requirements.

The median household income for the ROI was less than the state and national figures. Columbia County had the higher median income in the ROI: \$37,871 in 2004 versus Luzerne County's median income of \$36,968. In comparison the median income level for the U. S. was \$44,334 in 2004 (USCB 2000a).

Table 2.5-5 (USCB 2000a) presents the same demographic and economic information for several towns or communities within the ROI that includes Columbia and Luzerne Counties.

2.5.1.1.3 10 mi (16 km) Emergency Evacuation Area

Figure 2.5-2 displays overlaying circles which mark 1, 2, 3, 4, 5, and 10 mi (2, 3, 5, 6, 8, and 16 km) distances from the BBNPP site. The area within a 10 mi (16 km) radius of the BBNPP site is dominated by forest and agricultural land cover/land use. The area is separated by the Susquehanna River. The BBNPP site is located 1.4 mi (2.3 km) north from the shore of the Susquehanna River. Cities and recognizable unincorporated but named communities within a 10 mi (16 km) driving distance of the BBNPP site include Conyngham, East Berwick, Berwick, Glen Lyon, Mifflinville, Nescopeck, and Shickshinny.

2.5.1.1.3.1 Overall Demographic and Economic Characteristics

Table 2.5-6 illustrates that an estimated 49,596 people reside within the 10 mi (16.1 km) radius of the BBNPP site. According to data in the U.S. Census Bureau 2000 decennial census data (USCB, 2000a), Berwick is the largest community with a population of 10,744. Other major towns within the 10 mi (16.1 km) radius include Conyngham (population of 1,958), East Berwick (population of 1,998), Glen Lyon (population of 1,881), Mifflinville (population of 1,213), Nescopeck (population of 1,528), and Shickshinny (population of 959)

Detailed information about the distribution of racial minority populations and low income populations within a 10 mi (16 km) radius of the site is discussed in Section 2.5.4.

2.5.1.1.3.2 Transient Population Levels

The term "transient" is used in this analysis to mean persons who live (are domiciled) outside the referenced area, but may be predictably expected to be in the area at some point. In this analysis, "transient population" includes:

- ◆ workers, also referred to as commuters, who live permanently outside of the area but who commute to a worksite in Columbia and Luzerne Counties on a regular basis;
- ◆ persons who live outside the area but travel at least 50 mi (80 km) from their home to visit, shop, or tend to personal business or to conduct business within the region;
- ◆ tourists and visitors recreating in the area; and
- ◆ seasonal workers employed in the agriculture sector.

A "visitor" in this study is considered to be a transient when the following definition is met: the individual travels, at least 50 mi (80 km) each way, into the area for the day, and seeks overnight accommodations. Individuals who simply travel through the area from a point outside the area to a destination outside the area are not included in this definition.

SECPOP 2000, a code developed for the Nuclear Regulatory Commission by Sandia National Laboratories to calculate populations by emergency planning zone sectors (NRC, 2003), was used to develop projections of the resident and transient populations by sectors, within the 10 mi (16 km) radius around the BBNPP site. Population projections for the years 2010 through 2080 were projected using the 1990 and 2000 U.S. Census data (USCB, 2000a) and additional five-year county population projections for 2000 to 2020 obtained from the Pennsylvania State Data Center which used a cohort-component demographic projection model (PA Census, 2008b). The population estimates were projected to 2080 by fitting quadratic or linear equations to county population trend lines for the time period 1990 through 2020. These data and growth rates were then used to develop subsequent population projections in SECPOP 2000. The population distribution was computed in SECPOP 2000 by overlaying the 2000 census block point data on the rosette grid defined by the user in this calculation package.

Table 2.5-6 presents population distributions, by residential population and transient population in 2000, within each of sixteen geographic directional sectors at radii of 0 to 1 mi (0 to 2 km), 1 to 2 mi (2 to 3 km), 2 to 3 mi (3 to 5 km), 3 to 4 mi (5 to 6 km), 4 to 5 mi (6 to 8 km), and 5 to 10 mi (8 to 16 km) from the BBNPP site.

Commuters

Table 2.5-7 summarizes the commuting patterns to and from the ROI. The ROI has a net increase of 6,243 persons daily during the work week based on 2000 Census Bureau County-to-County Worker Flow survey data (USCB 2000b). This commuting inflow represents a significant increase to the population base in these two rural counties

Visitors/Tourists

Data on the number of visitors seeking overnight hotel accommodations was estimated for Luzerne County based on hotel tax revenue. In 2007, Luzerne County had 29,773 annual overnight visitors in hotel accommodations, primarily in hotels located along Interstate 81. Geographic information on hotel locations and visitors at each location is not available. No data was available for Columbia County. Overnight hotel transient visitors traveling along Interstate 81 in Luzerne County represents the largest identified contributor to the visitor/tourist population.

There are no major parks or recreational attractions in Columbia and Luzerne Counties. Private campgrounds and camps associated with small fresh water lakes provide the main recreational opportunities. Camp Louise, operated by the Girl Scouts in the Heart of Pennsylvania, and shared with Camp Setebaid is the largest campground in the ROI operated year-round. It

receives 250-350 visitors per day during the period between June and August and has an average of 300 visitors on weekends throughout the year. From discussions with a representative of the Luzerne County Visitor Bureau, private campgrounds that accommodate tent and recreational vehicles include Acorn Acres (346 daily visitors from April to October), Council Cup Campground (250-300 daily year-round visitors and 295 additional daily visitors from April to October), Good's Campground (100-300 weekend visitors and 10 weekly visitors from April to October), Hidden New Lake Campground (200-300 daily visitors from April to October), and Whispering Pines Camping Estates (250 daily visitors from April to October).

Seasonal Workers in Agriculture

The Commonwealth of Pennsylvania does not collect data regarding migrant or seasonal agriculture workers. The 2002 Census of Agriculture-County Data (USDA, 2002) estimated that there were 8 farms in Columbia County with migrant farm labor and 5 farms in Luzerne County with migrant farm labor.

Prisons and Correctional Institutions

The Commonwealth of Pennsylvania maintains two prison facilities within the ROI, both located in Luzerne County. The State Correctional Institution (SCI) Retreat is located approximately 8 mi (13 km) north of the BBNPP and about 11 mi (18 km) south of Wilkes-Barre, PA. SCI Retreat is a medium-security prison housing adult males and held approximately 889 inmates as of December 2007. The state Department of Corrections listed its capacity as 806 inmates. Also located in Luzerne County is the SCI Dallas facility located about 20 mi (32 km) to the northeast of the BBNPP site. A total of approximately 2,090 adult males were incarcerated there as of December, 2007 compared to a capacity of 1,750 individuals (PA, 2008a).

In addition to the state prisons identified within the ROI, both Luzerne and Columbia Counties maintain county correctional facilities. The Luzerne County Correctional Facility is located in Wilkes-Barre. In 2007, this facility had a capacity for housing 805 inmates and its daily population averaged about 717 inmates. The Columbia County Prison located in Bloomsburg had an average daily inmate population of about 126 and a capacity of about 190 (PA, 2008b) (PA, 2008c).

Other state prisons located in the vicinity of BBNPP, but outside the ROI, include those in Schuylkill and Northumberland Counties. Schuylkill County contains two prisons, each located in Frackville over 22 mi (35 km) to the south of BBNPP. As of year end 2007, approximately 2,290 adult males were held in the SCI Mahoney facility and about 1,106 were held in the SCI Frackville prison. SCI Frackville is a maximum-security prison while SCI Mahoney is a medium security facility. Located southwest of BBNPP in Northumberland County is the medium security SCI Coal Township prison that housed approximately male 1,864 inmates in 2007. Schuylkill and Northumberland Counties also maintained county prisons; average daily inmate populations in these facilities during 2007 were 296 and 185 individuals, respectively (PA, 2008a) (PA, 2008b) (PA, 2008c).

2.5.1.1.4 Low Population Zone

The LPZ is defined as a 3 mi (4.8 km) radius from the midpoint between the SSES Units 1 and 2 reactors. The 1.5 mi (2.4 km) LPZ radius from the BBNPP site is fully contained within this larger LPZ definition. Figure 2.5-3 illustrates the SSES and BBNPP LPZ extent.

2.5.1.1.4.1 Overall Population Levels

The 2000 US census reported 2,733 residents in the 3 mi (4.8 km) radius that encompasses the LPZ (Table 2.5-8). The communities of Beach Haven, East Berwick, Nescopeck, and Wapwallopen lie within the LPZ. There are no nursing homes, hospitals, prisons, or schools operating within the LPZ. The major employer within the LPZ is PPL Susquehanna with 1,247 SSES employees and approximately 260 contractors.

2.5.1.1.4.2 Transient Population Levels

There is considerable variation in peak daily and seasonal transient populations in Columbia and Luzerne Counties due to recreational camping and day/night shift workers at the SSES Units 1 and 2. Campground populations are at their highest peak during the months of April through October. Residents in the LPZ would have the highest population at night as workers return from commuting to job sites. Workers at the SSES Units 1 and 2 comprise 31% of the LPZ resident and transient population during November through May when recreational camping is at its lowest peak.

2.5.1.2 Demographic Projections

As described above for transient population estimates, SECPOP 2000 was used to calculate population projections for the years 2010 through 2060, using 2000 U.S. Census data.

2.5.1.2.1 50 mi (80 km) Comparative Impact Area

Table 2.5-9 presents 2000 estimated population in concentric rings around the BBNPP site. Table 2.5-9 also displays the projected population within those rings from 2010 to 2080 (USCB, 2000a). BBNPP is estimated to start operation in 2018 and operate for 40 years, within the span of this application, until 2058. Therefore, populations for 2018 the proposed startup year, and 2058, have also been provided.

Within the 50 mi (80 km) radius of the site, the average annual percent change for the 10 year periods ranges from 0.47% (for years 2000 to 2010) to 0.80% (for years 2030 to 2040) (USCB, 2000a). The average annual change in population between the years 2000 and 2080 is projected to be 0.55%, an aggregate increase of approximately 55%.

Table 2.5-10 presents residential population projections from the years 2000 to 2060 for each of the 16 geographic sectors to 50 mi (80 km) from the BBNPP site, with the exception of the 10 mi (16 km) segments which include transient populations. Demographic characteristics for the residential population in the years beyond 2000 are assumed to reflect the ratios found in year 2000.

2.5.1.2.2 Two-County Region of Influence

Within the ROI, which is comparable to the 20 mi (32 km) radius in Table 2.5-9, average annual population changes ranged from 0.41% for the period 2000 to 2010 to 0.77% for the 2030 to 2040 period. Population levels would increase from 315,026 in 2000 to 489,390 in 2080, an average annual increase of 0.55% (an aggregate increase of 55% over the 80 year period) (USCB, 2000a)

2.5.1.2.3 10 mi (16 km) Emergency Evacuation Area

The population projections in Table 2.5-9 reflect an upper limit of the estimated projected population, at various points during the next several decades, because the figures include both the residential population and the estimated transient population for all years in the 0 to 10 mi

(0 to 16 km) circle. Average annual population changes would range from 0.47% for the 2000 to 2010 period to 0.80% for the 2030 to 2040 period. Population levels would increase from 49,598 to 77,036 an average annual increase of 0.55% (an aggregate of 55% over the 80 year period) (USCB 2000a).

2.5.1.2.4 Low Population Zone

The population within the LPZ, including years 2018, the proposed year that operations will initiate, and 2058, the year of license expiration, are provided in Table 2.5-8. Average annual population changes are projected to range from 0.47%, during the period of 2000 to 2010, to 0.79% during the period 2030 to 2040. Population levels would increase by an average annual rate of 0.55% (an aggregate of 55% over the 80 year period) (USCB, 2000a) (NRC, 2003).

2.5.1.3 References

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2.5.2 COMMUNITY CHARACTERISTICS

A number of criteria are used to define community characteristics for the two county Region of Influence (ROI), Luzerne County and Columbia County, Pennsylvania. These characteristics include:

- ◆ The economy in the ROI,
- ◆ The political structure of the region,
- ◆ Social structure information,
- ◆ The housing in the area,
- ◆ Primary, secondary, and post secondary education in the region,
- ◆ Recreation activities near the BBNPP site,
- ◆ Tax structure in the region,
- ◆ Land use in Luzerne County and Columbia County,
- ◆ Community infrastructure and public services available to residents of the ROI including water, sewer, police, fire, emergency medical service, hospitals, and doctors,
- ◆ Transportation in the two county area, and
- ◆ A profile of any distinctive communities in the ROI.

As described in Section 2.5.1, the ROI is limited to Luzerne County and Columbia County where 87.1% of the existing Susquehanna Steam Electric Station (SSES) Units 1 and 2 operational workforces now reside. Luzerne County is included because it is the county in which the proposed BBNPP would be located and 42.3% of the existing SSES maintenance and operations workforces live there (Table 2.5-1). Columbia County is also included in the ROI because 44.8% of the SSES maintenance and operations workforces live there. A significant portion of the construction and maintenance/operations workforces for the proposed BBNPP are also expected to live in Luzerne County or Columbia County. The ROI is limited to these two counties, because any impacts to community infrastructure and services caused by changes in the workforce as a result of the proposed plant would be expected to occur in these two counties. No other county or urbanized area's community services are expected to be impacted by the proposed plant. Information about the construction industry's labor force in the Scranton-Wilkes-Barre-Hazleton Metropolitan Statistical Area (MSA) is included, because portions of the construction and operations workforce could be drawn from this area.

There are several municipalities/towns that are most likely to be affected by the potential in-migrating construction and operational workforces because of the size of the communities and their proximity to the BBNPP site, including Berwick in Luzerne County and Columbia County; Wilkes-Barre, Nanticoke, and Hazleton in Luzerne County; and Bloomsburg in Columbia County. The borough of Berwick is located not only partly in Luzerne County and Columbia County, but also partly in Salem Township where BBNPP would be located, and had a total population of 10,774 people in 2000. The population is primarily Caucasian, with 97.1% of the people identified as that race. (USCB, 2000f)

The city of Wilkes-Barre is the county seat of Luzerne County and is situated within the Wyoming Valley. The city occupies 7 mi² (18 km²) and had a population is 43,123 people in 2000. Of the total population, 92.3% was Caucasian and 5.1% were African-American (USCB, 2000j). The city of Nanticoke is located in Luzerne County, occupies 3.6 mi² (9.3 km²), and had a

total population of 10,955 people in 2000. A majority of the Nanticoke population, 98.8%, were Caucasian (USCB, 2000i). The city of Hazleton had one of the largest populations within Luzerne County with 23,329 residents in 2000. Of the total population 94.7% is Caucasian (USCB, 2000h).

The town of Bloomsburg is the county seat for Columbia County and had a total population of 12,375 in 2000. The town is primarily Caucasian, with 94.4% of the people identified as that race, and the second largest racial group is 2.6% African-American (USCB, 2000g).

Figure 2.5-1 and Figure 2.5-2 are maps of the vicinity of the BBNPP site. Respectively, the maps display basic geographical features such as rivers, roads, cities, and airports within a 50 mi (80 km) and 10 mi (16 km) radius of the plant and display county boundaries.

Community characteristics of the general population in the ROI have been compared to data obtained on low income and racial minority populations in the ROI. The findings are presented in Section 2.5.4.

2.5.2.1 Area Economic Base

2.5.2.1.1 50 Mi (80 km) Geographic Area of Comparison

Table 2.5-11 (USCB, 2000a) (USCB, 2000b) (USCB, 2000c) (USCB, 2000d) (USCB, 2000e) (USCB, 2006a) (USCB, 2006b) (USCB, 2006c) (USCB, 2006d) displays data in 2000 and 2006 about: the population 16 years old and older; the individuals in the labor force, which consists of the total civilian labor force and the armed forces; and the number of individuals not in the labor force for the U.S., the Commonwealth of Pennsylvania, the Scranton-Wilkes-Barre-Hazleton MSA, Luzerne County, and Columbia County. The table also presents the total civilian labor force as the number of employed civilians, the number of unemployed civilians, and the rate of unemployment. The Scranton-Wilkes-Barre-Hazleton MSA consisted of Columbia, Lackawanna, Luzerne, and Wyoming counties. Columbia County was originally part of the MSA in 2000; however based on the latest information available on the MSA boundaries, Columbia County is no longer part of the Scranton-Wilkes-Barre-Hazleton MSA but is now part of an adjacent micropolitan area. Therefore, comparisons between 2000 and 2006 can not be made. The Scranton-Wilkes-Barre-Hazleton MSA had a total civilian labor force of 299,308 in 2000, of which 16,732 (5.6%) were unemployed. In comparison, the Commonwealth of Pennsylvania had a 2000 unemployment rate of 5.7% and in 2006 it was 6.2%. Also, the U.S. had an unemployment rate of 5.8% in 2000 and 6.4% in 2006. From 2000 to 2006, the total civilian labor force in the Commonwealth of Pennsylvania experienced an average annual increase of approximately 0.8%.

The Scranton-Wilkes-Barre-Hazleton MSA could provide construction, operations, and maintenance workers for the proposed BBNPP facility. According to the Bureau of Labor Statistics, the Scranton-Wilkes-Barre-Hazleton MSA had 9,000 people employed in the construction and extraction job industry in May 2006. These workers earned mean salaries of \$18.72 per hour and \$38,940 per year (BLS, 2008).

2.5.2.1.2 Two-County Region of Influence

As presented in Table 2.5-12 (USCB, 2000a) (USCB, 2000b) (USCB, 2006a) (USCB, 2006b), the top five industry sectors in the ROI in 2006 include educational, health, and social services (23.8%); manufacturing (14.4%); retail trade (13.9%); arts, entertainment, recreation, accommodation, and food services (8.0%); and professional, scientific, management, administrative, and waste

services (7.2%). These five industry sectors accounted for 66% and 67% of the employment in the ROI in both 2000 and 2006, respectively.

The construction industry makes up a relatively small portion of total employment in the ROI, representing about 5.8% of the workforce in 2000 and 2006 for the ROI (USCB, 2000a) (USCB, 2000b) (USCB, 2006a) (USCB, 2006b).

2.5.2.1.3 Luzerne County

As shown in Table 2.5-11, Luzerne County had a total civilian labor force of 151,748 people in 2000, of which 143,492 were employed and 8,256 (5.4%) were unemployed. During the same year, the Scranton-Wilkes-Barre-Hazleton MSA's unemployment rate was 5.6%, the Commonwealth of Pennsylvania's rate was 5.7%, and the national unemployment rate was 5.8%. In 2006, Luzerne County had a civilian labor force of 156,352 people, of which 147,674 were employed and 8,678 (5.6%) were unemployed. During the same year, the Commonwealth of Pennsylvania's was 6.2%, and the national unemployment rate was 6.4%. From 2000 to 2006, the total civilian labor force increased at a slow average annual rate of 0.5% (USCB, 2000a) (USCB, 2000b) (USCB, 2000c) (USCB, 2000d) (USCB, 2000e) (USCB, 2006a) (USCB, 2006b) (USCB, 2006c) (USCB, 2006d).

Table 2.5-12 presents total, governmental, and private sector employment data by industrial sector and class of workers, within Luzerne County, Columbia County, and the ROI. A total of 143,492 people were employed in Luzerne County in 2000 with more than 17,300 people employed in the governmental sector and over 117,600 people employed in the private sector. In 2006, Luzerne County had a total of 147,674 employed people with about 17,900 people employed in the governmental sector and about 120,500 people employed in the private sector. The largest industrial sector in 2000 and 2006 was the education, health and social service sector with more than 30,000 employees (21.5% and 22.9%, respectively). Luzerne County had an average annual increase of 0.5% over the six year period to the total number employed in all industry sectors. The private sector saw an increase of about 2,835 people employed and the government sector saw an increase of about 584 employees from 2000 to 2006 (USCB, 2000a) (USCB, 2000b) (USCB, 2006a) (USCB, 2006b).

The construction industry made up a relatively small portion of total employment in Luzerne County, representing 5.9% of the workforce in 2000 and about 5.5% in 2006 (USCB, 2000a) (USCB, 2000b) (USCB, 2006a) (USCB, 2006b).

Table 2.5-13 shows the top 10 employers in Luzerne County in the second quarter of 2006 (PASS, 2008).

The growth of the Berwick area is dependent on its location within the Poconos and its physical setting. The area initially grew as part of a large manufacturing complex that built tanks, railroads, and subway cars during World War II. The manufacturing tradition continues today. (BPA, 2008)

Wilkes-Barre originally grew as a result of the discovery of coal. More recently, manufacturing and retail have dominated the economy of this city. Over 680 businesses are located within downtown Wilkes-Barre; included within this number are 76 institutions that employ over 3,200 people. Each workday, approximately 14,000 people work in Wilkes-Barre. (GWBC, 2008)

The city of Hazleton is an entitlement community, receiving funding through the U.S. Department of Housing and Urban Development (HUD). These funds are administered by the Office of Community and Economic Development. This program allows for continued

economic development within the community and provides assistance to businesses wishing to locate in the city (HAZ, 2008).

2.5.2.1.4 Columbia County

As shown in Table 2.5-11, Columbia County had a total civilian labor force of 32,376 people in 2000, of which 30,006 were employed and 2,370 (7.3%) were unemployed. During the same year, the Scranton-Wilkes-Barre-Hazleton MSA's unemployment rate was 5.6%, the Commonwealth of Pennsylvania's was 5.7%, and the national unemployment rate was 5.8%. In 2006, Columbia County had a total civilian labor force of 33,211 people, of which 31,398 were employed and 1,813 (5.5%) were unemployed. During the same year the Commonwealth of Pennsylvania's unemployment rate was 6.2%, and the national unemployment rate was 6.4%. From 2000 to 2006, the total civilian labor force in Columbia County increased at a slow average annual rate of 0.4% (USCB, 2000a) (USCB, 2000b) (USCB, 2000c) (USCB, 2000d) (USCB, 2000e) (USCB, 2006a) (USCB, 2006b) (USCB, 2006c) (USCB, 2006d).

Table 2.5-12 presents total, governmental, and private sector employment data by industrial sector and class of workers, within Luzerne County, Columbia County, and the ROI. A total of 30,006 people were employed in Columbia County in 2000 with more than 3,700 people employed in the governmental sector and over 24,100 people employed in the private sector. The largest industrial sector in 2000 was the manufacturing sector with more than 7,200 employees (24.1%) and the largest industry sector in 2006 was the education, health, and social services sector with about 8,800 employees (28.2%). In 2006, Columbia County had a total of 31,398 people with about 3,900 people (12.7%) employed in the governmental sector and almost 25,500 people (81.2%) employed in the private sector. Columbia County had an average annual increase of 0.8% over the six year period in the total employed in all industrial sectors. The government sector only saw a small increase in the number of employed while the private sector saw an increase of about 1,400 employees from 2000 to 2006 (USCB, 2000a) (USCB, 2000b) (USCB, 2006a) (USCB, 2006b).

The construction industry made up a relatively small portion of total employment in Columbia County, representing about 5.4% (1,624) in 2000 and about 6.8% (2,134) in 2006 (USCB, 2000a) (USCB, 2000b) (USCB, 2006a) (USCB, 2006b).

Table 2.5-13 (PASS, 2008) shows the top 10 employers in Columbia County in the second quarter of 2006.

The town of Bloomsburg is home to Bloomsburg University, part of the Pennsylvania State system and one of the top employers within Columbia County. (CWIA, 2008)

2.5.2.2 Area Political Structure

2.5.2.2.1 50 Mi (80 km) Comparative Geographic Area

The 50 mi (80 km) radius centered at the BBNPP site includes all or parts of 22 counties in Pennsylvania. Data gathering and planning agencies within the 50 mi (80 km) radius of the BBNPP site include the various Pennsylvania Departments, county departments, and the U.S. Census Bureau. Individual cities, towns, and counties within the 50 mi (80 km) radius, but outside of the ROI, are represented by their respective, previously mentioned state planning/economic departments because no impacts would be expected to occur to community services in those areas.

2.5.2.2 Two-County Region of Influence

Luzerne County was established in 1786 and occupies 891 mi² (2,308 km²) of land in northeastern Pennsylvania. The county seat of Luzerne County is the City of Wilkes-Barre. The County Legislature includes three commissioners that make up the Board (NACO, 2008). Luzerne County is comprised of the cities of Wilkes-Barre, Hazleton, Pittston, and Nanticoke, 36 boroughs, and 36 townships. The county is located in the 10th and 11th Congressional Districts; the 14th, 20th, 22nd, and 27th Senatorial Districts; and the 114th, 116th, 117th, 118th, 119th, 120th, and 121st Legislative Districts (LCBE, 2008).

Salem Township is located in the southern part of Luzerne County, along the Susquehanna River. It is classified as a second class township, typically defined by its rural character. The township encompasses approximately 36 mi² (93 km²) with a population of 4,300 people. This township is part of the 11th Congressional District and 117th Legislative District (LC, 2008).

The township is governed by three supervisors, who are elected at-large. The supervisors are elected for six year terms. The positions are further divided into chair, vice-chair/roadmaster, and supervisor. These officers comprise the Board of Supervisors (the Board). The Board meets twice a month to discuss issues pertinent to the business of the township. (STS, 2008)

The Board also oversees two primary committees, the Planning Commission and the Zoning Hearing Board. Recently, the Board expanded the Planning Commission to include five members. Additional committees/commissions are part of the governing structure, including the Shade Tree Commission. The sole purpose of this body is to advise residents and interested people about which tree plantings are permitted. A Park and Recreation Board also has been formed to address park planning within the township (STS, 2008).

Columbia County was established in 1813 and occupies 486 mi² (1,259 km²) of land in northeastern Pennsylvania. The county seat of Columbia County is the Town of Bloomsburg. The County Legislature includes three commissioners that make up the Board (NACO, 2008). Columbia County is comprised of the Town of Bloomsburg, 8 boroughs, and 24 townships. The county is located in the 11th Congressional District (PADOS, 2008); the 27th Senatorial District; and the 107th, 109th, and 117th Legislative Districts (PAGA, 2008).

2.5.2.3 Area Social Structure

2.5.2.3.1 Luzerne County

As shown in Table 2.5-14, the 2000 median household income in Luzerne County was \$33,771, somewhat lower than the Scranton-Wilkes-Barre-Hazleton MSA (\$34,161) and significantly lower than the Commonwealth of Pennsylvania (\$40,106) and the U.S. (\$41,994) median household income. The 2006 median household income in Luzerne County was \$39,687, significantly lower than the \$46,259 median household income for the Commonwealth of Pennsylvania and the \$48,451 for the U.S. (USCB, 2000a) (USCB, 2000b) (USCB, 2000c) (USCB, 2000d) (USCB, 2000e)

As shown in Table 2.5-14, in 2000, Luzerne County's 11.1% of individuals living below the U.S. Census Bureau poverty level was equal with the 11.1% for the Scranton-Wilkes-Barre-Hazleton MSA and approximately equal with the 11.1% for the Commonwealth of Pennsylvania and lower than the 12.4% for the U.S. In 2006, Luzerne County's 13.3% of individuals living below the U.S. Census Bureau poverty level was higher than the 12.1% for the Commonwealth of Pennsylvania and equal to the 13.3% for the U.S. (USCB, 2000a) (USCB, 2000b) (USCB, 2000c) (USCB, 2000d) (USCB, 2000e) (USCB, 2006a) (USCB, 2006b) (USCB, 2006c) (USCB, 2006d)

Table 2.5-15 provides similar information about mean earnings in Luzerne County for 2000 and 2006. (USCB, 2000a) (USCB, 2000b) (USCB, 2000c) (USCB, 2000d) (USCB, 2000e) (USCB, 2006a) (USCB, 2006b) (USCB, 2006c) (USCB, 2006d)

The population of Luzerne County is aging, as represented by their rising median ages. In 2000, Luzerne County had a median age of 40.8 years and the 2006 median age was 42.3. These medians were higher than the median age of 38.0 years and 39.6 years in 2000 and 2006 for the Commonwealth of Pennsylvania and the national median of 35.3 years and 36.4 years in 2000 and 2006, respectively. (USCB, 2000k) (USCB, 2000m) (USCB, 2000n) (USCB, 2006e) (USCB, 2006g) (USCB, 2006h)

2.5.2.3.2 Columbia County

As shown in Table 2.5-14, the 2000 median household income in Columbia County was \$34,094 significantly lower than the Commonwealth of Pennsylvania (\$40,106) and the U.S. (\$41,994) median household income and about equal with the Scranton-Wilkes-Barre-Hazleton MSA (\$34,161). The 2006 median household income in Columbia County was \$39,135, lower than the \$46,259 for the Commonwealth of Pennsylvania and the \$48,451 for the U.S. (USCB, 2000a) (USCB, 2000b) (USCB, 2000c) (USCB, 2000d) (USCB, 2000e) (USCB, 2006a) (USCB, 2006b) (USCB, 2006c) (USCB, 2006d)

As shown in Table 2.5-14, in 2000, Columbia County's 13.1% of individuals living below the U.S. Census Bureau poverty level was higher than the 11.0% for the Scranton-Wilkes-Barre-Hazleton MSA, the 11.0% for the Commonwealth of Pennsylvania, and the 12.4% for the U.S. In 2006, Columbia County's 10.7% of individuals living below the U.S. Census Bureau poverty level was lower than the 12.1% for the Commonwealth of Pennsylvania and the 13.3% for the U.S. (USCB, 2000a) (USCB, 2000b) (USCB, 2000c) (USCB, 2000d) (USCB, 2000e) (USCB, 2006a) (USCB, 2006b) (USCB, 2006c) (USCB, 2006d)

Table 2.5-15 provides similar information about mean earnings in Columbia County for 2000 and 2006. (USCB, 2000a) (USCB, 2000b) (USCB, 2000c) (USCB, 2000d) (USCB, 2000e) (USCB, 2006a) (USCB, 2006b) (USCB, 2006c) (USCB, 2006d)

The population of Columbia County is aging, as represented by their rising median ages. In 2000, Columbia County had a median age of 37.5 years and the 2006 median age was 38.3. These medians were similar to the median age of 38.0 years and 39.6 years in 2000 and 2006 for the Commonwealth of Pennsylvania and higher than the national median of 35.3 years and 36.4 years in 2000 and 2006, respectively. (USCB, 2000l) (USCB, 2000m) (USCB, 2000n) (USCB, 2006f) (USCB, 2006g) (USCB, 2006h)

2.5.2.4 Housing

Table 2.5-16 presents information gathered by the U.S. Census Bureau about the residential and rental housing markets in Luzerne County and Columbia County in 2000 and 2006. The ROI had a total of 172,419 housing units in 2000. Of these units, 155,602 were occupied and 16,817 (9.8%) were unoccupied. Of the total number of occupied units in the ROI, 29.3% were occupied by renters. There were significantly more year-around units available than seasonal or occasional units, with 12,996 units available year-around and 3,821 units available seasonally. The ROI had a total of 176,132 housing units in 2006. Of these units, 155,336 were occupied and 20,796 (11.8%) were unoccupied. Of the total number of occupied units in the ROI, 26.3% were occupied by renters. There were significantly more year-around units available than seasonal or occasional units, with 16,390 units available year-around and 4,406 units available seasonally. (USCB, 2000k) (USCB, 2000l) (USCB, 2006i) (USCB, 2006j) (USCB, 2006k)

The ROI total housing units had an increase of 0.4%, of which the total occupied units decreased 0.03% and the total unoccupied increased by 3.9% on an average annual basis over the six year period. The small decrease of the total occupied units is due to a decrease of 1.7% of renter-occupied units on an average annual basis over the six year period.

Future housing needs will be determined by population growth, vacancy rates, and persons per household trends. As shown in Table 2.5-17, the number of single and multifamily residential building permits issued annually in the ROI increased from 613 permits in 2000 to 1,011 permits issued in 2003. The number of permits issued from 2004 to 2005 decreased but began to show an increase in 2006. In 2000, there were a reported 308,277 exiting units in the total ROI. The building permits issued in 2000 were for 678 units for a construction cost of \$68.9 million which peaked in 2003 with 1,126 units for a construction cost of \$145.7 million. Both the number of units built and the amount construction costs from 2004 to 2005 decreased but showed signs of an increase in 2006 (USCB, 2008).

In addition to the single family housing units in the ROI, rental units include 68 apartment/townhouse complexes (Table 2.5-18), and 96 hotel, motels, and bed and breakfasts with 3,674 units (Table 2.5-19) in the two-county ROI. Within the greater roughly 30 mi (48 km) radius, an additional seven apartment and five hotels and motels are available in additional counties (Schuylkill, Northumberland, and Carbon Counties) (Apartments, 2008) (AS, 2008) (BBD, 2008) (DOT, 2008) (ED, 2008) (HG, 2008) (IAF, 2008) (Move, 2008) (MTG, 2008) (PAMR, 2008) (Rent, 2008) (SB, 2008) (TH, 2008) (TL, 2008).

2.5.2.4.1 Luzerne County

As shown in Table 2.5-16, Luzerne County had a total of 144,686 housing units in 2000. Of the total units, 130,687 were occupied and almost 14,000 (9.7%) were unoccupied. Of the total number of occupied units in Luzerne County, 29.7% were occupied by renters. There were significantly more year-around units available than seasonal or occasional units, with 11,482 units available year-around and 2,517 units available seasonally. Of the available housing units in 2000, the vast majority of the units had plumbing and kitchen facilities, with the exception of 583 units and 496 units lacking plumbing and kitchen facilities, respectively. (USCB, 2000k) (USCB, 2000o) (USCB, 2006i) (USCB, 2006k)

Luzerne County had a total of 147,321 housing units in 2006. Of the total units, 130,034 were occupied and 17,287 (11.7%) were unoccupied. Of the total number of occupied units in Luzerne County, 27.1% were occupied by renters. There were significantly more year-around units available than seasonal or occasional units, with 13,948 units available year-around and 3,339 units available seasonally. Of the available housing units in 2006, the vast majority of the units had plumbing and kitchen facilities, with the exception of 205 units and 315 units lacking plumbing and kitchen facilities, respectively (USCB, 2006i).

The Luzerne County total housing units had an average annual increase of 0.3%, from 2000 to 2006, of which the total occupied units decreased 0.1% and the total unoccupied units increased by 3.9%.

The borough of Berwick had a total of 4,992 housing units in 2000 with 397 vacant, the City of Wilkes-Barre had 20,294 housing units with 2,333 vacant, the city of Nanticoke had 5,487 housing units with 637 vacant, and the city of Hazleton had 11,556 housing units with 1,275 vacant (USCB, 2000k) (USCB, 2000m) (USCB, 2000n) (USCB, 2000o).

As shown in Table 2.5-17, the number of single and multifamily residential building permits issued annually in Luzerne County increased over three years, from 471 permits issued in 2000

to 829 permits issued in 2003. From 2004 to 2005, the number of approved permits for construction began to decrease from 673 in 2004 to 403 in 2005, a decrease of 426 permits or 51.4% from 2003. However, in 2006, the number of approved permits began to increase when 480 permits were issued. In 2000, there were a reported 144,686 existing units in the Luzerne County. The number of units permitted in 2000 included 490 units with a construction cost of \$56.3 million, followed by annual increases that peaked in 2003 with 935 units for a construction cost of \$123.2 million. Both the number of units to be built and the amount of construction costs decreased in 2004 and 2005, but began to show an increase in 2006. In 2006, 536 units were permitted for a construction cost of \$98.9 million (USCB, 2008).

The median value of an owner-occupied unit in Luzerne County in 2000 was \$84,800 (USCB, 2000o - Table DP-4), which increased to \$102,800 in 2006 (USCB, 2006i).

In 2000, the gross median rent was \$434 per month in Luzerne County (USCB, 2000o) and increased to \$546 per month in 2006 (USCB, 2006i).

In addition to the single family housing units in Luzerne County, rental units included 25 apartment/townhouse complexes (Table 2.5-18 and Table 2.5-19) (Apartments, 2008) (IAF, 2008) (Move, 2008) (Rent, 2008) (SB, 2008) (YP, 2008). Based on conversations with various rental agencies and individual apartment complexes, lease terms varied with a majority requiring one year rentals. For some communities, short term leases were available in 3, 6, 7, or 9 month terms. At times, communities charged an additional percentage of the rent for short-term leases. Corporate housing was available in some individual communities.

Luzerne County also had 49 hotel, motels, and bed and breakfasts with 2,359 units within 30 miles (48 km) of Berwick (Table 2.5-19) (AS, 2008) (BBD, 2008) (DOT, 2008) (ED, 2008) (HG, 2008) (MTG, 2008) (PAMR, 2008) (SB, 2008) (TH, 2008) (TL, 2008). Based on conversations, hotels and motels indicated varying levels of use of capacity. Several indicated that they were generally booked up on weekends during the summer months, particularly during major recreational events, but were slower during the winter and tended to be busier on weekdays with business travelers.

2.5.2.4.2 Columbia County

As shown in Table 2.5-16 (USCB, 2000l) (USCB, 2006j) (USCB, 2006k), Columbia County had a total of 27,733 housing units in 2000. Of the total units, 24,915 were occupied and 2,818 (10.2%) were unoccupied. Of the total number of occupied units in Columbia County, 27.6% were occupied by renters. The unoccupied units were relatively equally comprised of units available year-around and those available only seasonally or occasionally, with 1,514 units available year-around and 1,304 units available seasonally. Of the available housing units in 2000, the vast majority of the units had plumbing and kitchen facilities, with the exception of 131 units and 115, respectively (USCB, 2000p).

Columbia County had a total of 28,811 housing units in 2006. Of the total units, 25,302 were occupied and 3,509 (12.2%) were unoccupied. Of the total number of occupied units in Columbia County, 22.7% were occupied by renters. The unoccupied units were greater for units available year-around than those available only seasonally or occasionally, with 2,442 units available year-around and 1,067 units available seasonally. Of the available housing units in 2006, the vast majority of the units had plumbing and kitchen facilities, with the exception of 115 units and 157 units lacking plumbing and kitchen facilities, respectively (USCB, 2006j).

The Columbia County total housing units had an average annual increase of 0.6% from 2000 to 2006, of which the total occupied units increased 0.3% and the total unoccupied units increased by 4.1%.

The town of Bloomsburg had 4,399 occupied housing units and 319 vacant units in 2000 (USCB, 2000l).

As shown in Table 2.5-17 (USCB, 2008), the number of single and multifamily residential building permits issued annually in Columbia County increased over three years, from 142 permits issued in 2000 to 182 permits issued in 2003. From 2004 to 2006, the number of approved permits for construction began to decrease from 156 in 2004 to 65 in 2006, a decrease of 117 permits or 64.3% from 2003. In 2000, there were a reported 27,733 existing units in the Columbia County. The number of units permitted from 2000 to 2004 varied but peaked in 2004 with 263 units with a construction cost of \$28.8 million. Both the number of units to be built and the amount of construction costs decreased over the next two years.

The median value of an owner-occupied unit in Columbia County in 2000 was \$87,300 (USCB, 2000p), which increased to \$98,900 in 2006 (USCB, 2006j).

In 2000, the gross median rent was \$448 per month in Columbia County (USCB, 2000p) and increased to \$575 per month in 2006 (USCB, 2006j).

In addition to the single family housing units in Columbia County, rental units included 5 apartment/townhouse complexes (Table 2.5-18) (Apartments, 2008) (IAF, 2008) (Move, 2008) (Rent, 2008) (SB, 2008) (YP, 2008). Based on conversations with various rental agencies and individual apartment complexes, lease terms varied with a majority requiring one year rentals. For some communities, short term leases were available in 3, 6, 7, or 9 month terms. At times, communities charged an additional percentage of the rent for short-term leases. Corporate housing was available in some individual communities.

Columbia County also had 47 hotel, motels, and bed and breakfasts with 1,321 units available within 30 mi (48 km) of Berwick (Table 2.5-19) (AS, 2008) (BBD, 2008) (DOT, 2008) (ED, 2008) (HG, 2008) (MTG, 2008) (PAMR, 2008) (SB, 2008) (TH, 2008) (TL, 2008). Based on conversations, hotels and motels indicated varying levels of use of capacity. Several indicated that they were generally booked up on weekends during the summer months, particularly during major recreational events, but were slower during the winter and tended to be busier on weekdays with business travelers.

2.5.2.5 Local Educational System

This section describes the school district facilities and enrollment levels in the two counties comprising the ROI. The two counties in the ROI have a total of 23 school districts with a total of 91 public schools plus one youth forestry camp school (juvenile justice service) with about 53,000 students enrolled during the 2005-2006 school year (NCES, 2008). There are also a total of 65 private schools in the ROI, with about 12,500 students enrolled (GS, 2008) (ST, 2008).

2.5.2.5.1 Luzerne County Public and Private Schools

The Luzerne County Public School System, which includes all of Luzerne County plus one school in Schuylkill County, has 16 school districts which includes 13 high schools, six middle schools, 45 elementary schools, one Intermediate Unit School, one Alternative School, and three Vocational Schools (which are high school level) (Table 2.5-20) (NCES, 2008). The public school system employed a total of 4,772 full-time equivalents (FTEs) in the 2005-2006 school

year, of which 2,581 FTEs were teachers (NCES, 2008). The schools had a student/teacher ratio range of 13.0 to 27.2 students per FTE (NCES, 2008). In the 2005-2006 school year, there were about 42,000 students enrolled in the Luzerne County public schools (NCES, 2008).

The 2004-2005 fiscal year total revenues for all of the school districts was \$452.1 million and the total expenditures for the school districts was \$446.8 million (NCES, 2008).

In addition to the public school system, Luzerne County has 57 private schools with about 11,000 students. Student/teacher ratios ranged from 3 to 35 students per FTE teacher in the private schools (see Table 2.5-21) (GS, 2008; ST, 2008).

2.5.2.5.2 Columbia County Public and Private Schools

The Columbia County Public School System, which includes all of Columbia County plus one school in Luzerne County, has seven school districts which include 12 elementary schools, five middle high schools, five high schools, and one vocational school (Table 2.5-20) (NCES, 2008). The public school system employed a total of 1,489 FTEs in the 2005-2006 school year, of which 768 FTEs were teachers (NCES, 2008). The 2005-2006 school year had a student/teacher ratio range of 10.9 to 16.4 students per FTE (NCES, 2008). There were about 10,800 students enrolled in the 2005-2006 school year in Columbia County (NCES, 2008).

The Berwick Area School District is the primary school district within Columbia County, as well as one of the major employers. The school system accounts for grades kindergarten through 12th grade within 4 elementary schools, 1 middle school, and 1 high school. District wide enrollment for public schools is 3,160 and an additional 429 are enrolled in private school. Approximately 16 children are assigned to every one teacher depending on the class taught. The district employs 680 people, of which 279 are certified teaching professionals.

Within the Berwick Area School District, overall enrollment has dropped over the last 10 years. Future plans for the district suggest that enrollment may rise due to its unique position of being located within both Luzerne and Columbia Counties. Funding for the school district has been stable based on the 2007-2008 annual budget of \$41 million.

The 2004-2005 fiscal year total revenues for all the school districts was \$117.4 million and the total expenditures for the school districts was \$110.8 million (NCES, 2008).

In addition to the public school system, Columbia County has eight private schools with about 1,500 students. The student/teacher ratio ranges from 5 to 33 students per FTE (Table 2.5-21) (GS, 2008) (ST, 2008).

2.5.2.5.3 Colleges and Higher Education

There are seven colleges in the ROI, King's College, Luzerne County Community College, Misericordia University, Penn State Hazleton Campus, Penn State Wilkes-Barre Campus, Wilkes University, and Bloomsburg University.

Wilkes University offers more than 35 majors and concentrations, including education, engineering, biology, and nursing; 13 pre-professional programs including preparation for entry into a number of health professional fields like medicine, dentistry, optometry, podiatry, and more; and the six-year doctor of pharmacy program in the Nesbitt College of Pharmacy and Nursing. The enrollment was about 2,200 full-time undergraduate students (LC, 2008).

Luzerne County Community College is a public, two-year comprehensive community college for residents of Luzerne County and the surrounding areas throughout northeastern Pennsylvania. Its 167 acre main campus is located in Nanticoke in the center of Luzerne County. The College currently offers degree programs in the liberal arts and sciences, technical-career programs; certificate programs, and diploma programs (LC, 2008).

Misericordia University is a liberal arts based co-educational Catholic university. Total enrollment was more than 2,100 students, including full and part-time undergraduates and graduate students. Misericordia University's academic emphasis focuses on liberal arts, professional, and pre-professional studies. Misericordia University offers 30 majors in four academic divisions: behavioral sciences, education and business, health sciences, humanities, and mathematical and natural sciences (LC, 2008).

King's College is an independent four-year liberal arts college founded by the Congregation of Holy Cross in 1946, with an enrollment of 2,200 students in 2005 (LC, 2008).

Pennsylvania State (PSU) Hazleton and Wilkes-Barre students can complete the first two years of most of the 160 majors offered by Penn State University, and then transfer to the main campus to complete their bachelor's degrees. In addition, PSU Hazleton offers a limited number of bachelor's degrees, and an extensive list of associate's degrees - business administration; electrical engineering technology; information sciences and technology; letters, arts, and sciences; mechanical engineering technology; medical laboratory technology; nanofabrication manufacturing technology; and physical therapist assistant. The enrollment was about 1,100 full- and part-time students (LC, 2008).

PSU Wilkes-Barre offers two satellite centers to extend the resources of the university - the Northern Tier Center in Bradford County and the Kingston Center located at the Wyoming Valley West Middle School. These centers provide courses for a certificate, associate, and a baccalaureate degree in Business Administration. Students can begin any one of over 160 Penn State majors at Penn State Wilkes-Barre and then complete a degree at another Penn State campus, including the main campus at University Park. Students can also earn one of eight Bachelor's degrees or seven Associate's degrees at the Penn State Wilkes-Barre campus. The enrollment was about 780 students (LC, 2008).

Bloomsburg University offers 63 undergraduate degree programs and several health care programs involving clinical study elsewhere. Several programs offer concentrations within the major, such as biology (BU, 2008).

2.5.2.6 Area Recreational Opportunities

2.5.2.6.1 Luzerne County

In Luzerne County there are four state parks, six state game lands, one state forest area, and three county parks. Each is unique in its own way and offers a multitude of outdoor activities to visitors. They are managed by the PA Department of Conservation and Natural Resources, PA Game Commission, and the Luzerne County Division of Parks. These areas provide ample opportunities for birdwatching, snowmobiling, skiing, cross country skiing, fishing, hunting, camping, canoeing, kayaking, walking, running, bike riding, hiking, horseback riding, rock climbing, golfing, swimming, and exploring cultural and historic areas. In addition, there are opportunities for picnicking, outdoor performances, areas to rent for company or family gatherings, historic sites, playgrounds, athletic fields, and much more.

The Luzerne County state game lands (SGL) include the following designated routes: SGL 57 approximately 8 mi (12.9 km); SGL 91 approximately 6 mi (9.7 km), SGL 91 approximately 2 mi (3.2 km), SGL 119 approximately 8.5 mi (13.7 km), SGL 207 approximately 1 mi (1.6 km), SGL 260 approximately 4.5 mi (7.2 km), and SGL 292 approximately 5 mi (8.0 km). These areas offer recreational activities that include but are not limited to hiking, horse back riding, biking, hunting, and snowmobiling (PAGC, 2008).

The state forest located in Luzerne County is Lackawanna State Forest, which has diverse recreational opportunities. The state forest is approximately 8,115 ac (3,284 ha) of land in two separate tracts. The two tracts are the Thornhurst tract in Lackawanna County and the West Nanticoke tract in Luzerne County. The West Nanticoke tract offers over 1,400 ac (567 ha) of hunting fishing, hiking, and nature study (PADCNr, 2008).

The four state parks located in Luzerne County include Lehigh Gorge, Frances Slocum, Ricketts Glen, and Nescopeck. Lehigh Gorge is located in Luzerne and Carbon Counties. The Lehigh Gorge State Park is approximately 4,548 ac (1,841 ha) of park land that follows the Lehigh River from Francis E. Walter Dam in the north to Jim Thorpe, PA, in the south. The Lehigh Gorge Trail follows over 20 mi (32 km) of abandoned railroad grade along the river, providing many recreational opportunities. Recreational opportunities include hiking, biking, whitewater boating, fishing, hunting, wildlife watching, and winter activities. Frances Slocum state park consists of 1,035 ac (419 ha) in northeastern Luzerne County. Recreational opportunities include hiking, trail biking, picnicking, swimming, boating, fishing, hunting, sledding, ice fishing, ice skating, organized group tenting, and camping. Nescopeck State Park is bordered on the south by steep Mount Yeager and on the north by Nescopeck Mountain. The state park is 3,550 ac (1,416 ha) encompassing wetlands, rich forests, and diverse habitats. Recreational opportunities include hiking, fishing, hunting, wildlife watching, and cross country skiing. Ricketts Glen State Park harbors Glens Natural Area, a national natural landmark. Ricketts Glen is comprised of 13,050 acres (5,281 ha) in Luzerne, Sullivan, and Columbia counties. Recreational opportunities include hiking, horseback riding, picnicking, swimming, boating, fishing, hunting, waterfalls, winter activities, organized group tenting, cabins, and camping (PADCNr, 2008).

Luzerne County has three county parks, Moon Lake Park, Luzerne County Sports Complex, and The Tubs Nature Area (LC, 2008). The 76 local municipalities in Luzerne County provide a number and variety of parks and recreation areas. One example is the Wilkes-Barre Riverfront Park which the City of Wilkes-Barre owns and maintains. The park has 91 acres (37 ha) of open space and floodplain forest along the Susquehanna River.

The Susquehanna Riverlands Environmental Preserve is a 1,200 ac (486 ha) preserve encompassing a wide variety of upland and wetland habitats along both sides of the Susquehanna River. The Riverlands Recreation Area includes natural and recreational areas including the Riverlands Nature Center, the Riverlands Recreation Area, Lake Took-A-While (a 30 ac (12 ha) fishing lake and a restored section of the North Branch Canal), and the Wetlands Nature Area (Section 2.2.1).

As shown in Table 2.5-22 (MLP, 2008) (PADCNr, 2008) (PAFBC, 2008), Luzerne County has 13 boat launch sites. The lakes and ponds have different requirements as to the type of watercraft that is allowed on the water. Some of the lakes are non-motorized waterbodies, while others prohibit internal combustion motors, certain size horsepower motors, or implement speed restrictions. As shown in Table 2.5-23 (PAFBC, 2008), there are only three charter boat/fishing guides in Luzerne County.

There are 13 campgrounds within Luzerne County within a 30-mi radius (48 km) of Berwick providing various types of facilities and experiences (Table 2.5-24) (CPA, 2008) (CU, 2008) (GC, 2008) (HC, 2008) (HLC, 2008) (MLP, 2008) (PADCNR, 2008) (RVPR, 2008) (WG, 2008). There are about 1,389 camp sites at these facilities.

2.5.2.6.2 Columbia County

In Columbia County there is one state park, 3 state game lands, and two county parks. The state park is Rickett's Glen State Park, which also lies within Luzerne County. Rickett's Glen is described in Section 2.5.2.6.1.

The Columbia County state game lands (SGL) include the following designated routes: SGL 58 approximately 11.3 miles (18.2 km), SGL 226 approximately 4.3 mi (6.9 km), SGL 226 approximately 3 mi (4.8 km), and SGL 329 approximately 0.9 mi (1.4 km). These areas offer recreational activities that include but are not limited to hiking, horse back riding, biking, hunting, and snowmobiling (PAGC, 2008). The two county parks include Bloomsburg Town Park and Twin Bridges Park, currently under construction (CC, 2008).

As shown in Table 2.5-22 (MLP, 2008) (PADCNR, 2008) (PAFBC, 2008), Columbia County has three boat launch sites. The lakes and ponds have different requirements as to the type of watercraft that are allowed on the water. Some of the lakes are non-motorized waterbodies, while others prohibit internal combustion motors, certain size horsepower motors, or implement speed restrictions. As shown in Table 2.5-23 (PAFBC, 2008), there are only two charter boat/fishing guides in Columbia County.

There are 15 campgrounds in Columbia County within a 30 mi (48 km) radius of Berwick providing various different types of facilities and experiences (Table 2.5-24) (CPA, 2008) (CU, 2008) (GC, 2008) (HC, 2008) (HLC, 2008) (MLP, 2008) (PADCNR, 2008) (RVPR, 2008) (WG, 2008). There are about 1,509 camp sites at these facilities.

2.5.2.7 Region Tax Structure and Distribution

The types of taxes and the associated rates that are levied in each county and the Commonwealth of Pennsylvania are presented in Table 2.5-25 (Bankrate, 2008) (PDR, 2008a) (PDR, 2008b) (PDR, 2008c) (PDECD, 2008c) (PDECD, 2008d). In general, the Commonwealth of Pennsylvania relies substantially upon income and sales tax revenues and the counties rely upon property tax and hotel tax revenues.

2.5.2.7.1 Commonwealth of Pennsylvania

In 2008, the Commonwealth of Pennsylvania levied a state income tax at a flat rate of 3.07% on individual income, with no exemptions allowed (Bankrate, 2008). However, residents who live on a reduced income can qualify for the state's Tax Forgiveness Credit, depending on their income levels and family size (PDR, 2008c)

The state also levies a 6.0% sales tax on taxable goods and services. Major items exempted from the sales tax include food (not ready-to-eat), most apparel, drugs, textbooks, sales for resale, and residential heating fuel (Bankrate, 2008)

Real property taxes are not levied by the Commonwealth of Pennsylvania, and instead are imposed by counties, cities, townships, and school districts. However, a real estate transfer tax is levied that includes 1.0% for the State and 1.0% for the county. The rate imposed at the local level cannot exceed 1.0%, and thus if the both a municipality and a school district levy a tax, they must share the 1.0% maximum (GHC, 2008).

2.5.2.7.2 Luzerne County

Luzerne County does not levy a sales tax on goods and services. However, in 2008, the County did levy a 5.0% tax on hotel room rentals (PDECD, 2008d).

Within Luzerne County, all real estate, unless specifically exempt, is taxable. The county imposed a rate of 94.9 mills on residential real property (PDECD, 2008d). The County splits the real estate transfer tax with the school districts, with 0.5% allocated to the County and 0.5% allocated to the school districts (GHC, 2008).

As shown in Table 2.5-26 (LC, 2008), in 2007 Luzerne County had a total of \$140.8 million in revenues and \$142.0 million in expenditures. Of the total revenues, about 52% (\$72.4 million) came from real estate taxes, 37% (\$52.4 million) came from departmental earnings, and 10% (\$13.8 million) came from claims taxes.

2.5.2.7.3 Columbia County

As with Luzerne County, Columbia County does not levy a sales tax on goods and services. However, in 2008, the County did levy a 3.0% tax on hotel room rentals (PDECD, 2008c).

All real estate within Columbia County is taxable, unless specifically exempt. The county imposes a rate of 7.4910 mills on real property (PDECD, 2008c).

The borough of Berwick imposes the following tax rates: 10.6 mills for the General Fund, 1.25 mills for fire protection, and 1.75 mills for street lighting.

As shown in Table 2.5-27 (CC, 2008), in 2006 Columbia County had a total of \$16.7 million in revenues and \$16.4 million in expenditures. Of the total revenues, about 35% (\$5.9 million) came from state grants, 33% (\$5.5 million) came from real estate taxes, 18% (\$0.3 million) came from departmental earnings.

2.5.2.8 Local Land Use Plans

2.5.2.8.1 50 Mi (80 km) Comparative Geographic Area

There are six major land uses within the 50 mi (80 km) region that account for about 5 million acres (2 million ha) of land. The major land uses are urban/built-up (9%), barren (1%), wetlands (2%), water (2%), forest (65%), and agricultural (21%). For additional information about land use, refer to Section 2.2.

2.5.2.8.2 Two County Region of Influence

Luzerne County

The three classifications of barren, wetlands, and water together account for 6% of the total county lands for Luzerne County. Urban or built-up lands occupy little of the county's land, with Luzerne County having only 11%. The majority of the land use is dominated by forest and agricultural lands. Luzerne County is comprised of 71% forest land and 11% agricultural lands.

The BBNPP site is characterized by forests, open, undeveloped, agricultural, mined, and developed lands. The developed portions of this area are located in and around the city of Hazleton and the eastern outskirts of the borough of Berwick. As shown in Table 2.2-1, most of the BBNPP site is zoned as an agricultural district with a much smaller portion zoned as a

conservation district. Small areas of the site to the north and east adjacent to SSES are zoned heavy industrial. For additional information about land use, refer to Section 2.2.

A representative of the Luzerne County Planning Commission stated that the department had been downsized from 13 to 5 staff, and was now understaffed. Because of the downsizing, the department no longer collects information about housing starts and other issues.

Columbia County

The three classifications of barren, wetlands, and water together account for 2% of the total county lands for Columbia County. Urban or built-up lands occupy little of the county's land, with Columbia County having only 7%. The majority of the land use is dominated by forest and agricultural lands. Columbia County is comprised of 62% forest land and 29% agricultural lands.

According to a representative from the Columbia County Commissioners' Office of Planning and Development, many of the smaller townships and municipalities do not have professional planning staffs. For this reason, he suggested the overall needs of the county are difficult to assess. Within Columbia County, most residential development is small scale with subdivisions generally having 10 to 20 lots. Two large scale developments have been approved near Scott Township and Orange Township. Commercial development, on the other hand, typically follows the large transportation corridors. The representative noted larger commercial developments along Interstate 80 and Route 11.

2.5.2.9 Area Public Facilities and Social Services

Public services consist of schools and colleges or universities; social services; water and sewer services; police protection, fire suppression, and emergency medical service (public safety); and hospitals and doctors. In both counties, most of these services are located near economic centers.

Schools and post-secondary education are discussed in Section 2.5.2.5.

2.5.2.9.1 Social Services

The Luzerne County Office of Human Services' Personnel Department provides recruitment and other personnel services for the Luzerne/Wyoming Counties Transportation Department, Luzerne County Commission for Women, and four County Civil Service Agencies: Luzerne County Children & Youth Services, Luzerne-Wyoming Counties Mental Health / Mental Retardation program, Luzerne-Wyoming Counties Drug & Alcohol Program, and the Area Agency on Aging for Luzerne-Wyoming Counties (LC, 2008).

Residents of Pennsylvania can seek assistance and a range of services for themselves and their families from professionally trained staff members at their County Assistance Office. The County Assistance Office provides the following types of services: child welfare services, food stamps, health care/medical assistance, heating assistance, mental health/substance abuse services, a homeless assistance program, integrated children's services plan, legal services, domestic violence crisis and prevention, and many more services (PADOH, 2008)

2.5.2.9.2 Water and Sewer Services

Two general types of aquifers occur in the region. The first consists of the sandstone and occasional limestone strata that occur within the predominant shales of the Paleozoic rock. The second exists in the unconsolidated overburden material that is for the most part Pleistocene

stratified drift, till, or kames (laid down within the last 70 million years). Within two miles (3 km) of BBNPP, most groundwater wells are completed in the bedrock shales (SSES, 2006).

BBNPP is not located in a recharge area for any aquifer; however, recharge to the unconsolidated sand and gravel does occur over the site. Groundwater movement on the site is generally in an easterly direction and ultimately discharges to the Susquehanna River (SSES, 2006).

Water demand for urbanized areas can vary from 50 to 180 gpd (189 to 681 lpd) per capita, depending on individual activities and weather conditions. When planning for water demand, current and future supplies of water, the capacity of the water treatment facility, water pressure and velocity in the supply system, the potential for emergency use, and the location and capacity of wastewater are important factors of consideration. The cost and need for infrastructure is dependent on these characteristics (APA, 2005).

Residents of urbanized areas typically create about 150 gpd (568 lpd) of waste water per capita for a public sewage system to handle. Wastewater facilities should be planned to meet these potential needs. Combined sewer systems can be used to convey domestic and industrial wastewater, and during wet weather, rainfall runoff. (APA, 2005).

Because the BBNPP site is in Salem Township (in Luzerne County) and most of the existing SSES Units 1 and 2 employees reside in Luzerne County or Columbia County, the discussion of public water supply systems are limited to these two counties. SSES obtains potable water for drinking, pump seal cooling, sanitation, and fire protection through the onsite groundwater well system. Three additional wells provide water to the Energy Information Center, Riverlands Recreation Area, and the West Building (former Emergency Operations Facility). SSES does not use municipal water (SSES, 2006). There are also other SSES wells that are either used infrequently or not used at all.

2.5.2.9.2.1 Luzerne County

Table 2.5-28 lists the largest municipal water suppliers (serving greater than 4,500 people) in Luzerne County (SSES, 2006). Of these water systems, the Crystal Lake system is operating at 83% of capacity during maximum production, Nesbitt is operating at 92% of capacity, and the Watres system is operating at 100% of capacity. Use of average capacity is only high for the Nesbitt system, with 83% use of capacity.

Based on reviewing the Environmental Protection Agency's (EPA) Safe Drinking Water Information System (SDWIS) which provides information about public water systems and their violations of EPA's drinking water regulations, there were 317 listings serving a population of 319,227 (EPA, 2008) (Table 2.5-29). EPA regulates public water systems; it does not have the authority to regulate private drinking water wells.

Surface water is the primary source of potable water for the majority of Luzerne County residents. Sources include lakes, rivers, reservoirs, and their tributaries, but not the Susquehanna River. The Susquehanna River is a source for drinking water for residents south of Danville Borough in Montour County, PA. Currently, both surface and groundwater sources in the county provide adequate supply for the population (SSES, 2006).

At times, water quality issues have been identified in selected surface water bodies and groundwater sources from both point source and non-point source pollution. These issues have included excessive metals concentrations, acid mine drainage, turbidity, excessive sedimentation, sewage contamination, landfill leachate, and excessive volatile chemicals,

nitrites/nitrites, pesticides, petroleum products, and underground storage tank contamination. Although water quality has been an issue at some source locations, most sources and municipal water suppliers are able to provide water yields capable of sustaining both domestic and non-domestic uses (SSES, 2006).

According to a representative of the Pennsylvania Department of Environmental Protection, Northeast Region, Luzerne County has a number of sewer authorities. The largest is the Wyoming Valley Sanitary Authority (WVSA), which has a capacity of over 32 million gpd, while the Greater Hazleton Joint Sewer Authority (GHJSA) has a permitted average of 8.9 million gpd at the treatment facility (GHJSA, 2008) (WVSA, 2008). The Mountaintop Area Joint Sewer Authority and the Lower Lackawanna Valley Sewer Authority (LLVSA) also have capacities of over 1 million gpd. Several smaller authorities operate in Luzerne County, including but not limited to the Conyngham Borough Authority, the Butler Township Sewer Authority, the Freeland Sewer Authority, the Shickshinny Sewer Authority, and the Nescopeck Sewer Authority. The smaller authorities typically can handle 100,000 to 1 million gpd.

Combined sewer outfalls also are present in Luzerne County. These systems carry both rain water and sewage in the same pipe. The WVSA operates 54 outfalls, the LLVSA has 26, the GHJSA has 15, and the Freeland Authority has one. The NPDES permits provided information regarding the overall accepted flow at each facility. Additional information regarding the individual sewer authorities was limited due to the lack of content on the internet. (USEPA, 2008b)

2.5.2.9.2.2 Columbia County

Table 2.5-28 lists the largest municipal water suppliers (serving greater than 4,500 people) in Columbia County (SSES, 2006). Of these water systems, the Bloomsburg system is operating at 84% of capacity during maximum production but 62% of capacity during average production.

Based on reviewing the EPA SDWIS, there were 106 listings serving a population of 55,909 (EPA, 2008) (Table 2.5-29). EPA regulates public water systems; it does not have the authority to regulate private drinking water wells. Columbia County has 13 surface water sources and 11 groundwater sources.

Water quality issues have been identified in two surface water bodies and some groundwater sources. These include excessive metals concentrations, acid mine drainage, sedimentation, sewage contamination, landfill leachate, and underground storage tank contamination. Columbia County's Comprehensive Plan states that, although water quality has been an issue in some source locations, most sources are able to provide water yields capable of sustaining both domestic and nondomestic uses through 2010 estimates of need (SSES, 2006).

Columbia County's primary sewer authority is the Berwick Area Joint Sewer Authority (BAJSA). In its current configuration, the BAJSA plant is permitted for 3.64 million gpd from the borough of Berwick and five adjoining municipalities (BOOK, 2008). This Authority operates four combined sewer outfalls. Thirteen additional public sewer authorities operate in Columbia County. A listing of these authorities was provided by the Pennsylvania Department of Environmental Protection-North Central office. The NPDES permits provided information regarding the overall accepted flow at each facility. Additional information regarding the individual sewer authorities was limited due to the lack of content on the internet (USEPA, 2008b).

2.5.2.9.3 Police and Sheriff Services

The two-county ROI receives law enforcement services from the Pennsylvania Department of State Police, the Luzerne County Sheriff's Department, Columbia County Sheriff's Department, and the local cities, towns, township, or borough police departments.

2.5.2.9.3.1 Luzerne County

The Luzerne County Sheriff's Office law enforcement division includes road patrol, the civil division, community service division, gun permit division, protection from abuse division, real estate division, the search and rescue division, sheriffs sales, and the warrants division (LC, 2008). In addition, there are 37 police departments in the County (USAC, 2008).

Luzerne County also operates a jail with 303 security officers, 9 administration staff members, 19 treatment staff members, and 23 support staff members. The county jail has an average daily population of 717 people (PADOC, 2007) (PADOC, 2008).

Local police departments assist in the overall law enforcement efforts in the County. Based on conversations with the Salem Township Police Department (STPD), the office is staffed by 3 full-time and 4 part-time officers and operates on a shortened schedule, when compared to other departments in Luzerne County. In 2007, the Department handled 2,536 calls. In the prior two years, the department had 4,487 total calls. The STPD had an approximate \$170,000 operating budget.

The Pennsylvania State Police handles all calls when local officers are not on duty. The Pennsylvania State Police also have an office located in Hazleton and a second station in Wyoming. These stations house Troop N with 244 enlisted and civilian personnel. The troop service area covers 1,766 mi² (4,574 km²) and includes service for approximately 600,000 people. In 2006, Troop N handled 47,311 incidents. The Troop P Shickshinny Station, which also serves Luzerne County, is located in Berwick (PSP, 2008a) (PSP, 2008b).

2.5.2.9.3.2 Columbia County

The Columbia County Sheriff's Office law enforcement division includes firearms, the civil division, warrants, protection from abuse, courtroom security, training, and prisoner transport (CC, 2008). The primary function of the Columbia County Sheriff's Department (CCSD) is to transport prisoners, serve as courtroom security, and to serve/administer Protection from Abuse (PFA) orders, along with responsibilities for physical service within civil processes. A departmental representative stated that deputies within the CCSD do not typically respond to calls within the County; public calls are handled by the local authority or State Police. For this reason, the total number of calls handled by this department is not available. The CCSD was staffed by 7 full-time and 6 part-time deputies in FY 2008. The representative indicated that they currently are headquartered in an office within a municipal building, where their jail is also located. The existing staff is operating at capacity, and the representative stated that they have additional staff and capital/facility needs, such as a new headquarters, improvements to the jail, and vehicle purchases.

The average inmate population in the Columbia County jail is 126 inmates per day. The annual prison budget for 2007 was about \$2.86 million. This budget allowed for 54 full-time security staff, 4 full-time administrative staff, 1 treatment staff member, and 1 additional support member (PADOC, 2007) (PADOC, 2008).

There are eight local police departments that assist with law enforcement efforts within Columbia County (USAC, 2008). According to a department representative, the Berwick Police

Department has a staff of 15 full-time officers and 4 part-time officers supported by 2 civilian staff members. In 2007, the department received 5,694 calls. The department has holding cells for processing, as well. The Berwick Police Department operates on a budget of approximately \$1.3 million. The representative suggested that current needs called for 1 to 2 additional patrol officers and updates to the current vehicle fleet and computer equipment. Troops P and N of the Pennsylvania State Police serve the Columbia County area. Troop N has a station located in Bloomsburg (PSP, 2008a) (PSP, 2008b).

2.5.2.9.4 Fire Suppression Services

2.5.2.9.4.1 Luzerne County

According to the U.S. Fire Administration, there are 68 fire departments with 87 fire stations in Luzerne County with 2,391 active firefighters that are either career, volunteer, or paid per call firefighters. In addition, there are 970 non-firefighter civilians or volunteers within the fire departments (USFA, 2008). The number of stations and an indication of the general distribution of volunteers are provided in Table 2.5-31.

The Salem Township Volunteer Fire Company is one of several companies that provides service within Luzerne County. The township has one fire station with 25 to 30 volunteer firefighters. According to a representative of the Company, no paid personnel are present. Because the Company is staffed only by volunteers, dedicated search and rescue capabilities are not available. The Company's equipment consists of five vehicles, including two brush trucks, one tanker, one engine, and one rescue vehicle. An average of 140 calls are taken per year. According to the representative, the Company has agreements with East Berwick, Mocanaqua, Summer Hill, Shickshinny, and Nescopeck Township to assist in the provision of services. Current needs for the Company include the replacement of the engine and additional volunteers. The building, which houses the engines, also may require updates because the new vehicle sizes are difficult to accommodate with the older station. Discussions also have occurred regarding potentially merging the Salem Township Volunteer Fire Company with the East Berwick Hose Company.

2.5.2.9.4.2 Columbia County

According to the U.S. Fire Administration, there are 23 fire departments with 27 fire stations in Columbia County with 967 active firefighters that are either volunteer or paid per call firefighters. In addition, there are 353 non-firefighter civilians or volunteers within the fire departments (USFA, 2008). The number of stations and an indication of the general distribution of volunteers are provided in Table 2.5-31.

The size and staff characteristics of the fire stations vary throughout the county. One of the largest municipal fire departments is the Berwick Fire Department. According to a representative of the Berwick Fire Department, their services consist of five operating buildings and a volunteer force of 100 firefighters. The stations have a total of four engines dating between 2003 and 2008, one ladder truck (1998), one cascade, one heavy rescue, and one water rescue vehicles. Of the 100 firefighters, 25 to 30 can operate as search and rescue personnel. In 2007, the Berwick Fire Department answered 369 calls, of which 10 were for search and rescue operations. The representative stated that the department does not have additional existing staff or equipment needs.

2.5.2.9.5 Emergency Medical Services

The Department of Health is the lead agency for emergency medical services (EMS) in the Commonwealth. The Department's Bureau of Emergency Medical Services is responsible for

the statewide development and coordination of a comprehensive system to prevent and reduce premature death and disability. The Bureau also interfaces with the State Health Improvement Plan (SHIP) and Healthy People 2010 objectives for the Commonwealth.

The State's EMS system includes 16 Regional EMS Councils, the Statewide Advisory Council, and the Pennsylvania Trauma Systems Foundation. Approximately 50,000 EMS personnel and over 1,000 licensed ground and air ambulance services respond to over one million patients each year in Pennsylvania's EMS delivery system (PADOH, 2008).

Ambulance services are licensed to provide care at two levels in the Commonwealth of Pennsylvania: Basic Life Support (BLS) and Advanced Life Support (ALS) (PADOH, 2008).

Luzerne County is part of the EMS of Northeastern PA, Inc. and Columbia County is part of the Susquehanna EHS Council, Inc.

2.5.2.9.6 Hospitals and Doctors

50 mi (80 km) Comparative Geographic Area

In 2003, the U.S. Census Bureau determined that the Scranton-Wilkes-Barre MSA had 1,404 doctors, or 254 physicians for every 100,000 persons. There also were 14 community hospitals with 2,140 beds, or 387 beds for every 100,000 persons in the MSA (USCB, 2006).

There are 11 hospitals in the ROI: Geisinger South Wilkes-Barre in Wilkes-Barre, Geisinger Wyoming Valley Medical Center in Wilkes-Barre, Hazleton General Hospital in Hazleton, Wyoming Valley Health Care System-Hospital Inc in Wilkes-Barre, First Hospital Wyoming Valley in Wilkes-Barre, John Heinz Institute of Rehabilitation in Wilkes-Barre, Kindred Hospital - Wyoming Valley, Mercy Special Care Hospital in Nanticoke, VA Medical Center - Wilkes-Barre, Berwick Hospital Center in Berwick, and Bloomsburg Hospital in Bloomsburg (PADOH, 2008). These facilities and other medical services are described below.

2.5.2.9.6.1 Luzerne County

Luzerne County has nine hospitals, Geisinger South Wilkes-Barre, Geisinger Wyoming Valley Medical Center, Hazleton General Hospital, Wyoming Valley Health Care System-Hospital Inc, First Hospital Wyoming Valley, John Heinz Institute of Rehabilitation, Kindred Hospital - Wyoming Valley, Mercy Special Care Hospital, and VA Medical Center - Wilkes-Barre.

Geisinger South Wilkes-Barre (GSWB) is a non-governmental, general acute care hospital with Joint Commission on Accreditation of Healthcare Organizations (JCAHO) accreditation (PADOH, 2008) (JC, 2008). Geisinger acquired South Wilkes-Barre in December 2005. Originally opened in 1898, GSWB is a fully accredited hospital licensed for 210 beds, including 20 skilled nursing beds, 10 adolescent psychiatry beds, and 180 medical-surgical beds. GSWB offers a wide range of services, including a 24-hour-a-day emergency room, a fully accredited sleep disorders center, and a heart center that features comprehensive diagnostics, cardiac catheterization, surgical, and cardiac rehabilitation services (Geisinger, 2006). There were 3,642 admissions, with an average length of stay of 5.33 days in 2005-2006 (PADOH, 2008).

Geisinger Wyoming Valley Medical Center (GWV) is a non-governmental, general acute/tertiary care hospital with JCAHO accreditation (PADOH, 2008) (JC, 2008). Geisinger Wyoming has 177 acute care licensed beds with 148 beds set up and staffed in 2005-2006. There were 8,975 admissions, with an average length of stay of 4.44 days in 2005-2006 (PADOH, 2008). GWV provides comprehensive healthcare services including pediatrics, sleep disorders, cardiology

services, orthopedics, and cancer care. The GWV emergency department offers fast-track care for those patients not requiring full trauma treatment (Geisinger, 2006).

Hazleton General Hospital is a non-governmental, general acute care hospital with JCAHO accreditation (PADOH, 2008) (JC, 2008). Hazleton General has 150 acute care licensed beds with 120 beds set up and staffed in 2005-2006. There were 6,886 admissions, with an average length of stay of 5.2 days in 2005-2006 (PADOH, 2008). Hazleton General underwent a \$18 million construction and renovation project from 2005 to 2006, which included a two-story Annex building constructed at the back of the hospital to house a new, state-of-the-art laboratory, medical records department, medical library, physician staff office and lounge, quality management and administrative offices. A Step-Down Unit was also constructed to serve patients who were transitioning from the Intensive Care Unit. The Emergency Department was expanded to double its size to better accommodate the growing community population in one central location. The hospital also formed a partnership with Lehigh Valley Hospital to provide physician staffing to the new Emergency Department, allowing Hazleton Hospital to have access to specialists and technologies only found at larger medical facilities. A new Surgical Suite and Short Procedure Unit rounded out major medical service renovations and expansions within the hospital. The hospital constructed a 72,000 ft² (6689 m²) Health & Wellness Center in 2005 (GHHA, 2008).

Wyoming Valley Health Care System-Hospital, Inc (WVHCS) is a non-governmental, general acute care hospital with JCAHO accreditation (PADOH, 2008) (JC, 2008). WVHCS had 412 acute care licensed beds, with 333 beds set up and staffed in 2005-2006. The hospital also has a long-term care unit. There were 17,926 admissions, with an average length of stay of 4.87 days (PADOH, 2008).

First Hospital Wyoming Valley is a non-governmental, specialty care hospital with JCAHO accreditation (PADOH, 2008) (JC, 2008). The hospital had 96 licensed beds set up and staffed in 2005-2006. There were 3,030 admissions, with an average length of stay of 8.71 days (PADOH, 2008).

John Heinz Institute of Rehabilitation is a non-governmental, specialty care hospital with JCAHO accreditation (PADOH, 2008) (JC, 2008). The hospital had 94 licensed beds set up and staffed in 2005-2006. There were 2,007 admissions, with an average length of stay of 13.2 days (PADOH, 2008).

Kindred Hospital - Wyoming Valley is a non-governmental, specialty care hospital with JCAHO accreditation (PADOH, 2008) (JC, 2008). The hospital had 36 acute care licensed beds set up and staffed in 2005-2006. There were 369 admissions, with an average length of stay of 25.21 days (PADOH, 2008).

Mercy Special Care Hospital is a non-governmental, long-term acute care hospital and had 67 acute care licensed beds set up and staffed in 2005-2006. There were 631 admissions, with an average length of stay of 28.28 days (PADOH, 2008).

VA Medical Center - Wilkes-Barre is a federal general care hospital with JCAHO accreditation (PADOH, 2008) (JC, 2008). The VA Medical Center serves 19 counties in Pennsylvania and one county in New York. The Wilkes-Barre VA Medical Center is a general medical and surgical facility consisting of 79 operating hospital beds, 105 operating nursing home beds, and 10 substance abuse residential rehabilitation treatment program beds (USDVA, 2008). There were 2,410 admissions, with an average length of stay of 6.35 days (PADOH, 2008).

In addition to the above hospitals, Luzerne County has 26 nursing homes with 2,912 licensed/ approved beds (PADOH, 2008).

2.5.2.9.6.2 Columbia County

Columbia County has two hospitals, Berwick Hospital Center and Bloomsburg Hospital. Berwick Hospital is a non-governmental, general acute care hospital with JCAHO accreditation. The facility has 101 acute care licensed beds and 240 long-term care licensed beds. There are 50 active physicians and 21 courtesy physicians at Berwick Hospital (BHC, 2008). Berwick Hospital had 3,326 admissions from 2005 to 2006, with an average length of stay of 4.59 days (PADOH, 2008). The Berwick Hospital Center (BHC) is staffed by 71 physicians and a total of 600 hospital employees. Approximately, 101 acute care and 240 long-term care licensed beds are available (BHC, 2008). Bloomsburg Hospital is non-governmental, general acute care hospital and has 72 acute care licensed beds. There were 3,161 admissions with an average length of stay of 3.55 days (PADOH, 2008).

In addition to the above hospitals, Columbia County has five nursing homes with 685 licensed/ approved beds (PADOH, 2008).

2.5.2.9.7 Correctional Institutions

The Commonwealth of Pennsylvania maintains two prison facilities within the ROI, both located in Luzerne County. The State Correctional Institution (SCI) Retreat is located approximately 8 mi (13 km) north of the BBNPP and about 11 mi (18 km) south of Wilkes-Barre, PA. SCI Retreat is a medium-security prison housing adult males and held approximately 889 inmates as of December 2007. The state Department of Corrections listed its capacity as 806 inmates. Also located in Luzerne County is the SCI Dallas facility located about 20 mi (32 km) to the northeast of the BBNPP site. A total of approximately 2,090 adult males were incarcerated there as of December, 2007 compared to a capacity of 1,750 individuals (PA, 2008a).

In addition to the state prisons identified within the ROI, both Luzerne and Columbia Counties maintain county correctional facilities. The Luzerne County Correctional Facility is located in Wilkes-Barre. In 2007, this facility had a capacity for housing 805 inmates and its daily population averaged about 717 inmates. The Columbia County Prison located in Bloomsburg had an average daily inmate population of about 126 and a capacity of about 190 (PA, 2008b) (PA, 2008c).

Other state prisons located in the vicinity of BBNPP, but outside the ROI, include those in Schuylkill and Northumberland Counties. Schuylkill County contains two prisons, each located in Frackville over 22 mi (35 km) to the south of BBNPP. As of year end 2007, approximately 2,290 adult males were held in the SCI Mahoney facility and about 1,106 were held in the SCI Frackville prison. SCI Frackville is a maximum-security prison while SCI Mahoney is a medium security facility. Located southwest of BBNPP in Northumberland County is the medium security SCI Coal Township prison that housed approximately male 1,864 inmates in 2007. Schuylkill and Northumberland Counties also maintained county prisons; average daily inmate populations in these facilities during 2007 were 296 and 185 individuals, respectively (PA, 2008a) (PA, 2008b) (PA, 2008c).

2.5.2.10 Transportation

2.5.2.10.1 Airports

50 mi (80 km) Comparative Geographic Area

There is one major airport in the Luzerne-Columbia County area, Wilkes-Barre/Scranton International Airport. Wilkes-Barre/Scranton International Airport is located in Avoca on the county line between Luzerne and Lackawanna County. The airport offers approximately 60 daily arrivals and departures to nine major hubs with one-stop service to over 450 destinations worldwide. The airport is served by six major airlines. All of the major air cargo companies provide service at the Airport. The Airport opened a new \$41.5 million 130,000 ft² (12,077 m²) terminal in May 2006 (LC, 2008).

Two-County Region of Influence

In addition to the Wilkes-Barre/Scranton International Airport, Luzerne County and Columbia County have several public municipal airports, including Bloomsburg Municipal Airport, Hazleton Municipal Airport, and Wilkes-Barre-Wyoming Valley Airport (PADOT, 2008).

2.5.2.10.2 Public Transportation (Bus)

50 mi (80 km) Comparative Geographic Area

Luzerne County has inter-city and interstate bus service through Martz Trailways. Martz provides direct service from Public Square in Wilkes-Barre (and several other locations in the county) to King of Prussia, Philadelphia, Atlantic City, and New York City. Susquehanna Trailways provides service via Berwick and Hazleton to Philadelphia and New York City. Greyhound provides service from several points in the county to most points in the U.S. Amtrak currently does not provide service to northeastern Pennsylvania; however a major initiative is underway to bring high speed rail service to Scranton and Wilkes-Barre (LC, 2008).

Two-County Region of Influence

Public transit in the Luzerne County Area is based in the cities of Hazleton and Kingston Borough (with the hub located in Wilkes-Barre). The Luzerne County Transportation Authority and the City of Hazleton manage these systems (SSES, 2006), which are fixed route bus services. Fixed bus services are provided on a repetitive, fixed schedule along a specific route with vehicles stopping to pick-up and deliver passengers to specific locations (PADOT, 2008). Hazleton Public Transit, a service of the City of Hazleton's Department of Public Services, operates nine routes in the City of Hazleton and surrounding townships and boroughs on weekdays, with limited service on the weekends. The Luzerne County Transportation Authority (LCTA) serves the city of Wilkes-Barre and surrounding areas Monday through Saturday. LCTA operates 16 routes throughout the county (LC, 2008).

As mentioned above, Luzerne County has inter-city and interstate bus service through Martz Trailways, Susquehanna Trailways, and Greyhound to several destination points (LC, 2008).

Luzerne-Wyoming County Transportation Department and MTR Transportation Company provide Shared-Ride/Demand Response in Luzerne and Columbia Counties, respectively. Shared-Ride/Demand Response service offers the community door-to-door transportation services throughout Pennsylvania and subsidizes the cost of that service for senior citizens. Passengers must make trip requests at least one working day in advance of the trip, and must be willing to share the vehicle with other passengers (PADOT, 2008).

2.5.2.10.3 Roads and Highways

Road access to the BBNPP site is via US Route 11, a two-lane paved road with a northeast-southwest orientation. The BBNPP site lies to the west of US Route 11 and the Susquehanna

River. Approximately 4 mi (6.4 km) north of BBNPP, US Route 11 intersects with State Route (SR) 239, which travels in a northwest-southeast direction. East of this intersection, SR 239 crosses the Susquehanna River. Several miles (kilometers) south of the BBNPP site, US Route 11 intersects with SR 93. East of this intersection, SR 93 crosses the Susquehanna River. East of the intersection of SR 93 and the Susquehanna River, SR 93 intersects SR 339, which has a northeast-southwest orientation. Five to ten miles (8 to 16 km) south of BBNPP, SR 93 and SR 339 intersect with Interstate 80, which has an east-west orientation. Five to ten miles (8 to 16 km) southeast of BBNPP, Interstate 80 intersects with Interstate 81, which has a northeast-southwest orientation.

Employees traveling from the north or northwest of BBNPP would use SR 239 and US Route 11 to reach the station. Employees traveling from the northeast would use US Route 11. Employees traveling from the south or southwest of BBNPP could use varying combinations of the following roads to reach the station: Interstate 80, SR 339, SR 93, and US Route 11. Employees traveling from the east and southeast could use SR 239, Interstates 80 and 81, SR 93, and US Route 11. When nearing BBNPP, all employees must use US Route 11 (SSES, 2006).

A study of traffic on US Route 11 in the vicinity of BBNPP was performed to assess the impacts on the highway's capacity and level of service (LOS) and to identify potential mitigation actions, if needed, that would be associated with the construction and operation of the plant (KLD, 2008). LOS is defined on an ordinal scale from A to F with "A" being the best level of service. The study indicates that existing LOS at key intersections are primarily either at level "A" (free flow) or "B" (reasonably free flow). Following construction, these service levels could be maintained by implementing limited mitigation measures that would only entail optimizing the signal timing plan at the Route 11 and Orange Street (SR 93) intersection in downtown Berwick. Construction related impacts on LOS would be more pronounced, and are discussed in more detail in Section 4.4.1.

The existing Luzerne County highway system provides local access to Scranton, Wilkes-Barre, Hazleton, and regional access to New York City, Philadelphia, and other major northeast cities. Luzerne County is host to a diverse highway network. Interstate 80 runs east-west through the southern half of Luzerne County providing direct access east to New Jersey and New York City, less than 100 mi (160 km) away, and access to Ohio and the western states. Interstate 80 is a four-lane divided highway built to accommodate large volumes of passenger vehicles and motor freight. Oriented north-south are Interstate 81 and Interstate 476 (the Pennsylvania Turnpike Northeast Extension). Interstate 81 runs north through Hazleton and Wilkes-Barre into upstate New York and south to Harrisburg and the Maryland border. The Pennsylvania Turnpike Northeast Extension is a direct route from Interstate 80 north to Wilkes-Barre and Scranton terminating at Interstate 81. The Extension provides access to regional centers to the south, including Allentown and Philadelphia. US Route 11 runs northeast-southwest through Wilkes-Barre, connecting it with Harrisburg and New York State (SSES, 2006).

Traffic volumes are measured in terms of Average Annual Daily Traffic (AADT), which is an average of daily traffic for every day of the year. In Luzerne County, traffic volumes are highest on the interstate highways such as Interstate 81, Interstate 80, and Interstate 476. Heavier traffic volumes are especially concentrated around the cities of Wilkes-Barre and Hazleton. Between 1992 and 2001, traffic has grown on all interstate highways in Luzerne County. Between 1992 and 2001, increases in traffic volumes on Interstate 80 have ranged from 24% to 110%, or from 4,550 to over 15,000 AADT. On some roadway segments, truck traffic has increased at a greater rate than passenger vehicle traffic. Historic traffic volume data have shown that this is the case on sections of Interstate 80 in Luzerne County. In an effort to maintain the ability to accommodate an ever-increasing number of vehicles, state and local

authorities have implemented a number of maintenance and improvement projects to alleviate problems with traffic congestion (SSES, 2006).

Columbia County is well-served by its existing roadways. The two primary east-west corridors are US Route 11 and Interstate 80, which travel through Columbia County's midsection. These primary roadways are intersected by several north-south corridors that provide immediate access to Bloomsburg and Berwick. Interstate 80 is a four-lane divided highway built to accommodate large volumes of passenger vehicles and motor freight. Since the mid-1970s, Columbia County's primary roadway network has experienced a substantial increase in traffic volumes. In an effort to maintain the ability to accommodate an increasing number of vehicles, state and local authorities have implemented a number of maintenance and improvement projects (SSES, 2006).

2.5.2.10.4 Rail

According to PADOT, there are several railroads operating in Luzerne and/or Columbia Counties: Canadian Pacific Railway, Luzerne and Susquehanna Railroad Company, Norfolk Southern Railway Company, Reading Blue Mountain and Northern Railroad, the North Shore Railroad, and Steamtown USA (tourist). There are also several non-operator-owner lines in the county: Luzerne County Redevelopment Authority, National Park Service, and Pennsylvania Northeast Regional Railroad Authority (PADOT, 2008). The North Shore Railroad is located along US Route 11 and goes from the Norfolk Southern Railroad line in Northumberland, through Bloomsburg and Berwick, to Beach Haven (NSRR, 2008).

Norfolk Southern and the Canadian Pacific provide freight carrier rail services for many of the county's major manufacturing and distributing companies. The Reading and Northern provides several communities in the county with feeder service to larger carriers as well as the railroad operated by Luzerne County Rail Authority (LC, 2008).

2.5.2.10.5 Freight Carriers

There are 40 motor freight common carriers that serve Luzerne County (WBH, 2008).

2.5.2.10.6 Deep Water Ports

There are no deep water ports in Luzerne County or Columbia County.

2.5.2.11 References

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2.5.3 HISTORICAL PROPERTIES

2.5.3.1 Overview

Detailed archeological and historical surveys of the BBNPP site and associated onsite transmission corridors supporting BBNPP have been conducted. The cultural resources investigation consisted of Phase Ia and Ib surveys that were conducted of the proposed project area between June 2007 and November 2008. The Phase Ia survey was conducted to identify previously recorded or surface-visible archeological resources and architectural resources, and to identify those areas with archeological potential that would require a Phase Ib survey. The Phase Ib survey was conducted to identify subsurface archeological resources, record all known archeological and architectural resources in the proposed project area, and to evaluate the recorded resources for eligibility to the National Register of Historic Places.

There are two Areas of Potential Effect (APE) for cultural resources that could potentially be affected by the proposed project. The Phase Ia archeological investigations were conducted in two stages and comprised of approximately 1,272 ac (515 ha) of proposed project development alternatives east and west of the North Branch of the Susquehanna River. Subsequent to completion of the June 2007 Phase Ia study, the west alternative was selected as the preferred alternative and the project APE was modified to exclude all project localities east of the North Branch of the Susquehanna River. The APE for physical disturbance is approximately 630 ac (255 ha) of the initial survey plus approximately 263 ac (106 ha) from the supplemental survey west of the Susquehanna River and was based on the location and extent of areas required for all project-related construction activities. The APE for visual effects to architectural resources includes the approximately 919 ac (372 ha) proposed project footprint west of the Susquehanna River and extends approximately 0.5 mi (0.8 km) beyond the project boundary.

2.5.3.2 Survey Methodologies

The Phase Ia and Ib survey methodologies were developed and conducted in accordance with Federal and State laws, regulations, and guidelines, including: Section 106 of the National Historic Preservation Act (USC, 2007), guidelines developed by the Advisory Council on Historic Preservation, the amended Procedures for the Protection of Historic and Cultural Properties as set forth in 36 CFR 800 (CFR, 2007a), the Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation (NPS, 1983), National Register Bulletin 15 - How to Apply the National Register Criteria for Evaluation (NPS, 1992a), National Register Bulletin 21 - Defining Boundaries for National Register Properties (NPS, 1992b), and guidelines of the Pennsylvania Historical and Museum Commission/Bureau for Historic Preservation (PHMC/BHP, 2001), State Historic Preservation Office (SHPO).

2.5.3.3 Qualification of Surveyors

The Phase Ia cultural resource investigation included background research, geomorphologic and archeological reconnaissance, and an architectural survey. Phase Ib studies consisted of archeological fieldwork (subsurface investigations or pedestrian surface survey) in portions of the project area with a moderate to high potential for archeological resources. In addition, further architectural and historic investigations were conducted to define and/or conclusively recommend the NRHP eligibility status of architectural resources. The surveyors meet and exceed the professional qualifications as stipulated in 36 CFR Part 61 (CFR, 2007b).

2.5.3.4 Phase Ia Investigation

Phase Ia cultural resources investigations included a preliminary background research, a geomorphological and archeological reconnaissance, and an architectural survey (GAI, 2007) (GAI, 2008). These studies were conducted in June 2007 and January 2008 and encompassed approximately 1,272 ac (515 ha):

- ◆ 408 ac (165 ha) was within two alternative sites west of the North Branch of the Susquehanna River and is referred to as 1A and 1B (1C represented the two areas combined);
- ◆ a southeast alternative consisting of approximately 353 ac (143 ha) east of the Susquehanna River and,
- ◆ a 511 ac (207 ha) area (Areas 6, 7, 8 and Confers Lane Parcel) located between the existing Susquehanna Steam Electric Station (SSES) Units 1 and 2 plant site and the west bank of the Susquehanna River (Figure 2.5-4).

For Phase Ia archeological resources the project APE consisted of the 1,272 ac (515 ha) proposed project footprint, representing the potential location and extent of areas required for project-related construction activities (Figure 2.5-4). The APE for architectural resources included the approximately 919 ac (372 ha) proposed project footprint west of the Susquehanna River, in addition to the surrounding viewshed, extending approximately 0.5 mi (0.8 km) beyond the project footprint, as illustrated in Figure 2.5-4.

Background research was conducted to identify previously-recorded cultural resources located within the proposed project area and its vicinity in order to: 1) assess the project area's potential for unrecorded archeological resources; and, 2) provide a context for evaluating resources identified within the project APE. Examination of Pennsylvania Archeological Site Survey (PASS) files, historic structure files, National Register of Historic Places listings, and cultural resource reports was conducted at the PHMC/BHP in Harrisburg, PA. Historic maps of the project vicinity were also examined.

Phase Ia background research identified 24 previously-recorded archeological sites within 1.0 mi (1.6 km) of the project area and five architectural resources within a 0.5 mi (0.8 km) radius of the project. The archeological sites include 13 locations west of the river and 11 locations mapped to the east. Of the 24 previously-recorded sites, six sites (all prehistoric) are located within the Phase Ia study area and are situated on the low terrace/floodplain west of the river. These sites represent Late Archaic through Late Woodland prehistoric occupations. Four of these sites are NRHP eligible, one is ineligible and the eligibility of one site is undetermined (Table 2.5-33 and Figure 2.5-6).

The five previously-recorded architectural resources identified within the project viewshed (an approximately 0.5 mi (0.8 km) radius of the project footprint) include the NRHP-eligible North Branch Pennsylvania Canal; the Union Reformed & Lutheran Church (Old River Church-NRHP eligibility undetermined); and three bridges (not eligible for NRHP listing) (Table 2.5-34). The North Branch Pennsylvania Canal extends through the project area on the floodplain/low terrace west of the river while the Union Reformed & Lutheran Church is situated in the footprint of the project's Southeast Alternative, east of the river (an area subsequently excluded from the proposed project).

The architectural and historical survey recorded 52 resources within the proposed project viewshed. Ten of these surveyed resources are recommended eligible for NRHP listing (Table 2.5-35). One of the ten eligible resources is a potential historic district (Wapwallopen

Historic District) composed of ten individually-identified resources. The Pennsylvania SHPO (PHMC/BHP) has requested Pennsylvania Historic Resource Survey (PHRS) forms for these ten NRHP-eligible resources, as well as for 12 additional resources recommended ineligible for NRHP listing (PHMC/BHP, 2008b). The remaining 21 resources require no further study (Table 2.5-35).

Five of the original 52 surveyed architectural resources are located within the Phase Ia project study area west of the river, including: three resources that are recommended NRHP-eligible, i.e., portions of the previously-recorded NRHP-eligible North Branch Pennsylvania Canal (GAI-10), the Canadian Pacific/ Bloomsburg Division of the Delaware, Lackawanna & Western Railway (GAI-11), and the Susquehanna and Tioga Turnpike (GAI-12) (Table 2.5-36 and Figure 2.5-7).

Geomorphological and archeological reconnaissance of the project area was performed to identify surface-visible cultural resources, evaluate surface disturbances and landform age, assess the potential for deeply buried archeological sites, and refine preliminary estimates of archeological sensitivity derived from background research. The field reconnaissance included a walk-over of the project area and judgmental auger probing to evaluate soil profiles. A cursory inspection of the possible intake structure locations along the river bank was also performed.

The results of Phase Ia investigations indicated that undisturbed, relatively level, well-drained portions of the project area have a high to moderate archeological potential, requiring a subsequent Phase Ib archeological survey to identify archeological sites. Portions of the project characterized by wetlands or slopes in excess of 15% were considered to have a low archeological potential and would not require systematic testing during subsequent Phase Ib investigations. Disturbed localities were determined to have no archeological potential and were excluded from further investigation. Phase Ia reconnaissance of the 1,272 ac (515 ha) project APE identified 562 ac (228 ha) (44.2%) of high to moderate archeological potential, 446 ac (181 ha) (35.1%) of low archeological potential and 264 ac (107 ha) (20.7%) that had been physically disturbed (Table 2.5-32).

2.5.3.5 Phase Ib Investigation

A Phase Ib cultural resources investigation of the 630 ac (255 ha) BBNPP project area (Figure 2.5-5) was performed between May 2008 and July 2008. Systematic Phase Ib archeological fieldwork was conducted on approximately 350 ac (142 ha) of the project area identified during the Phase Ia investigation as having moderate to high potential for containing archeological resources (Figure 2.5-8). Testing localities included uplands (311 ac (126 ha)) and low terrace/floodplain settings (39 ac (16 ha)). The remaining 260 ac (106 ha) of the project area were excluded from Phase Ib survey due to prior disturbances (115 ac (47 ha)) or to low archeological potential (slopes in excess of 15%, wetlands or recent deposits-165 ac (67 ha)).

In upland portions of the project area with a moderate to high archeological potential, the Phase Ib survey consisted of a pedestrian ground survey or systematic shovel testing to identify near-surface archeological sites. The pedestrian ground survey was conducted in approximately 96 ac (39 ha) of previously cultivated fields that had been recently plowed and disked to provide good ground surface visibility. Archaeologists systematically walked these areas along transects spaced at 16 ft (5 m) intervals. Diagnostic artifacts and a representative sample of non-diagnostic artifacts observed on the surface were plotted on project maps, bagged, and provenienced according to appropriate surface collection unit. Judgmental shovel test pits were excavated in select localities within these fields to document soil stratigraphy and assess the presence of sub-plowzone cultural deposits.

Shovel testing was required in approximately 215 ac (87 ha) of upland fields and woodlands with poor ground surface visibility. Systematic shovel test pits (STPs) were excavated at 50 ft (15 m) intervals within transects spaced 50 ft (15 m) apart. Additional STPs were excavated in select areas to confirm the presence of cultural artifacts, disturbed soils or recent deposits. A total of 3,482 STPs were excavated in these upland settings. Excavated soils were screened through 0.25 in (0.6 cm) wire mesh for systematic artifact recovery.

Moderate to high potential portions of the project APE in low terrace/floodplain settings may contain both near-surface and deeply-buried archeological sites. Phone consultation with the Pennsylvania SHPO (PHMC/BHP) resulted in concurrence on restricting deep testing to assess the potential for deeply-buried archeological resources to those localities with proposed deep project impacts (i.e., Area 6 floodplain). Deep testing was not required in portions of the low terrace/floodplain with shallow proposed project impacts (i.e., Area 7 lay down area).

Low terrace/floodplain settings with proposed shallow project impacts were investigated by pedestrian survey or systematic shovel testing. Approximately 18 ac (7 ha) of recently plowed and disked low terrace/floodplain fields with good ground surface visibility were subject to pedestrian ground survey; judgmental STPs were excavated in select locations within these fields. Systematic shovel testing was conducted in approximately 13 ac (5 ha) of poor ground surface visibility in the shallow-impact, low terrace/floodplain settings. A total of 295 STPs were excavated in low terrace/floodplain portions of the project.

Deep testing (mechanical trenching, soil borings and 3x3 ft (1x1 m) test unit column samples) was conducted in one approximately 8 ac (3.2 ha) field (Area 6) with proposed deep project impacts. Eleven trenches (six with soil borings in their base) were mechanically excavated to expose soil stratigraphy and to permit an assessment of the locality's potential for deeply-buried cultural deposits. The first five trenches extended to a maximum depth of approximately 13 ft (4.0 m) or, in one trench, to bedrock (encountered at 3.9 ft (1.2 m) below surface). These trenches exposed an unanticipated 3.3 to 13.1 ft (1.0 to 4.0 m) thick surface fill deposit above natural soils. Because of the depth necessary to expose natural soils and evaluate the depth of Pleistocene deposits, a second set of six trenches was excavated to approximately 13 ft (4 m) and a drill rig was used to obtain a soil boring in the base of each trench. As documented in the soil borings, the natural soils underlying the surface fill deposit consisted of a single soil profile, Ab-(BE)-Bt(x)-BC, which had developed on an alluvial terrace (GW, 1982). No buried soils were observed below the surface of the terrace. Pleistocene deposits were not found in any of the cores. The depth to bedrock, encountered at the base of the soil borings, ranged from 19.4 ft (5.9 m) to 27.9 ft (8.5 m). Based on the results of phone consultation with the Pennsylvania SHPO (PHMC/BHP), natural soils below the surface fill were sampled with eight mechanically-excavated 1x1 m test unit column samples situated along a proposed 100 ft (30 m) wide right-of-way corridor across the field. Each unit was positioned along side of a mechanically-excavated trench. Within each test location, the surface fill deposit was mechanically removed as a single layer and the 3x3 ft (1x1 m) column sample was then mechanically-excavated in 8 in (20 cm) levels from the lower portion of the fill deposit to the BC horizon (GW, 1982) or bedrock (approximately 3 ft (1.0 m) of excavation). Soils from each level were hand-screened and recovered artifacts were bagged by provenience.

Prehistoric and historic artifacts recovered during the Phase Ib survey were bagged and labeled with appropriate provenience information. Testing locations were recorded on project maps and subsurface tests were backfilled upon completion. Identified archeological resources were recorded on standardized forms, plotted on maps, documented with photographs, and their locations were recorded using mapping grade Global Positioning System (GPS) equipment.

Based on preliminary field results, Phase 1b survey of the project area (defined as a 630 ac (255 ha) area west of the Susquehanna River) consisted of pedestrian ground survey of 114 ac (46 ha) and excavation of 3,777 STPs, eleven trenches and eight 3x3 ft (1x1 m) test units (column samples). The Phase 1b survey yielded 2,047 artifacts (1,970 historic artifacts and 79 prehistoric artifacts) and resulted in the identification of eleven archeological sites (three prehistoric and eight historic) and 26 prehistoric isolated finds, as well as dispersed historic/modern surface artifacts representing field scatters. Figure 2.5-8 illustrates the location of identified archeological sites. Table 2.5-37 summarizes the eleven sites. Table 2.5-38 summarizes the 26 isolated finds and both tables provide recommendations on potential NRHP eligibility for these resources.

Preliminary review of Phase 1b field data indicates that seven of the eleven identified sites are potentially eligible for listing in the NRHP. These include six historic sites (Sites 2, 3, 4, 7, 9 and 10) and one prehistoric site (Site 5). All six potentially-eligible historic sites are located in upland settings within the West Alternative. The single potentially-eligible prehistoric site occupies a low terrace/floodplain setting in Area 7.

Additional Phase 1b cultural resource investigations were proposed for a 235 ac (95 ha) upland project area, located adjacent to Area 6 and the Western Alternative. Of these 235 ac (95 ha), 197 ac (80 ha) are considered to have moderate to high archeological potential, 30 ac (12 ha) have low archeological potential (slopes in excess of 15%) and 8 ac (3 ha) are characterized by disturbance/no archeological potential. Of the 197 ac (80 ha), approximately 124 ac (50 ha) are in corn fields and 73 ac (29 ha) are typified by grass fields and woodlands.

Supplemental Phase 1b fieldwork, performed between August 5 and November 13, 2008, investigated approximately 115 acres (46.5 hectares) of moderate to high archaeological potential within the 262.6-acre (106.3-hectare) project area. Phase 1b fieldwork consisted of the excavation of 1,937 shovel test pits.

The Supplemental Phase 1b survey identified no archaeological sites or isolated finds within the project area. Shovel testing produced just four historic artifacts, all representing field or roadway scatters. Based on these preliminary results, it is recommended that no further archaeological investigations of the supplemental BBNPP project are performed.

The Supplemental Phase 1b project area includes seven architectural and historical resources identified during previous architectural survey, two of which have been recommended as eligible for listing in the NRHP (Munford and Tuk, 2008)

As with any new project area, these supplemental investigations may identify resources in this location and assess their potential National Register eligibility. Upon completion of any Phase II investigations (if necessary) and assessment of effects, in consultation with the SHPO, BBNPP will identify measures to avoid, minimize, or mitigate any adverse effects, per Section 106 of the National Historic Preservation Act (USC, 2007).

SHPO consultation on the Phase 1b study is pending. This consultation could result in changes to recommendations regarding the National Register of Historic Places eligibility of onsite resources.

Based on Phase 1b assessments conducted to date, in conjunction with review of applicable state and federal guidelines, adverse impacts may occur to historic resources from proposed construction. Measures will be developed to limit impacts to historic resources during construction activities.

2.5.3.6 Consultation

The Pennsylvania Historical and Museum Commission/Bureau for Historic Preservation (PHMC/BHP) (SHPO) had been consulted throughout completion of the Phase Ia and Ib investigations to ensure compliance with requirements. Initial consultation was initiated in a February 15, 2008, letter to the Pennsylvania SHPO requesting cultural resource information (UniStar, 2008a). A project review letter was received from the Pennsylvania SHPO on April 8, 2008 (PHMC/BHP, 2008a). The results of the Phase Ia studies were documented in June 2007 and February 2008 reports. On April 15, 2008 (UniStar, 2008b), these reports were submitted to the Pennsylvania SHPO for review and consultation under Section 106 of the National Historic Preservation Act. Comments on the Phase Ia reports were received from the Pennsylvania SHPO in a letter dated June 5, 2008 (PHMC/BHP, 2008b). The Pennsylvania SHPO had been consulted by phone conferencing during the course of Phase Ib fieldwork. Consultation with the SHPO on the results of Phase Ib studies is pending.

Consultation with potentially interested Native American tribes is ongoing. Consultation was initiated in a June 10, 2008 letter to the following eight groups: Absentee-Shawnee Tribe of Oklahoma; Delaware Nation, Oklahoma; Eastern Shawnee Tribe of Oklahoma; Oneida Indian Nation; Oneida Nation of Wisconsin; Shawnee Tribe (of Oklahoma); St. Regis Mohawk Tribe; and Tuscarora Nation (UniStar, 2008c). One response has been received to date--a June 19, 2008, review letter from the Oneida Indian Nation indicating that they have no culturally significant resources within the project area (Oneida Indian Nation, 2008).

In addition, consultation with potentially interested Native American tribes is pending. Information from the tribal consultation could influence the National Register of Historic Places status of any of the recorded resources. As project design and layout are finalized, any additions to the APE would be surveyed and evaluated for potential impacts to historic properties in consultation with the Pennsylvania SHPO, prior to activities taking place in the additional APE.

2.5.3.7 Site National Register Eligibility

Table 2.5-39 and Table 2.5-40 list the potentially eligible archeological sites and eligible architectural resources located within the project APEs. These tables are based on the results of architectural survey and Phase Ib archeological investigations. To date, evaluations of NRHP-eligibility for archeological sites have not been reviewed by the Pennsylvania SHPO (PHMC/BHP). Following SHPO concurrence on NRHP recommendations, Phase II archeological investigations will be conducted for potentially-eligible archeological sites that cannot be avoided by project construction in order to determine their eligibility for listing on the NRHP. Consultation with the Pennsylvania SHPO will continue throughout Phase II studies.

2.5.3.8 Offsite National Register Eligibility

Research was conducted to identify previously recorded cultural resources located within 10 mi (16 km) of the proposed project site that are listed in the National Register of Historic Places; that have been determined eligible or determined potentially eligible for listing on the National Register of Historic Places; that have not been evaluated for National Register of Historic Places listing; and/or that are listed in the Luzerne County or Columbia County registers or inventories. Research was conducted at the Pennsylvania Historical and Museum Commission/Bureau for Historic Preservation (PHMC/BHP) in Harrisburg, and through the PHMC/BHP's on-line CRGIS data base (PHMC/BHP, 2001).

Table 2.5-43 through Table 2.5-48 identify the previously recorded cultural resources within a 10 mi (16 km) radius of the proposed project APE. This number includes historic districts,

buildings, sites, bridges, and other structures. Resource types range from historic districts with numerous contributing resources to archeological sites and individual architectural features. The resources are located in the Pennsylvania counties of Luzerne, Columbia, and Schuylkill.

Of the 723 previously-recorded cultural resources, seven were listed on the NRHP and 51 were eligible for listing on the NRHP. Most of the remaining resources were ineligible (126) or undetermined (494). As detailed in Table 2.5-43 through Table 2.5-48, an additional 45 resources were identified as unmapped.

As summarized in Table 2.5-42 the NRHP lists a total of 32 cultural resources within Luzerne County and 30 cultural resources within Columbia County (NPS, 2008). Collectively these historic resources encompass town and county buildings, churches, colonial homes, bridges (including several covered bridges), and districts.

In addition to these previously-recorded resources, the Phase 1a and 1b architectural surveys identified 52 architectural and historic resources within the project viewshed (Table 2.5-35). Ten of these resources are recommended as eligible for listing on the NRHP. SHPO concurrence on these eligibility evaluations is pending. Following SHPO concurrence, an assessment of effects to NRHP-eligible architectural and historical resources will be conducted.

2.5.3.9 References

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CFR, 2007b. Title 36, Code of Federal Regulations, Part 61, Procedures for Approved State and local Government Historic Preservation Programs, 2007.

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PHMC/BHP, 2001. Pennsylvania Historical and Museum Commission-Bureau for Historic Preservation, Cultural Resource Management in Pennsylvania: Guidelines for Archeological Investigations, Harrisburg, Pennsylvania, July 1991.

PHMC/BHP, 2008a. Letter from Doug McLearn (PHMC/BHP) to George Wrobel (UniStar), Construction of additional Nuclear Power Generation Unit adjacent to the Susquehanna Steam Electric Station Site, April 8, 2008.

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UniStar, 2008a. Letter from George Wrobel (UniStar) to Doug McLearn (PHMC/BHP), Request for Cultural Resource Information, February 15, 2008.

UniStar, 2008b. Letter from John Price (UniStar) to Doug McLearn (PHMC/BHP), Phase Ia Cultural Resources Reconnaissance, April 15, 2008.

UniStar, 2008c. Letter from George Wrobel (UniStar) to eight Native American Tribal Entities, Tribal Consultation on Proposed Undertaking, Bell Bend Nuclear power Plant, Luzerne County, Pennsylvania, June 10, 2008.

USC, 2007. Title 16, United States Code, Part 470, National Historic Preservation Act of 1966, as amended, 2007.

2.5.4 ENVIRONMENTAL JUSTICE

Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations (EO, 1994), directs Federal agencies to identify and address, as appropriate, disproportionately high and adverse health or environmental effects of their programs, policies, and activities on minority populations and low-income populations. Environmental justice is defined as the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies (EPA, 2007). The Council on Environmental Quality (CEQ) has provided guidance for addressing environmental justice (CEQ, 1997). NUREG-1555, Section 2.5.4 (NRC, 1999), the Nuclear Regulatory Commission (NRC) Policy Statement on the treatment of environmental justice in licensing matters (FR, 2004), and the NRC Office Instruction LIC-203, Revision 1, regarding procedural guidance for preparing environmental assessments (NRC, 2004) were used to develop the following analysis. Project impacts are discussed in Chapter 4 and Chapter 5 for any minority or low-income populations identified in this section.

Similar to Section 2.5.1 and Section 2.5.2, this section describes the minority and low income populations residing within a 50 mi (80 km) comparative geographic area and the two-county region of influence (ROI) that includes Luzerne County and Columbia County. The 50 mi (80 km) comparative geographic area was selected based upon the guidance provided by NUREG-1555 (NRC, 1999) and was established by using the Bell Bend Nuclear Power Plant (BBNPP) site as the center point and drawing a 50 mi (80 km) radius circle around the BBNPP site. This area only includes portions of the Commonwealth of Pennsylvania.

The region of influence (ROI) includes Luzerne County and Columbia County in northeastern Pennsylvania. Potential socioeconomic impacts, if any, arising from the proposed plant are likely to be confined to these two counties because a majority of the existing workforce for Susquehanna Steam Electric Station (SSES) Units 1 and 2 reside in these counties and it is assumed that the potential in-migrating construction and operational workforces for BBNPP are most likely to reside in this same two-county ROI. More than 87% of the current workforce at SSES Units 1 and 2 resides in Luzerne County or Columbia County. Of the 1,247 employees at SSES Units 1 and 2 in June 2007, approximately 528 (42.3%) of the workers had a home address in Luzerne County and approximately 559 (44.8%) of these workers had a home address in Columbia County.

2.5.4.1 Methodology to Identify and Locate Minority and Low Income Populations

Using ArcView® GIS software, U.S. Census Bureau's 2000 census data (USCB, 2000a; USCB, 2000b), all census block groups within a 50 mi (80 km) radius were identified. A census block group was included in the 50 mi comparative geographic area if its boundaries were fully contained in the area, or if any part of the census block group was contained in the area. The ArcView® GIS software and U.S. Census Bureau's 2000 census data were then used to determine the minority and low-income characteristics, by census block group, within 50 mi (80 km) of the BBNPP site and within each county.

As shown in Table 2.5-49, the 50 mi (80 km) radius contains a total of 1,483 census block groups. Within the 50 mi (80 km) radius, there are 22 Pennsylvania counties within the region of interest.

Within the ROI, there are a total of 369 census block groups. Luzerne County has a total of 314 census block groups and Columbia County has 55 census block groups.

2.5.4.1.1 Minority Populations

A "minority" racial population is defined as: American Indian or Alaskan Native; Asian, Native Hawaiian, or other Pacific Islander; Black (African-American) races; and multi-racial, or "some other race" (NRC, 2004). The racial population is expressed in terms of the number and/or percentage of people that are minorities in an area. The sum of these racial minority populations is referred to, within this section, as the aggregate racial minority population. Persons of Hispanic/Latino origin are the ethnic minority, may be of any race including the identified racial populations, and thus are identified as a separate subcategory.

The NRC guidance indicates that a minority population exists if either of the following two criteria is met:

1. The minority population of the census block group or environmental impact area (in this case the 50 mi (80 km) comparative geographic area) exceeds 50%; or
2. The minority population percentage of the environmental impact area is significantly greater (typically at least 20 percentage points) than the minority population percentage in the geographic area chosen for comparative analysis (in this case the 50-mile comparative geographic area).

For each of the 1,483 census block groups within the 50 mi (80 km) radius, the percent of the census block group's population represented by each minority classification (each race, aggregate minority population, and Hispanic/Latino origin) was calculated and compared to the two criteria listed above. If any census block group minority percentage exceeded 50%, then the block group was identified as containing a minority population. If any census block group percentage exceeded the applicable percentage in the 50 mi (80 km) geographical area by more than 20 percentage points, then the census block group was identified as containing a minority population.

Table 2.5-49 and Figure 2.5-9 though Figure 2.5-13 identify the various minority block groups. Within the 50 mi (80 km) comparative geographic area there are a total of 126 census block groups that are classified as having minority populations.

There are no Native American tribal lands within 50 mi (80 km) of SSEES (NRC, 2008). PPL Susquehanna's community outreach has identified small yet growing Hispanic populations in the Hazleton, Bethlehem, and Berwick areas. Consultation about the Phase I cultural resource surveys is pending with Native American tribes. Additional consultation will be conducted with the SHPO during Phase II investigations.

Luzerne County and Columbia County host relatively small numbers of migrant workers. According to the 2002 Census of Agriculture estimates (USDA, 2002), there were 5 farms with hired migrant farm workers in Luzerne County, and there were 8 farms in Columbia County. Another potential indicator of migrant or transient workers is the number of workers that were employed for less than 150 days on area farms. In 2002, 409 workers were employed less than 150 days on 59 farms in Luzerne County and 1,408 were employed on 196 farms in Columbia County.

Within the ROI, there are two state prisons and two county prisons. Both state institutions are located within Luzerne County. The State Correctional Institution (SCI) Retreat was found to be the facility nearest the BBNPP site, approximately 8 mi (13 km) to the north. Of the 889 inmates housed there in 2007, approximately 40.0% were white, 47.1% black and 12.3% Hispanic. The SCI Dallas prison also located in Luzerne County is about 20 mi (32 km) to the northwest of the BBNPP site. Its inmate population in 2007 was approximately 2,090 individuals. Of these, 32.2%

were white, 55.6% were black and 11.6% were Hispanic. The Department of Corrections state-wide average distribution of inmates by ethnic group as of year end 2007 was 38.2% white, 50.0% black and 11.1% Hispanic (PA, 2008a). Among these facilities, the SCI Dallas Prison had slightly more black inmates than either the SCI Retreat or the PA State average. The SCI retreat contained slightly fewer black inmates than the state average. Based on these statistics, there does not appear to be a disproportionate distribution among minority classes in state prisons nearest the BBNPP site compared to similar populations found across the State.

2.5.4.1.2 Low Income Populations

One of the common means of tracking income levels is by total income for a household, rather than by the total number of people in an area (as was done for minority populations, above). The Census Bureau's definition of a low income household is based on governmental statistical poverty thresholds. For the purposes of conducting this analysis, a block group is considered to be low income if either of the following two criteria are met:

1. The number of low income households in the census block group or the environmental impact site (in this case the 50 mi (80 km) geographic area) exceeds 50%; or
2. The percentage of households below the poverty level in an environmental impact area is significantly greater (typically at least 20 percentage points) than the low income population percentage in the geographic area chosen for comparative analysis (in this case, the 50 mi (80 km) comparative geographic area).

As determined by the 2000 Census survey (USCB, 2000b), low income households in each census block group were divided by the total households for that census block group to obtain the percentage of low income households per block group. If any census block group low income percentage exceeded 50%, then the block group was identified as containing a low income population. If any census block group percentage exceeded the applicable percentage in the geographical area by more than 20 percentage points, then the census block group was identified as containing a low income population.

Table 2.5-49 and 2.5-50 present low income census block group information, and Figure 2.5-14 shows the locations of the low income block groups. Within the 50 mi (80 km) comparative geographic area there are a total of 53 census block groups that are classified as having low income populations. There are 13 census blocks located in Luzerne County, 13 located in Lehigh County, 9 located in Lycoming County, and the remainder located throughout 6 counties.

2.5.4.2 Analysis

2.5.4.2.1 Minority Populations

50 mi (80 km) Comparative Geographic Area

Table 2.5-50 summarizes minority populations by the portion of Pennsylvania within the 50 mi (80 km) radius of the site. There are 19 census block groups within the 50 mi (80 km) radius that have an African-American race population that meets at least one of the two criteria defined as a minority population; 1 of the census block groups is defined as Asian; 19 census block groups as "Some Other Race;" and 16 census block groups as Hispanic.

No census blocks within the 50 mi (80 km) radius had American Indian or Alaskan Native; Asian; Native Hawaiian or other Pacific Islander; or multi-racial minority populations that exceeded the State average by at least the "20 percentage points" criterion.

As shown in Figure 2.5-9, 19 census block groups within the 50 mi (80 km) radius have African-American minority populations that exceed the State average by 20% or more. Of these 19 census blocks, 8 are located in Lycoming County; 4 are located in Luzerne County; 2 are located in each of Schuylkill and Union counties; and 1 is located in each of Lehigh, Monroe, and Northumberland counties. All 19 of these census blocks meet the 20% criterion; none meet the 50% criterion.

There is 1 census block group that meets the criteria of being an Asian minority; this census block is in Lehigh County and meets the 20% criterion. Figure 2.5-10 presents this information and shows the locations of Asian minority populations.

There are 19 census block groups of persons that are "Some Other Race" that meet the criteria; all of those census block groups are in Lehigh County and meet the 20% criterion.

Figure 2.5-11 presents this information and shows the locations of Other Minority Populations.

The aggregate (i.e., total) of 87 census block groups within the 50 mi (80 km) radius are defined as aggregate racial minority populations. The aggregate racial minority populations are shown on Figure 2.5-12. Of these 87 census blocks, 54 are located in Lehigh County; 8 are located in Lycoming County; 6 each are located in Lackawanna and Monroe counties; 5 are located in Luzerne County; 2 each are located in Northumberland, Schuylkill, and Union counties; and 1 each are located in Berks and Wayne counties. Eight census block groups in Lehigh County, two in Luzerne County, and one in Lycoming County meet the 50% criterion. All of the other 76 census block groups meet the 20% criterion.

There are 16 census block groups that have a population of persons of Hispanic origin. Hispanic populations within 50 mi (80 km) of the BBNPP site are primarily in Lehigh County. Figure 2.5-13 locates the census block groups with significant Hispanic populations. All of these census block groups meet the 20% criterion; none meet the 50% criterion.

Two-County Region of Influence

As shown in Table 2.5-51, overall the 2006 census data shows that only 5.2% of the population in Luzerne County was minorities, more than found in Columbia County (3.0%) but significantly less than the 16.2% of the Commonwealth of Pennsylvania population that was comprised of minorities. African-Americans made up the greatest proportion of these minority populations, comprising 2.4% of the total population in Luzerne County. In comparison, African-Americans comprised 10.4% of the total Commonwealth of Pennsylvania population and Asians comprised 2.3% of the total state population.

As described above, of the 314 total census block groups in Luzerne County, 4 are defined as being African-American and 5 have aggregate racial minority populations. As shown in Figure 2.5-9, these African-American census block groups are located in the Wilkes-Barre and Nanticoke areas. All of the African-American census block groups and three of the aggregate racial minority populations meet the 20% criterion. The remaining two aggregate (i.e., total) minority population census block groups meet the 50% criterion.

None of the 55 census block groups in Columbia County is defined as meeting the definition of having a racial minority or Hispanic/Latino ethnic minority population, or having an aggregate (i.e., total) minority population.

2.5.4.2.2 Low Income Populations

50 mi (80 km) Comparative Geographic Area

As shown in Table 2.5-51, there are very few concentrations of low income populations within 50 mi (80 km) of the site. Figure 2.5-14 shows the locations of low income census block groups within a 50 mi (80 km) radius of the BBNPP site. There are 53 census block groups that exceed the 50 mi (80 km) radius' average number of low income households by 20 percentage points or more. Of those 53 census block groups, 13 are located in each of Lehigh and Luzerne counties, 9 are located in Lycoming County, 6 are located in Lackawanna County, 5 are in Northumberland County, 3 are in Columbia County, 2 are in Schuylkill County, and 1 is located in Berks and Union counties. Of the total census block groups, 8 meet the 50% criterion and 45 meet the 20% criterion.

Two-County Region of Influence

As shown in Table 2.5-53 (USCB, 2000g) (USCB, 2000h) (USCB, 2000i) (USCB, 2000j) (USCB, 2006d) (USCB, 2006e) (USCB, 2006f) (USCB, 2008a) (USCB, 2008b) (USCB, 2008c) (USCB, 2008d) (USCB, 2008e) (USCB, 2008f) (USCB, 2008g), overall the 2006 census data shows that 13.1% of individuals in Luzerne County lived below the U.S. Census Bureau's poverty level which is higher than the 12.1% of individuals in the Commonwealth of Pennsylvania and Columbia County (10.7%). There are 13 low-income census block groups in Luzerne County, out of a total of 314 census block groups located there. As shown in Figure 2.5-14, these low-income census block groups are located in the Wilkes-Barre, Nanticoke, Pittston, and Hazleton areas. Of these, 12 census block groups meet the 20% criterion and 1 meets the 50% criterion.

There is only 3 low-income census block group in Columbia County, out of a total of 55 census block groups located there. As shown in Figure 2.5-14, these low-income census block groups are located in the west Berwick and Bloomsburg areas. Of these, 1 census block group meets the 20% criterion and 2 meet the 50% criterion.

2.5.4.3 Subsistence Uses

Subsistence is the use of natural resources as food for consumption and for ceremonial and traditional cultural purposes. Often these types of activities are discussed for minority populations, but sometimes also for low income populations. Subsistence information is often difficult to collect, partially because it is relatively site specific and because it is difficult to differentiate between subsistence uses and recreational uses of natural resources. Often, a number of different informational sources have to be relied upon that collect data via different methods, for different classifications of groups, and for differing types of uses. Thus, it is not possible to present this information for the 50 mi (80 km) and ROI study areas that have been used in previous sections. Common major classifications of subsistence uses include gathering plants for consumption, for medicinal purposes, and use in ceremonial activities; fishing; and hunting. These activities are in addition to or replace portions of the foods that might be bought from businesses, and thus can represent reduced costs of living. They also often represent an important part of the cultural identity or lifestyle of the participants. This section presents the subsistence/recreational information that is available from a variety of sources obtained through an internet search.

None of the BBNPP site is currently developed. For safety and security reasons the general public is not allowed uncontrolled access to the BBNPP site. Thus, no ceremonial or subsistence gathering of culturally significant plants, berries, or other vegetation occurs on the site.

2.5.4.3.1 Plant Gathering

Although no information could be found, it is assumed that collection of plants for ceremonial and food purposes (i.e., culturally significant plants, berries, or other vegetation) could be occurring in the two-county region of influence. Again, minority and low-income populations might be conducting these collection activities at a greater frequency, or could be harvesting greater quantities of plants, than the general population.

2.5.4.3.2 Hunting

As stated in Section 2.4.1.2.1 and Section 4.3.1.2, white-tail deer, turkey, and waterfowl populations are abundant throughout Pennsylvania and on or near the BBNPP site.

Prior to 2004, the Pennsylvania Game Commission (PGC) recorded deer harvests by county. However, since then, wildlife management units (WMUs) have been established and deer harvest levels are now tracked by those WMUs. Thus, deer harvest levels cannot be compared between these time periods. Luzerne County is now included, along with other counties, almost equally in WMUs 3B, 3D, 4C, and 4E. Columbia County is now included, along with other counties, in WMUs 4C and 4E. As shown in Table 2.5-54 (PGC, 2005) (PGC, 2006) (PGC, 2008), deer harvest levels have generally been decreasing from 2004 through the 2007-08 period, from about 66,700 to 52,300. As shown in Table 2.5-55 (PGC, 2003a) (PGC, 2003b) (PGC, 2003c) (PGC, 2003d) (PGC, 2003e) (PGC, 2003f) (PGC, 2003g) (PGC, 2003h) (PGC, 2003i) (PGC, 2003j) (PGC, 2003k) (PGC, 2003l) (PGC, 2003m) (PGC, 2003n) (PGC, 2003o) (PGC, 2004a) (PGC, 2004b) (PGC, 2004c), within the two-county study area deer harvests generally increased from 1998 through 2001, and then declined through 2003. There were over 12,700 deer harvested in 1998, up to almost 19,400 in 2001, and then down to about 17,600 in 2003. These populations represent a valuable resource for hunters. Harvest levels were somewhat to moderately greater in Luzerne County than in Columbia County. While hunting for deer and waterfowl occurs in the ROI, no hunting is allowed on the BBNPP site.

Like deer hunting, spring and fall turkey hunting also represent relatively important parts of the hunting experiences in this part of Pennsylvania. As shown in Table 2.5-56 (PGC, 2003p) (PGC, 2003q) (PGC, 2003r) (PGC, 2003s), harvest levels varied significantly depending upon the year, from a low of about 14,900 turkeys harvested in 2001 to a high of about 21,600 in 2002.

As shown in Table 2.5-57 (PGC, 2003t) (PGC, 2003u) (PGC, 2003v) (PGC, 2003w) (PGC, 2003x) (PGC, 2004d) (PGC, 2007b), black bear harvests were small in the two-county area, ranging from a low of 34 bear in 1999 to a maximum of 145 bear in 2003. Yearly variations in bear harvest levels did not follow any particular pattern. The vast majority of this harvesting occurred in Luzerne County during any given year.

Similar to black bear harvests, beaver harvests from trapping represent a small part of the recreation occurring in the study area. As shown in Table 2.5-58 (PGC, 2003y), within the two-county study area, beaver harvests ranged from a low of 122 in 1993 to a high of 407 in 1997. The vast majority of this harvesting occurred in Luzerne County during any given year.

Pheasants can be hunted statewide, but the PGC also conducts specialized youth pheasant hunt stocking as a means of providing hunt training and harvesting opportunities for youth. To this end, in 2007 the state stocked pheasants in Luzerne County in state game lands area (SGL) 187, located south of Mt. Top about 2 mi (1.2 km) west of SR 437. It also stocked pheasants in Columbia County in SGL 58, located about 4 mi (2.4 km) south of Mainville on SR 339, and in SGL 226, located in Madison Township about 2 mi (1.2 km) west of Millville (PGC, 2007a).

2.5.4.3.3 Fishing

Within Luzerne County, primary waterbodies used to harvest fish include Harris Pond, Lily Lake, Mountain Springs Lake, Frances Slocum Lake, Frances E. Walter Reservoir, Moon Lake, Lake Frances, Nescopeck Creek, Lake Jean, and the Susquehanna River (PFBC, 2008b). These fishing opportunities are described in greater detail, below:

- ◆ Harris Pond - a 30 ac (12 ha) impoundment managed by the Pennsylvania Fish and Boat Commission (PFBC) that provides public fishing and boating opportunities, including fishing for largemouth bass, black crappie, bluegill, sunfish (i.e., pumpkinseed), and chain pickerel.
- ◆ Lily Lake - a 160 ac (65 ha) impoundment that is also managed by the PFBC to provide public fishing and boating opportunities, including fishing for largemouth bass, northern pike, rainbow trout, black crappie, yellow perch, bluegill, sunfish (i.e., pumpkinseed), brown bullhead, and chain pickerel. The lake is stocked with trout and northern pike fingerlings to enhance those fish stocks.
- ◆ Mountain Springs Lake - a 40 ac (16 ha) impoundment, but has been drawn down and will remain so until the dam is rebuilt. The lake is managed by the PFBC to provide public warmwater fishing and boating opportunities.
- ◆ Frances Slocum Lake - an 165 ac (67 ha) impoundment that is managed by the PFBC and provides year-around public fishing and boating opportunities, including fishing for largemouth bass, brown bullhead, yellow bullhead, bluegill, sunfish (i.e., pumpkinseed), black crappie, muskellunge, chain pickerel, walleye, yellow perch, and brook and rainbow trout. The lake is stocked with brook and rainbow trout on a regular basis.
- ◆ Frances E. Walter Reservoir - an 80 ac (32 ha) reservoir managed by the U.S. Army Corps of Engineers and provides public access for fishing.
- ◆ Moon Lake - a 48 ac (19 ha) lake owned and operated by Luzerne County that provides public fishing opportunities during the summer.
- ◆ Lake Frances - a 9 acre (4 ha) lake that provides trout, bass, and panfish angling opportunities. The PFBC stocks the lake.
- ◆ Nescopeck Creek - has 6 mi (10 km) of high-quality cold water fishing for brown trout and native brook trout. The PFBC stocks the creek.
- ◆ Lake Jean - a 245 ac (99 ha) lake that is part of Ricketts Glen State Park and provides public fishing access for warmwater game fisheries, panfish, and trout. The 13,050 ac (5,281 ha) park is located in Luzerne, Sullivan, and Columbia counties.
- ◆ Susquehanna River - the north branch of the river flows near the SSES site, and overall is 444 mi (715 km) long. Depending on the part of the river that one is fishing, it has muskellunge, northern pike, walleye, yellow perch, largemouth bass, smallmouth bass, native brook trout, striped bass, American shad, herring, catfish, carp, and other fisheries in it (PFBC, 2008c) (MDNR, 2008).

Within Columbia County, Briar Creek Lake is identified as the primary water body used to harvest fish. It is a 51 ac (21 ha) impoundment managed by the PFBC that provides public fishing and boating opportunities, including fishing for largemouth bass and rainbow trout. The lake is stocked with trout to enhance that fishery (PFBC, 2008a).

2.5.4.4 Subsistence Uses by Minority Populations

Although no information could be found, it is assumed that hunting and fishing for subsistence by some minorities could be occurring in the two-county region of influence.

2.5.4.5 Subsistence Uses by Low Income Populations

Although no information could be found, it is assumed that hunting and fishing for subsistence by some low income groups could be occurring in the two-county region of influence.

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Table 2.5-1 The Counties of Residence for Existing SSES Units 1 and 2 Operational Employees

County of Residence	Employees	
	Number	%
Berks	1	0.1%
Carbon	13	1.0%
Columbia	559	44.8%
Lackawanna	5	0.4%
Lancaster	1	0.1%
Lebanon	1	0.1%
Lehigh	5	0.4%
Luzerne	528	42.3%
Lycoming	8	0.6%
Monroe	1	0.1%
Montour	27	2.2%
Northampton	2	0.2%
Northumberland	47	3.8%
Schuylkill	35	2.8%
Snyder	2	0.2%
Union	3	0.2%
Wyoming	1	0.1%
York	5	0.4%
Out-of-State	3	0.2%
Total	1,247	100.0%

Table 2.5-2 Select Demographic and Economic Characteristics of Residential Population By Distance from the BBNPP Site, 2000

Demographic and Economic Characteristics	Radii/Distance mi (km)					
	0 - 10 mi (0 - 16 km) ⁽⁴⁾	10 - 20 mi (16 - 32 km) ⁽⁴⁾	20 - 30 mi (32 - 48 km) ⁽⁴⁾	30 - 40 mi (48 - 60 km) ⁽⁴⁾	40 - 50 mi (60 - 80 km) ⁽⁴⁾	0 - 50 mi (0 - 80 km) ⁽⁴⁾
Total Population	68,732	319,950	366,087	551,552	845,542	1,781,893
Age Composition						
Persons under 5 years old	3,353	15,730	17,981	29,511	48,170	95,576
Persons 18 years and over	53,402	252,889	288,327	424,224	642,710	1,378,065
Persons 65 years and over	11,688	61,389	71,010	88,651	130,717	307,115
Gender Composition						
Females	34,628	165,817	186,807	278,877	428,071	911,974
Ethnic Composition						
Caucasians ⁽¹⁾	66,766	308,767	355,955	525,690	781,458	1,686,637
African-Americans ⁽²⁾	1,026	5,433	5,426	13,084	25,436	40,351
Persons of Hispanic/Latino origins ⁽³⁾	680	4,057	3,401	11,801	40,004	51,826
Income Characteristics						
Median Household Income 1999	37,863	32,393	35,000	36,923	40,014	36,170

(1) Resident population excludes transient populations.

(2) Persons describing themselves as one race only.

(3) Persons of Hispanic or Latino origin may be of any race.

(4) Block group totals were added to column figures whether all or part of the block group was contained by the radii

Table 2.5-3 Historical and Projected Population in Columbia and Luzerne Counties and Pennsylvania from 1970 to 2080

Year	Columbia County		Luzerne County		Region of Influence- Columbia and Luzerne Counties		Commonwealth of Pennsylvania	
	Population	Average Annual Growth Percent	Population	Average Annual Growth Percent	Population	Average Annual Growth Percent	Population	Average Annual Growth Percent
1970	55,114	--	342,301	--	397,415	--	11,793,909	--
1980	61,967	1.18% ^(a)	343,079	0.02%	405,046	0.19%	11,863,895	0.06%
1990	63,202	0.20%	328,149	-0.44%	391,351	-0.34%	11,881,643	0.01%
2000	64,151	0.15%	319,250	-0.27%	383,401	-0.21%	12,281,054	0.33%
2010	64,573	0.07%	306,900	-0.39%	371,473	-0.32%	12,584,487	0.24%
2018	66,586	0.38%	300,094	-0.28%	366,680	-0.16%	12,746,200	0.16%
2020	67,233	0.13%	297,473	-0.11%	364,706	-0.06%	12,787,354	0.06%
2030 ^(b)	69,944	0.40%	288,847	-0.29%	358,791	-0.16%	12,768,184	-0.02%
2040	73,672	0.52%	279,743	-0.32%	353,415	-0.15%	12,749,014	-0.02%
2050	78,209	0.60%	271,440	-0.30%	349,649	-0.11%	12,729,844	-0.02%
2058	82,432	0.66%	265,154	-0.29%	347,586	-0.07%	12,711,800	-0.02%
2060	83,570	0.67%	263,632	-0.29%	347,202	-0.07%	12,710,674	-0.02%
2070	89,754	0.72%	256,319	-0.28%	346,073	-0.03%	12,691,504	-0.02%
2080	96,751	0.75%	249,502	-0.27%	346,253	0.01%	12,672,334	-0.02%

Notes:

- (a) Average Annual Growth Rate from previously noted year (example, 1.18% change in Columbia County from 1970 to 1980)
- (b) Population Projections 2010- 2030 from U.S. Census estimates available at <http://www.census.gov/population/projections/SummaryTabA1.xls>; Projections after 2030 for Pennsylvania used the same rate of change that occurred 2020-2030

Table 2.5-4 Select Demographic and Economic Characteristics of Persons in Columbia Luzerne Counties, the Commonwealth of Pennsylvania, and the U.S. 2000 to 2006

Demographic and Economic Characteristics	Columbia County	Luzerne County	Commonwealth of Pennsylvania	U.S.
Total Population, 2000	64,151	319,250	12,281,054	281,421,906
Total Population Estimate 2006	65,014	313,020	12,440,621	299,398,484
Average Annual Percent Change	0.22%	-0.33%	0.22%	1.04%
Population per square mile, 2000	132	274	274	79.6
Population per square mile, 2006	134	351	85	79.6
Persons under 5 years old	4.70%	5.00%	5.80%	6.80%
Persons 18 years and over	18.60%	20.00%	22.50%	24.60%
Persons 65 years and over	16.00%	18.20%	15.20%	12.40%
Gender Composition				
Females, 2006	52.10%	51.40%	51.40%	50.70%
Caucasians, 2006	97.30%	95.90%	85.70%	80.10%
African-Americans, 2006	1.10%	2.50%	10.70%	12.80%
Persons of Hispanic/Latino origin, 2006	1.40%	3.30%	4.20%	14.80%
Median Household Income, 2004	37,871	36,968	43,714	44,334
Persons Below Poverty, 2004	11.50%	11.50%	11.20%	12.70%

Table 2.5-5 Demographic and Economic Characteristics of Residential Populations in Select Cities and Communities within Luzerne County and Columbia County, 2000

Demographic Characteristic	Cities or Communities									
	Berwick	Bloomsburg	Dallas	Freeland	Hazleton	Kingston	Nanticoke	Pittston	Wilkes-Barre	
Total Population	10774	12448	2557	3643	23264	13855	10981	8104	43123	
Age Composition										
Persons under 5 years old	595	405	118	184	1307	623	553	422	2056	
Persons 18 years and over	8289	10935	2000	2852	18243	11112	8792	6349	34546	
Persons 65 years and over	2229	1400	455	831	5135	3378	2515	1797	8898	
Gender Composition										
Females	5737	6985	1322	1959	12514	7521	5848	4401	22254	
Ethnic Composition										
Caucasians ⁽¹⁾	10462	11830	2507	3597	21880	13618	10829	7967	39682	
African-Americans ⁽¹⁾	95	333	14	0	113	34	44	56	2494	
Persons of Hispanic/Latino origin ⁽²⁾	175	106	3	21	339	31	38	40	511	
Income Characteristics										
Median Household Income 1999	27442	24868	48696	31891	28082	33611	26169	27103	26711	
Persons below poverty	1546	2961	146	473	3262	1514	1712	1248	7051	
(1) Persons describing themselves as of one race only										
(2) Persons of Hispanic/Latino origin may be of any race or combination of races										

Table 2.5-6 Resident and Transient Populations, by Sector and Distance from BBNPP Site, 2000
(Page 1 of 2)

Sector/Type of Population	Population by Radii/Distance mi (km)									
	0 to 1 mi (0 to 2 km)	1 to 2 mi (2 to 3 km)	2 to 3 mi (3 to 5 km)	3 to 4 mi (5 to 6 km)	4 to 5 mi (6 to 8 km)	5 to 10 mi (8 to 16 km)	0 to 10 mi (0 to 16 km)			
N Total										
Transient Population	0	0	0	0	0	0	0	1,120	1,120	0
Resident Population	35	79	0	0	989	1,558	2,661			
NINE Total										
Transient Population	0	0	0	0	0	0	0	0	0	0
Resident Population	0	0	0	469	271	1,825	2,565			
NE Total										
Transient Population	0	0	0	0	0	0	0	0	0	0
Resident Population	0	79	23	49	169	2,787	3,107			
ENE Total										
Transient Population	1,460	0	0	0	0	0	1,460			
Resident Population	0	0	8	80	68	1,524	1,680			
E Total										
Transient Population	0	0	0	0	0	0	0	0	0	0
Resident Population	0	54	105	163	223	1,352	1,897			
ESE Total										
Transient Population	0	0	0	0	0	0	0	0	0	0
Resident Population	76	10	88	176	162	1,763	2,275			
SE Total										
Transient Population	0	0	0	0	0	0	0	0	0	0
Resident Population	0	38	0	182	49	4,527	4,796			
SSE Total										
Transient Population	0	0	0	0	0	0	0	0	0	0
Resident Population	0	148	73	90	60	1,437	1,808			
S Total										
Transient Population	0	0	0	0	0	0	0	0	0	0
Resident Population	118	113	60	164	9	1,033	1,497			
SSW Total										
Transient Population	0	0	0	0	0	0	0	0	0	0
Resident Population	0	80	0	245	146	466	937			
SW Total										
Transient Population	0	0	0	0	0	0	0	0	0	0

Table 2.5-6 Resident and Transient Populations, by Sector and Distance from BBNPP Site, 2000
(Page 2 of 2)

Sector/Type of Population	Population by Radii/Distance mi (km)								
	0 to 1 mi (0 to 2 km)	1 to 2 mi (2 to 3 km)	2 to 3 mi (3 to 5 km)	3 to 4 mi (5 to 6 km)	4 to 5 mi (6 to 8 km)	5 to 10 mi (8 to 16 km)	0 to 10 mi (0 to 16 km)		
Resident Population	11	76	153	1,428	43	852	2,563		
WSW Total									
Transient Population	0	0	0	731	300	1,400	2,431		
Resident Population	40	12	502	3,971	5,871	6,673	17,069		
W Total									
Transient Population	0	0	0	595	0	0	595		
Resident Population	0	224	132	127	522	1,729	2,734		
WNW Total									
Transient Population	0	0	0	0	0	0	0		
Resident Population	0	51	25	52	0	928	1,056		
NW Total									
Transient Population	0	0	0	0	0	0	0		
Resident Population	0	35	47	0	139	1,133	1,354		
NWW Total									
Transient Population	0	0	0	0	0	596	596		
Resident Population	0	55	183	6	35	1,318	1,597		
Total Population									
Transient Population	1,460	0	0	1,326	300	3,116	6,202		
Resident Population	280	1,054	1,399	7,202	8,756	30,905	49,596		

Table 2.5-7 Commuting Patterns to and from the Region of Interest (Columbia and Luzerne Counties

Parameter	County	Count
Worker Outflow from ROI (Columbia and Luzerne Counties) to Counties in 50 mi (80 km) Radius	Berks	196
	Bradford	39
	Carbon	653
	Dauphin	271
	Lackawanna	8,190
	Lebanon	81
	Lehigh	828
	Lycoming	431
	Monroe	1,706
	Montour	2,146
	Northampton	159
	Northumberland	1,117
	Pike	306
	Schuylkill	1,582
	Snyder	69
	Sullivan	114
	Susquehanna	71
	Union	240
	Wayne	163
Wyoming	910	
	Total	19,272
Worker Outflow from ROI (Columbia and Luzerne Counties) to Areas Outside 50 mi (80 km) Radius	Total	2,966
Worker Inflow to ROI (Columbia and Luzerne Counties) from Counties in 50 mi (80 km) Radius	Berks	78
	Bradford	91
	Carbon	2,242
	Dauphin	54
	Lackawanna	6,993
	Lebanon	45
	Lehigh	245
	Lycoming	469
	Monroe	667
	Montour	1,056
	Northampton	116
	Northumberland	1,290
	Pike	133
	Schuylkill	3,750
	Snyder	96
	Sullivan	75
	Susquehanna	234
	Union	56
	Wayne	327
Wyoming	2,214	
	Total	20,231
Worker Inflow to ROI (Columbia and Luzerne Counties) from Areas Outside 50 mi (80 km) Radius	Total	8,250
Net Worker Inflow to ROI (Columbia and Luzerne Counties)	Total	6,243

Table 2.5-8 Current Population and Population Projections For the BBNPP Low Population Zone

Year	LPZ Population	Average Annual Percent Change for the 10 Year Period
2000	2,733	NA
2010	2,863	0.47%
2018	3,030	NA
2020	3,034	0.60%
2030	3,200	0.55%
2040	3,453	0.79%
2050	3,644	0.55%
2058	3,806	NA
2060	3,840	0.54%
2070	4,038	0.52%
2080	4,245	0.51%

Table 2.5-9 The Population Projections from 2000 to 2080 Within 50 mi (80 km) of the BBNPP Site

Year	Population Projections within Radii/Distances mi (km)								Annual Average Percent Change For the 10 Year Period
	0 to 10 mi (0 to 16 km)	10 to 20 mi (16 to 32 km)	20 to 30 mi (32 to 48 km)	30 to 40 mi (48 to 60 km)	40 to 50 mi (60 to 80 km)	Total 0 to 50 mi (0 to 80 km)			
2000	49,578	265,448	288,591	419,390	638,968	1,661,993	NA		
2010	51,942	276,238	302,026	438,913	669,293	1,739,722	0.47%		
2018	54,987	294,343	319,995	464,971	708,605	1,842,901	NA		
2020	55,087	294,865	320,942	465,823	709,827	1,846,147	0.61%		
2030	58,047	310,729	337,809	490,895	747,932	1,945,412	0.54%		
2040	62,685	335,557	364,876	530,251	807,924	2,101,293	0.80%		
2050	66,124	353,947	384,816	559,239	852,083	2,216,209	0.55%		
2058	69,027	369,375	401,572	583,598	889,114	2,312,686	NA		
2060	69,687	373,065	405,537	589,364	897,933	2,335,586	0.54%		
2070	73,297	392,350	426,405	619,755	944,303	2,456,110	0.52%		
2080	77,036	412,354	448,348	651,477	992,608	2,581,823	0.51%		

Table 2.5-10 Population Projections by Sector and Distance from the BBNPP Site from 2000 to 2080
(Page 1 of 12)

Sector	Radius in mi (km)	Population Projection by Year												
		2000	2010	2018	2020	2030	2040	2050	2058	2060	2070	2080		
N		35	37	39	39	41	44	47	49	49	52	54		
NNE		0	0	0	0	0	0	0	0	0	0	0		
NE		0	0	0	0	0	0	0	0	0	0	0		
ENE		0	0	0	0	0	0	0	0	0	0	0		
E		0	0	0	0	0	0	0	0	0	0	0		
ESE		76	80	84	84	89	96	101	106	107	112	118		
SE		0	0	0	0	0	0	0	0	0	0	0		
SSE		0	0	0	0	0	0	0	0	0	0	0		
S	0-1 mi (0-2 km)	118	124	131	131	138	149	157	164	166	174	183		
SSW		0	0	0	0	0	0	0	0	0	0	0		
SW		11	11	12	12	12	14	15	15	15	16	17		
WSW		40	42	44	44	47	51	53	56	56	59	62		
W		0	0	0	0	0	0	0	0	0	0	0		
WNNW		0	0	0	0	0	0	0	0	0	0	0		
NW		0	0	0	0	0	0	0	0	0	0	0		
NNW		0	0	0	0	0	0	0	0	0	0	0		
Total		280	294	310	310	327	354	373	390	393	413	434		

Table 2.5-10 Population Projections by Sector and Distance from the BBNPP Site from 2000 to 2080
(Page 2 of 12)

Sector	Radius in mi (km)	Population Projection by Year												
		2000	2010	2018	2020	2030	2040	2050	2058	2060	2070	2080		
N		37	83	88	88	92	100	105	110	111	117	123		
NNE		0	0	0	0	0	0	0	0	0	0	0		
NE		79	83	88	88	93	100	105	110	111	117	122		
ENE		0	0	0	0	0	0	0	0	0	0	0		
E		54	56	60	60	64	68	72	76	76	80	84		
ESE		10	10	11	11	12	13	13	14	14	15	16		
SE		38	40	42	42	45	48	50	53	54	56	59		
SSE		148	155	165	165	173	187	198	205	208	219	230		
S	1-2 mi (2-3 km)	113	118	125	126	133	142	151	158	158	167	175		
SSW		80	84	89	89	94	102	107	111	111	119	125		
SW		76	80	84	84	89	97	101	106	107	112	118		
WSW		12	13	13	13	14	15	16	17	17	18	19		
W		224	235	248	249	262	283	299	312	315	331	348		
WNW		51	53	57	57	60	64	68	71	72	75	79		
NW		35	37	39	39	41	44	47	49	49	52	54		
NNW		35	58	61	61	64	70	73	77	77	81	85		
Total		992	1,105	1,170	1,172	1,236	1,333	1,405	1,469	1,480	1,559	1,637		

Table 2.5-10 Population Projections by Sector and Distance from the BBNPP Site from 2000 to 2080
(Page 3 of 12)

Sector	Radius in mi (km)	Population Projection by Year															
		2000	2010	2018	2020	2030	2040	2050	2058	2060	2070	2080					
N	2-3 mi (3-5 km)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NNE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE		23	24	25	25	27	29	30	32	32	34	36	36	36	36	36	36
ENE		8	8	9	9	9	10	11	11	11	12	12	12	12	12	12	12
E		105	110	116	116	123	132	140	146	148	155	163	163	163	163	163	163
ESE		88	92	98	98	102	111	117	122	124	129	137	137	137	137	137	137
SE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE		73	75	81	81	86	91	98	102	103	107	113	113	113	113	113	113
S		60	63	65	65	71	76	80	84	85	89	94	94	94	94	94	94
SSW		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW		153	160	170	170	179	193	205	213	214	226	238	238	238	238	238	238
WSW		502	526	557	558	588	634	669	698	706	742	780	780	780	780	780	780
W		132	138	146	147	154	167	176	184	186	195	205	205	205	205	205	205
WNNW		25	26	28	28	29	32	33	35	35	37	39	39	39	39	39	39
NW		47	50	52	52	55	60	63	65	66	69	73	73	73	73	73	73
NNW		183	192	203	203	214	231	244	255	257	271	284	284	284	284	284	284
Total			1,399	1,464	1,550	1,552	1,637	1,766	1,866	1,967	2,066	2,174	2,174	2,174	2,174	2,174	2,174

Table 2.5-10 Population Projections by Sector and Distance from the BBNPP Site from 2000 to 2080
(Page 4 of 12)

Sector	Radius in mi (km)	Population Projection by Year													
		2000	2010	2018	2020	2030	2040	2050	2058	2060	2070	2080			
N		0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE		469	491	520	521	550	593	624	651	658	695	728			
NE		49	51	54	54	57	62	65	68	69	72	76			
ENE		80	84	89	89	94	101	107	111	112	118	124			
E		163	171	181	181	191	206	217	227	229	241	253			
ESE		176	184	195	197	206	223	235	245	247	260	273			
SE		182	191	202	202	213	230	243	253	256	269	282			
SSE		90	94	101	101	105	114	120	125	126	133	140			
S		164	172	182	182	192	207	218	228	230	243	255			
SSW		245	257	272	272	286	309	326	341	345	362	381			
SW		1,428	1,493	1,581	1,583	1,668	1,806	1,907	1,987	2,006	2,110	2,223			
WSW		3,971	4,164	4,402	4,406	4,646	5,015	5,294	5,527	5,584	5,869	6,162			
W		127	132	142	142	149	160	169	177	178	187	198			
WNNW		52	54	58	58	61	65	69	72	73	76	81			
NW		0	0	0	0	0	0	0	0	0	0	0			
NNW		6	6	7	7	7	8	8	8	8	9	9			
Total		7,202	7,544	7,986	7,995	8,425	9,099	9,602	10,020	10,121	10,644	11,185			

Table 2.5-10 Population Projections by Sector and Distance from the BBNPP Site from 2000 to 2080
(Page 5 of 12)

Sector	Radius in mi (km)	Population Projection by Year												
		2000	2010	2018	2020	2030	2040	2050	2058	2060	2070	2080		
N		989	1,035	1,095	1,098	1,156	1,248	1,318	1,380	1,390	1,461	1,537		
NNE		271	282	301	301	317	343	360	378	381	401	422		
NE		169	177	188	188	198	213	225	235	237	250	262		
ENE		68	71	76	76	80	86	91	95	95	101	106		
E		223	233	246	247	261	281	297	310	313	330	347		
ESE		162	170	180	180	190	205	216	226	228	241	251		
SE		49	51	54	54	57	63	66	68	69	72	76		
SSE		60	63	67	67	71	76	80	84	84	89	93		
S		9	9	10	10	11	11	12	13	13	13	14		
SSW	4-5 mi (6-8 km)	146	153	161	163	171	184	195	204	205	216	227		
SW		43	44	49	49	51	53	58	60	60	63	67		
WSW		5,871	6,147	6,511	6,526	6,869	7,425	7,824	8,170	8,248	8,683	9,122		
W		522	547	579	580	611	660	696	727	733	771	810		
WNW		0	0	0	0	0	0	0	0	0	0	0		
NW		139	145	154	154	162	176	185	194	195	206	216		
NNW		35	37	39	39	41	44	47	49	49	52	54		
Total		8,756	9,164	9,710	9,732	10,246	11,068	11,670	12,193	12,300	12,949	13,604		

Table 2.5-10 Population Projections by Sector and Distance from the BBNPP Site from 2000 to 2080
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Sector	Radius in mi (km)	Population Projection by Year												
		2000	2010	2018	2020	2030	2040	2050	2058	2060	2070	2080		
N	5-10 mi (8-16 km)	1,558	1,631	1,727	1,730	1,828	1,967	2,079	2,166	2,187	2,300	2,420		
NNE		1,825	1,913	2,023	2,027	2,136	2,307	2,433	2,538	2,565	2,698	2,836		
NE		2,787	2,920	3,088	3,093	3,264	3,522	3,720	3,877	3,915	4,121	4,329		
ENE		1,524	1,595	1,691	1,693	1,782	1,929	2,033	2,122	2,141	2,252	2,365		
E		1,352	1,418	1,497	1,500	1,584	1,711	1,801	1,882	1,899	1,999	2,102		
ESE		1,763	1,847	1,953	1,959	2,060	2,229	2,351	2,457	2,478	2,607	2,739		
SE		4,527	4,741	5,018	5,028	5,300	5,722	6,031	6,302	6,365	6,690	7,031		
SSE		1,437	1,505	1,594	1,596	1,683	1,818	1,916	1,999	2,019	2,123	2,231		
S		1,033	1,083	1,144	1,149	1,206	1,303	1,374	1,436	1,453	1,525	1,607		
SSW		466	488	516	516	546	591	620	648	654	687	723		
SW		852	892	943	946	998	1,075	1,136	1,185	1,195	1,255	1,325		
WSW		6,673	6,989	7,405	7,416	7,808	8,434	8,900	9,288	9,376	9,865	10,362		
W		1,729	1,810	1,918	1,922	2,023	2,186	2,308	2,405	2,428	2,553	2,688		
WNW		928	972	1,029	1,031	1,084	1,176	1,240	1,293	1,305	1,374	1,440		
NW		1,133	1,184	1,255	1,256	1,329	1,432	1,509	1,578	1,593	1,672	1,758		
NNW		1,318	1,383	1,460	1,464	1,545	1,663	1,757	1,823	1,853	1,945	2,046		
Total		30,905	32,371	34,261	34,326	36,176	41,208	43,008	43,426	45,666	48,002			

Table 2.5-10 Population Projections by Sector and Distance from the BBNPP Site from 2000 to 2080
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Sector	Radius in mi (km)	Population Projection by Year												
		2000	2010	2018	2020	2030	2040	2050	2058	2060	2070	2080		
N		2,661	2,786	2,949	2,955	3,117	3,359	3,549	3,705	3,737	3,930	4,134		
NNE		2,565	2,686	2,844	2,849	3,003	3,243	3,417	3,567	3,604	3,794	3,986		
NE		3,107	3,255	3,443	3,448	3,639	3,926	4,145	4,322	4,364	4,594	4,825		
ENE		1,680	1,758	1,865	1,867	1,965	2,126	2,242	2,339	2,359	2,483	2,607		
E		1,897	1,988	2,100	2,104	2,223	2,398	2,527	2,641	2,665	2,805	2,949		
ESE		2,275	2,383	2,521	2,529	2,659	2,877	3,033	3,170	3,198	3,364	3,534		
SE		4,796	5,023	5,316	5,326	5,615	6,063	6,390	6,676	6,744	7,087	7,448		
SSE		1,808	1,892	2,008	2,010	2,118	2,286	2,412	2,515	2,540	2,671	2,807		
S	0-10 mi (0-16 km)	1,479	1,569	1,657	1,663	1,751	1,888	1,992	2,083	2,105	2,211	2,328		
SSW		937	982	1,038	1,040	1,097	1,186	1,248	1,304	1,315	1,384	1,456		
SW		2,563	2,680	2,839	2,844	2,997	3,238	3,422	3,566	3,597	3,782	3,988		
WSW		17,069	17,881	18,932	18,963	19,972	21,574	22,756	23,756	23,987	25,236	26,507		
W		2,734	2,862	3,033	3,040	3,199	3,456	3,648	3,805	3,840	4,037	4,249		
WNW		1,056	1,105	1,172	1,174	1,234	1,337	1,410	1,471	1,485	1,562	1,639		
NW		1,354	1,416	1,500	1,501	1,587	1,712	1,804	1,886	1,903	1,999	2,101		
NNW		1,597	1,676	1,770	1,774	1,871	2,016	2,129	2,221	2,244	2,358	2,478		
Total		49,578	51,942	54,987	55,087	58,047	62,685	66,124	68,655	69,687	73,297	77,036		

Table 2.5-10 Population Projections by Sector and Distance from the BBNPP Site from 2000 to 2080
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Sector	Radius in mi (km)	Population Projection by Year													
		2000	2010	2018	2020	2030	2040	2050	2058	2060	2070	2080			
N	10-20 mi (16-32 km)	4,256	4,454	4,720	4,727	4,979	5,379	5,672	5,924	5,983	6,292	6,608			
NNE		12,301	12,882	13,634	13,662	14,396	15,547	16,405	17,114	17,290	18,182	19,103			
NE		103,367	108,259	114,609	114,834	120,980	130,655	137,819	143,819	145,289	152,809	160,539			
ENE		20,059	21,012	22,235	22,290	23,485	25,361	26,750	27,919	28,200	29,663	31,167			
E		6,013	6,291	6,664	6,677	7,041	7,602	8,019	8,369	8,454	8,888	9,339			
ESE		13,671	14,316	15,167	15,194	16,004	17,292	18,240	19,021	19,214	20,206	21,233			
SE		39,155	41,018	43,434	43,494	45,858	49,478	52,191	54,490	55,012	57,870	60,828			
SSE		5,149	5,386	5,708	5,715	6,025	6,508	6,862	7,163	7,241	7,609	8,008			
S		16,481	17,254	18,273	18,302	19,288	20,826	21,973	22,945	23,158	24,367	25,604			
SSW		2,776	2,898	3,076	3,081	3,247	3,512	3,704	3,866	3,902	4,095	4,317			
SW		2,917	3,045	3,224	3,230	3,416	3,695	3,886	4,063	4,100	4,312	4,536			
WSW		25,408	26,607	28,185	28,230	29,735	32,116	33,892	35,339	35,706	37,550	39,474			
W		6,362	6,655	7,060	7,067	7,447	8,050	8,483	8,854	8,931	9,395	9,881			
WNNW		3,155	3,299	3,496	3,498	3,696	3,998	4,209	4,387	4,433	4,653	4,911			
NW		2,751	2,862	3,053	3,055	3,224	3,482	3,670	3,834	3,866	4,054	4,276			
NNW		1,627	1,698	1,805	1,809	1,908	2,056	2,172	2,268	2,286	2,405	2,530			
Total		265,448	276,238	294,343	294,865	310,729	335,557	353,947	369,375	373,065	392,350	412,354			

Table 2.5-10 Population Projections by Sector and Distance from the BBNPP Site from 2000 to 2080
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Sector	Radius in mi (km)	Population Projection by Year												
		2000	2010	2018	2020	2030	2040	2050	2058	2060	2070	2080		
N		323	337	355	356	376	413	433	451	454	478	500		
NNE		13,807	14,441	15,310	15,327	16,156	17,453	18,411	19,217	19,407	20,400	21,459		
NE		87,261	91,375	96,733	96,944	102,122	110,302	116,334	121,408	122,640	128,969	135,534		
ENE		5,753	6,015	6,376	6,387	6,730	7,279	7,668	8,006	8,086	8,507	8,934		
E		4,106	4,286	4,552	4,556	4,817	5,193	5,476	5,715	5,769	6,056	6,381		
ESE		8,529	8,916	9,463	9,479	9,990	10,785	11,373	11,871	11,988	12,599	13,245		
SE		26,201	27,430	29,040	29,098	30,659	33,133	34,940	36,464	36,824	38,728	40,710		
SSE		14,784	15,467	16,392	16,816	17,317	18,693	19,726	20,566	20,774	21,839	22,961		
S	20-30 mi (32-48 km)	47,385	49,606	52,550	52,639	55,455	59,899	63,178	65,935	66,575	70,037	73,617		
SSW		21,961	22,984	24,354	24,397	25,711	27,761	29,280	30,550	30,850	32,431	34,139		
SW		29,417	30,799	32,607	32,670	34,434	37,192	39,224	40,941	41,336	43,460	45,709		
WSW		16,693	17,465	18,516	18,543	19,546	21,106	22,266	23,226	23,458	24,658	25,932		
W		5,634	5,886	6,245	6,250	6,597	7,132	7,513	7,838	7,920	8,320	8,754		
WNW		4,221	4,403	4,681	4,687	4,943	5,345	5,635	5,875	5,929	6,218	6,560		
NW		1,600	1,664	1,775	1,776	1,878	2,029	2,139	2,230	2,246	2,354	2,487		
NNW		916	952	1,015	1,017	1,078	1,161	1,220	1,279	1,284	1,351	1,426		
Total		288,591	302,026	319,995	320,942	337,809	364,876	384,816	401,572	405,537	426,405	448,348		

Table 2.5-10 Population Projections by Sector and Distance from the BBNPP Site from 2000 to 2080
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Sector	Radius in mi (km)	Population Projection by Year													
		2000	2010	2018	2020	2030	2040	2050	2058	2060	2070	2080			
N	30-40 mi (48-64 km)	6,136	6,420	6,796	6,805	7,187	7,761	8,183	8,540	8,619	9,056	9,537			
NNE		16,668	17,445	18,479	18,522	19,511	21,087	22,230	23,192	23,426	24,625	25,886			
NE		143,505	150,301	159,111	159,421	167,931	181,407	191,377	199,640	201,675	212,136	222,876			
ENE		12,938	13,533	14,348	14,377	15,149	16,347	17,252	18,009	18,184	19,113	20,104			
E		18,453	19,270	20,454	20,481	21,616	23,337	24,602	25,685	25,920	27,248	28,668			
ESE		26,302	27,503	29,113	29,220	30,796	33,250	35,062	36,614	36,969	38,853	40,860			
SE		33,974	35,561	37,671	37,745	39,772	42,954	45,315	47,285	47,755	50,229	52,775			
SSE		15,144	15,847	16,794	16,816	17,723	19,155	20,203	21,066	21,279	22,369	23,525			
S		24,366	25,499	26,996	27,049	28,516	30,811	32,480	33,900	34,242	35,997	37,856			
SSW		15,276	15,984	16,931	16,955	17,880	19,316	20,365	21,256	21,459	22,572	23,729			
SW		8,628	9,006	9,561	9,571	10,101	10,903	11,500	12,021	12,125	12,730	13,395			
WSW		42,913	44,912	47,590	47,681	50,230	54,258	57,212	59,706	60,304	63,428	66,660			
W		31,426	32,897	34,851	34,912	36,790	39,726	41,900	43,741	44,159	46,439	48,826			
WNW		18,108	18,945	20,075	20,119	21,192	22,902	24,148	25,200	25,454	26,766	28,149			
NW		1,417	1,477	1,568	1,571	1,659	1,801	1,889	1,973	1,985	2,095	2,203			
NNW		4,136	4,313	4,573	4,578	4,842	5,236	5,521	5,770	5,809	6,099	6,428			
Total			419,390	438,913	464,683	465,823	490,895	530,251	559,239	583,598	619,755	651,477			

Table 2.5-10 Population Projections by Sector and Distance from the BBNPP Site from 2000 to 2080
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Sector	Radius in mi (km)	Population Projection by Year													
		2000	2010	2018	2020	2030	2040	2050	2058	2060	2070	2080			
N	40-50 mi (64-80 km)	6,949	7,259	7,697	7,707	8,145	8,801	9,262	9,674	9,762	10,257	10,806			
NNE		9,068	9,484	10,051	10,070	10,623	11,463	12,095	12,616	12,744	13,365	14,102			
NE		46,617	48,809	51,698	51,790	54,577	58,932	62,160	64,877	65,508	68,893	72,421			
ENE		19,841	20,759	21,996	22,021	23,230	25,101	26,457	27,617	27,873	29,297	30,822			
E		46,235	48,809	51,261	51,356	54,111	58,456	61,671	64,343	64,962	68,332	71,816			
ESE		47,995	50,246	53,235	53,320	56,182	60,677	64,002	66,785	67,464	70,941	74,544			
SE		213,653	223,707	236,984	237,411	250,071	270,117	284,913	297,248	300,261	315,787	331,914			
SSE		65,624	68,710	72,772	72,903	76,833	82,991	87,516	91,329	92,212	97,028	101,916			
S		31,873	33,371	35,331	35,397	37,293	40,303	42,491	44,345	44,800	47,101	49,517			
SSW		16,435	17,192	18,232	18,251	19,239	20,804	21,911	22,865	23,097	24,288	25,542			
SW		15,273	15,973	16,946	16,963	17,895	19,314	20,365	21,243	21,445	22,544	23,724			
WSW		28,875	30,199	32,023	32,081	33,787	36,508	38,510	40,200	40,572	42,670	44,860			
W		12,115	12,688	13,431	13,458	14,175	15,319	16,164	16,864	17,024	17,904	18,821			
WNW		67,806	70,992	75,193	75,325	79,353	85,708	90,415	94,344	95,302	100,222	105,310			
NW	1,320	1,376	1,457	1,459	1,546	1,674	1,760	1,835	1,854	1,948	2,056				
NNW	9,289	9,719	10,298	10,315	10,872	11,756	12,391	12,929	13,053	13,726	14,437				
Total		638,968	669,293	708,605	709,827	747,932	807,924	852,083	884,597	897,933	944,303	992,608			

Table 2.5-10 Population Projections by Sector and Distance from the BBNPP Site from 2000 to 2080
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Sector	Radius in mi (km)	Population Projection by Year												
		2000	2010	2018	2020	2030	2040	2050	2058	2060	2070	2080		
N		20,325	21,256	22,517	22,550	23,804	25,713	27,099	28,294	28,555	30,013	31,585		
NNE		54,409	56,938	60,309	60,430	63,689	68,793	72,558	75,706	76,471	80,366	84,536		
NE		383,857	401,999	425,634	426,437	449,249	485,222	511,835	534,066	539,476	567,401	596,195		
ENE		60,271	63,077	66,820	66,942	70,559	76,214	80,369	83,890	84,702	89,401	93,634		
E		76,704	80,256	85,031	85,174	89,808	96,986	102,295	106,753	107,770	113,329	119,153		
ESE		98,772	103,364	109,559	109,742	115,631	124,881	131,710	137,461	138,833	145,963	153,416		
SE		317,779	332,739	352,445	353,074	371,975	401,745	423,749	442,163	446,596	469,701	493,675		
SSE		102,509	107,302	113,674	113,863	120,016	129,633	136,719	142,639	144,046	151,516	159,217		
S	0-50 mi (0-80 km)	121,602	127,299	134,807	135,050	142,303	153,727	162,114	169,208	170,880	179,713	188,922		
SSW		57,385	60,040	63,631	63,724	67,174	72,579	76,508	79,841	80,623	84,770	89,183		
SW		58,798	61,503	65,177	65,278	68,843	74,342	78,397	81,834	82,603	86,828	91,352		
WSW		130,958	137,064	145,246	145,498	153,270	165,562	174,636	182,227	184,027	193,542	203,433		
W		58,271	60,988	64,620	64,727	68,208	73,683	77,708	81,102	81,874	86,095	90,531		
WNW		94,346	98,744	104,617	104,803	110,418	119,290	125,817	131,277	132,600	139,421	146,569		
NW		8,442	8,795	9,353	9,362	9,894	10,698	11,262	11,758	11,854	12,450	13,123		
NNW		17,565	18,358	19,461	19,493	20,571	22,225	23,433	24,467	24,676	25,939	27,299		
Total		1,661,993	1,739,722	1,842,901	1,846,147	1,945,412	2,101,293	2,216,209	2,312,686	2,335,586	2,456,110	2,581,823		

Table 2.5-11 Civilian Labor Force Data for Luzerne County, Columbia County, Scranton-Wilkes-Barre-Hazleton Metropolitan Statistical Area, Pennsylvania, and the U.S., 2000 and 2006
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Labor Force	County/Location											
	Luzerne County		Columbia County		Scranton-Wilkes-Barre-Hazleton Metropolitan Statistical Area		Commonwealth of Pennsylvania		U.S.			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2000 Labor Force												
Population 16 years old & older:	260,412	100.0%	52,499	100.0%	507,034	100.0%	9,693,040	100.0%	217,168,077	100.0%		
Individuals In Labor Force:	151,869	58.3%	32,403	61.7%	299,569	59.1%	6,000,512	61.9%	138,820,935	63.9%		
Civilian Labor Force	151,748	58.3%	32,376	61.7%	299,308	59.0%	5,992,886	61.8%	137,668,798	63.4%		
Employed	143,492	55.1%	30,006	57.2%	282,576	55.7%	5,653,500	58.3%	129,721,512	59.7%		
Unemployed	8,256	3.2%	2,370	4.5%	16,732	3.3%	339,386	3.5%	7,947,286	3.7%		
Percent of Civilian Labor Force Unemployed		5.4%		7.3%		5.6%		5.7%		5.8%		
Armed Forces	121	0.05%	27	0.1%	261	0.1%	7,626	0.1%	1,152,137	0.5%		
Individuals Not in Labor Force:	108,543	41.7%	20,096	38.3%	207,465	40.9%	3,692,528	38.1%	78,347,142	36.1%		
2006 Labor Force												
Population 16 years old & older:	258,114	100.0%	54,445	100.0%	n/a	n/a	9,987,926	100.0%	234,243,963	100.0%		
Individuals In Labor Force	156,404	60.6%	33,251	61.1%	n/a	n/a	6,277,605	62.9%	152,193,214	65.0%		
Civilian Labor Force	156,352	60.6%	33,211	61.0%	n/a	n/a	6,269,806	62.8%	151,203,992	64.5%		
Employed	147,674	57.2%	31,398	57.7%	n/a	n/a	5,881,115	58.9%	141,501,434	60.4%		
Unemployed	8,678	3.4%	1,813	3.3%	n/a	n/a	388,691	3.9%	9,702,558	4.1%		
Percent of Civilian Labor Force Unemployed		5.6%		5.5%		n/a		6.2%		6.4%		
Armed Forces	52	0.02%	40	0.1%	n/a	n/a	7,799	0.1%	989,222	0.4%		
	n/a											
	n/a											
Individuals Not in Labor Force:	101,710	39.4%	21,194	38.9%	n/a	n/a	3,710,321	37.1%	82,050,749	35.0%		
2000-2006 Average Annual Percent Change Labor Force												
Population 16 years old & older:	-0.2%		0.6%		n/a		0.5%		1.3%			

Table 2.5-11 Civilian Labor Force Data for Luzerne County, Columbia County, Scranton-Wilkes-Barre-Hazleton Metropolitan Statistical Area, Pennsylvania, and the U.S., 2000 and 2006

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Labor Force	County/Location				U.S.
	Luzerne County	Columbia County	Scranton-Wilkes-Barre-Hazleton Metropolitan Statistical Area	Commonwealth of Pennsylvania	
Individuals In Labor Force:	0.5%	0.4%	n/a	0.8%	1.6%
Civilian Labor Force	0.5%	0.4%	n/a	0.8%	1.6%
Employed	0.5%	0.8%	n/a	0.7%	1.5%
Unemployed	0.9%	-3.9%	n/a	2.4%	3.7%
Armed Forces	-9.5%	8.0%	n/a	0.4%	-2.4%
Individuals Not in Labor Force:	-1.1%	0.9%	n/a	0.1%	0.8%

Note:
 Columbia County was originally part of the MSA in 2000; however based on the latest information available on the MSA boundaries, Columbia County is no longer part of the Scranton-Wilkes-Barre-Hazleton MSA but is now part of a micropolitan. Therefore, comparisons between 2000 and 2006 can not be made.

Table 2.5-12 Employment by Industry Sectors and Class of Workers in Luzerne County, Columbia County, and the ROI, 2000 and 2006

Industry Sector and Class of Workers	Average Employment											
	Luzerne County				Columbia County				Total ROI			
	2000		2006		2000		2006		2000		2006	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total, All Industries	143,492	100%	147,674	100%	30,006	100%	31,398	100%	173,498	100%	179,072	100%
Agriculture, Forestry, Fishing & Hunting, and Mining	1,057	0.7%	974	0.7%	561	1.9%	450	1.4%	1,618	0.9%	1,424	0.8%
Construction	8,515	5.9%	8,164	5.5%	1,624	5.4%	2,134	6.8%	10,139	5.8%	10,298	5.8%
Manufacturing	23,754	16.6%	19,685	13.3%	7,233	24.1%	6,163	19.6%	30,987	17.9%	25,848	14.4%
Wholesale Trade	6,075	4.2%	6,369	4.3%	790	2.6%	643	2.0%	6,865	4.0%	7,012	3.9%
Retail Trade	18,595	13.0%	21,399	14.5%	3,609	12.0%	3,567	11.4%	22,204	12.8%	24,966	13.9%
Transportation and Warehousing, Utilities	8,260	5.8%	7,269	4.9%	1,571	5.2%	1,611	5.1%	9,831	5.7%	8,880	5.0%
Information	4,916	3.4%	4,816	3.3%	513	1.7%	813	2.6%	5,429	3.1%	5,629	3.1%
Finance, Insurance, Real Estate and Rental and Leasing	8,322	5.8%	8,808	6.0%	969	3.2%	926	2.9%	9,291	5.4%	9,734	5.4%
Professional, Scientific, Management, Administrative, and Waste Services	8,963	6.2%	11,238	7.6%	1,438	4.8%	1,734	5.5%	10,401	6.0%	12,972	7.2%
Educational, Health, and Social Services	30,882	21.5%	33,791	22.9%	7,170	23.9%	8,852	28.2%	38,052	21.9%	42,643	23.8%
Arts, Entertainment, Recreation, Accommodation and Food Services	9,988	7.0%	11,601	7.9%	2,355	7.8%	2,660	8.5%	12,343	7.1%	14,261	8.0%
Other Services (except public administration)	6,369	4.4%	5,971	4.0%	1,185	3.9%	1,166	3.7%	7,554	4.4%	7,137	4.0%
Public Administration	7,796	5.4%	7,589	5.1%	988	3.3%	679	2.2%	8,784	5.1%	8,268	4.6%
Class of Workers												
Private wage and salary workers	117,667	82.0%	120,502	81.6%	24,104	80.3%	25,491	81.2%	141,771	81.7%	145,993	81.5%
Government Workers	17,307	12.1%	17,891	12.1%	3,775	12.6%	3,981	12.7%	21,082	12.2%	21,872	12.2%
Self-employed workers in own not incorporated business	8,131	5.7%	8,917	6.0%	2,002	6.7%	1,902	6.1%	10,133	5.8%	10,819	6.0%
Unpaid family workers	387	0.3%	364	0.2%	125	0.4%	24	0.1%	512	0.3%	388	0.2%
Totals	143,492	100%	147,674	100%	30,006	100%	31,398	100%	173,498	100%	179,072	100%

**Table 2.5-13 Top 10 Employers in Luzerne County and Columbia County,
Second Quarter 2006**

County/Firm	Product/Service Provided	Employment
Luzerne County		
United States Government	Public Administration	N/A
Pennsylvania State Government	Public Administration	N/A
Wyoming Valley Health Care System	Medical	3,500
Luzerne County Government	Public Administration	1,739
OneSource, Inc.	Administrative Support, Waste Management and Remediation	N/A
Hazleton Area School District	Education	1,346
NBC Pittston Merchants, Inc.	Retail	N/A
PPL Susquehanna, LLC	Energy	1,000
Wal-Mart Associates, Inc.	Retail	650
Geisinger-Wyoming Valley	Medical	1,100
Metz and Associates, LTD	Accommodation and Food Service	N/A
Wilkes-Barre Area School District	Education	N/A
Columbia County		
State System of Higher Education	Education	N/A
Wise Foods, Inc	Food	800
Community Health Systems, Inc - Berwick Hospital Corporation	Medical	N/A
Magee Rieter Automotive Systems	Textile Industrial	N/A
Del Monte Corporation	Food	N/A
Berwick Area School District	Education	680
Deluxe Homes of PA, Inc	Housing	220
Kawneer Company, Inc	Manufacturer / Exporter / Importer	N/A
Wal-Mart Associates, Inc	Retail	N/A
Bloomsburg Hospital	Medical	N/A
Haddon Craftsmen, Inc	Manufacturing	N/A

Table 2.5-14 Income Characteristics in Luzerne County, Columbia County, Scranton-Wilkes-Barre-Hazleton Metropolitan Statistical Area, Pennsylvania, and the U.S., 2000 and 2006

Income Characteristics	County/Location				
	Luzerne County	Columbia County	Scranton-Wilkes-Barre-Hazleton Metropolitan Statistical Area	Commonwealth of Pennsylvania	U.S.
2000					
Percent of Individuals Below the Poverty Level	11.1%	13.1%	11.1%	11.0%	12.4%
Median Household Income	\$33,771	\$34,094	\$34,161	\$40,106	\$41,994
Per Capita Income	\$18,228	\$16,973	\$18,229	\$20,880	\$21,587
Mean Household Income	\$43,451	\$42,774	\$44,205	\$52,682	\$56,644
2006					
Percent of Individuals Below the Poverty Level	13.3%	10.7%	n/a	12.1%	13.3%
Median Household Income	\$39,687	\$39,135	n/a	\$46,259	\$48,451
Per Capita Income	\$21,346	\$18,715	n/a	\$24,694	\$25,267
Mean Household Income	\$50,006	\$46,822	n/a	\$61,319	\$65,527

**Table 2.5-15 Mean Earnings in Luzerne County, Columbia County,
Scranton-Wilkes-Barre-Hazleton Metropolitan Statistical Area, Pennsylvania, and the U.S., 2000
and 2006**

Income Characteristics	County/Location				
	Luzerne County	Columbia County	Scranton- Wilkes-Barre- Hazleton Metropolitan Statistical Area	Commonwealt h of Pennsylvania	U.S.
2000					
Mean Earnings	\$45,897	\$42,936	\$46,362	\$54,209	\$56,604
Percent Greater Than the National Average	-18.9%	-24.1%	-18.1%	-4.2%	n/a
2006					
Mean Earnings	\$52,370	\$48,437	n/a	\$64,352	\$66,733
Percent Greater Than the National Average	-21.5%	-27.4%	n/a	-3.6%	n/a

Table 2.5-16 Occupied Housing Units and Vacant (available) Housing Units in Luzerne County, Columbia County, and the ROI, 2000 and 2006

Housing Units	County/Location					
	Luzerne County		Columbia County		Total ROI	
	Number	Percent	Number	Percent	Number	Percent
2000						
Total Housing:	144,686	100%	27,733	100%	172,419	100%
Total Occupied Units:	130,687	90.3%	24,915	89.8%	155,602	90.2%
Owner-Occupied	91,914	70.3%	18,030	72.4%	109,944	70.7%
Renter-Occupied	38,773	29.7%	6,885	27.6%	45,658	29.3%
Total Unoccupied Units:	13,999	9.7%	2,818	10.2%	16,817	9.8%
Year-around Units	11,482	7.9%	1,514	5.5%	12,996	7.5%
Seasonal, recreational, or occasional use units	2,517	1.7%	1,304	4.7%	3,821	2.2%
2006						
Total Housing:	147,321	100%	28,811	100%	176,132	100%
Total Occupied Units:	130,034	88.3%	25,302	87.8%	155,336	88.2%
Owner-Occupied	94,840	72.9%	19,569	77.3%	114,409	73.7%
Renter-Occupied	35,194	27.1%	5,733	22.7%	40,927	26.3%
Total Unoccupied Units:	17,287	11.7%	3,509	12.2%	20,796	11.8%
Year-around Units	13,948	9.5%	2,442	8.5%	16,390	9.3%
Seasonal, recreational, or occasional use units	3,339	2.3%	1,067	3.7%	4,406	2.5%
2000-2006 Average Annual Percent Change						
Total Housing:	0.3%		0.6%		0.4%	
Total Occupied Units:	-0.1%		0.3%		-0.03%	
Owner-Occupied	0.5%		1.4%		0.7%	
Renter-Occupied	-1.5%		-2.8%		-1.7%	
Total Unoccupied Units:	3.9%		4.1%		3.9%	
Year-around Units	3.6%		10.2%		4.4%	
Seasonal, recreational, or occasional use units	5.4%		-3.0%		0.4%	

Table 2.5-17 New Housing Units (both Single-family and Multi-family) Authorized for Construction, Luzerne County, Columbia County, and the Region of Interest, 2000 to 2006

	Year	County/Location		
		Luzerne County	Columbia County	Total ROI
Total Existing Units	2000	144,686	27,733	172,419
Annual Building Permits	2000	471	142	613
	2001	559	142	701
	2002	717	156	873
	2003	829	182	1,011
	2004	673	156	829
	2005	403	72	475
	2006	480	65	545
Annual Units	2000	490	188	678
	2001	580	149	729
	2002	854	169	1,023
	2003	935	191	1,126
	2004	712	263	975
	2005	407	73	480
	2006	536	69	605
Annual Construction Cost	2000	\$56,282,978	\$12,648,938	\$68,931,916
	2001	\$75,160,529	\$14,818,228	\$89,978,757
	2002	\$103,733,348	\$19,390,413	\$123,123,761
	2003	\$123,197,471	\$22,457,498	\$145,654,969
	2004	\$101,566,458	\$28,753,601	\$130,320,059
	2005	\$68,154,090	\$11,007,416	\$79,161,506
	2006	\$98,895,176	\$9,904,219	\$108,799,395

Table 2.5-18 Apartment and Townhouse Complexes within about 30 Mi (48 km) of Berwick, Pennsylvania

(Page 1 of 2)

Apartment & Townhouse Complex	City/Location	Distance From Berwick		Number of Bedrooms
		mi	km	
Luzerne County				
St. Thomas Court	Hazleton	17.4	28.1	1-3
Lexington Village Apartments	Nanticoke	21.1	34.0	2
Woodbryn Associates	Mountain Top	23.1	37.1	n/a
University City Housing	Plymouth	23.5	37.8	n/a
Saint Vincent Apartments	Plymouth	23.9	38.4	n/a
Teberio Properties, LLC	Mountain Top	25.4	40.9	n/a
Gateway Manor Apartments	Edwardsville	27.6	44.4	1-3
KBK Apartments	Kingston	27.6	44.4	n/a
Four Star Apartments	Kingston	28.0	45.1	n/a
MS Carrier Apartments	Wilkes-Barre	28.0	45.1	n/a
Gates Avenue Apartments	Kingston	28.2	45.4	n/a
Chapin Apartments	Kingston	28.5	45.9	n/a
Provincial Tower Apartments	Wilkes-Barre	28.6	46.0	2
North River Street Apartments	Wilkes-Barre	28.7	46.2	0-3
Cedar Village Apartments	Ashley	28.9	46.5	1-3
SDK Green Acres Apartments	Kingston	28.9	46.5	1-3
Nittany Woodlands	Lehman	29.7	47.8	n/a
Lafayette Garden Apartments, LLC	Wilkes-Barre	30.3	48.7	1-2
Mayflower Crossing	Wilkes-Barre	30.3	48.8	1-4
Hi-Meadows Apartments	Dallas	30.4	48.9	1-4
Marlboro Place	Wilkes-Barre	31.0	49.9	1-2
Saint John Apartments, LP	Wilkes-Barre	32.4	52.1	n/a
Country Club Apartments	Dallas	32.7	52.6	2-3
Wilkeswood Apartments	Wilkes-Barre	33.5	53.9	1-3
East Mountain Apartments	Wilkes-Barre	33.6	54.1	1-2
Subtotal of Facilities: 25				
Columbia County				
353 North Market Street Apartments	Berwick	0.8	1.3	3
Briar Manor Apartments	Berwick	2.7	4.3	n/a
Hawthorne Heights Townhouses	Bloomsburg	12.8	20.5	n/a
Scottown Apartments	Bloomsburg	12.7	20.4	n/a
Ridgeview Westlawn Apartments	Danville	22.2	35.7	1-2
Subtotal of Facilities: 5				
Schuylkill				
Berwick House Apartments	Tamaqua	29.5	47.5	n/a
ABC Tamaqua High Rise, Inc.	Tamaqua	29.6	47.6	0-1
Subtotal of Facilities: 2				
Northumberland				

Table 2.5-18 Apartment and Townhouse Complexes within about 30 Mi (48 km) of Berwick, Pennsylvania

(Page 2 of 2)

Apartment & Townhouse Complex	City/Location	Distance From Berwick		Number of Bedrooms
		mi	km	
Nottingham Estates	Elysburg	26.7	42.9	n/a
Mountain View Apartments	Elysburg	27.3	44.0	1-2
Subtotal of Facilities: 2				
Total of Facilities: 34				

Notes: Distances were calculated as driving distances.

Table 2.5-19 Hotels, Motels, and Bed & Breakfasts within about 30 Mi (48 km) of Berwick, Pennsylvania

(Page 1 of 4)

County/Name	City/Location	Distance from Berwick		Number of Units	Occupancy
		mi	km		
Luzerne County					
Super 8 Motel	Nescopeck	1.4	2.3	46	Phone-n/a
Emerald Forest Inn	Nescopeck	5.2	8.4	n/a	n/a
Lookout Motor Lodge	Drums	8.9	14.3	19	n/a
Best Value Inn	Drums	9.9	15.9	63	Phone-n/a
Americas Best Value Inn	Drums	9.9	15.9	58	n/a
The Blue Heron B & B	Shickshinny	11.1	17.9	n/a	n/a
Eagle Rock Resort	Hazleton	11.8	19.0	46	n/a
Comfort Inn	West Hazleton	13.5	21.7	119	Occupancy is greater than 80% on weekdays throughout the year
Forest Hill Inn	Hazleton	14.8	23.8	40	n/a
Fairfield Inn & Suites by Marriott	Hazleton	15.4	24.8	57	n/a
Econo Lodge	Drums	16.9	27.2	42	n/a
Holiday Inn Express Suites	Drums	17.1	27.5	65	Booked throughout the summer on weekends; Business travelers comprise the business during winter weekdays
Best Western Genetti Lodge	Hazleton	17.8	28.6	77	n/a
Harts Content B & B	Huntington Mills	17.8	28.6	3	n/a
Nesco Manor Hotel	Drums	18.0	29.0	5	n/a
Ramada Inn	Hazleton	18.0	29.0	106	Phone-n/a
Penn Terrace Motel	Hazleton	18.2	29.3	24	n/a
Capri Motel Inc.	Hazleton	18.3	29.5	n/a	n/a
Emily's B & B	Hazleton	18.5	29.8	4	n/a
Hampton Inn	Hazleton	18.5	29.8	123	Phone-n/a
Hazleton Motor Inn	Hazleton	19.0	30.6	25	n/a
Mt. Laurel Motel	Hazleton	19.8	31.9	41	n/a
Young's Country Inn	Cambra	20.5	33.0	n/a	n/a
Montfort Motel	Sheppton	23.0	37.0	n/a	n/a
Inn Between	Hanover Twp	25.4	40.9	n/a	n/a
Econo Lodge Inn & Suites	White Haven	26.2	42.2	30	n/a
Knights Inn Lake Harmony	White Haven	26.2	42.2	20	n/a
Mountain Laurel Resort & Spa	White Haven	26.2	42.2	150	Booked throughout the summer on weekends; January through March is the slower period
Budget Inn	White Haven	26.2	42.2	35	n/a
Inn at Hickory Run	White Haven	26.4	42.5	4	n/a
Poplar Inn	Wilkes-Barre	27.5	44.3	n/a	n/a
Budget Inn	Kingston	27.7	44.6	n/a	n/a
Econo Lodge	Wilkes-Barre	29.0	46.7	104	Phone-n/a
Ramada In Pocono-Lake Harmony	White Haven	29.3	47.2	134	Approximately 80-90% full on weekends during July and August
Comfort Inn Pocono Fountain	White Haven	29.3	47.2	112	Phone-n/a
Days Inn	Wilkes-Barre	29.8	48.0	68	n/a

Table 2.5-19 Hotels, Motels, and Bed & Breakfasts within about 30 Mi (48 km) of Berwick, Pennsylvania

(Page 2 of 4)

County/Name	City/Location	Distance from Berwick		Number of Units	Occupancy
		mi	km		
Comfort Inn	Wilkes-Barre	29.8	48.0	65	n/a
Sign of the Rose B & B	Wilkes-Barre	30.6	49.2	8	n/a
Pondarowland B & B	Dallas	30.7	49.4	5	n/a
Best Western Genetti Hotel & Convention Center	Wilkes-Barre	30.7	49.4	72	n/a
Hillard House	Wilkes-Barre	30.7	49.4	2	n/a
Ramada Inn on the Square	Wilkes-Barre	30.9	49.7	157	Phone-n/a
Wilkes-Barre Lodge	Wilkes-Barre	31.7	51.0	40	n/a
Red Carpet	Wilkes-Barre	31.8	51.2	n/a	n/a
Holiday Inn Wilkes-Barre Arena	Wilkes-Barre	31.8	51.2	126	Phone-n/a
Host Inn All Suites Hotels	Wilkes-Barre	31.9	51.3	66	n/a
Wilkes-Barre Days Inn	Wilkes-Barre	32.0	51.5	75	n/a
The Country Place Retreat	White Haven	32.1	51.7	n/a	n/a
Hilton Garden Inn	Wilkes-Barre	32.1	51.7	123	Generally booked Monday through Wednesday throughout the year
Subtotal of Facilities: 49				2,359	
Columbia County					
Crossroads Hotel & Lounge	Berwick	0.7	1.1	n/a	n/a
White Birch Inn	Berwick	1.2	1.9	7	n/a
Red Maple Inn	Berwick	2.5	4.0	n/a	n/a
Briar Creek Hotel	Berwick	3.1	5.0	n/a	n/a
Tuggy's Motel, Inc.	Mifflinville	5.0	8.0	n/a	n/a
Tennytown Motel	Bloomsburg	9.0	14.5	21	n/a
Augustine's Inn B & B	Bloomsburg	9.3	15.0	3	n/a
Budget Host Patriot Inn	Bloomsburg	9.6	15.4	59	Booked throughout the summer on weekends; shutdown period in February
Lightstreet Hotel	Bloomsburg	10.3	16.6	n/a	n/a
The Inn at Turkey Hill	Bloomsburg	10.5	16.9	18	n/a
Hampton Inn	Bloomsburg	10.8	17.4	70	Winter months are booked Monday through Thursday; Mostly booked throughout the summer on weekends
Keller's Motel	Bloomsburg	11.1	17.9	n/a	n/a
College Hill B & B	Bloomsburg	11.8	19.0	3	n/a
Maggies Main Street Inn	Bloomsburg	11.9	19.2	n/a	n/a
Yellow Gables B & B	Bloomsburg	11.9	19.2	3	n/a
College Hill B & B	Bloomsburg	12.1	19.5	n/a	n/a
Irondale Inn B & B	Bloomsburg	12.7	20.4	4	n/a
Holiday Inn Express	Bloomsburg	13.8	22.2	76	Phone-n/a

Table 2.5-19 Hotels, Motels, and Bed & Breakfasts within about 30 Mi (48 km) of Berwick, Pennsylvania

(Page 3 of 4)

County/Name	City/Location	Distance from Berwick		Number of Units	Occupancy
		mi	km		
Econo Lodge	Bloomsburg	13.9	22.4	80	Busier periods are Thursday through Sunday throughout the year; Summer months are the busiest with variable availability
Inn at Buckhorn Road	Bloomsburg	14.4	23.2	120	Phone-n/a
Stone Castle Motel & Gym	Bloomsburg	15.7	25.3	146	Weekly and monthly rentals only; Booked for special events in the area including Bloomsburg Fair Week, Little League Events, and Race Weekends
Catawissa Railroad Caboose	Catawissa	16.5	26.6	8	n/a
Winn's Motel	Danville	16.7	26.9	n/a	n/a
Penn Motel	Danville	17.9	28.8	n/a	n/a
Centre Inn	Nanticoke	20.1	32.3	n/a	n/a
Hess Hotel	Benton	20.2	32.5	n/a	n/a
Ruby's Inn	Nanticoke	21.8	35.1	n/a	n/a
Hotel Iola	Millville	22.0	35.4	n/a	n/a
Fair Haven B & B	Catawissa	22.1	35.6	4	n/a
Best Western Danville Inn	Danville	22.1	35.6	58	Booked throughout the summer on weekends; Winter months are approximately 50% full during the week
Mil & Jim Parkway Inn	Nanticoke	22.1	35.6	n/a	n/a
Fair Haven B & B	Numidia	22.2	35.7	4	n/a
Quality Inn & Suites	Danville	22.4	36.0	77	Booked throughout the summer on weekends; Winter months vary in the availability
Hampton Inn	Danville	22.6	36.4	71	Booked throughout the summer on weekdays and weekends
Days Inn Conference Center	Danville	22.6	36.4	142	Booked throughout the summer on weekdays and weekends; Mostly booked on weekends in the winter months
Key Motor Inn	Danville	22.6	36.4	120	n/a
Super 8 Motel	Danville	22.6	36.4	n/a	n/a
Red Roof Inn	Danville	22.8	36.7	107	Phone-vn/a
The Peaceable Kingdom B & B	Catawissa	24.0	38.6	1	n/a
Fishing Creek Lodge	Benton	25.1	40.4	4	n/a
Cottage at Sky Meadow Farm	Benton	25.2	40.6	1	n/a
Doctor's Inn B & B	Danville	25.4	40.9	4	n/a
Pine Barn Inn & Motel	Danville	25.8	41.5	98	n/a
Country Farm B & B	Benton	26.7	43.0	2	n/a

Table 2.5-19 Hotels, Motels, and Bed & Breakfasts within about 30 Mi (48 km) of Berwick, Pennsylvania

(Page 4 of 4)

County/Name	City/Location	Distance from Berwick		Number of Units	Occupancy
		mi	km		
Fishing Creek Angler B & B	Benton	28.0	45.1	4	n/a
Central Park Hotel	Benton	28.5	45.9	n/a	n/a
Jamison City Hotel, Inc.	Benton	29.0	46.7	11	n/a
Subtotal of Facilities: 47				1,326	
Schuylkill County					
McAdoo Hotel	McAdoo	21.7	34.9	n/a	Phone-n/a
Pine's Motel	Tamaqua	25.3	40.7	n/a	Phone-n/a
Kaier Mansion	Mahoney City	30.4	48.9	5	Busy throughout the year; Variable depending on events in the area
Subtotal of Facilities: 3				5	
Carbon County					
Macalusco's at the Lantern Inn	Nesquehoning	31.7	51.0	17	Booked throughout the summer on weekends, especially on Race Weekends
Split Rock Resort	Lake Harmony	31.8	51.2	n/a	n/a
Subtotal of Facilities: 2				17	
Total of Facilities: 101				4,007	

Notes:

n/a = not available

Distances were calculated as driving distances.

Table 2.5-20 Public Schools Located in Luzerne County and Columbia County

(Page 1 of 3)

County/Public School District/Schools	City/Location	Grades Taught	Number of Students	Students per FTE Teacher
Luzerne County				
Bear Creek Community CS:				
Bear Creek Community Charter School	Wilkes-Barre	K-7	259	15.6
Crestwood SD:				
Crestwood High School	Mountain Top	9-12	1,104	21.4
Crestwood Middle School	Mountain Top	7-8	495	17.2
Fairview Elementary School	Mountain Top	K-6	773	19.1
Rice Elementary School	Mountain Top	K-6	790	17.9
Dallas SD:				
Dallas Elementary School	Dallas	K-5	697	18.0
Dallas High School	Dallas	9-12	869	16.6
Dallas Middle School	Dallas	6-8	684	17.5
Wycallis Elementary School	Dallas	K-5	450	21.2
Greater Nanticoke Area SD:				
GNA Elementary School	Nanticoke	3-5	443	16.5
Greater Nanticoke Area Education Center	Nanticoke	6-7	324	18.3
Greater Nanticoke Area High School	Nanticoke	8-12	953	20.7
J.F. Kennedy Elementary School	Nanticoke	2	132	20.6
K.M. Smith Elementary School	Nanticoke	K-1	322	20.5
Hanover Areas SD:				
Hanover Area Junior/Senior High School	Wilkes-Barre	7-12	1,044	17.4
Hanover Area Memorial Elementary School	Wilkes-Barre	5-6	291	13.3
Hanover Green Elementary School	Wilkes-Barre	K	134	13.5
Lee Park Elementary School	Wilkes-Barre	1-2	291	21.7
Lyndwood Elementary School	Wilkes-Barre	3-4	300	16.5
Hazleton Area SD:				
Arthur Street Elementary School	Hazleton	K-6	432	17.8
Drums Elementary/Middle School	Drums	K-8	731	19.2
Freeland Elementary/Middle School	Freeland	K-8	956	17.2
Hazle Elementary School	Hazleton	K-6	752	17.2
Hazleton Area High School	Hazleton	9-12	3,335	20.3
Heights Terrace Elementary/Middle School	Hazleton	K-8	1,072	18.1
Mcadoo Kelayres Elementary School	Mcadoo	K-6	426	15.3
Valley Elementary/Middle School	Sugarloaf	K-8	1,109	16.7
West Hazleton Elementary/Middle School	West Hazleton	K-8	973	17.6
Hazleton Areas Carrer Center SD:				
Hazleton Area Career Center	Hazleton	9-12	n/a	n/a
Lake-Lehman SD:				
Lake-Lehman Junior High School	Lehman	7-12	1,071	16.7
Lake-Noxen Elementary School	Harveys Lake	K-6	353	13.0
Lehman-Jackson Elementary School	Lehman	K-6	486	14.0
Ross Elementary School	Sweet Valley	K-6	248	13.9
Luzerne IU 18 SD:				
Luzerne Intermediate Unit 18	Kingston	n/a	n/a	n/a
Northwest Areas SD:				
Garrison Memorial School	Shickshinny	K-6	160	13.1
Hunlock Creek School	Shickshinny	K-6	284	15.6
Huntington Mills School	Shickshinny	K-6	308	17.5

Table 2.5-20 Public Schools Located in Luzerne County and Columbia County

(Page 2 of 3)

County/Public School District/Schools	City/Location	Grades Taught	Number of Students	Students per FTE Teacher
Northwest Area High School	Shickshinny	7-12	668	15.2
Pittston Area SD:				
Ben Franklin Kindergarten Center	Dupont	K	199	19.9
Pittston Area High School	Pittston	9-12	1,079	20.2
Pittston Area Middle School	Pittston	6-8	760	16.5
Pittston Area Primary Center	Pittston	1-2	454	15.1
Pittston City Intermediate Center	Pittston	3-5	688	18.1
West Side AVTS:				
West Side AVTS School	Kingston	9-12	503	13.6
Wilkes-Barre Areas SD:				
Daniel J. Flood Elementary School	Wilkes-Barre	K-6	521	14.6
Dodson Elementary School	Wilkes-Barre	K-6	457	17.1
Dr. David W. Kistler Elementary School	Wilkes-Barre	K-6	903	16.8
Elmer L. Meyers Junior/Senior High School	Wilkes-Barre	7-12	949	14.0
G.A.R. Memorial Junior/Senior High School	Wilkes-Barre	7-12	919	14.8
Heights/Murray Elementary School	Wilkes-Barre	K-6	653	14.1
James M. Coughlin Junior/Senior High School	Wilkes-Barre	9-12	1,075	16.9
Solomon/Plains Elementary School	Plains	K-6	858	15.8
Solomon/Plains Junior High School	Plains	7-8	535	15.2
Wilkes-Barre AVTS:				
Wilkes-Barre AVTS School	Wilkes-Barre	9-12	n/a	n/a
Wyoming Area SD:				
Kennedy Elementary Center	Exeter	K-4	246	18.1
Montgomery Avenue Elementary School	West Pittston	K-6	475	16.8
Sara J. Dymond Elementary School	Pittston	K-6	231	13.9
Tenth Street Elementary School	Wyoming	K-5	359	16.1
Wyoming Area Secondary Center	Exeter	7-12	1,316	18.6
Wyoming Valley West SD:				
Chester Street Elementary School	Kingston	1-5	232	13.6
Dana Elementary Center	Forty Fort	K-5	553	16.3
Main Elementary Center	Plymouth	K-5	401	14.3
Pringle Street Elementary School	Kingston	K-4	96	12.0
Schuyler Avenue Elementary School	Kingston	K-5	241	17.2
State Elementary Center	Larksville	K-5	594	16.3
Third Avenue Elementary School	Kingston	K-5	163	27.2
Wyoming Valley West Middle School	Kingston	6-8	1,315	17.5
Wyoming Valley West High School	Plymouth	9-12	1,485	18.3
Other:				
Youth Forestry Camp #2 School	White Haven	7-12	49	6.1
Subtotals	69		42,028	
Columbia County				
Benton Area SD:				
Appleman Elementary School	Benton	K-6	385	12.6
Benton Area Junior/Senior High School	Benton	7-12	382	12.7
Berwick Area SD:				
Berwick Area High School	Berwick	9-12	992	13.5

Table 2.5-20 Public Schools Located in Luzerne County and Columbia County

(Page 3 of 3)

County/Public School District/Schools	City/Location	Grades Taught	Number of Students	Students per FTE Teacher
Berwick Area Middle School	Berwick	6-8	897	14.7
Fourteenth Street Elementary School	Berwick	K-5	214	13.8
Mulberry Street Elementary School	Berwick	K-5	88	10.9
Nescopeck Elementary School	Nescopeck	K-5	276	14.5
Orange Street Elementary School	Berwick	K-5	386	13.3
Salem Elementary School	Berwick	K-5	462	15.9
Bloomsburg Area SD:				
Beaver-Main Elementary School	Bloomsburg	K-5	104	14.1
Bloomsburg Area High School	Bloomsburg	9-12	488	13.5
Bloomsburg Area Middle School	Bloomsburg	6-8	440	13.1
Memorial Elementary School	Bloomsburg	K-5	454	13.5
W.W. Evans Memorial Elementary School	Bloomsburg	K-5	263	14.6
Central Columbia SD:				
Central Columbia Elementary School	Bloomsburg	K-4	712	15.4
Central Columbia High School	Bloomsburg	9-12	696	15.4
Central Columbia Middle School	Bloomsburg	5-8	713	16.4
Columbia Montour AVTS SD:				
Columbia-Montour AVTS School	Bloomsburg	9-12	682	16.0
Millville Area SD:				
Millville Area Elementary School	Millville	K-6	411	11.7
Millville Area Junior/Senior High School	Millville	6-12	344	11.1
South Columbia Area SD:				
Hartman Elementary Center	Catawissa	K-4	536	14.4
Southern Columbia High School	Catawissa	9-12	478	15.7
Southern Columbia Middle School	Catawissa	5-8	438	14.7
Subtotals	23		10,841	
Totals	92		52,869	

Notes:

FTE = full-time equivalent

K = kindergarten

PK = pre-kindergarten

CS = Charter School

SD = School District

IU = Intermediate Unit

AVTS = Area Vocational Technical School

1. Mcadoo is located in Schuylkill County but is part of the Hazleton Area school district including the budget.
2. The following schools are vocational schools: Hazleton Area Career Center, West Side AVTS School, and Wilkes-Barre AVTS School
3. Youth Forestry Camp #2 School - This is an juvenile justice detention school which is not part of the total revenue and expenditure numbers presented in Section 2.5.2.5.
4. Salem Elementary School is located in Luzerne County but part of the Berwick School District and budget in Columbia County.

Table 2.5-21 Private Schools Located in Luzerne County and Columbia County

(Page 1 of 2)

County/Public School District/Schools	City/Location	Grades Taught	Number of Students	Students per FTE Teacher
Luzerne County				
Anne McLaughlin's Child Care School	Sybertsville	PK-K	35	18
Bishop Hafey Junior/Senior High School	Hazleton	7-12	576	15
Bishop Hoban High School	Wilkes-Barre	9-12	626	13
Bishop O'Reilly High School	Kingston	9-12	363	13
Childrens Ark Christian Day School	Mountaintop	PK-K	132	n/a
Dallas Little People Day Care	Dallas	PK-K	37	n/a
Ebenezer Faith Christian School	Plymouth	K-12	51	7
Gate of Heaven School	Dallas	PK-8	493	20
Genesis School	Wilkes-Barre	1-12	25	13
Hazleton Trinity's Nursery & Kindergarten	Hazleton	PK-K	168	n/a
Holy Rosary Elementary School	Duryea	PK-8	238	20
Holy Spirit Academy	Hazleton	PK-6	300	19
Holy Trinity School	Hazleton	K-6	172	20
Humpty Dumpty Kollege School	Pittston	PK-K	70	n/a
I'm Big Now Learning Center	Dallas	K-5	429	n/a
Immanuel Christian School	Hazleton	K-8	85	13
Israel Ben Zion Academy	Kingston	PK-8	94	4
It's A Small World Day Care	Wilkes-Barre	PK-K	30	30
Jenny Lynn Ferraro Academy	Kingston	PK-K	53	18
Keystone Job Corp High School	Drums	11-12	600	35
Kings Kids Christian School	Wilkes-Barre	K-12	47	9
Little People Day Care	Kingston	PK-K	101	34
Little People Day Care	Wilkes-Barre	PK-K	74	15
Living Word Baptist Academy	Shickshinny	K-10	7	3
Magic Years School	Plains	PK-K	33	33
Magic Years School	Wilkes-Barre	K	10	10
MBA Academy	Wyoming	Un-graded	16	8
Milford E. Barnes Junior School	Wilkes-Barre	K-12	67	15
MMI Preparatory	Freeland	6-12	203	12
Muhlinburg Christian Academy	Hunlock Creek	PK-K	48	12
Pope John Paul II Catholic School	Nanticoke	K-8	320	21
Regis Academy	Kingston	6-8	156	14
Regis Elementary School	Kingston	PK-5	195	24
Sacred Heart Elementary School	Luzerne	PK-5	149	24
Sacred Heart of Jesus School	Dupont	PK-8	184	17
Sacred Heart School	Plains	PK-8	235	26
Seton Catholic High School	Pittston	9-12	270	13
Shining Stars School	Mountaintop	PK-K	80	n/a
St. Alonysius Elementary School	Wilkes-Barre	K-8	231	19
St. Boniface School	Wilkes-Barre	PK-8	215	22
St. Hedwig Elementary School	Kingston	PK-5	116	16
St. John The Baptist School	Pittston	K-8	200	20
St. Joseph Memorial School	Hazleton	PK-6	192	23
St. Jude School	Mountaintop	K-8	420	18
St. Mary Assumption School	Pittston	PK-8	234	21
St. Marys School	Dupont	PK-8	169	16
St. Nicolas St. Marys School	Wilkes-Barre	K-8	464	23

Table 2.5-21 Private Schools Located in Luzerne County and Columbia County

(Page 2 of 2)

County/Public School District/Schools	City/Location	Grades Taught	Number of Students	Students per FTE Teacher
St. Peter and Paul School	Plains	PK-8	204	18
The Christian Academy of Community	Sweet Valley	PK-12	39	12
The Learning Station School	Nanticoke	PK-12	109	n/a
Transfiguration School	Hazleton	PK-6	174	17
Wilkes-Barre Academy	Wilkes-Barre	PK-8	205	20
Wyoming Area Catholic School	Exeter	PK-8	228	20
Wyoming Seminary Lower School	Kingston	PK-8	430	11
Wyoming Seminary Upper School	Kingston	9-12	435	10
Wyoming Valley Montessori School	Kingston	PK-6	148	30
Wyoming Valley SDA Elementary School	Mountaintop	PK-7	11	6
Subtotals	57 schools		10,996	
Columbia County				
Bloomsburg Christian School	Bloomsburg	PK-12	79	9
Chillisquaque Valley Parc School	Bloomsburg	1-8	33	33
Christian Covenant Academy	Orangeville	K-11	41	11
Columbia County Christian School	Bloomsburg	PK-12	287	17
Greenwood Friends School	Millville	PK-6	770	9
Heritage Christian Academy	Berwick	Un-graded	24	5
Holy Family Consolidated School	Berwick	K-5	137	17
St. Columbia Elementary School	Bloomsburg	PK-5	151	17
Subtotals	8 schools		1,522	
Totals	65 schools		12,518	

Notes:

FTE = full-time equivalent

K = kindergarten

PK = pre-kindergarten

SDA = Seventh-Day Adventist

Table 2.5-22 Boat Launches in Luzerne County and Columbia County, Listed Alphabetically by City

County/Facility Name	City/Location	No. of Slips
Luzerne County		
Mountain Springs Lake	Benton	1
Ricketts Glen State Park	Benton	2
Harvey's Lake	Harvey's Lake	2
Moon Lake Park	Hunlock Creek	1
Lily Lake	Nanticoke Area	1
Susquehanna River, North Branch - Apple Tree Access	Pittston	1
Harris Pond	Sweet Valley	1
Sylvan Lake	Sweet Valley	1
Susquehanna River, North Branch - Union Township Access	West Nanticoke	1
Susquehanna River, North Branch - Hanover Township Access	Wilkes-Barre	1
Susquehanna River, North Branch - Nesbit Park Access	Wilkes-Barre	1
Francis E Walter Dam	White Haven	n/a
Frances Slocum State Park	Wyoming	2
Subtotal of Facilities: 13		15
Columbia County		
Briar Creek Lake	Berwick	1
Susquehanna River, North Branch - Test Track Park	Berwick	1
Susquehanna River, North Branch - Bloomsburg	Bloomsburg	1
Subtotal of Facilities: 3		3
Total of Facilities: 16		18

Note:n/a = not available

Table 2.5-23 Charter Boats/Fishing Guides Services in Luzerne County and Columbia County, Listed Alphabetically by City

County/Service Name	City/Location
Luzerne County	
Rays Guide Service	Dupont
Dick Ackourey and Son, Inc.	Luzerne
Jack O'Donnell	White Haven
Subtotal of Facilities: 3	
Columbia County	
Fishing Creek Angler	Benton
Slate Drake Guide Service, Inc.	Berwick
Subtotal of Facilities: 2	
Total of Facilities: 5	

Table 2.5-24 The Campgrounds and RV Parks within about 30 Mi (48 km) of Berwick, Pennsylvania

County/Campsite/RV	City/Location	Distance from Berwick		Total No. of Sites
		mi	km	
Luzerne County				
Paradise Campground Resort	Nescopeck	5.2	8.4	n/a
Council Cup Campground	Wapwallopen	9.1	14.6	165
Moyers Grove Campground	Wapwallopen	12.8	20.6	170
Whispering Pines Camping Estates	Stillwater	13.8	22.2	60
Hazleton/Wilkes-Barre KOA	Drums	15.8	25.4	100
Hidden New Lake Campground	Shickshinny	17.4	28.0	n/a
81-80 RV Park and Campground	Drums	17.5	28.2	87
Nesco Manor	Drums	17.9	28.8	n/a
Moon Lake Park	Hunlock Creek	22.6	36.4	63
Lehigh Gorge Campground	White Haven	28.8	46.3	150
Sandy Valley Campground	White Haven	30.9	49.7	113
Frances Slocum State Park	Wyoming	32.9	52.9	100
Hickory Run State Park	White Haven	33.0	53.1	381
Subtotal of Facilities: 13				1,389
Columbia County:				
Diehl's Camping Resort	Bloomsburg	11.5	18.5	200
Indian Head Campground	Bloomsburg	14.6	23.5	225
Turner's High View Camping	Bloomsburg	15.9	25.6	92
Red Rock Mountain Campground	Benton	20.0	32.2	n/a
Mt. Zion Family Campground	Catawissa	20.0	32.2	n/a
Shady Rest Campgrounds	Millville	20.4	32.8	100
Springbrook Camp Grounds	Catawissa	20.5	33.0	150
Ideal Park	Catawissa	21.1	34.0	n/a
Lake Glory Campground	Catawissa	21.2	34.1	150
J&D Campgrounds	Catawissa	21.7	34.9	245
Mill Race Golf & Camping Resort	Benton	24.8	39.9	n/a
Ricketts Glen State Park	Benton	25.4	40.9	120
Grassmere Park Campgrounds	Benton	27.5	44.3	65
Acorn Acres	Benton	28.4	45.7	100
Good's Campground	Benton	29.3	47.2	62
Subtotal of Facilities: 15				1,509
Schuylkill County				
Red Ridge Lake Campgrounds	Zion Grove	25.4	40.9	160
Tuscarora State Park	Barnesville	29.0	46.7	6
Locust Lake State Park	Barnesville	33.3	53.6	282
Subtotal of Facilities: 3				448
Northumberland County				
Knoebels Campground	Elysburg	25.5	41.0	500
Splash Magic Campground	Northumberland	33.7	54.2	220
Subtotal of Facilities: 2				720
Total of Facilities: 33				4,066

Table 2.5-25 The Property and Income Tax Rates in Luzerne County and Columbia County, 2008

Type of Tax	County		Commonwealth of Pennsylvania
	Luzerne	Columbia	
Income Tax (%)	0.0	0.0	3.07
Sales Tax (%)	0.0	0.0	6.0
Hotel Tax (%)	5.0	3.0	0.0
Property Tax (mills)			
Real Estate	25.0	6.1460	0.0
Debt Service	22.0	1.3450	0.0
Library	1.2	n/a	0.0
Community Colleges	8.0	n/a	0.0
Support of Hospitals & Poorhouses	nr	n/a	0.0
Roads & Bridges	6.0	n/a	0.0
Paarks & Playgrounds	1.0	n/a	0.0
Crimminal Justice	28.3	n/a	0.0
Human Services	3.4	n/a	0.0
Total Property Tax	94.9	7.4910	0.0
Notes:			
n/a - not applicable			
nr - not reported			
1 mill = 1/1,000 of a U.S. dollar, or one-tenth of one cent			

Table 2.5-26 The Fiscal Year 2007 Actual County Revenues and Expenditures in Luzerne County

Type of Revenue/Expenditure	Luzerne County	
	2007 Dollars	Percent
Revenues:		
Real Estate Taxes	72,398,609	51.5
Claims Taxes	13,838,930	9.8
Miscellaneous Taxes	391,062	0.0
Department Earnings	52,429,028	37.3
Court Cost and Fines	1,784,400	1.4
Total Revenues Actual 2007	140,842,029	100.0
Expenditures:		
Departmental Expenditures	142,014,064	100.0

Table 2.5-27 The Fiscal Year 2006 Actual County Revenues and Expenditures in Columbia County

Type of Revenue/Expenditure	Columbia County	
	2006 Dollars	Percent
Revenues:		
Real Estate Taxes	5,521,606	33.0
Per capita Taxes	181,582	1.1
Hotel Taxes	200,721	1.2
Federal Grants	41,672	0.3
State Grants	5,905,977	36.3
Payments In Lieu of Taxes	54,184	0.3
Departmental Earnings	2,958,647	17.7
Court Cost and Fines	247,013	1.5
Other: Tax Billings, Copies, and Other	223,093	1.3
Transfers	988,325	5.9
Interest	160,473	1.0
Rents	237,435	1.4
Total Revenues Actual 2006	16,720,728	100.0
Expenditures:		
Departmental Expenditures	16,427,359	100.0

Table 2.5-28 Major Public Water Suppliers in Luzerne County and Columbia County

County/Water Supplier ⁽¹⁾⁽²⁾	Water Source	Design Capacity		Average Production		Maximum Production	
		gpd	lpd	gpd	%	gpd	%
Luzerne County							
Freeland Borough Municipal Water Authority	GW	1,613,200	6,106,627	430,438	26.7	1,629,385	43.9
HCA Water System Filter Plant - Hazleton	SW	10,000,000	37,854,120	5,394,000	53.9	20,418,512	77.0
Pennsylvania American Water Company - Ceasetown ⁽²⁾	SW	n/a	n/a	3,500,000	n/a	13,248,942	n/a
Pennsylvania American Water Company - Crystal Lake	SW	6,000,000	22,712,472	3,420,000	57.0	12,946,109	83.3
Pennsylvania American Water Company - Huntsville ⁽³⁾	SW	n/a	n/a	n/a	n/a	n/a	n/a
Pennsylvania American Water Company - Nesbitt ⁽³⁾	SW	12,000,000	45,424,944	10,000,000	83.3	37,854,120	91.7
Pennsylvania American Water Company - Watres ⁽²⁾	SW	16,000,000	60,566,592	10,000,000	62.5	37,854,120	100.0
United Water Pennsylvania - Dallas	GW	1,566,000	5,927,955	462,000	29.5	1,748,860	36.3
Subtotal		47,179,200	178,592,710	33,206,438	70.4	125,700,049	104.8
Columbia County							
Pennsylvania American Water Company - Berwick	GW	4,600,000	17,412,895	1,739,000	37.8	6,582,831	53.8
United Water Pennsylvania - Bloomsburg	SW	4,147,200	15,698,861	2,581,000	62.2	9,770,148	83.9
Subtotal		8,747,200	33,111,756	4,320,000	49.4	16,352,980	68.1
Total		55,926,400	211,704,466	37,526,438	67.1	142,053,029	99.0

Notes:

GW = groundwater

SW = surface water

gpd = gallons per day

lpd = liters per day

n/a = not applicable or no information available

(1) Municipal water suppliers serving populations greater than 4,500.

(2) Ceasetown and Watres are part of the same water system.

(3) Huntsville and Nesbitt are part of the same water system.

Table 2.5-29 Environmental Protection Agency Safe Drinking Water Information System, Luzerne County and Columbia County

(Page 1 of 2)

County/Water System Name	Population Served	Primary Water Source Type
Luzerne County		
Community Water Systems: Water Systems that serve the same people year-round (e.g. in homes or businesses).		
Aqua PA Applewood	82	Groundwater
Aqua PA Barrett	150	Groundwater
Aqua PA Fieldcrest	110	Groundwater
Aqua PA Forest Park	335	Groundwater
Aqua PA Garbush	160	Groundwater
Aqua PA Greenbriar	28	Groundwater
Aqua PA Hex Acres	278	Groundwater
Aqua PA Laurel Lakes Village	380	Groundwater
Aqua PA Midway System	1,793	Groundwater
Aqua PA Oakhill	486	Groundwater
Aqua PA Penn Lake	70	Groundwater
Aqua PA Rhodes Terrace	50	Groundwater
Aqua PA Shickshinny Apache	140	Groundwater
Aqua PA Shickshinny Lake	126	Groundwater
Aqua PA St. Johns Estates	75	Groundwater
Aqua PA Sunrise Estates	162	Groundwater
Aqua PA Tambur	110	Groundwater
Aqua PA Wapwallopen	239	Groundwater
Aqua PA Warden Place	275	Groundwater
Aqua PA White Haven	1,200	Groundwater
Chase Manor Water Association	95	Groundwater
Conyngham Water Company	1,932	Groundwater
Freeland Borough Municipal Water Authority	4,610	Groundwater
Indian Springs Water Company	133	Groundwater
Orchard East Water Association	100	Groundwater
Orchard West Water Association	90	Groundwater
Overbrook Water Company	298	Groundwater
Pennsylvania American Water Company Hillcrest	125	Groundwater
Pennsylvania American Water Company Homesite	55	Groundwater
United Water PA Dallas	5,113	Groundwater
United Water PA Harveys Lake	200	Groundwater
United Water PA Shavertown	3,035	Groundwater
HCA Roan Filter Plant	40,620	Surface Water
Pennsylvania American Water Company Ceasetown	63,198	Surface Water
Pennsylvania American Water Company Crystal Lake	9,535	Surface Water
Pennsylvania American Water Company Huntsville	10,800	Surface Water
Pennsylvania American Water Company Nesbitt	58,278	Surface Water
Pennsylvania American Water Company Watres	51,978	Surface Water
Stockton Water System	90	Surface Water
Subtotal	256,534	
Others:	14,326	550 via groundwater
	185	2 via Purchase of Groundwater
Subtotal	14,511	
Total	271,045	

Table 2.5-29 Environmental Protection Agency Safe Drinking Water Information System, Luzerne County and Columbia County

(Page 2 of 2)

County/Water System Name	Population Served	Primary Water Source Type
Non-Transient Non-Community Water Systems: Water Systems that serve the same people, but not year-round (e.g. schools that have their own water system).		
Subtotal	21,802	32 via Groundwater
Subtotal	50	1 via Purchase of Surface Water
Total	21,852	
Transient Non-Community Water Systems: Water Systems that do not consistently serve the same people (e.g. rest stops, campgrounds, gas stations).		
Total	26,330	192 via Groundwater
Columbia County		
Community Water Systems: Water Systems that serve the same people year-round (e.g. in homes or businesses).		
Catawissa Municipal Water Authority	1,580	Groundwater
Mifflin Twp Ma	900	Groundwater
Orangeville Municipal Water Authority	480	Groundwater
Pa American Water Berwick	16,000	Groundwater
United Water PA Col Co Ind Pk	138	Groundwater
Wonderview Water Company	320	Groundwater
Benton Municipal Water Authority	1,100	Groundwater under the influence of surface water
Millville Municipal Authority	969	Groundwater under the influence of surface water
United Water PA Bloomsburg Op	21,500	Surface water
Subtotal	42,987	
Others:		
Subtotal	1,721	Groundwater
Total	44,708	
Non-Transient Non-Community Water Systems: Water Systems that serve the same people, but not year-round (e.g. schools that have their own water system).		
Subtotal	6,553	16 via Groundwater
Subtotal	30	1 via Purchase of surface water
Total	6,583	
Transient Non-Community Water Systems: Water Systems that do not consistently serve the same people (e.g. rest stops, campgrounds, gas stations).		
Total	4,618	81 via Groundwater

Table 2.5-30 Sewer Districts/Systems in Luzerne County and Columbia County

County/Sewer System	Capacity	
	gallons per day (gpd)	liters per minute (lpm)
Luzerne County		
Wyoming Valley Sanitary Authority	32.0 million	84,120
Greater Hazleton Joint Sewer Authority	8.9 million	23,396
Mountaintop Area Joint Sewer Authority	4.16 million	10,936
Lower Lackawanna Valley Sanitary Authority	6.0 million	15,773
Shickshinny Sewer Authority	0.45 million	1,183
Conyngham Borough Authority	0.35 million	920
Nescopeck Sewer Authority	0.11 million	289
Freeland Sewer Authority	0.75 million	1,972
Butler Township Sewer Authority	10 million	26,288
Subtotals - 9 facilities		
Columbia County		
Berwick Area Joint Sewer Authority	3.64 million	9,569
Catawissa Borough Sewer Authority	0.2 million	526
Millville Borough Sewer Authority	0.3 million	789
Bloomsburg Municipal Authority	4.29 million	11,277
Greenwood Township Municipal Authority	0.0075 million	20
Orange Township Sewer Authority	0.013 million	34
Hemlock Township Municipal Sewer Coop	0.3 million	789
Madison Township Municipal Authority	0.02 million	53
Benton Borough Municipal Water and Sewer Authority	0.132 million	347
Orangeville Borough Water Authority	0.07 million	184
Montour Township Authority	0.1 million	263
North Centre Township Authority	0.0004 million	1
Locust Township Municipal Authority	0.05 million	131
Subtotals - 13 facilities		
Totals - 22 facilities		

Table 2.5-31 Fire/EMS Departments in Luzerne County and Columbia County

(Page 1 of 4)

County/Fire Department Name	City/Location	Department Type	Organization Type	Number of Stations	Active FF - Career/Volunteer/Paid per Call	Non-FF - Civilian/Volunteer
Luzerne County						
Avoca Fire Department	Avoca	V	L	1	25	0
Bear Creek Township Volunteer Hose Company	Bear Creek	V	L	2	15	10
Butler Township Fire Company	Drums	V	L	1	45	20
Courtdale Volunteer Hose Company	Courtdale	V	L	1	18	4
Dallas Fire & Ambulance, Inc	Dallas	V	L	1	25	1
Dennison Township Volunteer Fire Company	White Haven	V	L	1	12	5
Dorrance Township Volunteer Fire Department	Wapwallopen	V	L	1	30	20
Dupont Volunteer Hose Company #1	Dupont	V	L	1	40	0
Edwardsville Fire Department	Edwardsville	MV	L	1	48	14
Elm Hill Hose Company #3	Plymouth	MV	L	3	43	15
Excelsior Hose Company #2	Duryea	V	L	1	28	20
Exeter Hose Company #1	Exeter	V	L	1	40	0
Exeter Park Volunteer Hose Company	Exeter	V	L	1	57	8
Fairmount Township Volunteer Fire & Ambulance Company	Sweet Valley	V	L	1	9	21
Fearnots Volunteer Fire Company	Freeland	V	L	1	20	0
Forty Fort Fire Department	Forty Fort	MV	L	1	34	5
Franklin Township Volunteer Fire Company	Dallas	V	L	1	10	3
Freeland Fire Department	Freeland	V	L	1	48	40
Germania Hose Company	Duryea	V	L	1	45	0
Goodwill Hose Company #2	Plymouth	MV	L	1	17	4
Hanover TWP Fire Department	Wilkes-Barre	MV	L	6	218	30
Harveys Lake Fire & Ambulance Company	Harveys Lake	V	L	1	18	25
Harwood Volunteer Fire Department	Hazleton	V	L	1	35	25
Hazle Township Volunteer Fire & Rescue Company	Harleigh	V	L	2	55	30
Hazleton Fire Department	Hazleton	MV	L	3	66	100
Hughestown Hose Company #1	Hughestown	V	L	1	34	21
Hunlock Creek Volunteer Fire Company	Hunlock Creek	V	L	1	30	10
Huntington Valley Volunteer Fire Company	Huntington Mills	V	L	1	25	6
Jackson Township Volunteer Fire Department	Shavertown	V	L	1	18	8
Jenkins Township Volunteer Hose Company	Pittston	MV	L	1	23	40

Table 2.5-31 Fire/EMS Departments in Luzerne County and Columbia County
(Page 2 of 4)

County/Fire Department Name	City/Location	Department Type	Organization Type	Number of Stations	Active FF - Career/Volunteer/Paid per Call	Non-FF - Civilian/Volunteer
Kingston Fire Department	Kingston	MV	L	2	69	0
Kunkle Fire Company, Inc	Dallas	V	L	1	32	15
Larksville Volunteer Fire Company #1	Larksville	MV	L	1	24	0
Mocanaqua Volunteer Fire Company #1, Inc	Mocanaqua	V	L	1	40	0
Mountaintop Hose Company 1	Mountaintop	V	L	1	31	0
Nanicoke City Fire Department	Nanicoke	MV	L	5	60	0
Nescopeck Township Volunteer Fire Company #1, Inc	Nescopeck	V	L	1	20	17
Nescopeck Volunteer Fire Company #1	Nescopeck	V	L	1	20	130
Newport Township Fire Department	Nanicoke	MV	L	1	53	0
Nuangola Volunteer Fire Department	Nuangola	V	L	1	30	20
Nuremberg Weston Volunteer Fire Department	Weston	V	L	1	35	20
Pittston City Fire Department	Pittston	MV	L	1	55	0
Pittston Township Volunteer Fire Department	Pittston	MV	L	2	17	46
Plains Township Fire Department	Plains	MC	L	2	23	0
Pond Hill-Lily Lake Fire Company	Wapwallopen	V	L	1	17	6
Port Trevorton Fire Company	Port Trevorton	V	L	1	22	25
Pringle Volunteer Fire Department	Pringle	V	L	1	25	0
Rescue Hose Company #1	Ashley	V	L	1	30	0
Rice Township Volunteer Fire Department	Mountain Top	V	L	1	12	5
Salem Township Volunteer Fire Company	Luzerne	V	L	1	12	5
Shades Creek Volunteer Fire Company, Inc	White Haven	V	L	1	10	1
Shavertown Volunteer Fire Department	Shavertown	V	L	1	35	0
Shickshinny Volunteer Fire Company, Inc	Shickshinny	V	L	1	20	15
Slocum Twp Volunteer Fire Company	Wapwallopen	V	L	1	32	15
Sugar Notch Fire and Hose Company #1	Sugar Notch	V	L	1	20	0
Sugarloaf Fire Company, Inc	Sybertsville	V	L	1	53	87
Sweet Valley Volunteer Fire Company	Sweet Valley	V	L	1	25	10
The Volunteer Fire Department of Luzerne	Luzerne	V	L	1	30	3
Trucksville Volunteer Fire Company	Trucksville	V	L	1	25	10
Warrior Run Borough Volunteer Fire Company	Warrior Run	V	L	1	15	0
West Hazleton Fire Department	West Hazleton	MV	L	1	37	0

Table 2.5-31 Fire/EMS Departments in Luzerne County and Columbia County
(Page 3 of 4)

County/Fire Department Name	City/Location	Department Type	Organization Type	Number of Stations	Active FF - Career/Volunteer/Paid per Call	Non-FF - Civilian/Volunteer
West Wyoming Hose Company	West Wyoming	V	L	2	30	0
White Haven Fire Company #1	White Haven	V	L	1	30	20
Wilkes Barre Township Volunteer Fire Department	Wilkes-Barre	V	L	1	28	20
Wilkes-Barre City Fire Dept EMS	Wilkes-Barre	C	L	1	88	10
Wright Township Volunteer Firemans Association	Mountain Top	V	L	1	30	0
Wyoming Hose Company #1	Wyoming	V	L	1	35	5
Wyoming Volunteer Hose Company #2	Wyoming	V	L	1	90	0
Subtotals: 68 Departments				87	2,391	970
Columbia County						
Aristes Fire Company	Aristes	V	L	1	20	8
Beaver Township Volunteer Fire Company	Bloomsburg	V	L	1	15	16
Benton Volunteer Fire Company	Benton	V	L	1	30	6
Bloomsburg Fire Department, Inc	Bloomsburg	V	L	1	100	25
Buckhorn Community Volunteer Fire Company #1	Bloomsburg	V	L	1	30	20
Catawissa Hose Company #1	Catawissa	V	L	1	30	26
Defender Fire Company	Berwick	V	L	1	75	0
Eagle Hose Company #2	Berwick	V	L	1	125	0
East Berwick Hose Company #2	Berwick	V	L	1	20	10
Espy Fire Company 1	Bloomsburg	V	L	1	38	14
Fernville Volunteer Fire Company	Bloomsburg	V	L	1	30	23
Main Township Volunteer Fire Company	Bloomsburg	V	L	1	15	5
Mifflin Township Forest Rangers & Fire Company No. 1	Mifflinville	V	L	1	15	12
Millville Community Fire Company	Millville	V	L	1	50	0
Montour Township Fire Department	Bloomsburg	V	L	1	20	6
North Mountain Fire Company	Benton	V	L	1	12	17
Orangeville Community Fire Company	Orangeville	V	L	1	25	20
PPL Susquehanna Fire Brigade	Berwick	V	Private or industrial fire brigade	1	150	0
Ranger Hose Company #2	Berwick	V	L	1	25	30
Reliance Fire Company #1	Berwick	V	L	5	70	0

Table 2.5-31 Fire/EMS Departments in Luzerne County and Columbia County
(Page 4 of 4)

County/Fire Department Name	City/Location	Department Type	Organization Type	Number of Stations	Active FF - Career/Volunteer/Paid per Call	Non-FF - Civilian/Volunteer
Summerhill Fire Company	Berwick	V	L	1	25	35
Valley Chemical Fire Company	Numidia	V	L	1	27	80
Wilburton Hose Company #1	Wilburton	V	L	1	20	0
Subtotals: 23 Departments				27	967	353
Total				114	3,358	1,323

Notes:

- V = Volunteer
- C = Career
- MC = Mostly Career
- MV = Mostly Volunteer
- L = Local
- CY = calendar year

Table 2.5-32 Assessment of Archeological Potential for BBNPP Phase Ia Project APE

Area	Total Acres (ac (ha))	High-Moderate Potential Acres of Area ⁽¹⁾ (ac (ha))%	Low Potential Acres of Area (ac (ha))%	Disturbed/No Potential Acres of Area (ac (ha))%
Southeast Alternative	353 (143)	102 (41) 28.8%	246 (100) 69.7%	5 (2) 1.4%
West Alternative				
A (A1A-SW Unit)	153 (62)	86 (35) 56.2%	67 (27) 43.8%	0
B (A1B-W 1 Unit)	255 (103)	138 (56) 54.1%	55 (22) 21.6%	62 (25) 24.3%
C (A1A+A1B-W 2 Units)	408 (165)	224 (91) 54.9%	122 (49) 29.9%	62 (25) 15.2%
Area 6	174 (70)	87.9 (36) 50.5%	37.4 (15) 21.5%	48.3 (20) 27.8%
Area 7	38 (15)	34.1 (14) 89.7%	0.2 (0.1) 0.5%	3.2 (1) 8.4%
Area 8	272 (110)	103.1 (42) 37.9%	34.1 (14) 12.5%	135.2 (55) 49.7%
Confers Lane	27 (11)	10.9 (4) 39.8%	6.6 (3) 24.1%	9.9 (4) 36.1%
Subtotal (Areas 6-8, Confers)	511 (207)	236 (96) 46.2%	78 (32) 15.3%	197 (80) 38.6%
Total	1,272 (515)	562 (227) 44.2%	446 (181) 35.1%	264 (107) 20.7%
Note:				
(1) Floodplain/low terrace settings on both sides of Susquehanna River have high to moderate potential for both near-surface and deeply buried archeological sites; Upland settings have high to moderate potential for near-surface archeological sites.				

Table 2.5-33 Summary of Previously Surveyed Archeological Sites Identified in the Project APE Along the West Bank of the Susquehanna River

Site Number	Site Name	Location in APE	Landform	Site Type	Age ⁽¹⁾	Recommended NRHP Status
36LU0015	SES-3	Area 8	Floodplain	Prehistoric Open	A,LA	Eligible
36LU0016	SES-6	Area 8	Floodplain	Prehistoric Open	A,LA,EW,MW,LW	Eligible
36LU0048	SES-16	Area 8	Floodplain	Prehistoric Open	Unknown Prehistory	Undetermined
36LU0049	SES-8	Area 8	Floodplain	Prehistoric Open	A,LA,Tr,W,EW,LW	Eligible
36LU0050	SES-10	Area 8	Floodplain	Prehistoric Open	A,LA	Not Eligible
36LU0051	SES-11	Area 7	Floodplain	Prehistoric Open	W,LW	Eligible

Note:

(1) A = Archaic; EA = Early Archaic; MA = Middle Archaic; LA = Late Archaic; W = Woodland; EW = Early Woodland; MW = Middle Woodland; LW = Late Woodland; Tr = Transitional

Table 2.5-34 Previously Recorded Architectural Resources within the 0.5 mi (0.8 km) Radius of the Proposed Project

Resource Number	Name	Resource Type	Date	Township	Within APE?	Current NRHP* Status
086527	Union Reformed & Lutheran Church (Old River Church)	Church	1833	Conyngham	No, located in Southeast Alternative east of river	Undetermined
092644	L.R. 40028 Bridge	Bridge	Unknown	Salem	No	Not Eligible
135679	SR 239 Bridge	Bridge	1940	Conyngham	No	Not Eligible
135820	SR 7228 Bridge	Bridge	1937	Salem	No	Not Eligible
141673	North Branch Canal; Wyoming Canal Co; Pennsylvania Canal Co	Canal and Locks	1828, 1831	Salem	Yes, west bank floodplain	Eligible

* National Register of Historic Places

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Table 2.5-37 Summary of Identified Archeological Sites in Phase Ib Project APE

Site #	Area	Landform	Setting	Prehist Art.	Hist Art.	Site Type	Age	NRHP ⁽¹⁾ Eligibility Recommendations
Site 1	West Alt	Upland hill slope	Plowed field	2	--	Lithic scatter	Unknown Prehistoric	Not Eligible
Site 2	West Alt	Upland flat	Plowed field	--	147	Historic artifact scatter	Early to mid 19th century	Potentially Eligible, Criterion D
Site 3	West Alt	Upland flat	Plowed field	--	101	Historic artifact scatter	Late 19th to mid 20th century	Potentially Eligible, Criterion D
Site 4	West Alt	Upland flat	Plowed field	--	369	Historic artifact scatter	Early to mid 19th century and Early to mid 20th century	Potentially Eligible, Criterion D
Site 5	Area 7	Terrace/ Floodplain	Plowed field	48	35	Lithic scatter	EA, LA, EW ⁽²⁾	Potentially Eligible, Criterion D
Site 6	West Alt	Upland flat	Plowed field	2	--	Lithic scatter	Unknown Prehistoric	Not Eligible
Site 7	West Alt	Upland flat	Sparse woods/ brush	--	363	Farmstead (artifact scatter/foundations)	Late 19th to late 20th century	Potentially Eligible, Criterion D
Site 8	West Alt	Upland flat	Wooded	--	147	Historic artifact scatter/ possible foundation depression	Mid to late 20th century	Not Eligible
Site 9	West Alt	Upland flat	Sparse trees brush/ grassy field	2	71	Historic artifact scatter/ possible foundation depression	19th century	Potentially Eligible, Criterion D
Site 10	West Alt	Upland flat	Open field	--	208	Farmstead (artifact scatter/foundations)	Mid 19th to 20th century	Potentially Eligible, Criterion D
Site 11	West Alt	Upland flat	Wooded	--	23	Historic artifact scatter	19th century	Not Eligible
Total				54	1,464			7 potentially eligible; 4 not eligible

Notes:

(1) NRHP-National Register of Historic Places
 (2) EA=Early Archaic; LA=Late Archaic; EW=Early Woodland

Table 2.5-38 Summary of Identified Isolated Finds in Phase Ib Project APE

IF #	Area	Section	Setting	Age	Description	Recommended NRHP Eligibility
IF 1	West Alt.	1	Upland	Unknown Prehistoric	1 proj. point	NE
IF 2	West Alt.	6	Upland	Early Archaic	1 proj. point	NE
IF 3	West Alt.	6	Upland	Early Archaic	1 proj. point	NE
IF 4	West Alt.	6	Upland	Middle to Late Archaic	1 proj. point	NE
IF 5	West Alt.	6	Upland	Early Archaic	1 proj. point	NE
IF 6	West Alt.	3	Upland	Unknown Prehistoric	1 debitage	NE
IF 7	West Alt.	3	Upland	Unknown Prehistoric	1 utilized flake	NE
IF 8	West Alt.	3	Upland	Unknown Prehistoric	1 debitage	NE
IF 9	West Alt.	3	Upland	Unknown Prehistoric	1 retouched flake	NE
IF 10	West Alt.	6	Upland	Unknown Prehistoric	1 proj. point	NE
IF 11	West Alt.	7	Upland	Late Archaic	1 proj. point	NE
IF 12	West Alt.	7	Upland	Unknown Prehistoric	1 proj. point	NE
IF 13	DELETED					
IF 14	West Alt.	7	Upland	Unknown Prehistoric	1 debitage	NE
IF 15	West Alt.	12	Upland	Early Archaic	1 proj. point	NE
IF 16	Area 6	3	Upland	Unknown Prehistoric	1 biface	NE
IF 17	Area 7	2	Low Terrace/ Floodplain	Unknown Prehistoric	1 debitage	NE
IF 18	Area 7	2	Low Terrace/ Floodplain	Unknown Prehistoric	1 biface	NE
IF 19	Area 7	2	Low Terrace/ Floodplain	Unknown Prehistoric	1 debitage	NE
IF 20	Area 7	2	Low Terrace/ Floodplain	Unknown Prehistoric	1 biface	NE
IF 21	Area 7	2	Low Terrace/ Floodplain	Unknown Prehistoric	1 debitage	NE
IF 22	West Alt.	17	Upland	Unknown Prehistoric	1 debitage	NE
IF 23	West Alt.	29	Upland	Unknown Prehistoric	1 debitage	NE
IF 24	West Alt.	1	Upland	Unknown Prehistoric	1 debitage	NE
IF 25	West Alt.	1	Upland	Unknown Prehistoric	1 debitage	NE
IF 26	West Alt.	1	Upland	Unknown Prehistoric	1 debitage	NE
IF 27	West Alt.	1	Upland	Unknown Prehistoric	1 proj. point	NE
*NRHP=National Register of Historic Places; NE=Not Eligible; Note IF #13 has been deleted.						

Table 2.5-39 Summary of Potentially NRHP-Eligible Archeological Sites in Phase Ib Project APE

Site #	Site Type	Age	NRHP ⁽¹⁾ Eligibility Recommendation	Recommended Action
Site 2	Historic Artifact Scatter	Early to mid 19th century	Potentially Eligible, Criterion D	Avoid/Phase II
Site 3	Historic Artifact Scatter	Late 19th to mid 20th century	Potentially Eligible, Criterion D	Avoid/Phase II
Site 4	Historic Artifact Scatter	Early to mid 19th century and Early to mid 20th century	Potentially Eligible, Criterion D	Avoid/Phase II
Site 5	Prehistoric Lithic Scatter	Early Archaic, Late Archaic, Early Woodland	Potentially Eligible, Criterion D	Avoid/Phase II
Site 7	Farmstead (Historic Artifact Scatter/ Foundations)	Late 19th to late 20th century	Potentially Eligible, Criterion D	Avoid/Phase II
Site 9	Historic Artifact Scatter/ Possible Foundation Depression	19th Century	Potentially Eligible, Criterion D	Avoid/Phase II
Site 10	Farmstead (Historic Artifact Scatter/ Foundations)	Mid 19th to 20th century	Potentially Eligible, Criterion D	Avoid/Phase II
Note: (1) National Register of Historic Places				

Table 2.5-40 Summary of NRHP-Eligible Architectural and Historical Resources in Phase Ib Project Footprint

ID No.	Name	Address	Style and Type	Date	NRHP ⁽¹⁾ Eligibility Recommendation
GAI-10 (141673)	North Branch Pennsylvania Canal	Along Susquehanna River, US Rt. 11 Vicinity, Salem Twp	Vernacular Canal	1828	Eligible, Criteria A and C
GAI-11	Canadian Pacific/ Bloomsburg Division of the Delaware, Lackawanna & Western Railway	Along Susquehanna River, US Rt. 11 Vicinity, Salem Twp	Vernacular Railroad	1858	Eligible, Criterion A
GAI-12	Susquehanna and Tioga Turnpike	US Rt. 11, Salem Twp	Vernacular Highway	1807-1810	Eligible, Criterion A
Note (1) National Register of Historic Places					

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Table 2.5-43 Summary of Identified Cultural Resources by NRHP Eligibility Status

Location	NRHP-Listed	NRHP-Eligible	NRHP-Ineligible	NRHP-Undetermined	Unmapped	Total
Columbia County	4	13	27	392	23	459
Beaver Township			1	1		2
Berwick Borough	2	4	4	325	6	341
Briar Creek Borough		5	2	12	2	21
Briar Creek Township			12		2	14
Fishing Creek Township	1		3	1	12	17
Mifflin Township		3	2	46	1	52
North Centre Township	1		2			3
South Centre Township		1	1	5		7
Sugarloaf Township				2		2
Luzerne County	3	38	98	102	20	261
Black Creek Township		1	6	3	1	11
Butler Township	1		8	11	1	21
Conyngam Borough			2		1	3
Conyngam Township			6	17	6	29
Dorrance Township			11	13		25
Hazle Township				1	1	2
Hollenback Township		6	2	1		9
Hunlock Township		2	9	6	2	19
Huntington Township	1	9	7	7	3	27
Nescopeck Borough			1			1
Nescopeck Township	1	4	2	5	1	13
New Columbus Borough			3	5	1	9
Newport Township		2	12	2		16
Nuangola Borough				6		6
Rice Township		2				2
Ross Township		1		1	1	3
Salem Township		6	10	10		26
Shickshinny Borough			3			3
Slocum Township				1		1
Sugarloaf Township		4	8	8	1	21
Union Township		1	6	5	1	13
Wright Township			2			2
Schuylkill County			1		2	3
North Union Township			1		2	3

Table 2.5-44 NRHP-Listed Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (7 Records)

Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H ⁽¹⁾	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
Columbia County (4 records)											
Berwick Borough (2 records)											
77423	77329	Jackson Mansion & Carriage House / Berwick City Hall	Building	Berwick	H	1860-1879	Second Empire, Stone	Public-local	Borough of Berwick	Listed	yes
96444	96345	Brigadier General Edward L. Davis / Berwick Armory	Building	Berwick	H	1922-1940	Craftsman, Tudor Revival, brick	Public-state	Pennsylvania National Guard Armories	Listed	yes
Fishing Creek Township (1 record)											
122	122	Bridge in Fishing Creek Township	Bridge	NA	H	1915	LR 19078 over Little Pine Creek, Bendertown, concrete			Listed	yes
North Centre Township (1 record)											
379	379	Fowlersville Covered Bridge	Bridge	Mifflinville	H	1886	Truss, Wood	Public-local	N. Center Twp. Village of Fowlersville	Listed	yes
Luzerne County (3 records)											
Butler Township (1 record)											
119128	112050	Luzerne County Fresh Air Camp	Building	NA	H	1927	Wood			Listed	Yes
Huntington Township (1 record)											
912	894	Bittenbenders' Covered Bridge	Bridge	Shickshinny	H	1800-1899	Queen post truss, wood		Multiple	Listed	yes
Nescopeck Township (1 record)											
50960	50866	Evans, Benjamin, House	Building	NA	H	1800-1899	Weatherboard	Private	Individual	Listed	yes

Note:

(1) P = Prehistoric, H = Historic

Table 2.5-45 NRHP-Eligible Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (51 Records)
(Page 1 of 4)

Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
Columbia County (13 records)											
Berwick Borough (4 records)											
20528	20437	Chestnut Street School	Building	NA	H	1911	Brick			Eligible	yes
20531	20440	Market Street School	Building	Berwick	H	1860-1879	Italianate, Brick	Public-local	Berwick School District	Eligible	yes
20563	20472	Schain's Department Store	Building	Berwick	H	1889-1919	Vernacular Victorian Romanesque, Brick	Private-Public	Individual	Eligible	yes
141673	128433	North Branch Canal (Pennsylvania Canal Company, Wyoming Canal Company)	District	Berwick	H	1828, 1831	Canal and Locks			Eligible	yes
Briar Creek Borough (5 records)											
110379	108278	Briar Creek School/ Boroughhall	Building	Mifflinville	H	1900-1919	Vernacular Pa Country School, Frame	Public-local	Briar Creek Borough	Eligible	yes
36Co0026	NA	The Hosler Historic Site	Archeological Site	Berwick	H	Hist	Historic Domestic	unknown		Eligible	Not evaluated
36Co0027	NA	The Woodin/Eaton Foundry Site	Archeological Site	Berwick	H	19thC Historic	Industrial	unknown		Eligible	Not evaluated
36Co0028	NA	The Martz Farm Site	Archeological Site	Mifflinville	P/H	P, Late 18th to 19thC Historic	Open Prehistoric and Historic	Barbara A Kurian and Cynthia Malisa		Eligible	Not evaluated
36Co0029	NA	The Martzville Road Historic Site	Archeological Site	Mifflinville	H	19thC Historic	Historic Domestic	Michael and Tina Gray		Eligible	Not evaluated
Mifflin Township (3 records)											
21285	21194	Exchange Hotel/Ye Olde Hotel	Building	Mifflinville	H	1860-1879	Frame Vernacular	Private	Individual	Eligible	yes
21291	21200	Patriotic Sons of America, Washington Camp No. 684/ German School	Building	Mifflinville	H	1860-1879	Brick Greek Revival	Public-local	Mifflinville Town Lot	Eligible	yes
36Co0018	NA	Mifflinville Bridge A	Archeological Site	Mifflinville	P	Unknown Prehistoric	Lithic Reduction	Mifflin Township		Eligible	Not evaluated

Table 2.5-45 NRHP-Eligible Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (51 Records)
(Page 2 of 4)

Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
South Centre Township (1 records)											
36Co0017	NA	Mifflinville Bridge Z	Archeological Site	Mifflinville	P	Unknown Prehistoric	Open Prehistoric, Unknown Function	Mr. William F. Seesholtz Jr.		Eligible	Not evaluated
Luzerne County (38 records)											
Black Creek Township (1 record)											
113879	110081	Mountain Grove School/ Trinity Lutheran "Church House"	Building	Nuremberg	H	1881	L19th-20thC Revival, Vernacular Country School, weatherboard	Private	Trinity Lutheran Church	Eligible	yes
Hollenback Township (6 records)											
95049	94953	Bridge No. 45802	Structure	Sybertsville	H	unknown	Truss, concrete	Public-local	Hollenback Twp	Eligible	yes
95052	94956	Bridge No. 45810	Structure	Sybertsville	H	unknown	Truss, concrete	Public-local	Hollenback Twp	Eligible	yes
135731	122468	none	Bridge	NA	H	1895	Metal			Eligible	yes
135733	122470	none	Bridge	NA	H	1908	Steel			Eligible	yes
NA	BMS 407215037 55802	TR 375 Over Hollenback Creek	Bridge	Sybertsville	H	1908	Pony Truss, Warren, Steel	Public-local	Luzerne County	Eligible	yes
NA	BMS 407215039 25810	TR 392 Over Wapwallopen Creek	Bridge	Sybertsville	H	1895ca	Pony Truss, Pratt, Metal	Public-local	Luzerne County	Eligible	yes
Hunlock Township (2 records)											
105179	105078	Retreat State Correctional Inst. Entrance Bridge	Bridge	NA	H	1900-1930	unknown			Eligible	yes
NA	BMS 407216180 90001	Retreat Access Rd Over Susquehanna River	Bridge	Nanticoke	H	1910ca	Thru Truss, Steel	Public-local	Department of General Services	Eligible	Yes
Huntington Township (9 records)											
95048	94952	Bridge No. 46018	Structure	NA	H	NA	Concrete			Eligible	yes
95056	94960	Bridge No. 46016	Structure	Shickshinny	H	1891	Truss, Continuous, concrete	Public-local	Huntington Twp	Eligible	yes
95057	94961	Bridge No. 16007	Bridge	Shickshinny	H	1887	Truss, Continuous, concrete	Public-local	Huntington Twp	Eligible	yes

Table 2.5-45 NRHP-Eligible Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (51 Records)
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Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
135745	122482	none	Bridge	NA	H	1895	Metal			Eligible	yes
135746	122483	none	Bridge	NA	H	1890	Metal			Eligible	yes
NA	BMS 407217045 16016	T-451 Over Huntington Creek	Bridge	NA	H	1891 (altered 1950)	unknown	Public-local	Luzerne County	Eligible	yes
NA	BMS 407217047 26018	TR 472 Over Huntington Creek	Bridge	Shickshinny	H	1890 (altered 1940)	Pony Truss, Pratt, Metal	Public-local	Luzerne County	Eligible	yes
NA	BMS 407217048 26006	TR 482 Over Huntington Creek	Bridge	NA	H	1910	Pony Truss, Pratt, Steel	Public-local	Luzerne County	Eligible	yes
NA	BMS 407217050 46002	TR 504 Over Huntington Creek	Bridge	Stillwater	H	1895ca	Closed Spandrel Arch, Deck, Stone	Public-local	Luzerne County	Eligible	Yes
Nescopeck Township (4 records)											
95054	94958	Bridge No. 46003	Structure	Berwick	H	1920	Arch, masonry	Public-local	Nescopeck Twp	Eligible	yes
135784	122521	none	Bridge	NA	H	1883	Wrought Iron			Eligible	yes
135785	122522	none	Bridge	NA	H	1889	Wrought Iron			Eligible	yes
NA	BMS 407223037 66603	TR 376 Over Nescopeck Creek	Bridge	NA	H	1909	Closed Spandrel Arch, Deck, Stone	Public-local	Luzerne County	Eligible	yes
Newport Township (2 records)											
106142	106040	none	Building	Nanticoke	H	NA	unknown	Private	Individual	Eligible	yes
144081	132284	Holy Child Church, St. Stanislaus Institute	Building	NA	H	1918	Brick			Eligible	yes
Rice Township (2 records)											
36Lu0272	NA	Pump House Site	Archeological Site	Wilksbarre W	P	LA	Open Prehistoric, Unknown Function			Eligible	Not evaluated
36Lu0273	NA	Earth Conservation 1	Archeological Site	Wilksbarre W	P	LA	Open Prehistoric, Unknown Function	unknown		Eligible	Not evaluated
Ross Township (1 record)											

Table 2.5-45 NRHP-Eligible Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (51 Records)
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Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
NA	BMS 407227057 57009	TR 575 Over Huntington Creek	Bridge	NA	H	1895ca	Pony Truss, Pratt, Steel	Public-local	Luzerne County	Eligible	yes
Salem Township (6 records)											
36Lu0015	NA	SES-3	Archeological Site	Berwick	P	A, LA	Open Habitation, Prehistoric	P.P. and L		Eligible	yes
36Lu0016	NA	SES-6	Archeological Site	Berwick	P	A, LA, EW, MW, LW	Open Habitation, Prehistoric	P.P. and L		Eligible	yes
36Lu0049	NA	SES-8	Archeological Site	Berwick	P	A, LA, Tr, W, EW, LW	Open Habitation, Prehistoric	P.P. and L		Eligible	yes
36Lu0051	NA	SES-11	Archeological Site	Berwick	P	W, LW	Open Habitation, Prehistoric	P.P. and L		Eligible	yes
36Lu0191	NA	none	Archeological Site	Berwick	P	LA, Tr	Camp Site	B.I.P. Inc.		Eligible	yes
36Lu0270	NA	Beach Haven I	Archeological Site	Berwick	P	LA, Tr	Open Prehistoric, Unknown Function	unknown		Eligible	yes
Sugarloaf Township (4 records)											
95055	94959	Bridge No. 57310, Nescopeck Creek Bridge	Structure	Sybertsville	H	NA	Concrete	Public-local	Sugarloaf Twp	Eligible	Yes
135825	122562	none	Bridge	NA	H	1912	Concrete			Eligible	yes
135828	122565	none	Bridge	NA	H	1927	Steel			Eligible	yes
NA	BMS 407230034 07310	TR 340 Over Nescopeck Creek	Bridge	Sybertsville	H	1927	Thru Truss, Pratt, Steel	Public-local	Luzerne County	Eligible	yes
Union Township (1 record)											
120446	112495	Harrison, Joseph Henderson, House	Building	Shickshinny	H	1860-1900	Vernacular, Greek Revival, brick	Private	Individual	Eligible	yes

* P = Prehistoric, H = Historic

** P=Prehistoric; H=Historic A=Archaic; EA=Early Archaic; MA=Middle Archaic; LA=Late Archaic; Tr=Transitional Archaic; W=Woodland; EW=Early Woodland; MW=Middle Woodland; LW=Late Woodland

Table 2.5-46 NRHP-Ineligible Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (126 Records)
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Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
Columbia County (27 records)											
Beaver Township (1 record)											
132661	119398	none	Bridge	NA	H	1930	Concrete			Ineligible	yes
Berwick Borough (4 records)											
92202	92106	Berwick River Bridge 19 1 0 0184.0.001113	Bridge	Berwick	H	1905	Truss, Steel, Stone	Public-local	Berwick	Ineligible	yes
132673	119410	none	Bridge	Mifflinville	H	1940	unknown			Ineligible	yes
132674	119411	none	Bridge	Mifflinville	H	1929	Steel			Ineligible	yes
143231	130226	Berwick Borough Historic District	District	Berwick/ Mifflinville	H	1860-1919	Various	Private	Multiple	Ineligible	yes
Briar Creek Borough (2 records)											
20581	20490	Bowman Residence/ Ash Property	Building	Mifflinville	H	1860-1879	Federal, Gothic Revival, brick	Private	Individual	Ineligible	yes
132676	119413	none	Bridge	NA	H	1950	Steel			Ineligible	yes
Briar Creek Township (12 records)											
100497	100397	Broyan Farm	Building	Mifflinville	H	NA	Folk, stone	Private	Individual	Ineligible	Yes
132678	119415	none	Bridge	NA	H	1956	Concrete			Ineligible	yes
132679	119416	Briar Creek Township Bridge #4	Bridge	NA	H	1922	Concrete			Ineligible	yes
132680	119417	Briar Creek Township Bridge #1	Bridge	NA	H	1948	Steel			Ineligible	yes
132681	119418	Briar Creek Township Bridge #2	Bridge	NA	H	1948	Steel			Ineligible	yes
132682	119419	none	Bridge	NA	H	1937	Concrete			Ineligible	yes
132683	119420	none	Bridge	NA	H	1950	Steel			Ineligible	yes
132685	119422	none	Bridge	NA	H	1938	Concrete			Ineligible	yes
132686	119423	none	Bridge	NA	H	1941	Concrete			Ineligible	yes
132687	119424	none	Bridge	NA	H	1941	Concrete			Ineligible	yes
132688	119425	none	Bridge	NA	H	1930	Concrete			Ineligible	yes
132689	119426	none	Bridge	NA	H	1930	Concrete			Ineligible	yes
Fishing Creek Township (3 records)											
92260	92164	L.R. 19080 Bridge 19 2 0 0080 0 007881	Bridge	Stillwater	H	1906-1915	Arch, masonry	Public-local	Fishing Creek Twp	Ineligible	Yes

Table 2.5-46 NRHP-Ineligible Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (126 Records)
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Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
132705	119442	none	Bridge	NA	H	NA	unknown			Ineligible	yes
132707	119444	none	Bridge	NA	H	1940	Steel			Ineligible	yes
Mifflin Township (2 records)											
92203	92107	Mifflinville River Bridge 19 2 0 0103 0 000684	Bridge	Mifflinville	H	1907 (altered 1957)	Truss, Steel, Stone, Latticed	Public-local	Center Mifflin Twps	Ineligible	yes
132752	119489	none	Bridge	NA	H	1935	Steel			Ineligible	yes
North Centre Township (2 records)											
132765	119502	Tr 730 North Centre Township Bridge #1	Bridge	NA	H	1921	Steel			Ineligible	yes
132768	119505	County Bridge #168	Bridge	NA	H	1985	Steel			Ineligible	yes
South Centre Township (1 record)											
132789	119526	none	Bridge	NA	H	1949	Concrete			Ineligible	yes
Luzerne County (98 records)											
Black Creek Township (6 records)											
92596	92500	L.R. 40012 Bridge 40 2 0 0012 0 000862	Bridge	Nuremberg	H	NA	Arch, masonry	Public-local	Black Creek Twp	Ineligible	Yes
114794	110336	Rock Glen School	Building	Nuremberg	H	NA	school, brick	Public-local	Black Creek Twp	Ineligible	yes
135663	122400	none	Bridge	NA	H	1982	Concrete			Ineligible	yes
135664	122401	none	Bridge	NA	H	1953	Steel			Ineligible	yes
135665	122402	none	Bridge	NA	H	1936	Concrete			Ineligible	yes
135666	122403	none	Bridge	NA	H	1920	Steel			Ineligible	yes
Butler Township (8 records)											
87160	87064	Senior Citizens Center	Building	Freeland	H	NA	unknown	Public-local	Senior Citizens Center	Ineligible	yes
92651	92555	L.R. 653 Bridge 40 1 0 0663 0 004303	Bridge	Conyngham	H	NA	Arch, masonry	Public-local	Butler	Ineligible	yes
135667	122404	none	Bridge	NA	H	1939	Steel			Ineligible	yes
135669	122406	none	Bridge	NA	H	1928	Concrete			Ineligible	yes
135670	122407	none	Bridge	NA	H	1926	Concrete			Ineligible	yes
135672	122409	none	Bridge	NA	H	1909	Concrete			Ineligible	Yes

Table 2.5-46 NRHP-Ineligible Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (126 Records)
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Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
135674	122411	none	Bridge	NA	H	1933	Concrete			Ineligible	yes
135675	122412	none	Bridge	NA	H	1920	Steel			Ineligible	yes
Conyngham Borough (2 records)											
101932	101832	Hazleton Area Public Library	Building	Conyngham	H	NA	Weatherboard	Public-local	Hazleton Area Public Library	Ineligible	yes
135676	122413	none	Bridge	NA	H	1900	Stone			Ineligible	yes
Conyngham Township (6 records)											
87161	87065	Bridge No. 1	Bridge	Shickshinny	H	1919-1980	Concrete	Public-local	Shickshinny/ Mocaquana	Ineligible	yes
96754	96655	Mocanaqua Historic District	District	Shickshinny	H	1882	Twentieth Century Revival, Cape Cod, Vernacular, wood	Private	Multiple	Ineligible	yes
135678	122415	none	Bridge	NA	H	1956	Concrete			Ineligible	yes
135679	122416	none	Bridge	NA	H	1940	Steel			Ineligible	yes
135680	122417	none	Bridge	NA	H	1956	Concrete			Ineligible	Yes
36Lu0053	NA	SES-15	Archeological Site	Berwick	P	A	Open Habitation, Prehistoric	PP. and L		Ineligible	Not evaluated
Dorrance Township (11 records)											
92637	92541	L.R. 40025 Bridge 40 20 0025 0 000174	Bridge	Nanticoke	H	NA	Arch, masonry	Public-local	Dorrance Twp	Ineligible	yes
95043	94947	Bridge No. 45104	Structure	Sybertsville	H	1895	Truss, Continuous	Public-local	Dorrance Twp	Ineligible	yes
135689	122426	none	Bridge	NA	H	1895	Metal			Ineligible	yes
135690	122427	none	Bridge	NA	H	1900	Stone			Ineligible	yes
135691	122428	none	Bridge	NA	H	1936	Steel			Ineligible	yes
135692	122429	none	Bridge	NA	H	1925	Concrete			Ineligible	yes
135693	122430	none	Bridge	NA	H	1930	Concrete			Ineligible	yes
135694	122431	none	Bridge	NA	H	1925	Concrete			Ineligible	yes
135695	122432	none	Bridge	NA	H	1925	Concrete			Ineligible	yes
135696	122433	none	Bridge	NA	H	1897	Stone			Ineligible	Yes

Table 2.5-46 NRHP-Ineligible Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (126 Records)
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Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
36Lu00119	NA	Apple Tree Site	Archeological Site	Freeland	H	ca. 1925, 20thC	Historic Domestic (Abandoned Vernacular Homestead)	A.J. and S. Sawa		Ineligible	Not evaluated
Hollenback Township (2 records)											
135730	122467	none	Bridge	NA	H	1938	Steel			Ineligible	yes
135732	122469	none	Bridge	NA	H	1911	unknown			Ineligible	yes
Hunlock Township (9 records)											
92617	92521	L.R. 40072 Bridge 40 20 0072 0 010724	Bridge	Nanticoke	H	NA	Arch, masonry	Public-local	Hunlock Twp	Ineligible	yes
92640	92544	L.R. 40070 Bridge 40 20 0070 0 003912	Bridge	Nanticoke	H	1938	Arch, masonry	Public-local	Hunlock Twp	Ineligible	yes
92650	92554	L.R. 40072 Bridge 40 24 0072 0 019860	Bridge	Nanticoke	H	1938	Arch, masonry			Ineligible	yes
135734	122471	none	Bridge	NA	H	1938	Stone			Ineligible	yes
135735	122472	none	Bridge	NA	H	1983	Steel			Ineligible	yes
135736	122473	none	Bridge	NA	H	1925	Concrete			Ineligible	yes
135738	122475	none	Bridge	NA	H	1925	Concrete			Ineligible	yes
135739	122476	none	Bridge	NA	H	1925	Concrete			Ineligible	yes
135740	122477	none	Bridge	NA	H	1940	Concrete			Ineligible	yes
Huntington Township (7 records)											
90079	89983	House (T-935)	Building	Shickshinny	H	1906-1920	farmhouse, barn, silos, wood	Private	individual	Ineligible	yes
92606	92510	L.R. 235 Bridge 40 10 0235 0 023810	Bridge	Shickshinny	H	NA	Arch, concrete	Public-local	Huntington Twp	Ineligible	yes
92641	92545	L.R. 40077 Bridge 40 20 0077 0 016020	Bridge	Shickshinny	H	NA	Arch, stone, masonry	Public-local	Huntington Twp	Ineligible	yes
102275	102174	Huntington Historic District	District	Shickshinny	H	1807-1875	various	Private	Multiple	Ineligible	yes
135741	122478	none	Bridge	NA	H	1924	Concrete			Ineligible	yes
135744	122481	none	Bridge	NA	H	1928	Concrete			Ineligible	yes
135748	122485	none	Bridge	NA	H	1940	Steel			Ineligible	yes
Nescopeck Borough (1 record)											

Table 2.5-46 NRHP-Ineligible Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (126 Records)
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Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
92590	92494	L.R. 40017 Bridge 40 2 4 0017 0 005347	Bridge	Berwick	H	1895	Truss, Continuous, steel			Ineligible	Yes
Nescopeck Township (2 records)											
92652	92556	L.R. 40092 Bridge 40 2 4 0092 0 005004	Bridge	Berwick	H	1895-1905	Truss, Continuous, steel	Public-local	Nescopeck Twp	Ineligible	yes
135786	122523	none	Bridge	NA	H	1905	Steel			Ineligible	yes
New Columbus Borough (3 records)											
95044	94948	Bridge No. 42504	Structure	Stillwater	H	NA	Lattice railing, concrete	Public-local	New Columbus Borough	Ineligible	yes
135788	122525	none	Bridge	NA	H	1926	Steel			Ineligible	yes
135790	122527	none	Bridge	NA	H	1900	Stone			Ineligible	yes
Newport Township (12 records)											
89175	89079	none	Building	Nanticoke	H	NA	Wood			Ineligible	yes
89176	89080	none	Building	Nanticoke	H	NA	Wood			Ineligible	yes
127194	115207	Alden	District	Nanticoke	H	1881	Vernacular, Foursquare, Craftsman, weatherboard	Private	Multiple	Ineligible	Yes
127195	115208	Kirtland M. Smith School	Building	Nanticoke	H	1930	Neo-Classical Revival, brick	Public-local	Newport Twp	Ineligible	yes
127196	115209	Sheatown	District	Nanticoke	H	1880	vernacular	Private	Multiple	Ineligible	yes
127196	115209	Robert Street, Newport Twp.	District	NA	H	1880	Vinyl			Ineligible	yes
127197	115210	Nanticoke Branch of the Central Railroad of NJ	Bridge	NA	H	1870	Stone			Ineligible	yes
127221	115234	Alden House Company No. 3	Building	Nanticoke	H	1911	Beaux Arts, brick	Private	Trustees of Alden Methodist Church	Ineligible	yes
127248	115261	Newport United Methodist Church Cemetery	Site	Nanticoke	H	1900	Granite	Private	Trustees of Alden Methodist Church	Ineligible	yes

Table 2.5-46 NRHP-Ineligible Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (126 Records)
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Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
127251	115264	Meade House	Building	Nanticoke	H	1885	vernacular	Private	individual	Ineligible	yes
135791	122528	none	Bridge	NA	H	1954	Concrete			Ineligible	yes
135792	122529	none	Bridge	NA	H	1955	Concrete			Ineligible	Yes
Salem Township (10 records)											
92634	92538	L.R. 40093 Bridge 40 20 0093 0 002060	Bridge	Berwick	H	1941-1942	Arch, masonry/ metal	Public-local	Salem WP	Ineligible	yes
92644	92548	L.R. 40028 Bridge 40 20 0028 0 029679	Bridge	Berwick	H	NA	Arch, masonry	Public-local	Salem Twp	Ineligible	yes
92645	92549	L.R. 4 Bridge 40 10 0004 0 010374	Bridge	Berwick	H	1940	Arch, masonry	Public-local	Salem WP	Ineligible	yes
96755	96656	Stackhouse, E.S., Coal Company Watchman's House	Building	Shickshinny	H	1900-1925	Vernacular Frame, wood	Abandoned	Unavailabl e	Ineligible	yes
96756	96657	Dogtown House	Building	Shickshinny	H	1890-1930	Vernacular Frame, wood	Private	Individual	Ineligible	yes
135818	122555	none	Bridge	NA	H	1941	Stone			Ineligible	yes
135819	122556	none	Bridge	NA	H	1984	Concrete			Ineligible	yes
135820	122557	none	Bridge	NA	H	1937	Concrete			Ineligible	yes
36Lu0050	NA	SES-10	Archeological Site	Berwick	P	A, LA	Open Habitation, Prehistoric	P.P. and L		Ineligible	Not evaluated
36Lu0183	NA	Baluski	Archeological Site	Berwick	P	A, EA	Camp Site	Harry and Alice Baluski		Ineligible	Not evaluated
Shickshinny Borough (3 records)											
86544	86449	Search, George, Homestead	Building	Shickshinny	H	1859	Wood	Private	Individual	Ineligible	yes
89187	89091	none	Building	NA	H	NA	Slated for demolition, Luzerne County Community Development			Ineligible	yes
89188	89092	none	Building	Shickshinny	H	NA	unknown			Ineligible	yes
Sugarloaf Township (8 records)											
92591	92495	L.R. 184 Bridge 40 10 0184 0 050219	Bridge	NA	H	1936-1937	Truss, Continuous, steel	Public-local	Sugarloaf Twp	Ineligible	yes

Table 2.5-46 NRHP-Ineligible Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (126 Records)
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Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
92646	92550	L.R. 184 Bridge 40 1 0 0184 0 049518	Bridge	Sybertsville	H	1937	Evenly layered masonry	Public-local	Sugarloaf Twp	Ineligible	yes
135821	122558	none	Bridge	NA	H	1907	Steel			Ineligible	yes
135822	122559	none	Bridge	NA	H	1936	Steel			Ineligible	Yes
135823	122560	none	Bridge	NA	H	1992	Steel			Ineligible	yes
135824	122561	none	Bridge	NA	H	1939	Concrete			Ineligible	yes
135826	122563	none	Bridge	NA	H	1907	Steel			Ineligible	yes
135827	122564	none	Bridge	NA	H	1924	Steel			Ineligible	yes
Union Township (6 records)											
92647	92551	L.R. 935 Bridge 40 1 0 0935 0 022539	Bridge	Shickshinny	H	1850- 1940	Arch, masonry	Public-local	Union TWP	Ineligible	yes
92648	92552	L.R. 935 Bridge 40 1 0 0935 0 018329	Bridge	Shickshinny	H	NA	Arch, masonry	Public-local	Union TWP	Ineligible	yes
92649	92553	L.R. 40072 Bridge 40 20 0072 0 000791	Bridge	Shickshinny	H	NA	Arch, masonry	Public-local	Union TWP	Ineligible	yes
135829	122566	none	Bridge	NA	H	1895	Stone			Ineligible	yes
135830	122567	none	Bridge	NA	H	1925	Concrete			Ineligible	yes
135831	122568	none	Bridge	NA	H	1940	Steel			Ineligible	yes
Wright Township (2 records)											
36Lu0091	NA	none	Archeological Site	Freeland	P	Unknown Prehistoric	Open Habitation, Prehistoric	unknown		Ineligible	Not evaluated
36Lu0093	NA	none	Archeological Site	Freeland	P	Unknown Prehistoric	Temporary Camp	unknown		Ineligible	yes
Schuylkill County (1 record)											
North Union Township (1 record)											
137960	124697	none	Bridge	NA	H	1934	Concrete			Ineligible	yes

* P = Prehistoric, H = Historic

** P=Prehistoric; H=Historic A=Archaic; EA=Early Archaic; MA=Middle Archaic; LA=Late Archaic; Tr=Transitional Archaic; W=Woodland; EW=Early Woodland; MW=Middle Woodland; LW=Late Woodland

Table 2.5-47 NRHP-Undetermined Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (494 Records)
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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
Columbia County (392 records)											
Beaver Township (1 record)											
101418	101318	Farm on Vandermark Property	Building	Shumans	H	NA	unknown	Private	537	Unknown	Not evaluated
Berwick Borough (325 records)											
16937	16846	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
16938	16847	none	Building	Berwick	H	1880	Eclectic, Aluminum Frame			Unknown	Not evaluated
16939	16848	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16940	16849	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
16941	16850	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
16942	16851	none	Building	Berwick	H	1860	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
16943	16852	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
16944	16853	none	Building	Berwick	H	1860	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
16945	16854	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated

Table 2.5-47 NRHP-Undetermined Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (494 Records)
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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
16946	16855	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated
16947	16856	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
16948	16857	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16949	16858	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
16950	16859	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
16951	16860	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16952	16861	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
16953	16862	none	Building	Berwick	H	1880	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
16954	16863	none	Building	Berwick	H	1860	Colonial Revival, Brick			Unknown	Not evaluated
16955	16864	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16956	16865	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16957	16866	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
16958	16867	none	Building	Berwick	H	1899	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
16959	16868	none	Building	Berwick	H	1880	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
16960	16869	none	Structure	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16961	16870	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16962	16871	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16963	16872	none	Building	Berwick	H	1860	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
16964	16873	none	Building	Berwick	H	1900	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
16965	16874	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16966	16875	none	Building	Berwick	H	1900	Queen Anne, Frame			Unknown	Not evaluated
16967	16876	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
16968	16877	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16969	16878	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated

Table 2.5-47 NRHP-Undetermined Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (494 Records)
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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
16970	16879	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated
16971	16880	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16972	16881	none	Building	Berwick	H	1900	Vernacular, Italianate, Brick			Unknown	Not evaluated
16973	16882	none	Building	Berwick	H	1880	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
16974	16883	none	Building	Berwick	H	1900	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
16975	16884	none	Building	Berwick	H	1900	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
16976	16885	none	Building	Berwick	H	1900	Colonial Revival, Brick			Unknown	Not evaluated
16977	16886	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
16978	16887	none	Building	Berwick	H	1880	Eclectic, brick			Unknown	Not evaluated
16979	16888	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16980	16889	none	Building	Berwick	H	1800	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
16981	16890	none	Building	Berwick	H	1800	Vernacular, Italianate, Frame			Unknown	Not evaluated
16982	16891	none	Building	Berwick	H	1800	Vernacular, Greek Revival, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
16983	16892	none	Building	Berwick	H	1800	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16984	16893	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
16985	16894	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
16986	16895	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16987	16896	none	Building	Berwick	H	1890	Vernacular, Italianate, Frame			Unknown	Not evaluated
16988	16897	none	Building	Berwick	H	1900	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
16989	16898	none	Building	Berwick	H	1890	Eclectic, Frame			Unknown	Not evaluated
16990	16899	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
16991	16900	none	Building	Berwick	H	1880	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
16992	16901	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
16993	16902	none	Building	Berwick	H	1881	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
16994	16903	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated

Table 2.5-47 NRHP-Undetermined Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (494 Records)
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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
16995	16904	none	Building	Berwick	H	1880	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
16996	16905	none	Building	Berwick	H	1800	Vernacular, Italianate, Frame			Unknown	Not evaluated
16997	16906	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
16998	16907	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
16999	16908	none	Building	Berwick	H	1900	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
17000	16909	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
17001	16910	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
17002	16911	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
17003	16912	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
17004	16913	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
17005	16914	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
17006	16915	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
17007	16916	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
17008	16917	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
17009	16918	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
17010	16919	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
17011	16920	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
17012	16921	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
17013	16922	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19363	19272	none	Building	Berwick	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19364	19273	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19365	19274	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19366	19275	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19367	19276	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19368	19277	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19369	19278	none	Building	Berwick	H	1880	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
19370	19279	none	Building	Berwick	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19371	19280	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19372	19281	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated
19373	19282	Hinkley Funeral Home	Building	Berwick	H	1900	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19374	19283	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19375	19284	none	Building	Berwick	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19376	19285	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19377	19286	none	Building	Berwick	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19378	19287	none	Building	Berwick	H	1900	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19379	19288	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19380	19289	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19381	19290	none	Building	Berwick	H	1900	Vernacular, Italianate, Frame			Unknown	Not evaluated
19382	19291	none	Building	Berwick	H	1900	Vernacular, East Lake, Frame			Unknown	Not evaluated
19383	19292	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19384	19293	none	Building	Berwick	H	1860	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
19385	19294	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19386	19295	none	Building	Berwick	H	1900	Vernacular, Carpenter Gothic, Frame			Unknown	Not evaluated
19387	19296	none	Building	Berwick	H	1900	Vernacular, East Lake, Frame			Unknown	Not evaluated
19388	19297	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19389	19298	none	Building	Berwick	H	1860	Vernacular, Italianate, Brick			Unknown	Not evaluated
19390	19299	none	Building	Berwick	H	1880	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19391	19300	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19392	19301	none	Building	Berwick	H	1900	Eclectic, Frame			Unknown	Not evaluated
19393	19302	none	Building	Berwick	H	1860	Italianate, Brick			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19394	19303	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19395	19304	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19396	19305	none	Building	Berwick	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19397	19306	none	Building	Berwick	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19398	19307	none	Building	Berwick	H	1900	Vernacular PA, Commercial, Frame			Unknown	Not evaluated
19399	19308	none	Building	Berwick	H	1900	Vernacular PA, Industrial, Frame			Unknown	Not evaluated
19400	19309	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19401	19310	none	Building	Berwick	H	1900	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19402	19311	none	Building	Berwick	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19403	19312	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19404	19313	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19405	19314	none	Building	Berwick	H	1880	Vernacular PA, Industrial, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19406	19315	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19407	19316	none	Building	Berwick	H	1880-1889	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19408	19317	none	Building	Berwick	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19409	19318	none	Building	Berwick	H	1860	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
19410	19319	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Stucco Frame			Unknown	Not evaluated
19411	19320	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated
19412	19321	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19413	19322	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19414	19323	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
19415	19324	none	Building	Berwick	H	1880	Queen Anne, Frame			Unknown	Not evaluated
19416	19325	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated
19417	19326	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19418	19327	none	Building	Berwick	H	1880	Vernacular, Second Romanesque Revival, Brick			Unknown	Not evaluated
19419	19328	none	Building	Berwick	H	1903	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated
19420	19329	none	Building	Berwick	H	1873	Vernacular, Gothic Revival, Brick			Unknown	Not evaluated
19421	19330	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19422	19331	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
19423	19332	none	Building	Berwick	H	1860	Vernacular, Gothic Revival, Brick			Unknown	Not evaluated
19424	19333	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19425	19334	none	Building	Berwick	H	1860	Vernacular, Federal, Frame			Unknown	Not evaluated
19426	19335	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19427	19336	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
19428	19337	none	Building	Berwick	H	1860	Eclectic, brick			Unknown	Not evaluated
19429	19338	none	Building	Berwick	H	1880	Colonial Revival, Frame			Unknown	Not evaluated
19430	19339	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19431	19340	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19432	19341	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19433	19342	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
19434	19343	none	Building	Berwick	H	1880	Eclectic, Frame			Unknown	Not evaluated
19435	19344	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19436	19345	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19437	19346	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
19438	19347	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
19439	19348	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
19440	19349	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19441	19350	none	Building	Berwick	H	1880	Eclectic, Frame			Unknown	Not evaluated
19442	19351	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19443	19352	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19444	19353	Old Berwick Hospital	Building	Berwick	H	1900	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated
19445	19354	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19446	19355	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19447	19356	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19448	19357	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19449	19358	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19450	19359	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19451	19360	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19452	19361	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19453	19362	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19454	19363	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
19455	19364	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19456	19365	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
19457	19366	none	Building	Berwick	H	1880	Vernacular, Carpenter Gothic, Frame			Unknown	Not evaluated
19458	19367	none	Building	Berwick	H	1880	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
19459	19368	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated
19460	19369	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19461	19370	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
19462	19371	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19463	19372	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
19464	19373	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19465	19374	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated
19466	19375	none	Building	Berwick	H	1880	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
19467	19376	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19468	19377	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19469	19378	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
19470	19379	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
19471	19380	Berwick High School	Building	Berwick	H	1887	Vernacular, Victorian Romanesque, Brick			Unknown	Not evaluated
19472	19381	none	Building	Berwick	H	1880	Vernacular PA, Barn, Frame			Unknown	Not evaluated
19473	19382	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19474	19383	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19475	19384	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19476	19385	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
19477	19386	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19478	19387	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19479	19388	none	Building	Berwick	H	1880	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19480	19389	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19481	19390	none	Building	Berwick	H	1880	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19482	19391	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19483	19392	none	Building	Berwick	H	1880	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19484	19393	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
19485	19394	none	Building	Berwick	H	1880	Vernacular PA, Commercial, Frame			Unknown	Not evaluated
19486	19395	none	Building	Berwick	H	1880	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19487	19396	none	Building	Berwick	H	1871	Italianate, Brick			Unknown	Not evaluated
19488	19397	none	Building	Berwick	H	1880	Vernacular, Italianate, Brick			Unknown	Not evaluated
19489	19398	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
19490	19399	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19491	19400	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
19492	19401	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19493	19402	none	Building	Berwick	H	1880	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19494	19403	none	Building	Berwick	H	1880	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19495	19404	none	Building	Berwick	H	1915	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19496	19405	none	Building	Berwick	H	1880	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19497	19406	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19498	19407	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19499	19408	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19500	19409	none	Building	Berwick	H	1880	Eclectic, Frame			Unknown	Not evaluated
19501	19410	none	Building	Berwick	H	1880	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19502	19411	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19503	19412	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
19504	19413	none	Building	Berwick	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19505	19414	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19506	19415	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19507	19416	none	Building	Berwick	H	1860	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19508	19417	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
19509	19418	none	Building	Berwick	H	1860	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
19510	19419	none	Building	Berwick	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19511	19420	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
19512	19421	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
19513	19422	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19514	19423	none	Building	Berwick	H	1880	Vernacular, Italianate, Brick Veneer Frame			Unknown	Not evaluated
19515	19424	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19516	19425	none	Building	Berwick	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19517	19426	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19518	19427	none	Building	Berwick	H	NA	Vernacular, Italianate, Frame			Unknown	Not evaluated
19519	19428	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19520	19429	Presbyterian Church	Building	Berwick	H	1840	Vernacular, Gothic Revival, Brick			Unknown	Not evaluated
19521	19430	none	Building	Berwick	H	1880	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
19522	19431	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19523	19432	none	Building	Berwick	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19524	19433	none	Building	Berwick	H	1895	Vernacular, Gothic Revival, Brick			Unknown	Not evaluated
19525	19434	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Frame			Unknown	Not evaluated
19526	19435	none	Building	Berwick	H	1860	Vernacular, Italianate, Brick			Unknown	Not evaluated
19527	19436	none	Building	Berwick	H	1860	Vernacular, Italianate, Brick			Unknown	Not evaluated
19528	19437	none	Building	Berwick	H	1860	Vernacular, Italianate, Brick			Unknown	Not evaluated
19529	19438	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19530	19439	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
19531	19440	none	Building	Berwick	H	1880	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19532	19441	none	Building	Berwick	H	1880	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19533	19442	none	Building	Berwick	H	1860	Vernacular, Queen Anne, Composition Sheet Frame			Unknown	Not evaluated
19534	19443	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19535	19444	none	Building	Berwick	H	1912	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19536	19445	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
19537	19446	none	Building	Berwick	H	1860	Vernacular, Victorian Romanesque, Brick			Unknown	Not evaluated
19538	19447	none	Building	Berwick	H	1878	Vernacular, Romanesque Revival, Brick			Unknown	Not evaluated
19539	19448	none	Building	Berwick	H	1860	Italianate, Frame			Unknown	Not evaluated
19540	19449	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19541	19450	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19542	19451	none	Building	Berwick	H	1880	Queen Anne, Frame			Unknown	Not evaluated
19543	19452	none	Building	Berwick	H	1860	Eclectic, Frame			Unknown	Not evaluated
19544	19453	none	Building	Berwick	H	1880	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
19545	19454	none	Building	Berwick	H	1860	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
19546	19455	Berwick Y.M.C.A.	Building	Berwick	H	1880-1899	Eclectic, brick	Public-local	Y.M.C.A	Unknown	Not evaluated
19547	19456	none	Building	Mifflinville	H	1760	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19548	19457	none	Building	Mifflinville	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19549	19458	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19550	19459	none	Building	Berwick	H	1900	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated
19551	19460	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19552	19461	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19553	19462	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19554	19463	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19555	19464	none	Building	Mifflinville	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19556	19465	none	Building	Berwick	H	1880	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
19557	19466	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19558	19467	none	Building	Berwick	H	1880	Vernacular, Carpenter Gothic, Frame			Unknown	Not evaluated
19559	19468	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19560	19469	none	Building	Berwick	H	1880	Vernacular, Greek Revival, Brick			Unknown	Not evaluated
19561	19470	none	Building	Mifflinville	H	1880	Vernacular Italianate, Frame	Private	Individual	Unknown	Not evaluated
19562	19471	none	Building	Mifflinville	H	1880	Vernacular, Colonial Revival, Frame			Unknown	Not evaluated
19563	19472	Fairview Ave. School Building	Building	Mifflinville	H	1900	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated
20524	20433	none	Building	Berwick	H	1860	Vernacular PA, Country Store, Frame			Unknown	Not evaluated
20525	20434	none	Building	Berwick	H	1890	Vernacular PA, Farm House, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
20526	20435	Conyngham Valley Baptist Church	Building	Berwick	H	1909	Vernacular, Gothic Revival, Frame			Unknown	Not evaluated
20527	20436	none	Building	Berwick	H	1860	Vernacular PA, Farm Building, Stucco Frame			Unknown	Not evaluated
20530	20439	none	Building	Berwick	H	1873	Romanesque Revival, Brick			Unknown	Not evaluated
20532	20441	none	Building	Berwick	H	1848	Vernacular, Federal, Brick			Unknown	Not evaluated
20533	20442	none	Building	Berwick	H	1800	Vernacular, Italianate, Brick			Unknown	Not evaluated
20534	20443	none	Building	Berwick	H	1860	Vernacular, Gothic Revival, Brick			Unknown	Not evaluated
20535	20444	First Methodist Church	Building	Berwick	H	1902	Vernacular, Richardson Romanesque, Stone			Unknown	Not evaluated
20536	20445	none	Building	Berwick	H	1860	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated
20537	20446	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
20538	20447	none	Building	Berwick	H	1900	Vernacular PA, One Room Country Store, Frame			Unknown	Not evaluated
20539	20448	Thompson Farm, The	Building	NA	H	1813	Vernacular Pa Farm House, Frame			Unknown	Not evaluated
20544	20453	none	Building	Berwick	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
20545	20454	none	Building	Berwick	H	1880	Vernacular, Colonial Revival, Brick			Unknown	Not evaluated
20546	20455	none	Building	Berwick	H	1880	Vernacular, Italianate, Frame			Unknown	Not evaluated
20547	20456	National Hotel	Building	Berwick	H	NA	Vernacular PA, Country Hotel, Frame			Unknown	Not evaluated
20548	20457	none	Building	Berwick	H	1880	Vernacular, Plain, Frame			Unknown	Not evaluated
20549	20458	none	Building	Berwick	H	1860	Vernacular, Italianate, Frame			Unknown	Not evaluated
20550	20459	none	Building	Berwick	H	1900	Vernacular PA, Railroad, Frame			Unknown	Not evaluated
20551	20460	none	Building	Berwick	H	1880	Vernacular PA, Country Store, Board and Batten Frame			Unknown	Not evaluated
20552	20461	Jackson & Woodin	Building	Berwick	H	1899	Industrial, Brick			Unknown	Not evaluated
20553	20462	Jackson & Woodin Company	Building	Berwick	H	1902	Industrial, Brick			Unknown	Not evaluated
20554	20463	Jackson & Woodin Company	Building	Berwick	H	1909	Industrial, Brick			Unknown	Not evaluated
20555	20464	Jackson & Woodin	Building	Berwick	H	1902	Industrial, Brick			Unknown	Not evaluated
20556	20465	Jackson & Woodin	Building	Berwick	H	1902	Industrial, Brick			Unknown	Not evaluated
20557	20466	Jackson & Woodin	Building	Berwick	H	1902	Industrial, Brick			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
20558	20467	Jackson & Woodin Company	Building	Berwick	H	1902	Industrial, Brick			Unknown	Not evaluated
20559	20468	First Christian Church, Alliance Christian Church	Building	Berwick	H	1908	Vernacular, Queen Anne, Frame			Unknown	Not evaluated
20560	20469	none	Building	Berwick	H	1860	Italianate, Brick			Unknown	Not evaluated
20561	20470	none	Building	Berwick	H	1860	Eclectic, Wood Shingle Frame			Unknown	Not evaluated
20562	20471	none	Building	Berwick	H	1860	Vernacular, Italianate, Brick			Unknown	Not evaluated
20565	20474	none	Building	Berwick	H	1878	Vernacular, Romanesque Revival, Brick			Unknown	Not evaluated
20566	20475	Woodin Residence	Building	Berwick	H	1860	Italianate, Brick			Unknown	Not evaluated
20567	20476	none	Building	Berwick	H	1816	Vernacular PA, Country Church, Imitation Ashlar			Unknown	Not evaluated
20568	20477	none	Building	Berwick	H	1860	Colonial Revival, Brick			Unknown	Not evaluated
20570	20479	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival, Brick			Unknown	Not evaluated
20571	20480	none	Building	Berwick	H	1900	Queen Anne, Frame			Unknown	Not evaluated
20572	20481	none	Building	Berwick	H	1860	Vernacular, Greek Revival, Brick			Unknown	Not evaluated
20573	20482	none	Building	Berwick	H	1880	Vernacular, Italianate, Brick			Unknown	Not evaluated
20574	20483	none	Building	Berwick	H	1880	Italianate, Brick			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
20575	20484	none	Building	Berwick	H	1880	Vernacular, Italianate, Brick			Unknown	Not evaluated
20576	20485	none	Building	Berwick	H	1880	Italianate, Brick			Unknown	Not evaluated
20577	20486	none	Building	Berwick	H	1900	Vernacular, Romanesque Revival, Brick			Unknown	Not evaluated
20578	20487	none	Building	Mifflinville	H	1860	Vernacular PA, Farm House, Frame			Unknown	Not evaluated
36Co0019	NA	The Fairchild Site	Archeological Site	Mifflinville	P	Unknown Prehistoric	Camp Site	Bloomsburg Municiple Airport		Unknown	Not evaluated
36Co0031	NA	Park Place Village Site 1	Archeological Site	Mifflinville	P	Unknown Prehistoric	Open Prehistoric, Unknown Function	Borough of Berwick		Unknown	Not evaluated
Briar Creek Borough (12 records)											
19565	19474	none	Building	Mifflinville	H	1860-1879	Vernacular Pa Farm House, Composition Frame	Private	Individual	Unknown	Not evaluated
19566	19475	none	Building	Mifflinville	H	1900-1919	Vernacular Colonial Revival, Frame	Private	Individual	Unknown	Not evaluated
19567	19476	none	Building	NA	H	1880	unknown			Unknown	Not evaluated
19568	19477	none	Building	Mifflinville	H	1860-1879	Vernacular Greek Revival, Brick	Private	Individual	Unknown	Not evaluated
19569	19478	none	Building	Mifflinville	H	1880-1899	Vernacular Queen Anne, Frame	Private	Individual	Unknown	Not evaluated
19570	19479	none	Building	Mifflinville	H	1860-1879	Vernacular Italianate, Brick	Private	Individual	Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
19571	19480	none	Building	Mifflinville	H	1860-1879	Vernacular Colonial Revival, Brick	Private	Individual	Unknown	Not evaluated
19572	19481	none	Building	Mifflinville	H	1880-1899	Vernacular Queen Anne, Frame	Public	Bloomsburg Bank Columbia Trust Co.	Unknown	Not evaluated
20579	20488	none	Building	Mifflinville	H	1820-1839	Vernacular Federal, Brick	Private	Individual	Unknown	Not evaluated
20580	20489	none	Building	Mifflinville	H	1840-1859	Vernacular Federal, Brick	Private	Individual	Unknown	Not evaluated
20583	20492	none	Building	Mifflinville	H	1860-1879	Vernacular Pa County Store, Frame	Private	Individual	Unknown	Not evaluated
79062	78968	Methodist Episcopal Church	Building	Mifflinville	H	1800-1899	unknown	Private	Methodist Episcopal Church	Unknown	Not evaluated
Fishing Creek Township (1 records)											
NA	BMS 19103300460000	SR 1033 Over Little Pine Creek	Bridge	Stillwater	H	1915	Closed Spandrel Arch, Stone	Public-state	PennDOT	Unknown	Not evaluated
Mifflin Township (46 records)											
20254	20163	none	Building	Mifflinville	H	1860	Federal			Unknown	Not evaluated
20255	20164	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival			Unknown	Not evaluated
20256	20165	none	Building	Mifflinville	H	1860	Vernacular PA, Farm House			Unknown	Not evaluated
20257	20166	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival			Unknown	Not evaluated
20258	20167	none	Building	Mifflinville	H	1860	Vernacular, Federal			Unknown	Not evaluated
20259	20168	none	Building	Mifflinville	H	NA	Vernacular, Greek Revival			Unknown	Not evaluated
20260	20169	none	Building	Mifflinville	H	1860	Vernacular PA, Farm house			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
20261	20170	none	Building	Mifflinville	H	1860	Vernacular PA, Country Store			Unknown	Not evaluated
20262	20171	none	Building	Mifflinville	H	1860	Vernacular PA, County Multi-family			Unknown	Not evaluated
20263	20172	none	Building	Mifflinville	H	1860	Vernacular, Italianate			Unknown	Not evaluated
20264	20173	none	Building	Mifflinville	H	1860	Vernacular, Italianate			Unknown	Not evaluated
20265	20174	none	Building	Mifflinville	H	1860	Vernacular, Italianate			Unknown	Not evaluated
20266	20175	none	Building	Mifflinville	H	1880	Vernacular, County Store			Unknown	Not evaluated
20267	20176	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival			Unknown	Not evaluated
20268	20177	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival			Unknown	Not evaluated
20269	20178	none	Building	Mifflinville	H	1860	Vernacular, Queen Anne			Unknown	Not evaluated
20270	20179	none	Building	Mifflinville	H	1860	Vernacular, Italianate			Unknown	Not evaluated
20271	20180	none	Building	Mifflinville	H	1880	Vernacular, Colonial Revival			Unknown	Not evaluated
20272	20181	none	Building	Mifflinville	H	1880	Vernacular, Colonial Revival			Unknown	Not evaluated
20273	20182	none	Building	Mifflinville	H	1860	Vernacular, Carpenter Gothic			Unknown	Not evaluated
20274	20183	none	Building	Mifflinville	H	1860	Vernacular, Italianate			Unknown	Not evaluated
20275	20184	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival			Unknown	Not evaluated
20276	20185	none	Building	Mifflinville	H	1860	Vernacular, Colonial Revival			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
20277	20186	none	Building	Mifflinville	H	1860	Vernacular, Gothic Revival			Unknown	Not evaluated
20278	20187	none	Building	Mifflinville	H	1880	Vernacular, Colonial Revival			Unknown	Not evaluated
20279	20188	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival			Unknown	Not evaluated
20280	20189	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival			Unknown	Not evaluated
20281	20190	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival			Unknown	Not evaluated
20282	20191	none	Building	Mifflinville	H	1900	Vernacular, Colonial Revival			Unknown	Not evaluated
20283	20192	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival			Unknown	Not evaluated
20284	20193	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival			Unknown	Not evaluated
20285	20194	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival			Unknown	Not evaluated
20286	20195	none	Building	Mifflinville	H	1860	Vernacular PA, Farm House			Unknown	Not evaluated
20287	20196	none	Building	Mifflinville	H	1860	Vernacular, Colonial Revival			Unknown	Not evaluated
21283	21192	none	Building	Mifflinville	H	1840	Vernacular PA, Farm House			Unknown	Not evaluated
21284	21193	none	Building	Mifflinville	H	1820	Vernacular PA, Farm House			Unknown	Not evaluated
21286	21195	none	Building	Mifflinville	H	1840	Vernacular PA, Farm House			Unknown	Not evaluated
21287	21196	none	Building	Mifflinville	H	1860	Vernacular PA, Country Store			Unknown	Not evaluated
21288	21197	none	Building	Mifflinville	H	1860	Vernacular, Italianate			Unknown	Not evaluated
21289	21198	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival			Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
21290	21199	none	Building	Mifflinville	H	1860	Vernacular, Italianate			Unknown	Not evaluated
21292	21201	Methodist Church Parsonage	Building	Mifflinville	H	1861	Greek Revival			Unknown	Not evaluated
21293	21202	none	Building	Mifflinville	H	1883	Eclectic			Unknown	Not evaluated
21294	21203	none	Building	Mifflinville	H	1860	Vernacular, Greek Revival			Unknown	Not evaluated
21295	21204	none	Building	Mifflinville	H	1909	Vernacular, Second Empire			Unknown	Not evaluated
NA	BMS 19721504150053	TR415 Over Ten Mile Run (County Bridge #53)	Bridge	Mifflinville	H	1930	Stringer, Simple, Steel	Public-local	Columbia County	Unknown	Not evaluated
South Centre Township (5 records)											
144233	132743	Comstock House, Fowler House	Building	NA	H	1860	unknown			Unknown	Not evaluated
144234	132744	Cryder, I. L. House, Cryder House	Building	NA	H	1869	unknown			Unknown	Not evaluated
36Co0001	NA	Lime Ridge (Hunt Cannery)	Archeological Site	Mifflinville	P	Early LW, A	Open Habitation, Prehistoric	Joseph Campbell Co., Camden NJ		Unknown	Not evaluated
36Co0015	NA	Mifflinville Bridge X	Archeological Site	Mifflinville	P	Unknown Prehistoric	undefined	Dr. E.C. Cryder		Unknown	Not evaluated
36Co0016	NA	Mifflinville Bridge Y	Archeological Site	Mifflinville	P	Unknown Prehistoric	Open Prehistoric, Unknown Function	Mr. Jack D. Unger		Unknown	Not evaluated
Sugarloaf Township (2 records)											
NA	BMS 19023901701830	SR 239 Over West Creek	Bridge	Benton	H	1934	T-Beam, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
NA	BMS 19404900201442	SR 4049 Over Fishing Creek	Bridge	Shumans	H	1934	Thru Truss, Baltimore, Steel	Public-state	PennDOT	Unknown	Not evaluated
Luzerne (102 records)											
Black Creek Township (3 records)											
NA	BMS 40301600701015	SR 3016 Over Black Creek	Bridge	Berwick	H	1953	Stringer, Simple, Steel	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40720203094506	TR 309 Over Falls Run (Bridge # 54506)	Bridge	Nuremberg	H	1936	Slab, Simple, Reinforced Concrete	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40720203144502	TR 314 Over Black Creek (Bridge # 54502)	Bridge	Nuremberg	H	1920 (altered 1939)	Deck Girder, Simple, Steel	Public-local	Luzerne County	Unknown	Not evaluated
Butler Township (11 records)											
36Lu0194	NA	Kreiger House	Archeological Site	Freeland	P	LA or Tr	undefined	Dan Kreiger		Unknown	Not evaluated
36Lu0198	NA	Pottery Site	Archeological Site	Freeland	P	LW	possibly Pit or Burial	unknown		Unknown	Not evaluated
NA	BMS 40030902601545 (old BMS 40030902601594)	SR 309 Over Nescopeck Creek	Bridge	Freeland	H	1956	Stringer, Simple, Steel	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40302100302871 (old BMS 403302100302890)	SR 3021 Over Nescopeck Creek	Bridge	Freeland	H	1926	Slab, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40302100602210	SR 3021 Over Nescopeck Creek	Bridge	Freeland	H	1928	T-Beam, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40304000400000	SR 3040 Over Branch of Nescopeck Creek	Bridge	Sybertsville	H	1939	Stringer, Simple, Steel	Public-state	PennDOT	Unknown	Not evaluated

Table 2.5-47 NRHP-Undetermined Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (494 Records)
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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
NA	BMS 40720403054717	County Road 41 Over Nescopeck Creek (Bridge # 54717)	Bridge	Freeland	H	1911 (altered 1946)	Slab, Simple, Reinforced Concrete	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40720403564702	TR 356 Over Mill Race (Bridge # 54702)	Bridge	Sybertsville	H	1909	Slab, Simple, Reinforced Concrete	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40720403584715	TR 358 Over Nescopeck Creek	Bridge	Freeland	H	1895ca	Pony Truss, Pratt, Metal	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40720403644703	TR 364 Over Nescopeck Creek (Bridge # 54703)	Bridge	Sybertsville	H	1920ca	Deck Girder, Simple, Steel	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40720403954704	County Road 39 Over Nescopeck Creek (Bridge # 54704)	Bridge	Sybertsville	H	1933	T-Beam, Simple, Reinforced Concrete	Public-local	Luzerne County	Unknown	Not evaluated
Corynham Township (17 records)											
NA	BMS 40023901100850	SR 239 Over Little Wapwallopen Creek	Bridge	NA	H	1940	Stringer, Simple, Steel	Public-state	PennDOT	Unknown	Not evaluated
36Lu0018	NA	Yorkoshi	Archeological Site	Berwick	P	A	Open Habitation, Prehistoric	P.P. and L		Unknown	Not evaluated
36Lu0019	NA	Stone Crusher (#2 Site)	Archeological Site	Berwick	P	A, EA, LA, Tr, W, EW, LW	Open Habitation, Prehistoric	P.P. and L		Unknown	Not evaluated
36Lu0020	NA	none	Archeological Site	Berwick	P	A, Tr	Open Habitation, Prehistoric	Leroy Hentchcliff (?)		Unknown	Not evaluated
36Lu0021	NA	S. Wapwallopen	Archeological Site	Berwick	P/H	A, W, EW, MW, LW, Hist	Open Prehistoric and Historic	unknown		Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
36Lu0022	NA	Bobby Peter	Archeological Site	Sybertsville	P	A, MA, LA, W, EW, LW	Open Habitation, Prehistoric	unknown		Unknown	Not evaluated
36Lu0023	NA	Smith	Archeological Site	Berwick	P	A	Open Habitation, Prehistoric	Smith		Unknown	Not evaluated
36Lu0024	NA	Kibler	Archeological Site	Berwick	P	A (probable)	Open Habitation, Prehistoric	unknown		Unknown	Not evaluated
36Lu0025	NA	Heller	Archeological Site	Berwick	P	A	Open Habitation, Prehistoric	Heller		Unknown	Not evaluated
36Lu0043	NA	Knouse (Wapwallopen)	Archeological Site	Berwick	H	LW, Contact, Hist	Prehistoric burials, Historic	P.P. and L		Unknown	Not evaluated
36Lu0117	NA	none	Archeological Site	Sybertsville	H	19th-20thC	Historic Domestic	Jean Collman, Adolph Wright		Unknown	Not evaluated
36Lu0188	NA	Barn Field (B1)	Archeological Site	Sybertsville/ Berwick	P	A, EA, MA, LA, Tr, W, EW, LW	Open Habitation, Prehistoric	unknown		Unknown	Not evaluated
NA	BMS 40300500301561	SR 3005 Over Branch of Pond Creek	Bridge	Sybertsville	H	1956	Slab, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40303400201556 (old BMS 40303400201539)	SR 3034 Over Nescopeck Creek	Bridge	Conyngham	H	1900ca	Closed Spandrel Arch, Deck, Stone	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40720503924803	TR 392 Over Wapwallopen Creek	Bridge	NA	H	1895ca	Pony Truss, Pratt, Steel	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40720504664802	TR 466 Over Pond Creek (Bridge # 4402)	Bridge	Sybertsville	H	1956	Box Beam, Adjacent, Prestressed Concrete	Public-local	Luzerne County	Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
NA	BMS 40720802945113	County Road 29 over Wapwallopen Creek	Bridge	Sybertsville	H	1925	T-Beam, Simple, Reinforced Concrete	Public-local	Luzerne County	Unknown	Not evaluated
Dorrance Township (13 records)											
36Lu0092	NA	The Ryan Site	Archeological Site	Freeland	P	Unknown Prehistoric	Temporary Camp/ Specialized Activity Area	Private		Unknown	Not evaluated
36Lu0096	NA	Lutz Mill	Archeological Site	Sybertsville	H	ca. 1900	Historic Industrial (mill and farm)	Antoinette Smerski Meyers, Rd #1 Wapwallopen Pa 18660		Unknown	Not evaluated
36Lu0107	NA	Deliman	Archeological Site	Sybertsville	P	A	Open Habitation, Prehistoric	Michael Deliman, Blue Ridge Mtn Rd. Dorrance, Pa		Unknown	Not evaluated
36Lu0116	NA	none	Archeological Site	Sybertsville	H	Unknown Historic	Historic Domestic (with stone wall)	unknown		Unknown	Not evaluated
36Lu0193	NA	Wapwallopen Creek	Archeological Site	Freeland	P	Tr	undefined	unknown		Unknown	Not evaluated
NA	BMS 40300700800517 (old BMS 403007--800535)	SR 3007 Over Wapwallopen Creek	Bridge	Freeland	H	1936	Stringer, Simple, Steel	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40301000500000	SR 3010 Over Wapwallopen Creek	Bridge	Freeland	H	1925 (altered 1963)	T-Beam, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40301000501664 (old BMS 40301000501693)	SR 3010 Over Branch Wapwallopen Creek	Bridge	Freeland	H	1935 (altered 1962)	Closed Spandrel Arch, deck, reinforced concrete	Public-state	PennDOT	Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
NA	BMS 40720803045111	County Road 30 Over Wapwallopen Creek (Bridge # 45111)	Bridge	Sybertsville	H	1925	T-Beam, Simple, Reinforced Concrete	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40720803045115	County Road 29 over Wapwallopen Creek (Bridge # 45115)	Bridge	Sybertsville	H	1930	Slab, Simple, Reinforced Concrete	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40720803875105	TR 387 Over Wapwallopen Creek	Bridge	Sybertsville	H	1897 (altered 1963)	Closed Spandrel Arch, Deck, Stone	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40720804045110	TR 404 Over Little Wapwallopen Creek	Bridge	Freeland	H	1900ca	Closed Spandrel Arch, Deck, Stone	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40720804065104	TR 406 Over Wapwallopen Creek (Bridge # 45104)	Bridge	Sybertsville	H	1895	Pony Truss, Pratt, Metal	Public-local	Luzerne County	Unknown	Not evaluated
Hazle Township (1 record)											
36Lu0190	NA	BC (General for Confluence)	Archeological Site	Conyngham	P	LA, Tr, LW	Open Prehistoric, Unknown Function	unknown		Unknown	Not evaluated
Hollenback Township (1 record)											
NA	BMS 40301200501442 (old BMS 40301200501463)	SR 3012 Over Wapwallopen Creek	Bridge	Sybertsville	H	1938	Stringer, Simple, Steel	Public-state	PennDOT	Unknown	Not evaluated
Hunlock Township (6 records)											
36Lu0186	NA	Catscan Site	Archeological Site	Nanticoke	P	Unknown Prehistoric	Open Prehistoric, Unknown Function	unknown		Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
NA	BMS 40001103301406 (old BMS 40001103301400)	US 11 Over Hunlock Creek	Bridge	Nanticoke	H	1940	T-Beam, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40400500100223 (old BMS 40400500100195)	SR 4005 Over Hunlock Creek	Bridge	Nanticoke	H	1900ca	Closed Spandrel Arch, Deck, Stone	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40401602202428	SR 4016 Over Hunlock Creek	Bridge	Nanticoke	H	1925	T-Beam, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40401602500000 (old BMS 40401602401934)	SR 4016 Over Hunlock Creek	Bridge	Nanticoke	H	1925	T-Beam, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40401602501372	SR 4016 Over Hunlock Creek	Bridge	Nanticoke	H	1925	T-Beam, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated
Huntington Township (7 records)											
100548	100448	40 1 0 0935 0 000166	Bridge	Shickshinny	H	1924	Truss, Steel	Public-local	Huntington Twp	Unknown	Not evaluated
NA	BMS 40023903102552	SR 239 Over Huntington Creek	Bridge	NA	H	1927	T-Beam, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40023903600666	SR 239 Over Pine Creek	Bridge	Stillwater	H	1928	T-Beam, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40023903902410	SR 239 Over Tributary Pine Creek	Bridge	Stillwater	H	1928	Slab, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40400700100108	SR 4007 Over Shickshinny Creek	Bridge	NA	H	1940	Stringer, Simple, Steel	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40401000100100	SR 4010 Over Huntington Creek	Bridge	Shickshinny	H	1940	Stringer, Simple, Steel	Public-state	PennDOT	Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
NA	BMS 40401600700000 (old BMS 404016000602804)	SR 4016 Over Marsh Creek	Bridge	Shickshinny	H	1924	T-Beam, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated
Nescopeck Township (5 records)											
36Lu0212	NA	Headly Forge	Archeological Site	Berwick	H	Hist	historic industrial	unknown		Unknown	Not evaluated
36Lu0213	NA	Westler Site	Archeological Site	Berwick	H	1850-1940	historic domestic, midden	unknown		Unknown	Not evaluated
NA	BMS 40301400202380	SR 3014 Over Nescopeck Creek	Bridge	Berwick	H	1905	Thru Truss, Camelback, Steel	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40722303427312	TR 342 Over Nescopeck Creek	Bridge	Sybertsville	H	1889	Pony Truss, Pratt, Wrought Iron	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40722303564706	TR 356 Over Nescopeck Creek	Bridge	Sybertsville	H	1883	Pony Truss, Pratt, Wrought Iron	Public-local	Luzerne County	Unknown	Not evaluated
New Columbus Borough (5 records)											
NA	BMS 40300100900995	SR 3001 Over Forge Creek (Robert Street)	Bridge	NA	H	1955	Box Beam, Adjacent, Prestressed Concrete	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40300401502133	SR 3004 Over Branch of Newport Creek	Bridge	Nanticoke	H	1954	Slab, Simple, Reinforced Concrete	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40401400100106	SR 4014 Over Pine Creek Tributary	Bridge	Stillwater	H	1900ca	Closed Spandrel Arch, Deck, Stone	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40742004862502	TR 486 Over Pine Creek (Bridge # 42502)	Bridge	NA	H	1927	Closed Spandrel Arch, Stone, Deck	Public-local	Luzerne County	Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
NA	BMS 40742020042504	Town Hill Road (Pine Creek Road) over Pine Creek	Bridge	Stillwater	H	1926	Pony Truss, Pratt, Steel	Public-local	Luzerne County	Unknown	Not evaluated
Newport Township (2 records)											
36Lu0037	NA	"Retreat Poor Farm"	Archeological Site	Nanticoke	P	Probable A, MW, LW	Open Habitation, Prehistoric	State of Pa Retreat State (mental) Hospital		Unknown	Not evaluated
36Lu0101	NA	Hahn/Roger	Archeological Site	Nanticoke	P	A	Open Habitation, Prehistoric	unknown		Unknown	Not evaluated
Nuangola Borough (6 records)											
36Lu0251	NA	Max #1	Archeological Site	Wilksbarre W	P	Unknown Prehistoric	Rockshelter/ Cave	unknown		Unknown	Not evaluated
36Lu0252	NA	Max #2	Archeological Site	Wilksbarre W	P	Unknown Prehistoric	Rockshelter/ Cave	unknown		Unknown	Not evaluated
36Lu0253	NA	Max #3	Archeological Site	Wilksbarre W	P	Unknown Prehistoric	Rockshelter/ Cave	unknown		Unknown	Not evaluated
36Lu0254	NA	Max #4	Archeological Site	Wilksbarre W	P	Unknown Prehistoric	Rockshelter/ Cave	unknown		Unknown	Not evaluated
36Lu0255	NA	Max #5	Archeological Site	Wilksbarre W	P	Unknown Prehistoric	Rockshelter/ Cave	unknown		Unknown	Not evaluated
36Lu0256	NA	Max #6	Archeological Site	Wilksbarre W	P	Unknown Prehistoric	Rockshelter/ Cave	unknown		Unknown	Not evaluated
Ross Township (1 record)											
NA	BMS 40402401800000	SR 4024 Over Huntington Creek	Bridge	Sweet Valley	H	1888	Pony Truss, Pratt, Wrought Iron	Public-state	PennDOT	Unknown	Not evaluated
Salem Township (10 records)											
92631	59253	L.R. 40029 Bridge 40 2 0 00290 03387	Bridge	Berwick	H	NA	Arch, masonry/ metal	Public-local	Salem Twp	Unknown	Not evaluated

Table 2.5-47 NRHP-Undetermined Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (494 Records)
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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
141673	128433	North Branch Canal (Pennsylvania Canal Company, Wyoming Canal Company)	District	Berwick	H	1828, 1831	Canal			Unknown	Not evaluated
36Lu0017	NA	SES-13	Archeological Site	Berwick	P	A, LA, Tr, LW	Open Habitation, Prehistoric	P.P. and L		Unknown	Not evaluated
36Lu0048	NA	SES-16	Archeological Site	Berwick	P	Unknown Prehistoric	Open Habitation, Prehistoric	P.P. and L		Unknown	Not evaluated
36Lu0052	NA	SES-14	Archeological Site	Berwick	P	A, LA, Tr, EW	Open Habitation, Prehistoric	P.P. and L		Unknown	Not evaluated
36Lu0056	NA	none	Archeological Site	Berwick	unknown	unknown	undefined	unknown		Unknown	Not evaluated
36Lu0090	NA	Sapphire	Archeological Site	Berwick	P	LA, Tr, W, EW, MW, LW	Open Habitation, Prehistoric (possible village)	unknown		Unknown	Not evaluated
36Lu0105	NA	Ruben	Archeological Site	Berwick	P	LA, Tr, W, EW, MW, LW	Open Habitation, Prehistoric			Unknown	Not evaluated
NA	BMS 40403900200000	SR 4039/TR 482 Over Small Brock	Bridge	Berwick	H	1941	Arch Culvert, Stone	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40722804367108	TR 436 Over Beach Haven Creek (Bridge # 47108)	Bridge	Berwick	H	1937	Slab, Simple, Reinforced Concrete	Public-local	Luzerne County	Unknown	Not evaluated
Slocum Township (1 record)											
36Lu0102	NA	Dug-out-Canoe	Archeological Site	Nanticoke	P	Unknown Prehistoric	Other Specialized Aboriginal Site	unknown		Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
Sugarloaf Township (8 records)											
86552	86457	Foothills Farm	Building	Conyngham	H	1900-Present	Barn design, wood	Private	Individual	Unknown	Not evaluated
36Lu0216	NA	Billhamer/ Birdmill	Archeological Site	Sybertsville	H	19thC	water-powered mill	unknown		Unknown	Not evaluated
NA	BMS 40009302300000	SR 93 Over Nescopeck Creek	Bridge	Sybertsville	H	1937 (altered 1986)	Pony Truss, Parker, Steel	Public-state	PennDOT	Unknown	Not evaluated
NA	BMS 40723003057309	East County Road 37 Over Little Nescopeck Creek	Bridge	Sybertsville	H	1939	Rigid Frame, Reinforced Concrete	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40723003327301	TR 332 Over Nescopeck Creek	Bridge	Berwick	H	1933	T-Beam, Simple, Reinforced Concrete	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40723003367305	TR 336 (Mill Hill Road) Over Nescopeck Creek	Bridge	Sybertsville	H	1907-1911	Pony Truss, Warren, Steel	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40723003387313	TR 338 Over Little Nescopeck Creek (Bridge # 57313)	Bridge	Conyngham	H	1924 (altered 1968)	Deck Girder, Simple, Steel	Public-local	Luzerne County	Unknown	Not evaluated
NA	BMS 40723003887307	TR 388 Over Nescopeck Creek	Bridge	Sybertsville	H	1895ca (altered 1925)	Pony Truss, Warren, Metal	Public-local	Luzerne County	Unknown	Not evaluated
Union Township (5 records)											
119612	112237	Bridge, Structure 4020006800349 21	Bridge	Sweet Valley	H	NA	Arch, masonry	Public-local	Union TWP	Unknown	Not evaluated

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Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
36Lu0033	NA	none	Archeological Site	Nanticoke	P	LA, Tr	Open Habitation, Prehistoric	State of Pa Retreat State (mental) Hospital		Unknown	Not evaluated
36Lu0034	NA	none	Archeological Site	Nanticoke	P	LA, Tr	Open Habitation, Prehistoric	State of Pa Retreat State (mental) Hospital		Unknown	Not evaluated
36Lu0035	NA	none	Archeological Site	Nanticoke	P	A, Tr	Open Habitation, Prehistoric	State of Pa Retreat State (mental) Hospital		Unknown	Not evaluated
36Lu0036	NA	none	Archeological Site	Nanticoke	P	EA	Open Habitation, Prehistoric	State of Pa Retreat State (mental) Hospital		Unknown	Not evaluated

* P = Prehistoric, H = Historic

** P=Prehistoric; H=Historic A=Archaic; EA=Early Archaic; MA=Middle Archaic; LA=Late Archaic; Tr=Transitional Archaic; W=Woodland; EW=Early Woodland; MW=Middle Woodland; LW=Late Woodland

Table 2.5-48 Unmapped Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (45 Records)
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Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
Columbia County (23 records)											
Berwick Borough (6 records)											
20529	20438	none	Building	Mifflinville	H	1877	unknown			Undetermined	Not evaluated
20540	20449	none	Site	Mifflinville	H	1800	undefined			Undetermined	Not evaluated
20541	20450	none	Building	Mifflinville	H	1820	Vernacular PA, Lock House, Brick			Undetermined	Not evaluated
20542	20451	none	Building	Mifflinville	H	1840	Vernacular, Romanesque Revival, Brick			Undetermined	Not evaluated
20543	20452	none	Building	Mifflinville	H	1880	Vernacular PA, Commercial, Frame			Undetermined	Not evaluated
20569	20478	none	Building	Mifflinville	H	1890	Vernacular, Italianate, Brick			Undetermined	Not evaluated
Briar Creek Borough (2 records)											
19564	19473	none	Building	Mifflinville	H	1840-1959	Vernacular Federal, Brick	Private	Individual	Undetermined	Not evaluated
20582	20491	none	Building	NA	H	1900	unknown			Undetermined	Not evaluated
Briar Creek Township (2 records)											
132677	119414	none	Bridge	NA	H	1938	Concrete			Ineligible	yes
132684	119421	none	Bridge	NA	H	1936	Steel			Ineligible	yes
Fishing Creek Township (12 records)											
19626	19535	none	Building	NA	H	1860	unknown			Undetermined	Not evaluated
19627	19536	none	Building	NA	H	1860	unknown			Undetermined	Not evaluated
19628	19537	none	Building	NA	H	1860	unknown			Undetermined	Not evaluated
19629	19538	none	Building	NA	H	1860	unknown			Undetermined	Not evaluated
19630	19539	none	Building	NA	H	1860	unknown			Undetermined	Not evaluated
19631	19540	none	Building	NA	H	1880	unknown			Undetermined	Not evaluated
19632	19541	none	Building	NA	H	1860	unknown			Undetermined	Not evaluated
19633	19542	Kunkel House	Building	NA	H	1860	unknown			Undetermined	Not evaluated
19634	19543	none	Building	NA	H	1840	unknown			Undetermined	Not evaluated
20616	20525	none	Building	NA	H	1860	unknown			Undetermined	Not evaluated

Table 2.5-48 Unmapped Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (45 Records)
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Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
20617	20526	Harrison, Neil S., General Store	Building	NA	H	1880	unknown			Undetermined	Not evaluated
20618	20527	Jonestown School	Building	NA	H	1900	unknown			Undetermined	Not evaluated
Mifflin Township (1 records)											
144067	131806	Strafford - Potential Historic District	District	Mifflinville	H	1850-2000	NA	Various	Multiple owners	Ineligible	yes
Luzerne County (20 records)											
Black Creek Township (1 record)											
89635	89539	Morton House	Building	Nuremberg	H	1850	Wood	Private	Individual	Eligible	yes
Butler Township (1 record)											
109969	107999	Keystone Job Corps Center	District	NA	H	1925	Various	Private	Keystone Job Corps Center	Unknown	Not evaluated
Corryningham Borough (1 record)											
97859	97759	Phoenix Hotel	Building	Corryningham	H	1816	wood porches, sandstone	Private and Public-	Individual	Unknown	Not evaluated
Corryningham Township (6 records)											
89134	89038	House No. 2	Building	Berwick	H	NA	Concrete			Ineligible	yes
89135	89039	none	Building	Shickshinny	H	NA	wood			Ineligible	yes
96837	96738	Sarday Store (VFW Post)	Building	NA	H	1919 interior remodeled in 1947 and 1972	VFW building, ceramic tile			Ineligible	yes
135677	122414	none	Bridge	NA	H	1997	Steel			Ineligible	yes
86527	86432	Union Reformed & Lutheran Church	Building	NA	H	1833	Church, original schoolhouse wood	Private	Union Reformed and Lutheran Church	Unknown	Not evaluated
119536	112205	House	Building	NA	H	NA	unknown			Undetermined	Not evaluated
Hazle Township (1 record)											
89160	89064	Harleigh Terrace, Property	Building	NA	H	NA	rubble, wood			Ineligible	yes

Table 2.5-48 Unmapped Cultural Resources Within 10 mi (16 km) of the Bell Bend Project (45 Records)
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Key No./ Site No.	Inventory ID/ BMS No.	Name	Resource Type	Quad	P/H*	Age/ Components	Description	Ownership	Agency	NRHP Status	SHPO Concurrence
Hunlock Township (2 records)											
135737	122474	none	Bridge	NA	H	1910	Steel			Eligible	Yes
89167	89071	Cragle Hill Rd. Property	Building	NA	H	NA	Wood			Ineligible	yes
Huntington Township (3 records)											
135742	122479	none	Bridge	NA	H	1927	Concrete			Ineligible	yes
90640	90544	Heuberville Mill	Building	NA	H	1781-1800	folk, wood frame	Private	Individual	Undetermined	Not evaluated
102283	102182	Huntington Hardware/ Koons, F.A.B., Store	Building	Shicks hinny	H	NA	3 story, wooden porch	Private	Individual	Undetermined	Not evaluated
Nescopeke Township (1 record)											
135787	122524	none	Bridge	NA	H	1997	Concrete			Ineligible	yes
New Columbus Borough (1 record)											
135789	122526	none	Bridge	NA	H	1927	Stone			Ineligible	yes
Ross Township (1 record)											
135815	122552	none	Bridge	NA	H	1888	Wrought Iron			Ineligible	yes
Sugarloaf Township (1 record)											
110531	108345	none	District	NA	H	1850	Brick			Undetermined	Not evaluated
Union Township (1 record)											
112393	109540	Warriors Path Site	District	Shicks hinny	P/H	NA	Prehistoric Indian path with associated historic and prehistoric sites			Undetermined	Not evaluated
Schuylkill County (2 records)											
North Union Township (2 records)											
137958	124695	none	Bridge	NA	H	1931	Concrete			Ineligible	yes
137959	124696	none	Bridge	NA	H	1924	Concrete			Ineligible	yes

* P = Prehistoric, H = Historic

** P=Prehistoric; H=Historic A=Archaic; EA=Early Archaic; MA=Middle Archaic; LA=Late Archaic; TI= Transitional Archaic; W=Woodland; EW=Early Woodland; MW=Middle Woodland; LW=Late Woodland

Table 2.5-49 Census Block Groups within 50 mi (80 km) of BBNPP with Minority and Low-Income Populations, 2000

County	Total Number of Census Block Groups	Number of Minority Census Block Groups ⁽¹¹⁾								Aggregate (Total) of Racial Minorities	Hispanic/Latino Ethnicity	Number of Low-Income Census Block Groups ⁽¹⁾
		Black or African American	American Indian or Alaskan Native	Asian	Native Hawaiian or Other Pacific Islander	Some Other Race	Multi-Racial					
Berks	76	0	0	0	0	0	0	0	0	1	0	1
Bradford	23	0	0	0	0	0	0	0	0	0	0	0
Carbon	48	0	0	0	0	0	0	0	0	0	0	0
Columbia	55	0	0	0	0	0	0	0	0	0	0	3 ⁽²⁾
Dauphin	13	0	0	0	0	0	0	0	0	0	0	0
Lackawanna	195	0	0	0	0	0	0	0	0	6	0	6 ⁽³⁾
Lebanon	18	0	0	0	0	0	0	0	0	0	0	0
Lehigh	174	1	0	1	0	0	0	19	0	54 ⁽⁴⁾	16	13 ⁽⁵⁾
Luzerne	314	4	0	0	0	0	0	0	0	5 ⁽⁶⁾	0	13 ⁽⁷⁾
Lycoming	101	8	0	0	0	0	0	0	0	8 ⁽⁸⁾	0	9 ⁽⁹⁾
Monroe	50	1	0	0	0	0	0	0	0	6	0	0
Montour	14	0	0	0	0	0	0	0	0	0	0	0
Northampton	54	0	0	0	0	0	0	0	0	0	0	0
Northumberland	94	1	0	0	0	0	0	0	0	2	0	5 ⁽¹⁰⁾
Pike	4	0	0	0	0	0	0	0	0	0	0	0
Schuylkill	145	2	0	0	0	0	0	0	0	2	0	2
Snyder	23	0	0	0	0	0	0	0	0	0	0	0
Sullivan	6	0	0	0	0	0	0	0	0	0	0	0
Susquehanna	14	0	0	0	0	0	0	0	0	0	0	0
Union	24	2	0	0	0	0	0	0	0	2	0	1
Wayne	15	0	0	0	0	0	0	0	0	1	0	0
Wyoming	23	0	0	0	0	0	0	0	0	0	0	0
Totals	1,483	19	0	1	0	0	0	19	0	87	16	53

Table 2.5-49 Census Block Groups within 50 mi (80 km) of BBNPP with Minority and Low-Income Populations, 2000

County	Total Number of Census Block Groups	Number of Minority Census Block Groups ⁽¹¹⁾							Number of Low-Income Census Block Groups ⁽¹⁾
		Black or African American	American Indian or Alaskan Native	Asian	Native Hawaiian or Other Pacific Islander	Some Other Race	Multi-Racial	Aggregate (Total) of Racial Minorities	
<p>Notes:</p> <p>(1) A census block group is defined as low income if the percentage of households below governmental poverty thresholds exceed 50%, or the percentage is 20% more than the poverty level for the comparative geographic area within 50 mi (80 km) of BBNPP</p> <p>(2) 2 census block groups in Columbia County have >50% of its households below the governmental poverty threshold, the remaining block group meets the 20% criterion</p> <p>(3) 1 census block group in Lackawanna County has >50% of its households below the governmental poverty threshold, the remaining 5 block groups meet the 20% criterion</p> <p>(4) 8 census block groups in Lackawanna County have an aggregate minority population > 50%, the remaining 46 block groups meet the 20% criteria</p> <p>(5) 2 census block groups in Lehigh County have >50% of the households below the governmental poverty threshold, the remaining 11 block groups meet the 20% criterion</p> <p>(6) 2 census block groups in Luzerne County have an aggregate minority population > 50%, the remaining 3 block groups meet the 20% criteria</p> <p>(7) 1 census block group in Luzerne County has >50% of the households below the governmental poverty threshold, the remaining 12 block groups meet the 20% criterion</p> <p>(8) 1 census block group in Lycoming County has an aggregate minority population > 50%, the remaining 7 block groups meet the 20% criteria</p> <p>(9) 1 census block group in Lycoming County has >50% of the households below the governmental poverty threshold, the remaining 8 block groups meet the 20% criterion</p> <p>(10) 1 census block group in Northumberland County has >50% of the households below the governmental poverty threshold, the remaining 4 block groups meet the 20% criterion</p> <p>(11) Unless otherwise indicated, all other census block groups in this table meet the 20% threshold level.</p>									

Table 2.5-50 Census Block Groups and Percentages of Minority People within 50 mi (80 km) of the BNPP Site, 2000

Area	Total Number of Census Block Groups	Aggregate (Total) Number of Minority Census Block Groups	Percentage of People that are Minorities Within the Census Block Groups						Aggregate (Total) of Racial Minorities	Percent of Ethnic MinorityHispanic/Latino
			African-Americans	Native Americans, Indians, or Alaskans	Asians	Native Hawaiians or Other Pacific Islanders	Some Other Race	Multi-Racial Persons		
50 mi (80 km) Radius	1,483	87	2.26	0.13	0.80	0.02	1.24	0.89	8.25	2.91
Region of Influence										
Luzerne County	314	5	1.69	0.09	0.58	0.01	0.43	0.57	4.54	1.16
Columbia County	55	0	0.80	0.15	0.52	0.03	0.33	0.58	0.95	0.95
Total	369	5	1.55	0.10	0.57	0.02	0.41	0.57	4.34	1.13

Table 2.5-51 Minority Populations in Luzerne County, Columbia County, the Scranton-Wilkes-Barre-Hazleton MSA, and Commonwealth of Pennsylvania, 2000 and 2006

Year/Minority Populations	Luzerne County		Columbia County		Scranton-Wilkes-Barre-Hazleton Metropolitan Statistical Area		Pennsylvania	
	Number	%	Number	%	Number	%	Number	%
2000								
Total:	319,250	100.0	64,151	100.0	624,776	100.0	12,281,054	100.0
One race:	317,435	99.4	63,780	99.4	621,011	99.4	12,138,830	98.8
Caucasian	308,476	96.6	62,602	97.6	604,836	96.8	10,484,203	85.4
African American	5,408	1.7	516	0.8	8,866	1.4	1,224,612	10.0
Native American and Alaska Native	285	0.1	94	0.1	611	0.1	18,348	0.1
Asian	1,860	0.6	334	0.5	3,873	0.6	219,813	1.8
Native Hawaiian and Other Pacific Islander	47	-	21	-	92	-	3,417	-
Other	1,359	0.4	213	0.3	2,733	0.4	188,437	1.5
Two or more races:	1,815	0.6	371	0.6	3,765	0.6	142,224	1.2
Hispanic/Latino Ethnic Origin	3,713	1.2	609	0.9	7,467	1.2	394,088	3.2
2006								
Total:	313,020	100.0	65,014	100.0	n/a	n/a	12,440,621	100.0
One race:	310,552	99.2	64,820	99.7	n/a	n/a	12,289,713	98.8
Caucasian	296,635	94.8	63,052	97.0	n/a	n/a	10,429,732	83.8
African American	7,514	2.4	545	0.8	n/a	n/a	1,289,799	10.4
Native American and Alaska Native	544	0.2	323	0.5	n/a	n/a	17,634	0.1
Asian	2,859	0.9	586	0.9	n/a	n/a	289,289	2.3
Native Hawaiian and Other Pacific Islander	-	0.0	-	0.0	n/a	n/a	3,332	0.0
Other	3,000	1.0	314	0.5	n/a	n/a	259,927	2.1
Two or more races:	2,468	0.8	194	0.3	n/a	n/a	150,908	1.2
Hispanic/Latino Ethnic Origin	10,246	3.3	905	1.4	n/a	n/a	542,142	4.2

Notes:

- = represents zero or rounds to zero

n/a = not available

Columbia County was originally part of the MSA in 2000; however based on the latest information available on the MSA boundaries, Columbia County is no longer part of the Scranton-Wilkes-Barre-Hazleton MSA but is now part of a micropolitan area. Therefore, comparisons between 2000 and 2006 cannot be made.

Table 2.5-52 Census Block Groups and Percentages of Households within 50 mi (80 km) of BBNPP with Low-Income Populations, 2000

State / Area	Total Number of Census Block Groups	Number of Low-Income Census Block Groups	Percentage of Low-Income Households in Census Block Groups
50 mi (80 km) Radius	1,483	53	10.2
Region of Influence			
Luzerne County	314	13	12.4
Columbia County	55	3	11.6
Total	369	16	n/a

Note:

n/a = not applicable

Table 2.5-53 Low-Income Populations in Luzerne County, Columbia County, the Scranton-Wilkes-Barre-Hazleton MSA, and Commonwealth of Pennsylvania, 2000 and 2006

Year/Low-Income Populations	Luzerne County		Columbia County		Scranton-Wilkes-Barre-Hazleton Metropolitan Statistical Area		Pennsylvania	
	Number	%	Number	%	Number	%	Number	%
2000								
Families below Poverty	6,827	8.1	1,178	7.1	12,545	7.6	250,296	7.8
All Income Levels	84,729		16,703		165,223		3,225,707	
Individuals below Poverty	34,136	11.1	7,899	13.1	66,626	11.1	1,304,117	11
Population for whom poverty status is determined	307,988		60,324		602,228		11,879,950	
2006								
Families below Poverty	8,455	10.2	917	5.4	n/a	n/a	260,295	8.2
All Income Levels	82,892		16,985		n/a		3,174,335	
Individuals below Poverty	40,379	13.3	6,434	10.7	n/a	n/a	1,448,228	12.1
Population for whom poverty status is determined	303,708		60,337		n/a		12,015,358	

Notes:

n/a = not available

Columbia County was originally part of the MSA in 2000; however based on the latest information available on the MSA boundaries, Columbia County is no longer part of the Scranton-Wilkes-Barre-Hazleton MSA but is now part of a micropolitan area. Therefore, comparisons between 2000 and 2006 cannot be made.

Table 2.5-54 Deer Harvests in Wildlife Management Units

Year	Wildlife Management Unit				Total
	No. 3B	No. 3D	No. 4C	No. 4E	
2007-08	16,100	10,600	14,200	11,400	52,300
2006-07	17,100	12,400	15,000	13,100	57,600
2005-06	16,900	11,200	15,700	13,600	57,400
2004	19,800	14,300	17,500	15,100	66,700

Table 2.5-55 Deer Harvests in Luzerne County, Columbia County, and the ROI

Harvest/Year	County		Total ROI
	Luzerne	Columbia	
Deer Harvest			
2003	8,880	5,800	14,680
2002	9,751	6,111	15,862
2001	9,556	6,985	16,541
2000	8,338	7,104	15,442
1999	6,753	4,629	11,382
1998	6,245	4,565	10,810
Archery Deer Harvest			
2003	1,000	710	1,710
2002	1,190	729	1,919
2001	1,141	878	2,019
2000	1,284	1,093	2,377
1999	1,164	865	2,029
1998	952	759	1,711
Flintlock Deer Harvest			
2003	710	480	1,190
2002	639	369	1,008
2001	430	385	815
2000	497	405	902
1999	256	120	376
1998	113	83	196
Totals			
2003	10,590	6,990	17,580
2002	11,580	7,209	18,789
2001	11,127	8,248	19,375
2000	10,119	8,602	18,721
1999	8,173	5,614	13,787
1998	7,310	5,407	12,717

Table 2.5-56 Spring and Fall Turkey Harvests by Management Area

Harvest Year	Management Area			
	No. 8	No. 5	No. 4	Total
2002	6,181	6,169	9,220	21,570
2001	4,114	4,285	6,516	14,915
2000	6,676	7,097	6,907	20,680
1999	4,053	5,310	6,552	15,915
1998	n/a	n/a	n/a	n/a

Note: n/a = not available

Table 2.5-57 Black Bear Harvests in Luzerne County, Columbia County, and the ROI

Harvest Year	County		Total ROI
	Luzerne	Columbia	
2006	62	27	89
2004-2005	n/a	n/a	n/a
2003	103	42	145
2002	67	41	108
2001	95	36	131
2000	72	33	105
1999	19	15	34
1998	76	42	118

Note:
n/a - Not available

Table 2.5-58 Beaver Harvests in Luzerne County, Columbia County, and the ROI

Harvest Year	County		Total ROI
	Luzerne	Columbia	
2001	294	66	360
2000	225	31	256
1999	210	60	270
1998	229	30	259
1997	341	66	407
1996	292	45	337
1995	132	32	164
1994	250	75	325
1993	114	8	122
1992	181	33	214
1991	109	23	132

Figure 2.5-1 BBNPP 50 Mile (80 km) Radius Map

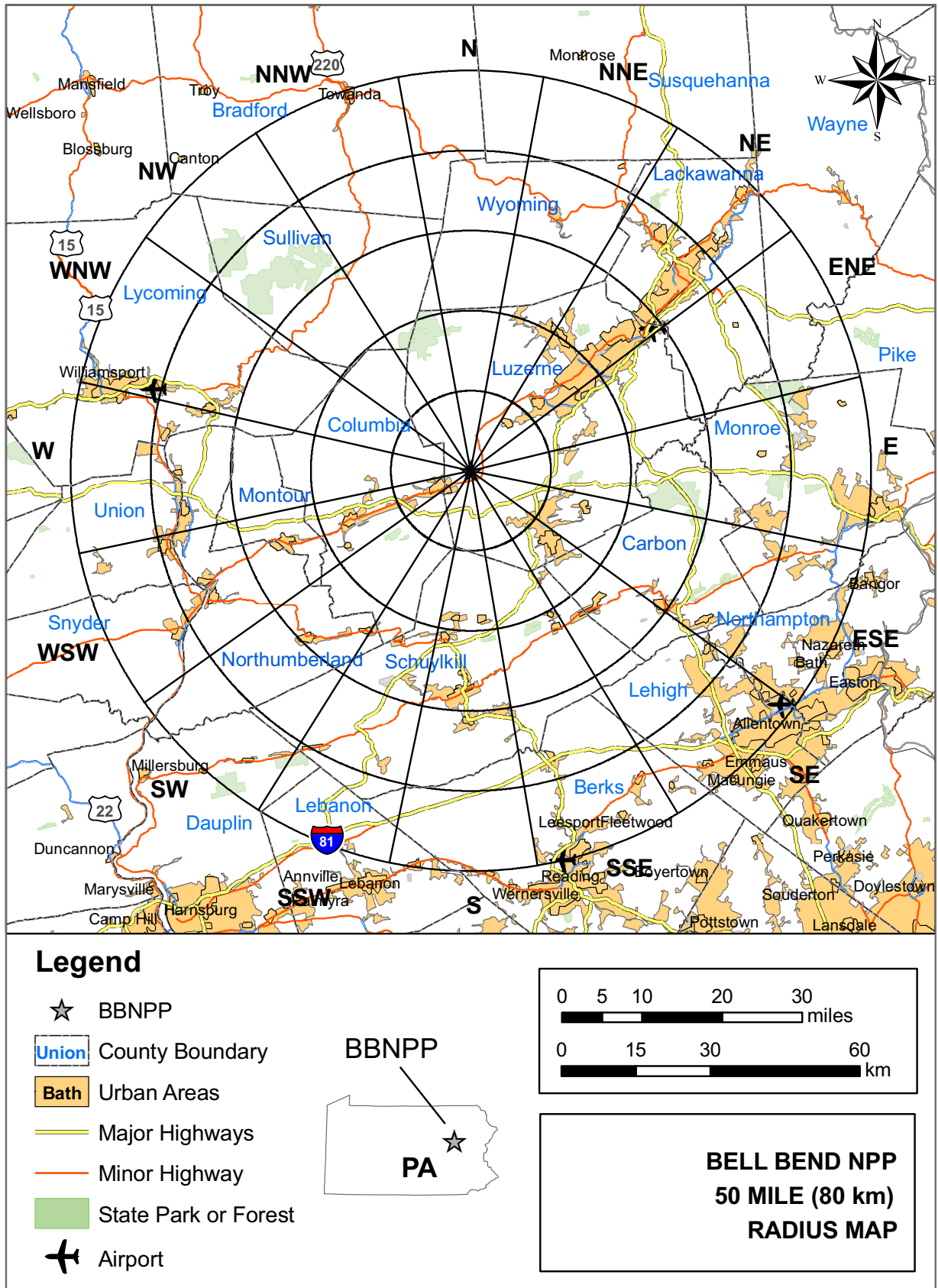


Figure 2.5-2 BBNPP 10 Mile (16km) Radius Map

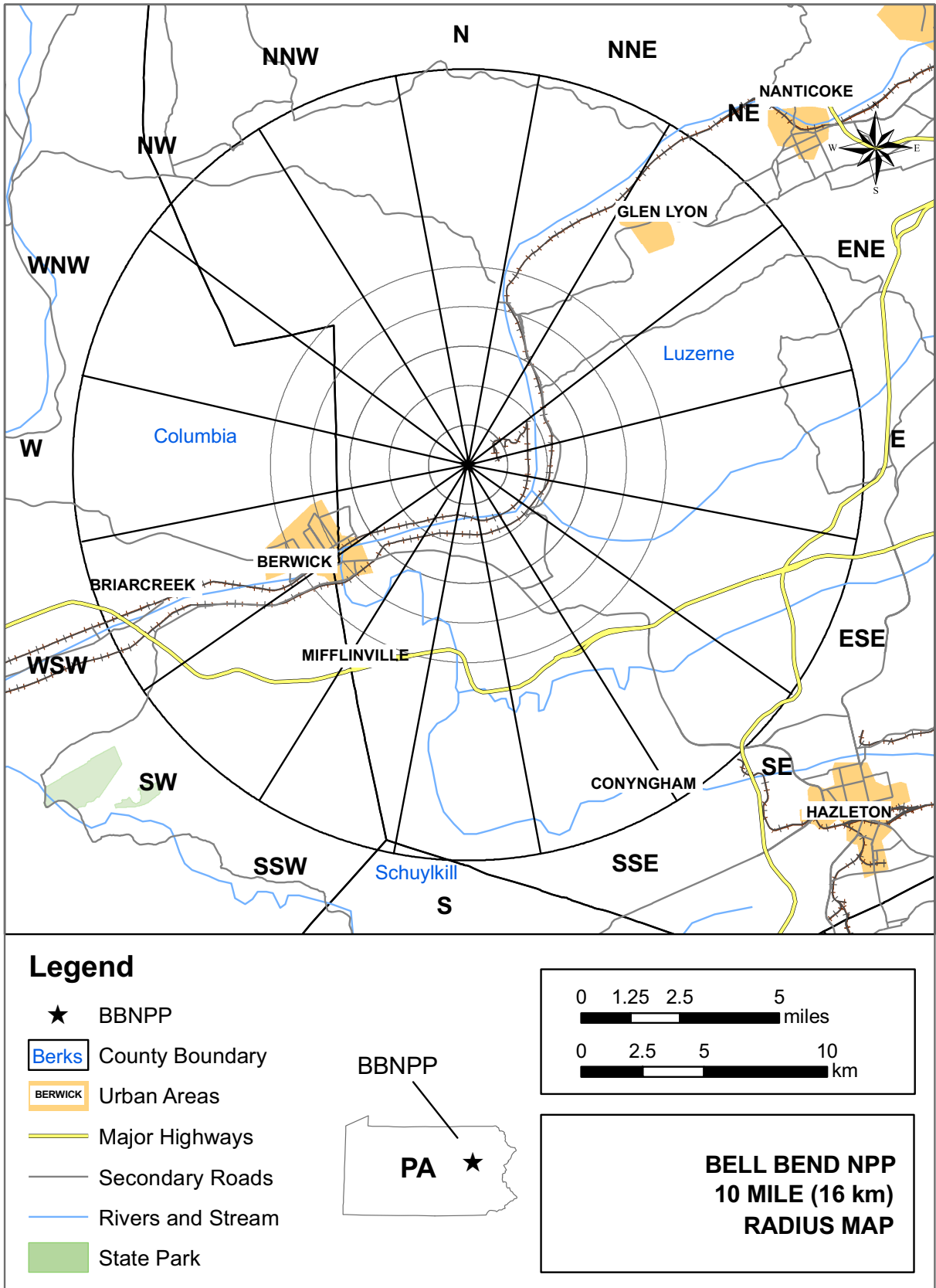


Figure 2.5-3 BBNPP Low Population Zone

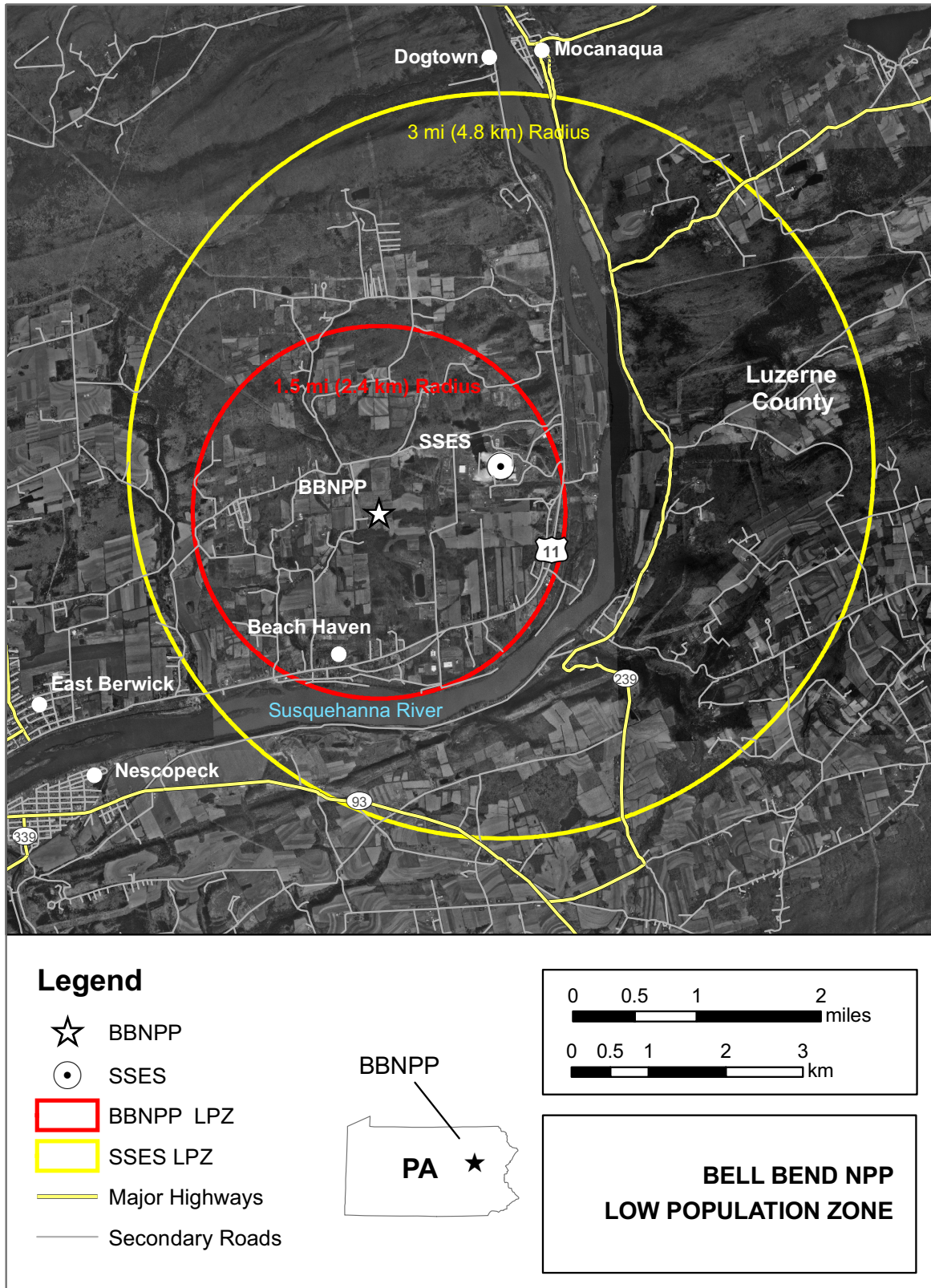


Figure 2.5-4 Locations Surveyed as Part of the Phase 1A Reconnaissance

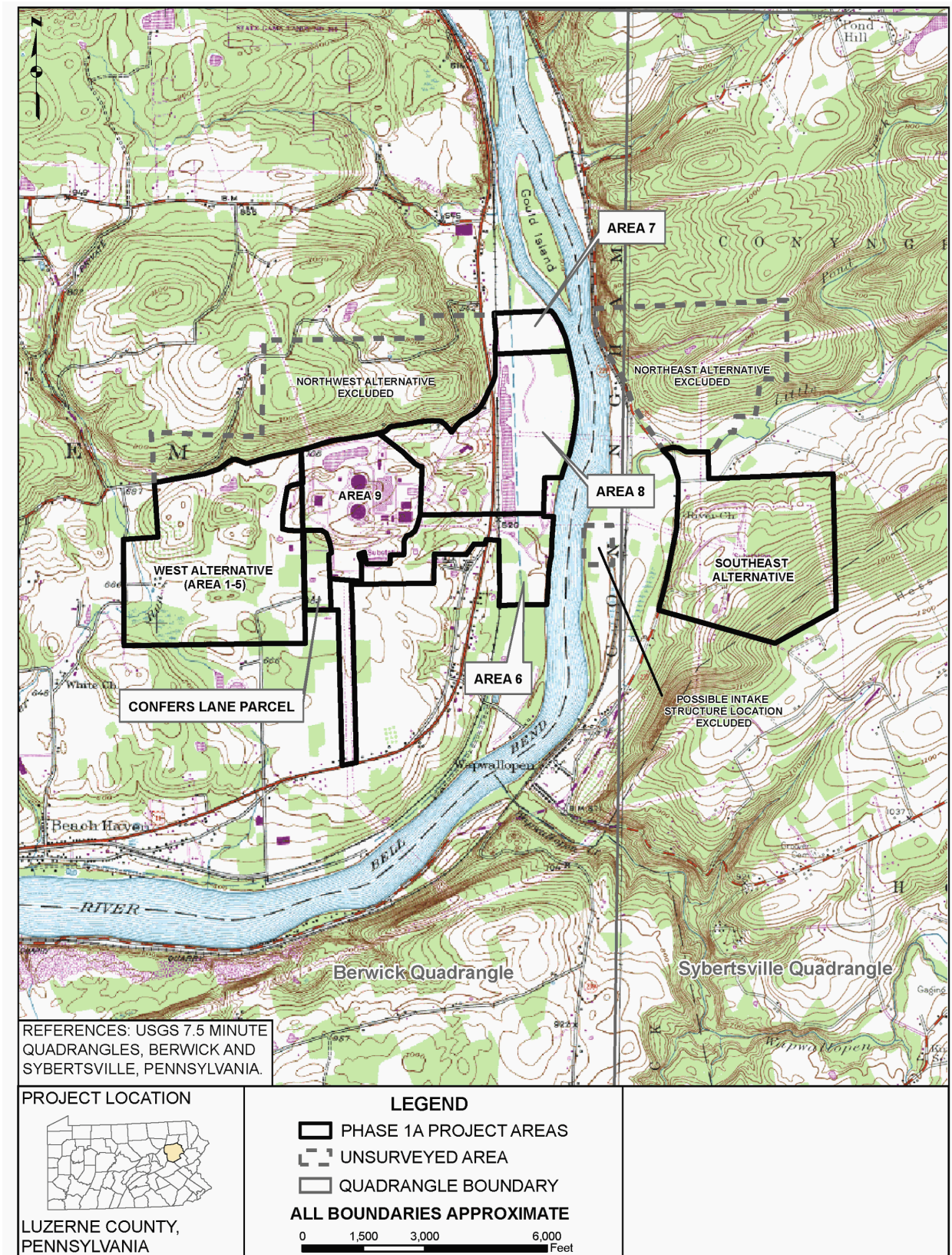
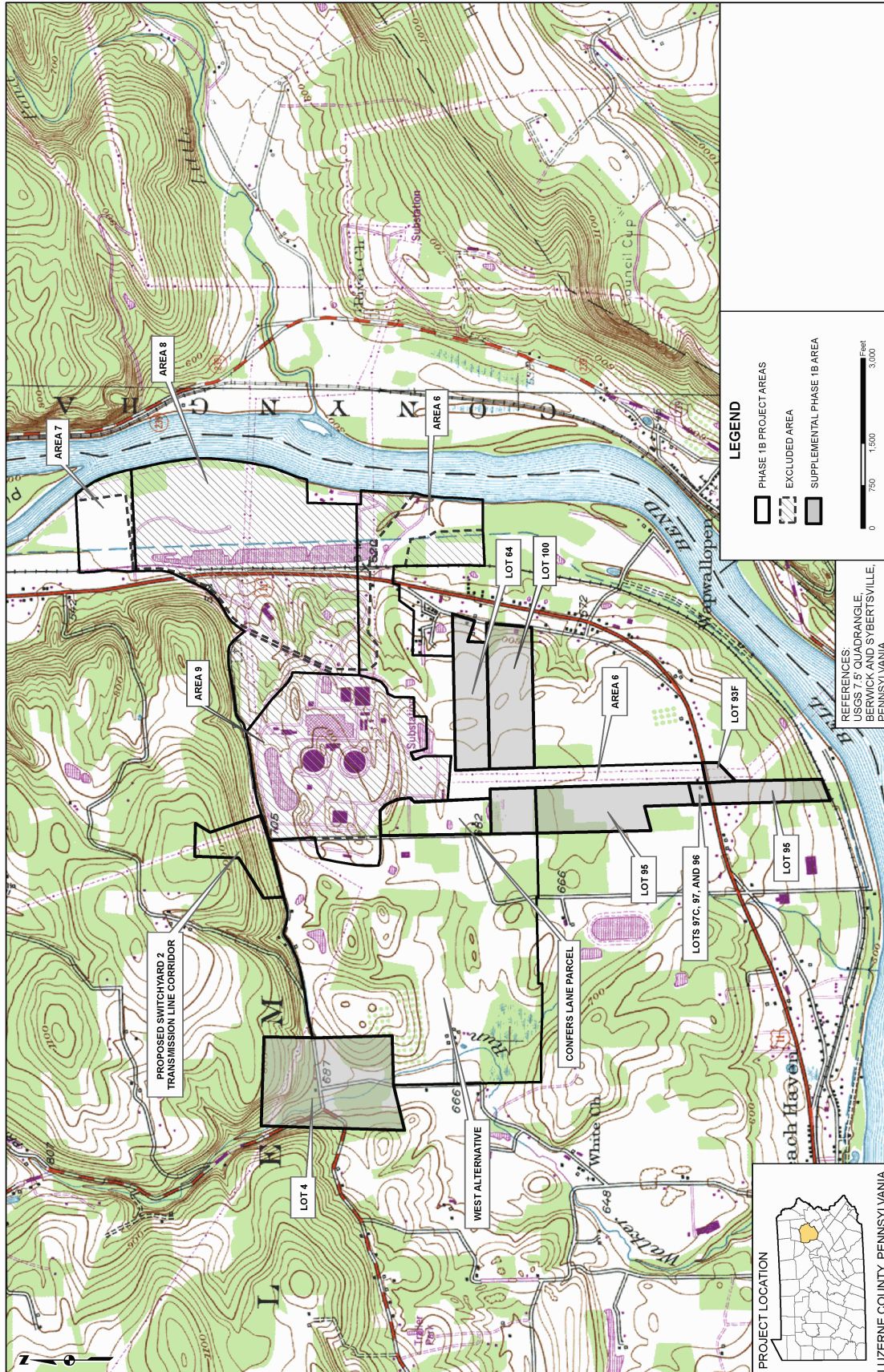


Figure 2.5-5 Phase 1b Project Location



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Figure 2.5-9 Black or African-American Minority Population

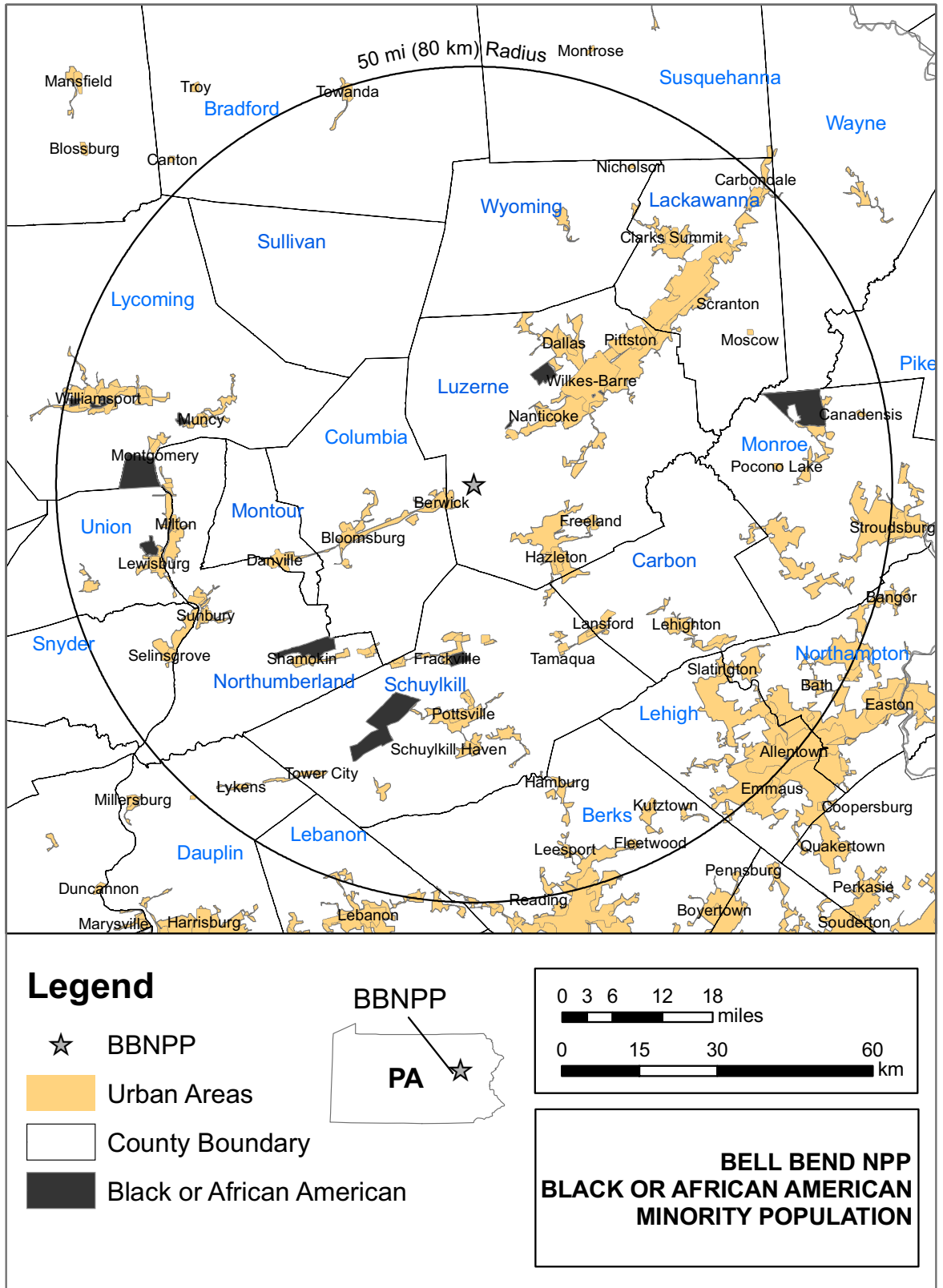


Figure 2.5-10 Asian Minority Population

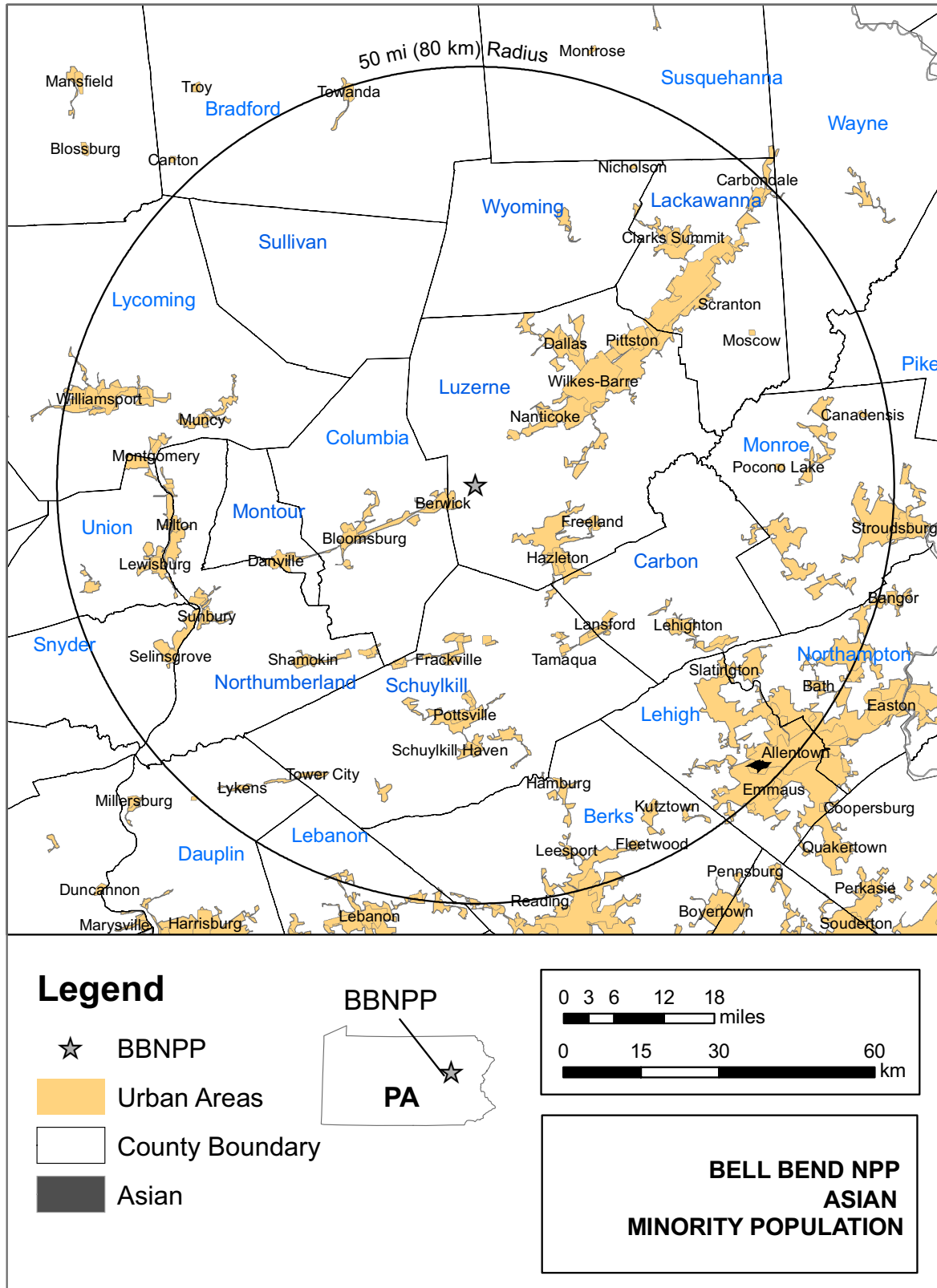


Figure 2.5-11 Some Other Minority Population

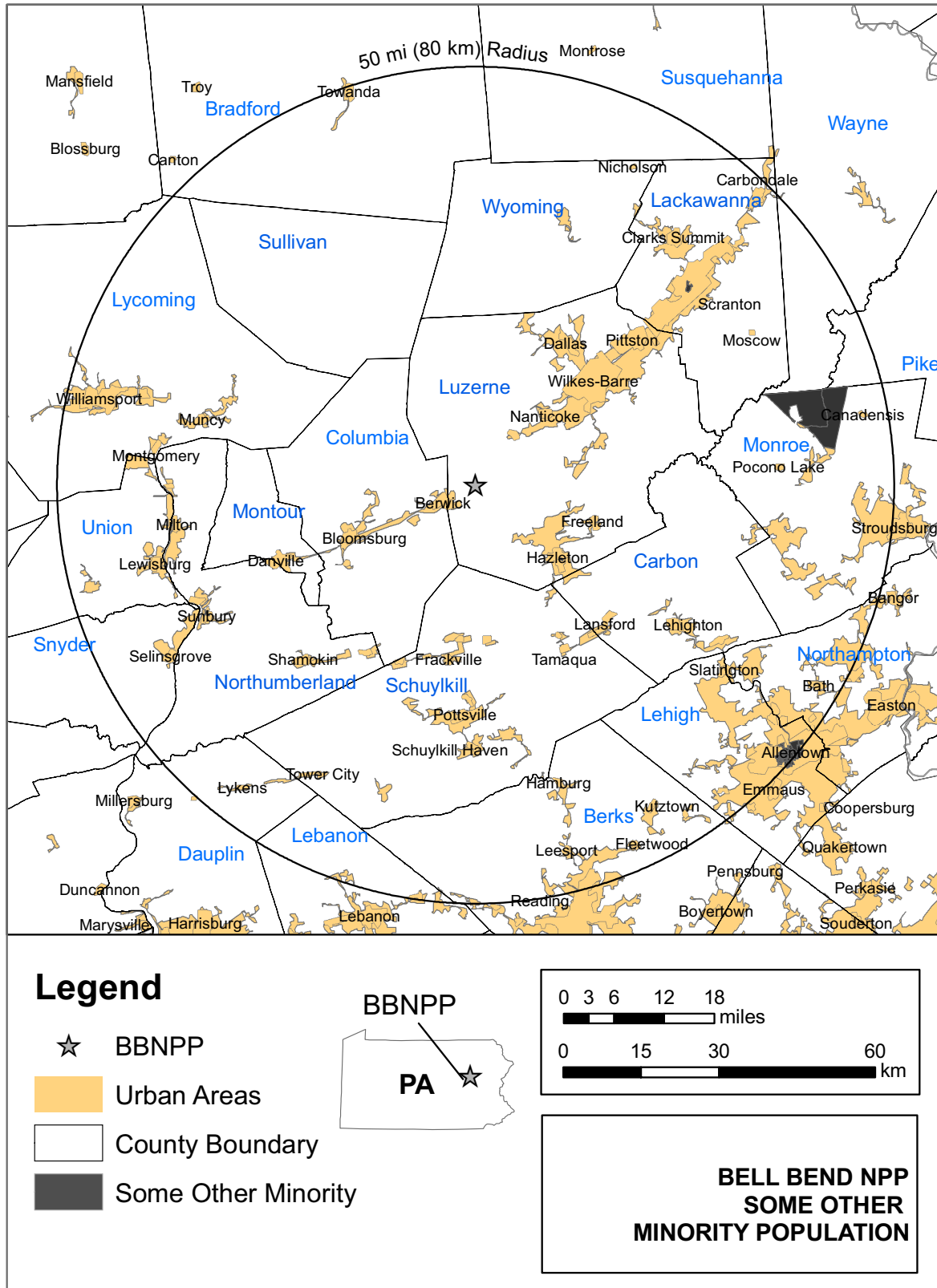


Figure 2.5-12 Aggregate Minority Population

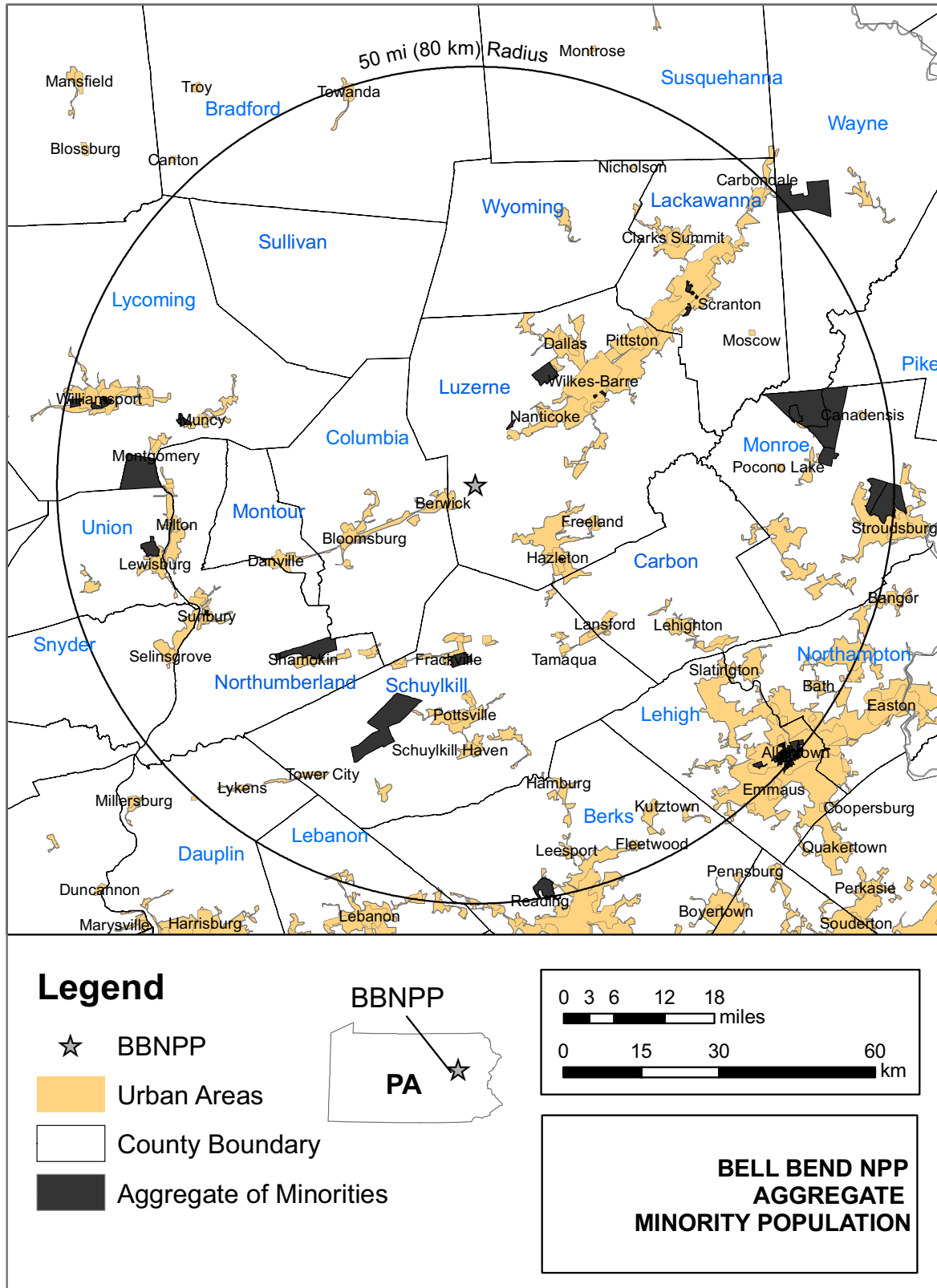


Figure 2.5-13 Hispanic or Latin American Minority Population

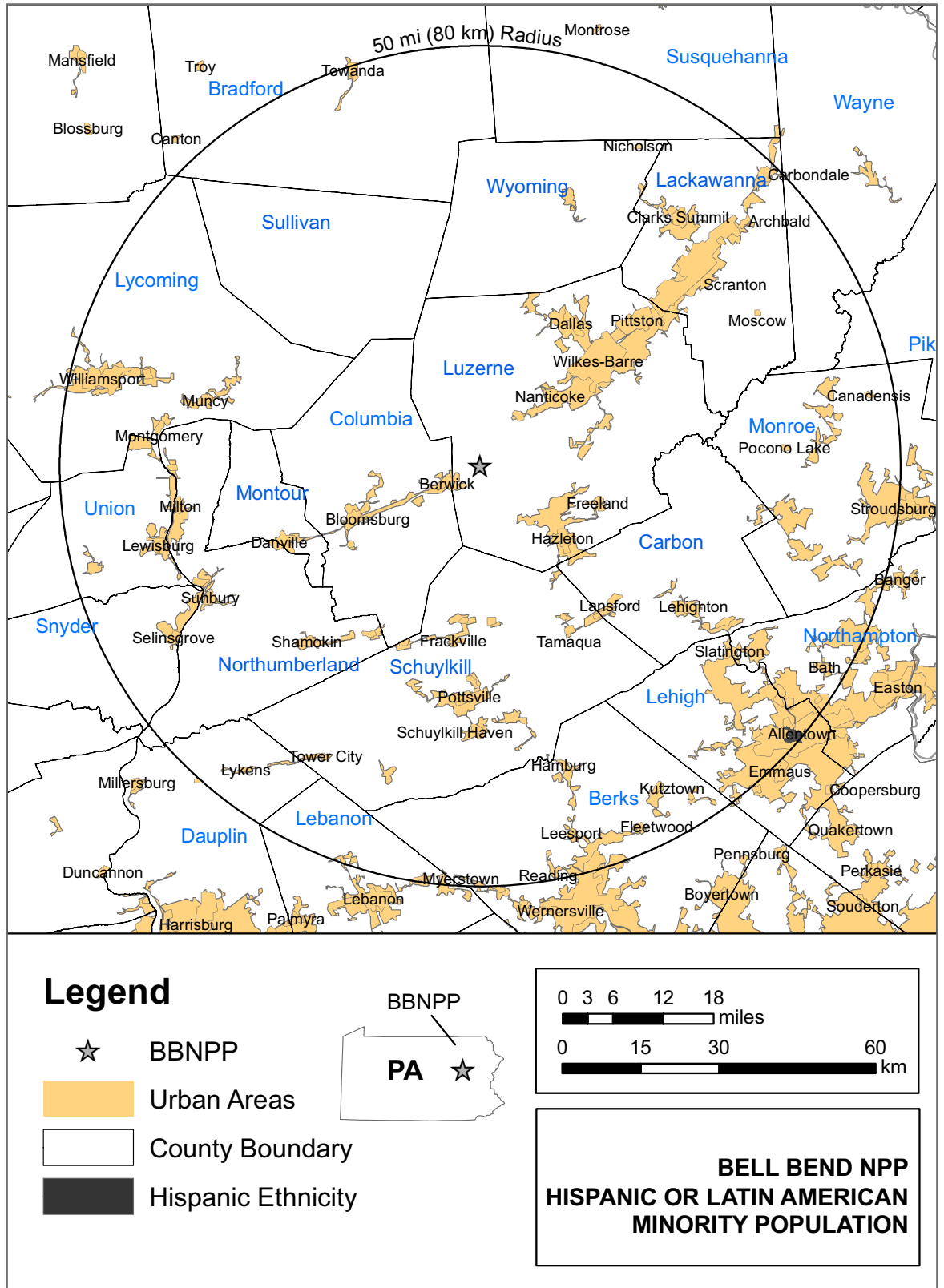
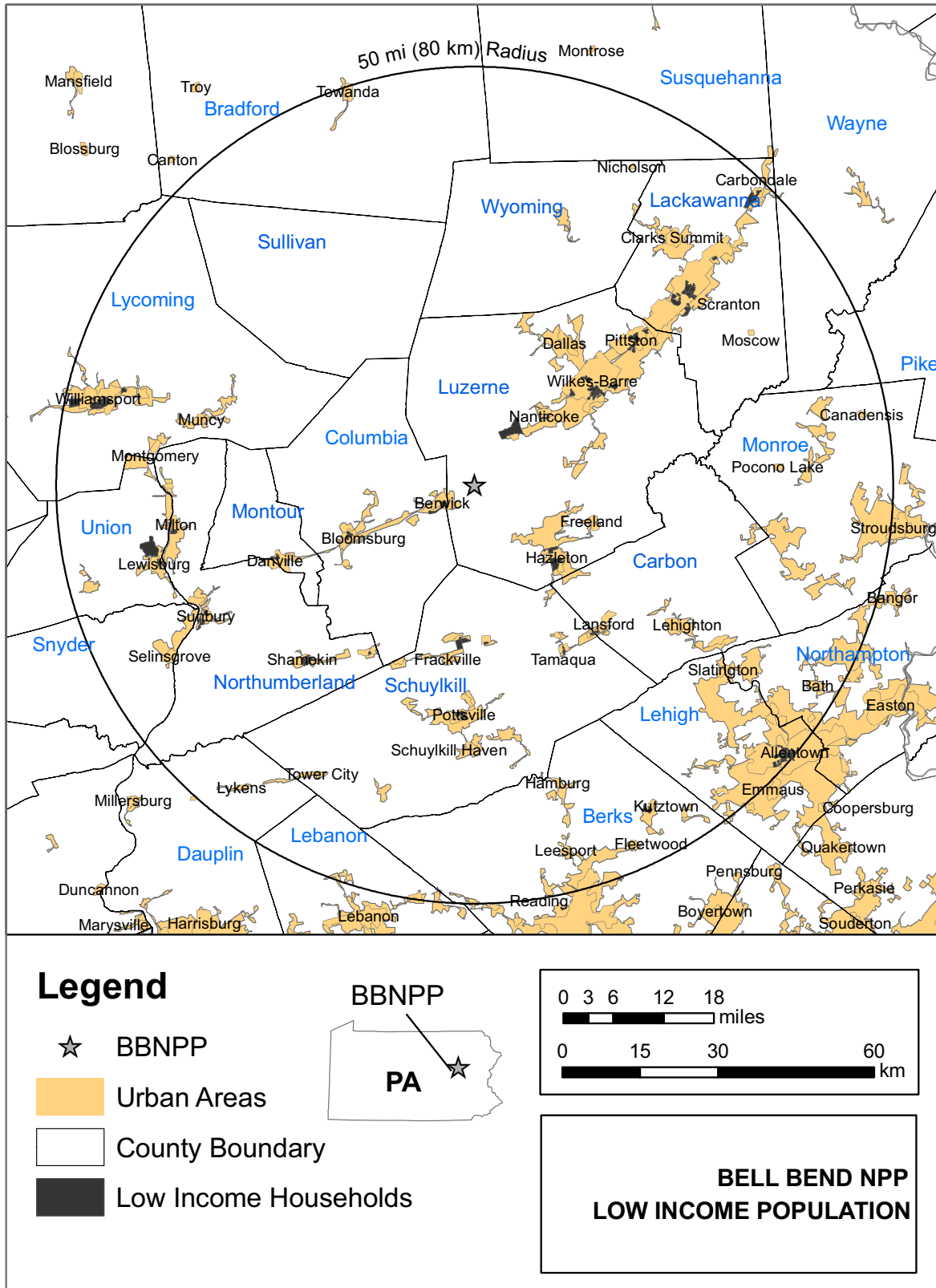


Figure 2.5-14 Low Income Population



2.6 GEOLOGY

This section contains a brief description of the geologic conditions that are present at and in the vicinity of the BBNPP site. Groundwater and surface water are discussed in Section 2.3. The BBNPP Final Safety Analysis Report (FSAR) presents detailed geological, seismological and geotechnical site evaluations in FSAR Section 2.5.

2.6.1 GEOLOGIC SETTING

The BBNPP site area lies within the Ridge and Valley Physiographic Province (Inners, 1978) as shown in Figure 2.6-1 (Fenneman, 2002).

The BBNPP site is blanketed by glacio fluvial deposits, and was subjected to both glacial and periglacial events during the Quaternary period. Underneath this glacio fluvial overburden lies middle Devonian bedrock. Erosion and downcutting from the Susquehanna River, and its tributary streams, have dissected the overburden, leaving many isolated outcrops throughout much of the site area. Topographic relief of the Ridge and Valley varies from about 440 to 2,775 ft (134 to 846 m) msl throughout the 50 mi (80 km) region, but the average elevation at the BBNPP site is approximately 660 ft (201 m). The highest land feature within a 5 mi (8 km) radius of the site is Nescopeck Mountain, to the southeast of the site, which reaches an elevation of approximately 2,342 ft (714 m) (DeLorme, 2006). The Susquehanna River elbows around the site area to the east and south and is approximately 7,000 ft (2,134 m) from the site (at the closest point). Its floodplain, on average, is about 0.75 mi (1.2 km) wide, with an average surface elevation of about 513 ft (156 m) msl. The nominal Susquehanna River level is 500 ft (152 m) msl.

The area between the BBNPP site and the Susquehanna River is only slightly dissected by tributaries due to the relatively thin layer of overburden. These tributaries include primarily an unnamed tributary south of the site and Walker Run, which traverses and drains the site, and has a gradient drop of almost 290 ft (88 m) within a distance of approximately 4 mi (6 km).

The BBNPP will be constructed at a grade elevation of approximately 674 ft (205 m) msl. The bearing layer over which the foundation of the plant will be placed is the Mahantango Formation, part of the Hamilton Group. This formation is characterized by dark gray, slightly fossiliferous, hard shale and was found to be at least 400 ft (122 m) thick based upon the BBNPP site geotechnical investigation (FSAR Section 2.5.4). A past report places the total thickness of the Mahantango Formation at approximately 1,500 ft (457 m) (Inners, 1978).

2.6.2 STRATIGRAPHY

The sequence of overburden and lithified formations underlying the site area are shown on the site specific stratigraphic column (Table 2.6-1). This column is based on data obtained from the Susquehanna Steam Electric Station (SSES) Units 1 and 2 FSAR borings (SSES, 1975), the BBNPP FSAR borings in the site area, and on published literature. Sediments and rocks present at the site area range primarily from the Cambrian to Quaternary.

Superjacent the Precambrian metamorphic/igneous basement, the oldest inferred Cambrian formation underlying the site area is the Waynesboro Formation. The Waynesboro Formation consists of sandstone with interbedded red and green shales and has a thickness of approximately 1,000 ft (305 m) or more (Kauffman, 1999). Overlying the Waynesboro Formation is the Pleasant Hill Formation, which is primarily a limestone formation with interbedded sandy and silty layers throughout (Kauffman, 1999). Overlying the Pleasant Hill Formation is the Warrior Formation. Defined by Kauffman (Kauffman, 1999), it is a dark, fossiliferous, fine grained limestone interbedded with silty dolomite with a thickness up to

1,340 ft (408 m). Overlying the Warrior Formation, and marking the Cambrian-Ordovician boundary, is the Gatesburg Formation. The Gatesburg consists of a series of sequential sandstone and dolomite units that are also fossiliferous (Ryder, 1992) with a thickness of approximately 1,211 ft (369 m) (Gold, 2003). Both the Warrior Formation and Gatesburg Formation likely represent a shallow-water carbonate bank or shelf that was subjected to periodic episodes of near-drying conditions (Kauffman, 1999).

Overlying the Gatesburg Formation are formations that comprise the Beekmantown Group. These Early Ordovician formations, from oldest to most recent, include the Stonehenge Formation, Nittany Dolomite, Axemann Limestone, and Bellefonte Dolomite. They are composed primarily of dolomite-limestone (Harper, 2004) and reach a combined thickness of up to 4,200 ft (1,280 m) (Thompson, 1999). The Middle Ordovician age rock of the site area is best described as the Loysburg Formation. The Loysburg Formation is typically a dolomitic and stromatalite rich limestone underlying a coarse grained, fossiliferous limestone (Thompson, 1999) with a thickness of up to 475 ft (145 m). Overlying the Loysburg Formation, and representing the first unit (in ascending order) of the Upper Ordovician, is the Black River Group which mainly consists of Snyder and Linden Hall formations (Thompson, 1999) and attains a thickness of about 632 ft (193 m). These formations are composed primarily of siliciclastic clay and shale and underlay the fine-grained, black, graded limestone-shale of the Solona and Coburn formations of the Trenton Group (Thompson, 1999). Rocks of the Beekmantown Group, Loysburg Formation, Black River Group, Solona Formation, and Coburn Formation were deposited in marine to marginal-marine environments where a platform existed and the seas over top of this platform, shallowed progressively where depositional environments became more intertidal (Thompson, 1999). The upper most units within the Trenton Group is the Antes Formation, a fossiliferous, generally black, shale (Thompson, 1999) that was likely deposited in shallow water, above the wave base. The Antes, Coburn, and Salona formations collectively attain a thickness of up to 850 ft (259 m).

Above the Trenton Group lies the Reedsville Formation. Overlying the Reedsville Formation are the Bald Eagle and Juniata formations (in ascending order). The Reedsville, Bald Eagle, and Juniata formations represent the uppermost units of the Upper Ordovician period. The Reedsville Formation, with a thickness of approximately 600-1800 ft (183-549 m) (Thompson, 1999) (Gold, 2003), is comprised mainly of interbedded shale and sandstone beds with some limestone (Thompson, 1999) and, like the Antes Formation underlying it, was likely deposited in shallow water. The Bald Eagle Formation and the Juniata Formation, which are 700 to 1,313 ft (213 to 400 m) and 600 to 1,125 ft (183 to 343 m) thick respectively (Gold, 2003) (Thompson, 1999), are both represented by nonfossiliferous sandstones, conglomerates, and mudstones but differ in color with the Bald Eagle Formation being gray and the Juniata Formation red (Thompson, 1999). Unlike the Reedsville Formation, the Bald Eagle and Juniata formations are non-fossiliferous and non-marine, leading their depositional environment to likely be that of low sinuosity streams on alluvial fans (Thompson, 1999).

The Tuscarora Formation typically marks the boundary between Upper Ordovician and Silurian formations. The Lower Silurian Tuscarora Formation is quartzose, sublithic, and argillaceous sandstone with few shale beds throughout (Laughrey, 1999). The thickness of the Tuscarora Formation ranges between 400 ft (122 m) and 700 ft (213 m), is extremely resistant to erosional processes, and generally represents a fluvial depositional environment (Laughrey, 1999) (Gold, 2003). Overlying the Tuscarora Formation (in ascending order) are the Rose Hill, Keefer, Mifflintown, Bloomsburg, Wills Creek, Tonoloway, and Keyser formations.

The Rose Hill Formation is olive shale with interbedded layers of hematitic sandstone, purplish shale, and fossiliferous limestone (Laughrey, 1999). Above the Rose Hill Formation lies the

Keefer Formation, a quartzose and hematitic sandstone with some mudstone. The Rose Hill and Keefer formations combine for a thickness that ranges between 670 ft (204 m) and 1,070 ft (326 m) (Gold, 2003). The Mifflintown Formation reaches a thickness of about 336 ft (103 m) (Gold, 2003) and is composed of mudrocks and limestone of a shallow marine setting (Laughrey, 1999). The likely depositional environment for the Rose Hill, Keefer, and Mifflintown formations is that of a submarine ramp that deepened from the proximal basin margin (Laughrey, 1999) during the Taconic Orogeny.

Conformably overlying the Mifflintown Formation is the Bloomsburg Formation, a grayish-red clay-siltstone with some interbedded fine to coarse grained sandstone that attains an average thickness of about 464 ft (142 m). The Bloomsburg Formation is very slightly fossiliferous and probably represents sediments deposited in deltaic waters with a high enough salinity to allow some fauna to exist (Laughrey, 1999). The Wills Creek Formation, conformably overlying the Bloomsburg Formation, is mostly a claystone to silty claystone with some argillaceous limestone and has an approximate thickness of 750 ft (229 m) (Inners, 1978). The Tonoloway Formation is primarily a thinly-bedded limestone with a few thin beds of calcareous shale (Laughrey, 1999) with a thickness of about 100 ft (30 m) (Inners, 1978). Both the Wills Creek and Tonoloway formations represent numerous shallowing-upward cycles that have been interpreted as repeated progradational events on very large tidal flats (Laughrey, 1999).

The Keyser Formation conformably overlies the Tonoloway Formation and is mainly a gray, fossiliferous limestone with some dark gray cherty nodules present toward the upper part of the formation. The Keyser Formation straddles the boundary between the Late Silurian and Early Devonian as the formation represents continuous carbonate sedimentation from both periods and has a thickness of about 125 ft (38 m) (Inners, 1978).

The Devonian system of rocks is described by Harper (Harper, 1999) as a westward-thinning wedge of sediments with a thickness of almost 11,000 ft (3,353 m) through much of Pennsylvania, though considerably less at the BBNPP site (average approximately 2,150 ft (655 m)). The Upper Keyser Formation, about 125 ft (38 m) thick, makes up the basal unit for the Devonian period formations. Overlying the Keyser is the Old Port Formation which consists of (in ascending order) the Corriganville Limestone, the Mandata Shale, Shriver Chert, and Ridgeley Sandstone (Harper, 1999). The Corriganville Limestone, which consists of finely crystalline, thick to thinly bedded limestone, ranges from 10 ft (3 m) to 30 ft (9 m) thick (Harper, 1999). The Mandata Shale is dark gray to black, thinly bedded, siliceous, and ranges in thickness from 20 ft (6 m) to 100 ft (30 m) (Harper, 1999). Light colored cherty, mudstones and calcareous siltstones characterize the Shriver Chert (Harper, 1999), which ranges in thickness from 80 ft (24 m) to 170 ft (52 m). The Ridgeley Sandstone ranges in thickness from 8 ft (2 m) to 150 ft (46 m) and is generally white to light-gray, medium grained, quartzose sandstone (Harper, 1999). These units of the Old Port Formation represent the gradual deepening of the Appalachian basin and range in overall thickness within the site from 100 ft (30 m) to 150 ft (46 m) (Inners, 1978). Disconformably overlying the Old Port Formation is the Onondaga Formation which reaches a thickness of about 175 ft (53 m) (Inners, 1978). The Onondaga Formation consists of silty, shaley, and cherty limestones, in ascending order, and likely represents a shelf margin depositional environment (Harper, 1999).

The middle unit of the Middle Devonian rock system is the Marcellus Formation. The Marcellus Formation, part of the Hamilton Group, consists of approximately 350 ft (107 m) (Inners, 1978) of dark-gray to black shales that are carbonaceous, containing pyrite and few fossils (Harper, 1999). The Marcellus Formation, likely deposited in a variety of shallow-water anoxic environments (Harper, 1999), underlies the Mahantango Formation, which is the uppermost bedrock of the BBNPP site. Harper (Harper, 1999) describes the Mahantango Formation as "a

complex series of interbedded shales, siltstones, and sandstones ranging from 1,200 ft (366 m) to 2,200 ft (671 m)" although Inners (Inners, 1978) reports a site specific thickness of approximately 1,500 ft (457 m). The shales and siltstones encountered during the BBNPP site investigation were typically dark gray, ranged in hardness from soft to moderately hard, increased progressively in the level of calcareous content with depth, and were slightly pyritic and fossiliferous throughout. Harper (Harper, 1999) suggests that the Mahantango Formation was deposited as a prograding marine shoreline during the early stages of the Catskill delta. While the Mahantango Formation is the uppermost bedrock of the site, younger formations that were deposited after the Mahantango exist near the site area. These formations comprise many of the outcrops and bedrocks of Lee Mountain, to the north of the site, and Nescopeck Mountain, to the south of the site. Because these formations are not present at the BBNPP site, they have not been included on Table 2.6-1. However, because these formations are present in the vicinity of the BBNPP site, they are described below.

Conformably overlying the Mahantango Formation, and marking the initial unit of the Upper Devonian within the site area, is the Harrell Formation. The Harrell Formation is typically represented by dark colored, organic-rich shales (Harper, 1999) which reach about 120 ft (37 m) in thickness (Inners, 1978). The Trimmers Rock Formation, referred to as the Brallier Formation by Harper (1999), is primarily medium to dark gray, thinly bedded siltstones with some fine grained sandstones and few layers of subfissile shale (Inners, 1978) (Harper, 1999). The Trimmers Rock Formation has a calculated thickness of approximately 3,000 ft (914 m) (Inners, 1978) and likely represents a delta fed submarine slope of the Appalachian Basin. Above the Trimmers Rock Formation, within the site area, lie the members of the Catskill Formation including (in ascending order) the Irish Valley, Sherman Creek, and Duncannon members. Each member of the Catskill Formation ranges in thickness from 150 ft (46 m) to 3,700 ft (1,128 m) and generally consists of gray to red mudstones, claystones, siltstones, and conglomerates that were deposited in mixed continental, fluvial-deltaic, and marginal-marine environments (Harper, 1999). The uppermost unit of Devonian age rocks in the site area is the Spechty Kopf Formation, which also spans into, and identifies the beginning of the Carboniferous Period. The Spechty Kopf Formation has a thickness of about 575 ft (175 m) (Inners, 1978) and is comprised mainly of medium gray to olive sandstone with other components including siltstone, shale, and conglomerates (Berg, 1999). The likely depositional environment of the Spechty Kopf Formation was that of ephemeral lakes formed on the surface of the Catskill alluvial plain (Berg, 1999).

Carboniferous formations are commonly broken down into the Mississippian Epoch and the Pennsylvanian Epoch. While Mississippian rocks of the site area represent a transition from the prograding deltas of the Late Devonian (Brezinski, 1999), Pennsylvanian rocks primarily represent the sedimentation within an elongate basin aligned in a northeast to southwest direction (Edmunds, 1999).

The Mississippian Period is marked by the presence of the Spechty Kopf Formation. Unconformably overlying the Spechty Kopf Formation is the Pocono Formation, which was likely deposited on a high-gradient alluvial plain or alluvial fan, is represented by the non-red beds of medium to coarse grained sandstone, siltstone, and conglomerates (Brezinski, 1999) with a thickness of about 600 to 650 ft (183 to 198 m) (Inners, 1978). Overlying the Pocono Formation, within the 5 mi (8 km) site area radius, is the Mauch Chunk Formation, easily recognizable by its red to reddish-brown mudstone and siltstone with reddish-brown and greenish-gray sandstones and conglomerates (Brezinski, 1999). The Mauch Chunk Formation ranges in thickness throughout the site area but has been estimated to be between 3,000 ft (914 m) and 4,000 ft (1,219 m) (Brezinski, 1999). The depositional environment of the Mauch Chunk Formation was likely that of a broad alluvial plain in which sediments came from two

distinct sources. The first source was red clastics, likely derived from the taconic highlands, and the second was the non-red, quartz sand from the erosion of the previously deposited sandstones (Brezinski, 1999).

The Mississippian-Pennsylvanian boundary in the site area is generally the top of the Mauch Chunk Formation and bottom of the Pottsville Formation. The Pennsylvanian Pottsville Formation overlies the Mauch Chunk Formation conformably and ranges in thickness from 100 ft (30 m) to 1,600 ft (488 m) (Edmunds, 1999). The Pottsville Formation consists mainly of a cobble and pebble conglomerate with some sandstones and finer clastics and coal (Edmunds, 1999). The youngest rock formation within a 5 mi (8 km) radius of the site area and overlying the Pottsville Formation is the Llewellyn Formation. The Llewellyn Formation reaches a thickness of approximately 3,500 ft (1,067 m) and generally consists of subgraywacke clastics, ranging from conglomerates to clay shale and containing numerous coal beds (Edmunds, 1999). The Llewellyn Formation forms the uppermost geologic unit within the 5 mile radius of the site, appearing at the peak of Lee Mountain near the town of the Shickshinny.

Quaternary deposits of the site area are primarily the result of glacial deposits from at least three known glacial events that are believed to have impacted the site area. Of these three events, Quaternary deposits from two of them comprise the soil overburdens present within the site area. The earliest deposit is of Late Illinoian age and can be stratigraphically correlated to that of the Titusville Till in Northwestern Pennsylvania. The Titusville Till is described as a thin, gray to brown and grayish-red clay and sand (Sevon, 2000). This was almost entirely eroded away during the next period of glaciation through the site, the Wisconsinan (Crowl, 1999). The resulting glacial deposits from the Wisconsinan event is known as Olean Till, which is described as moderately thick, gray to grayish-red sandy till (Sevon, 2000).

In addition to glacial till, the site area has also been impacted by stratified drift. Stratified drift, as defined by Sevon (2000) is sand and gravel in eskers, kame terraces, and outwash. Stratified drift has been impacting the site area since the Late Illinoian (Sevon, 2000), during glacial melts/retreats, and continues to deposit along the banks of the Susquehanna River from upstream (Inners, 1978).

2.6.3 GEOLOGIC IMPACT EVALUATION

Based on the SSES site and vicinity geologic conditions described in the previous subsection, long-term and short-term adverse impacts on the geology are not anticipated as a result of construction or operation of the BBNPP site.

This conclusion is reached based upon evaluating several considerations including the following

Long-Term Impacts

- ◆ The drilling and geophysical investigation show no indication of capable faults (as discussed in FSAR Sections 2.5.1 and 2.5.3) at the BBNPP site, eliminating the possibility for a surface fault rupture as a result of construction or operation of the proposed facility.
- ◆ Surface settlement (as a result of facility construction) could affect the drainage of surface water. However, should such settlement occur, it will likely take place during construction and can be mitigated by re-grading the BBNPP site area.
- ◆ Although there is a natural slope in proximity to the proposed facility, it is not steep enough to be adversely impacted by: foundation excavation, loading resulting from

construction of the proposed structures, or infiltration of precipitation as a result of surface modifications.

- ◆ Any potentially negative impacts that could result from the placement of fill in the proposed plant area will be mitigated by the earthwork design.

Short-Term Impacts

- ◆ Some short-term geologic impacts could occur during construction. These impacts could be a result of excavation, or temporary dewatering.
- ◆ Disposal of excavated material will likely be required onsite. Generally accepted methods will be used to mitigate the potential for erosion of this material at the disposal site. Such methods may include the use of silt fences, seeding, and drainage control. Excavated soil surfaces exposed during construction will be protected to mitigate their erosion and control surface runoff.
- ◆ Temporary dewatering of foundation excavations could result in an impact on water levels in the water table aquifer. However, these impacts are not expected to be significant.

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Table 2.6-1 Site Specific Stratigraphic Column

Era*	Period*	Epoch ⁽¹⁾	Age (Ma) ⁽²⁾	Unit	Thickness (ft)
Cenozoic	Quaternary	Holocene	0.01	Stratified Drift	38.5
		Pleistocene	1.8		
Paleozoic	Devonian	Middle	370	Mahantango Formation	1,500
				Marcellus Formation	350
				Onondaga Formation	175
		Lower	391	Old Port Formation	100-150
	Silurian	Upper	417	Keyser Formation	125
				Tonoloway Formation	100
				Wills Creek Formation	750
		Lower	423	Bloomsburg Formation	464
				Mifflintown Formation	336
				Keefer Formation	670-1,070
				Rose Hill Formation	
				Tuscarora Formation	400-700
	Ordovician	Upper	443	Juniata Formation	600-1,125
				Bald Eagle Formation	700-1,313
				Reedsville Formation	600-1,800
		Middle	458	Trenton Group	842
				Antes Shale	
				Coburn Limestone	
				Salona Limestone	632
				Black River Group	
				Loysburg Formation	
		Lower	470	Beekmantown Group	3,159-4,200
				Bellefonte Dolomite	
				Axemann Limestone	
Nittany Dolomite					
Stonehenge Formation					
Cambrian	Upper	490	Gatesburg Formation	1,211	
	Middle	510	Warrior Formation	400-1,340	
			Pleasant Hill Formation	Not Reported	
	Lower	520	Waynesboro Formation	1,000+	
Neo-Proterozoic	Ediacaran		543	Metamorphic/Igneous	

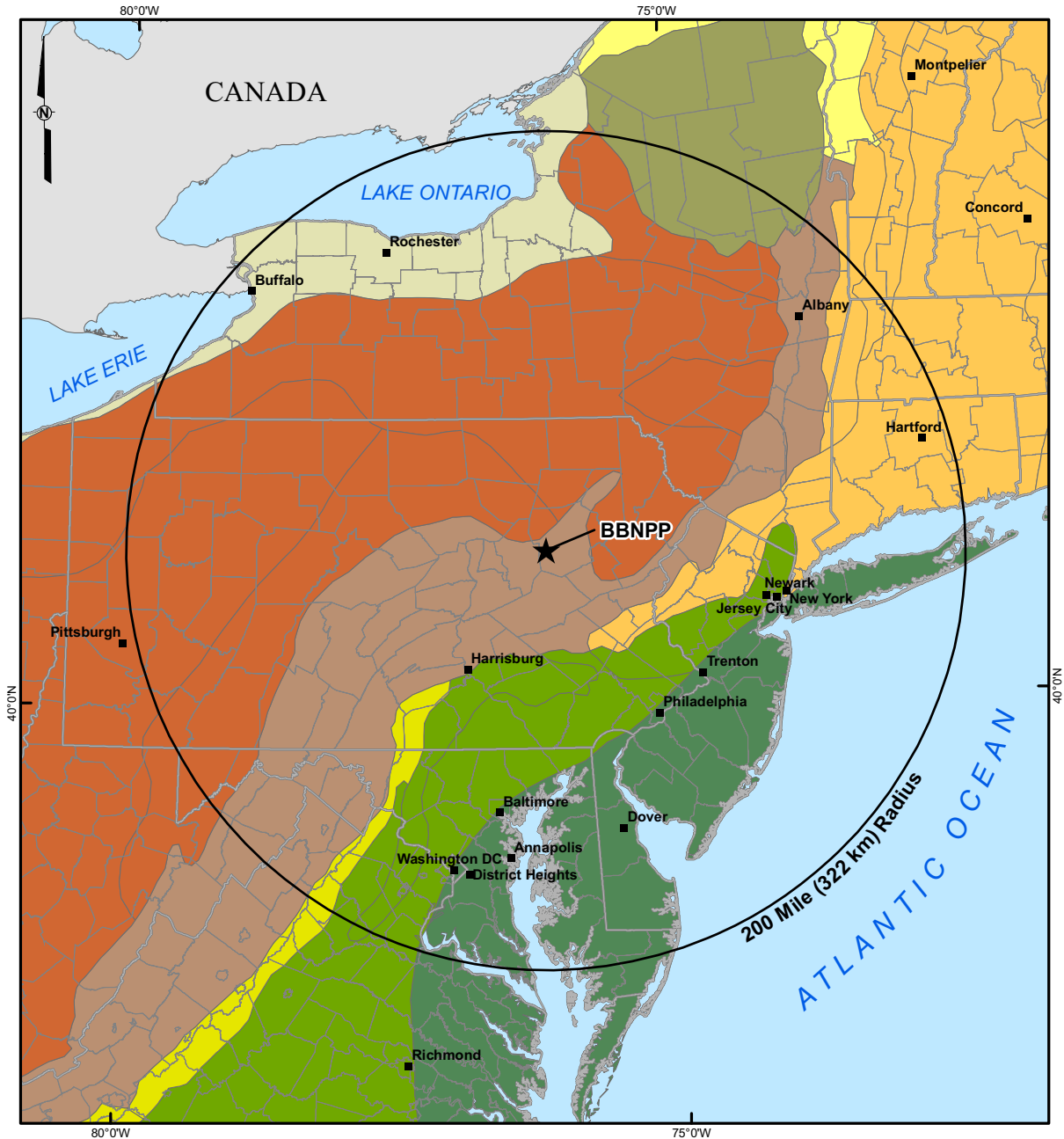
Notes:

(1) USGS Geologic Time Scale

(2) Ma = Million years ago.

References: (Crangle, 2002) (Gold, 2003) (Inners, 1978) (Kauffman, 1999) (Laughrey, 1999) (McElroy, 2007) (Thompson, 1999)

Figure 2.6-1 Map of Regional Physiographic Provinces



LEGEND

- ★ Center Point of Proposed Bell Bend NPP (BBNPP)
- NPP Reactor 200 Mile (322 km) Radius
- Adirondack
- Appalachian Plateaus
- Blue Ridge
- Central Lowland
- Coastal Plain
- New England
- Piedmont
- St. Lawrence Valley
- Ridge and Valley

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2.7 METEOROLOGY AND AIR QUALITY

2.7.1 GENERAL CLIMATE

The Bell Bend Nuclear Power Plant (BBNPP) site is located in east-central Pennsylvania in the Susquehanna Valley. The site is in Luzerne County near the border with Columbia County, approximately 20 mi (32 km) west-southwest from Wilkes-Barre, Pennsylvania. Luzerne County is located in the Ridge and Valley Region (or Ridge and Valley Province), which lies northwest of the Piedmont and between the Blue Ridge and Allegheny Mountains. This is a region of forested ridges alternating with fertile and extensively farmed valleys. The Ridge and Valley Region is 80 to 100 mi (129 to 161 km) wide and characterized by parallel ridges and valleys oriented northeast-southwest. The mountain ridges vary from 1,300 to 1,600 feet (396 to 488 m) above sea level, with local relief from 600 to 700 ft (183 to 213 m). (NCDC, 2008)

The Ridge and Valley Region, while not having a true mountain climate, does have many of the characteristics of such a climate. The mountain/valley influence on air movements causes greater temperature extremes than found in southeastern Pennsylvania, and the daily range of temperature increases under the valley influences.

The effects of radiational cooling at night in the valleys and the tendency for cool air masses to flow down them at night result in a shortening of the growing season by causing freezes later in the spring and earlier in the fall than would otherwise occur. The growing (freeze-free) season in this area is longest in the middle Susquehanna Valley, where it averages about 165 days, and shortest in Schuylkill and Carbon Counties, averaging less than 130 days.

2.7.1.1 Winds

The annual prevailing wind direction (the direction from which the wind blows most often) at the BBNPP site at the 10 m (33 ft) level is from the east-northeast, approximately 15% of the time. Winds from the southwest are the next most dominant, occurring approximately 11% of the time. The least prevalent wind direction is from the west-northwest, approximately 2% of the time. The annual prevailing wind direction (the direction from which the wind blows most often) at the BBNPP site at the 60 m (197 ft) level is from the north-northeast, approximately 15% of the time. Winds from the southwest are the next most dominant, occurring approximately 12% of the time. The least prevalent wind direction is from the west-northwest, approximately 4% of the time. Winds at the site are described in more detail in Section 2.7.4.5.

2.7.1.2 Storm Tracks

According to information provided by the Oklahoma Climatological Survey, there are 30 to 50 days per year on which thunderstorms occur in the vicinity of the BBNPP site. National Hurricane Center statistics (NOAA, 2008b) list 52 hurricane and tropical storm records that have passed within 100 statute mi of the BBNPP site. In the eastern U.S., hurricane season begins June 1st and ends November 30th. Storms are described in more detail in Section 2.7.3.1 through Section 2.7.3.9.

2.7.1.3 Temperatures

The monthly mean temperatures at BBNPP during 2001-2006 range from 27.9°F (-2.3°C) in January to 71.6°F (22.0°C) in July. The monthly mean extreme maximum temperature during the same period was 73.6°F (23.1°C) in July and the monthly mean extreme minimum temperature was 21.0°F (-6.1°C) in January. The monthly mean daily maximum temperature was 81.6°F (27.6°C) in July and August and the monthly mean daily minimum temperature was 21.2°F (-6.0°C) in January. The maximum hourly temperature was 96.8°F (36.0°C) in August and the minimum hourly temperature was -7.0°F (-21.7°C) in January. The frequency of occurrence

of hourly temperature values falling below the freezing point (32°F or 0°C) is approximately 18%; the frequency of occurrence of hourly temperature values falling below 0°F (-17.8°C) is less than 0.1%. Temperatures at the BBNPP are described in more detail in Section 2.7.4.1.

2.7.1.4 Precipitation

The annual precipitation in this area averages 3 to 4 in (76 to 102 mm) more than in the southeastern part of the state, but the geographic distribution is less uniform. The mountain ridges are high enough to have some deflecting influence on general storm winds, while summer showers and thunderstorms tend to follow along the valleys. Seasonal snowfall of the Ridge and Valley Region varies considerably within short distances. It is greatest in Somerset county, averaging 88 in (2,235 mm) in the vicinity of Somerset, and least in Huntingdon, Mifflin, and Juniata Counties, averaging about 37 in (940 mm).

The BBNPP site and the Wilkes-Barre/Scranton observation site are located in climate division PA-01 (Pocono Mountains), as designated by the U.S. National Climatic Data Center. 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 PA-01 climate division is 43.94 in (1,116 mm) per year (NCDC, 2008a). The long term (1931-2000) annual average temperature in the PA-01 climate division is 46.8°F (8.2°C). The long term (1931-2000) average monthly temperatures for January and July in the PA-01 climate division are 24.0°F (-4.4°C) and 69.2°F (20.7°C), respectively (NCDC, 2008b).

2.7.2 REGIONAL AIR QUALITY

2.7.2.1 Background

The Clean Air Act (USEPA, 1990), which was last amended in 1990, requires the U.S. Environmental Protection Agency (EPA) to set National Ambient Air Quality Standards (CFR, 2007) 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), milligrams per cubic meter of air (mg/m³), and micrograms per cubic meter of air (µg/m³). Areas are either in attainment of the air quality standards or in non-attainment. Attainment means that the air quality is better than the standard.

2.7.2.2 Luzerne County

Based on EPA data (USEPA, 2008)), Luzerne County, Pennsylvania, is in attainment for all the National Ambient Air Quality Standards (NAAQS). The NAAQS are presented in Table 2.7-1. Based on Pennsylvania Department of Environmental Protection data, the BBNPP site location was in attainment in 2004 (most recent report available on the PADEP web site as of February 28, 2008) for sulfur dioxide, particulate matter (2.5 microns), carbon monoxide, and ozone. (PADEP, 2008)

Luzerne County is part of the Northeast Pennsylvania-Upper Delaware Valley Interstate Air Quality Control Region (AQCR) (CFR, 2008a). The attainment status of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR with regard to national ambient air

quality standards is listed as being better than national standards for sulphur dioxide, ozone (8-hr), and total suspended particulates; unclassifiable/attainment for carbon monoxide, nitrogen dioxide, and particulate matter (2.5 microns); unclassifiable for particulate matter (10 microns); nonattainment/marginal for ozone (1-hr); and not designated for lead (CFR, 2008b). Note that the 1-hour ozone standard was revoked effective June 15, 2005, for all areas in Pennsylvania.

2.7.2.3 Columbia County

Based on EPA data (USEPA, 2008), Columbia County, Pennsylvania, is in attainment for all the National Ambient Air Quality Standards (NAAQS). The NAAQS are presented in Table 2.7-1.

Columbia County is part of the Central Pennsylvania Intrastate Air Quality Control Region (AQCR) (CFR, 2008c). The attainment status of the Central Pennsylvania Intrastate AQCR with regard to national ambient air quality standards is listed as being better than national standards for sulphur dioxide, nitrogen dioxide, and total suspended particulates, unclassifiable/attainment for carbon monoxide, particulate matter (2.5 and 10 microns), and ozone (8-hr), nonattainment/marginal for ozone (1-hr) (CFR, 2008b). Note that the 1-hour ozone standard was revoked effective June 15, 2005, for all areas in Pennsylvania.

2.7.2.4 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 100 kilometers of a Class 1 area to contact the Federal Land Managers for that area.

The closest Class 1 Federal Land to BBNPP is the Brigantine Wilderness Area, New Jersey, which was established in 1939. In 1984 Brigantine was combined with Barnegat and the overall property was renamed the Edwin B. Forsythe Refuge. The distance from BBNPP to the Brigantine Wilderness Area is approximately 150 mi (242 km); therefore, no action is required.

2.7.3 SEVERE WEATHER PHENOMENA

2.7.3.1 Tornadoes

Figure 2.7-1 and Figure 2.7-2 show the annual average number of tornadoes and strong-violent tornadoes respectively. Tornadoes occur infrequently in Pennsylvania compared with areas such as the Great Plains, as can be seen in Table 2.7-1. Pennsylvania averaged ten tornadoes a year during the period from 1950-1995. Pennsylvania averaged three strong-violent tornadoes a year during the period from 1950-1995.

The National Climatic Data Center's Storm Events database (NOAA, 2008a) indicates that there were 15 tornadoes in Luzerne County, Pennsylvania, between January 1, 1950, and August 31, 2007 (Table 2.7-2). This corresponds to an annual average of about 0.3 tornadoes per year. None of these 15 tornadoes were estimated to be an F3 or higher on the Fujita scale. 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) (NOAA, 2008d). The width of the paths of the 15 tornadoes in Luzerne County were estimated to range from 13 to 530 yards (12 to 485 m).

The National Climatic Data Center's Storm Events database (NOAA, 2008a) indicates that there were eight tornadoes in Columbia County, Pennsylvania, between January 1, 1950, and

November, 2007. This corresponds to an annual average of about 0.14 tornadoes per year. None of these eight tornadoes were estimated to be an F3 or higher on the Fujita scale. The width of the paths of the 15 tornadoes in Columbia County were estimated to range from 10 to 75 yards (9 to 69 m).

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

2.7.3.2 Hurricanes and Tropical Storms

National Hurricane Center statistics (NOAA, 2008b) list 52 records of hurricanes and tropical storms that have passed within 100 statute mi (161 km) of the BBNPP site. 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 U.S., hurricane season begins June 1st and ends November 30th.

Table 2.7-4 shows the total and average number of tropical storms and hurricanes, by month, for the period 1851-2004 (NOAA, 2005). Note that most tropical storms and hurricanes occur in September.

Table 2.7-5 presents the year, month, day of occurrence of these 52 storm records as well as information, if available, on wind speed and atmospheric pressure. During the period of record, one category 1 hurricane, 11 tropical storms, 6 tropical depressions, and 8 extratropical storms passed within 100 statute mi (161 km) of the BBNPP site. The two hurricanes occurred in the month of October and the tropical storms occurred in August and September.

2.7.3.3 Thunderstorms

According to information provided by the Oklahoma Climatological Survey, and presented in Table 2.7-3, there are 30 to 50 days per year on which thunderstorms occur in the vicinity of the BBNPP site.

Table 2.7-6 presents the monthly mean number of days on which thunderstorms occurred at Wilkes-Barre/Scranton Pennsylvania, during the period from 1950 through 2006 (NCDC, 2006a), Allentown, Pennsylvania, during the period from 1947 through 2006 (NCDC, 2006b), and Williamsport, Pennsylvania, during the period from 1953 through 2006 (NCDC, 2006c). Wilkes-Barre/Scranton, Allentown, and Williamsport are the National Weather Service primary stations closest to BBNPP.

2.7.3.4 Lightning

A methodology was presented (Marshall, 1973) for estimating lightning strike frequencies that 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 BBNPP site (conservatively estimated using Figure 2.7-5 (NOAA, 2007)). 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% of all lightning flashes is defined (Marshall, 1973) as:

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

The following building dimensions were used to conservatively estimate the attractive area of BBNPP (these values are much larger than the dimensions for the tallest building which measure approximately 58 m x 58 m x 60 m; 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 auxiliary 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 BBNPP is 0.44 flashes per year.

2.7.3.5 Droughts

Eight drought events were listed in the National Climatic Data Center's Storm Events database (NOAA, 2008a) for Luzerne County, Pennsylvania (Table 2.7-7). The following description of the latest drought event (September 1, 1999) is from the National Climatic Data Center (NOAA, 2008a):

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. 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. Approximately 20 million dollars in crop damage occurred.

Eight drought events were listed in the National Climatic Data Center's Storm Events database (NOAA, 2008a) for Columbia County, Pennsylvania from 1950-2008 (Table 2.7-8). The following description of the latest drought event (August 1, 1999) is from the National Climatic Data Center (NOAA, 2008a):

A drought emergency remained in effect for 55 of the 67 counties of Pennsylvania. In spite of the severe flash flooding in a few locations and normal or above normal precipitation in many others, water tables remained low and water usage was restricted.

Ohio and New York experienced similar drought conditions during this period.

2.7.3.6 High Winds

Table 2.7-9 presents occurrences of winds of 50 knots or greater (58 mph (26 m/sec)) by storm type for Luzerne County. These data were retrieved from the National Climatic Data Center's Storm Events database (NOAA, 2008a). There were 55 events that occurred during the period from June 6, 1971, through August 25, 2007. Wind speeds ranged from 50 to 175 knots (58 to 201 mph (26 to 90 m/sec)). The highest recorded value of 175 knots (201 mph (90 m/sec)) occurred on May 31, 1998, during a thunderstorm event.

Table 2.7-10 presents occurrences of winds of 50 knots or greater (58 mph (26 m/sec)) by storm type for Columbia County. These data were retrieved from the National Climatic Data Center's Storm Events database (NOAA, 2008a). There were 56 events that occurred during the period from April 17, 1982 through August 25, 2007. Wind speeds ranged from 50 to 75 knots (58 to 86 mph (26 to 39 m/sec)). The highest value occurred on July 13, 2005.

2.7.3.7 Hail

Table 2.7-11 presents occurrences of hail events reported in Luzerne County. These data were retrieved from the National Climatic Data Center's Storm Events database (NOAA, 2008a). There were 45 events that occurred between June 1958 and March 2008. Hail stone diameters ranged from 0.75 to 2.75 in (19.1 to 69.9 mm) with the largest values occurring on June 24, 1985.

Table 2.7-12 presents occurrences of hail events reported in Columbia County. These data were retrieved from the National Climatic Data Center's Storm Events database (NOAA, 2008a). There were 28 events that occurred between July 1980 and August 2007. Hail stone diameters ranged from 0.75 to 2.75 in (19.1 to 69.9 mm). The largest values occurred on, July 19, 1983.

2.7.3.8 Ice Storms

Table 2.7-13 presents ice storm events which occurred in Luzerne County, Pennsylvania. These data were retrieved from the National Climatic Data Center's Storm Events database (NOAA, 2008a). There were 13 events that occurred between January 1999 and April 2007. Up to 0.50 in (13 mm) of ice accumulated during the December 13, 2000, event.

Table 2.7-14 presents ice storm events which occurred in Columbia County, Pennsylvania. These data were retrieved from the National Climatic Data Center's Storm Events database (NOAA, 2008a). There were 28 events that occurred between November 1994 and February 2007. Up to 0.25 in (6.35 mm) of ice accumulated during the December 13, 2000, December 11, 2003, and December 16, 2005 events.

2.7.3.9 Snow Storms

Table 2.7-15 presents snow storm events which occurred in Luzerne County, Pennsylvania. These data were retrieved from the National Climatic Data Center's Storm Events database (NOAA, 2008a). There were 44 events that occurred between February 1995 and April 2007. During the period, the Wilkes-Barre/Scranton Airport in Avoca, Pennsylvania, recorded the largest snowfall at 30 in (762 mm) during the March 31, 1997 event.

Table 2.7-16 presents snow storm events which occurred in Columbia County, Pennsylvania. These data were retrieved from the National Climatic Data Center's Storm Events database (NOAA, 2008a). There were 40 snow events that occurred between January 1995 and March 2007 disregarding ice events. During the period, snow up to 18 in (457 mm) fell during the December 25, 2002 event.

2.7.4 LOCAL METEOROLOGY

Susquehanna Steam Electric Station (SSES) Units 1 and 2 meteorological data were used in this analysis. These data are from the onsite meteorological monitoring program which was designed, and has been operated, according to Regulatory Guide 1.23, Revision 0. The data recovery goal of 90% was made for all years.

BBNPP will be licensed to Regulatory Guide 1.23, Revision 1. As a result, an analysis of the differences between Regulatory Guide 1.23, Revision 0 and Regulatory Guide 1.23, Revision 1, was made. The analysis concluded that the guidance provided in the two versions of the document are so similar, that there is no adverse impact from using the onsite meteorological data monitored for SSES Units 1 and 2 in analyses for BBNPP.

2.7.4.1 Temperature and Relative Humidity

Daily averages and extremes of temperature and dew point temperature from the SSES onsite meteorological monitoring program are presented in Table 2.7-17 and Table 2.7-18 for the period from January 2001 through December 2006. Daily averages and extremes of temperature and dew point temperature from Williamsport, PA, are presented in Table 2.7-19 for the period January 2000 through December 2005. Monthly and annual temperature summaries from the SSES onsite meteorological monitoring program are presented in Table 2.7-20 through Table 2.7-26 for the period January 2001 through December 2006. Monthly and annual dew point temperature summaries from the SSES Units 1 and 2 onsite meteorological monitoring program are presented in Table 2.7-27. Hours and percent frequency of occurrence of hourly temperature values greater than 95°F (35°C) and 90°F (32.2°C), and less than 32°F (0°C) and 0°F (-17.8°C), are presented in Table 2.7-28. Monthly and annual relative humidity summaries from the SSES Units 1 and 2 onsite meteorological monitoring program are presented in Table 2.7-29.

The monthly mean temperatures from the SSES onsite meteorological monitoring program during 2001-2006 range from 27.9°F (-2.3°C) in January to 71.6°F (22.0°C) in July. The monthly mean extreme maximum temperature during the same period was 73.6°F (23.1°C) in July and the monthly mean extreme minimum temperature was 21.0°F (-6.1°C) in January. The monthly mean daily maximum temperature was 81.6°F (27.6°C) in July and August and the monthly mean daily minimum temperature was 21.2°F (-6.0°C) in January. The maximum hourly temperature was 96.8°F (36.0°C) in August and the minimum hourly temperature was -7.0°F (-21.7°C) in January. The frequency of occurrence of hourly temperature values falling below the freezing point (32°F or 0°C) is approximately 18%; the frequency of occurrence of hourly temperature values falling below 0°F (-17.8°C) is less than 0.1%.

The monthly mean dew point temperatures from the SSES onsite meteorological monitoring program during 2001-2006 range from 15.5°F (-9.2°C) in January to 56.8°F (13.8°C) in July and August. The annual average dew point temperature is 35.9°F (2.2°C).

Temperature and humidity statistics for sites around BBNPP are presented in Table 2.7-30 through Table 2.7-40 for the period from 1971 through 2000, unless otherwise noted (NCDC, 2006a) (NCDC, 2006b) (NCDC, 2006c). Wilkes-Barre/Scranton, Allentown, and Williamsport, Pennsylvania, are the three first order National Weather Service sites closest to BBNPP. Wilkes-Barre/Scranton is approximately 36 mi (58 km) from BBNPP. Allentown and Williamsport are approximately 50 mi (80 km) from BBNPP. In addition, the Wilkes-Barre/Scranton observation site is located within climate division PA-01 (NCDC, 2004), as is the BBNPP site. Wet bulb and dew point temperature values are from the 23-year period from 1978-2000. Monthly mean dew point temperatures measured at SSES Units 1 and 2 are 3 to 4 degrees Fahrenheit lower than the same values measured at Wilkes-Barre/Scranton, Allentown, and Williamsport. Similarly, the annual average dew point temperature measured at SSES Units 1 and 2, 35.9°F (2.2°C), is lower than the values measured at Wilkes-Barre/Scranton 39.5°F (4.2°C), Allentown 41.2°F (5.1°C), and Williamsport 40.4°F (4.7°C).

Table 2.7-41 through Table 2.7-44 present 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 locations in the vicinity of BBNPP. These temperature values correspond to 0.4%, 1.0%, and 2.0% cumulative frequency of occurrence for the indicated month (ASHRAE, 2005) and were determined by the American Society of Heating, Refrigeration, and Air-Conditioning Engineers. Data for Wilkes-Barre/Scranton and Allentown, Pennsylvania, are from the period 1972-2001.

Weather Data Version 3.0 (ASHRAE, 2005) provides extreme annual dry bulb temperature and 50-year return period extreme dry bulb temperature values. Also provided is an equation that can be used to determine the 100-year return period extreme dry bulb temperature values. The following method can be used to estimate the return period (recurrence interval) of extreme temperatures:

$$T_n = M + I F s$$

where

T_n	=	n-year return period value of extreme dry-bulb temperature to be estimated, years
M	=	mean of the annual extreme maximum or minimum dry-bulb temperatures
s	=	standard deviation of the annual extreme maximum or minimum dry-bulb temperatures
I	=	1, if maximum dry-bulb temperatures are being considered
	=	-1 if minimum dry-bulb temperatures are being considered

and F is given by:

$$F = -(\sqrt{6})/\pi \left[0.5772 + \ln \left[\ln \left(\frac{n}{n-1} \right) \right] \right]$$

Using this equation and the mean and standard deviation of the extreme annual dry bulb temperature values, the 100-year return period extreme dry bulb temperature values were determined. These values are presented in Table 2.7-45 and Table 2.7-46.

2.7.4.2 Heating and Cooling Degree Days

A degree day is a measure of the departure of the mean daily temperature from a given standard one degree day for each degree of departure above or below the standard during one day (ASHRAE, 2005). Degree days are accumulated over a season and the total is used as an index of past temperature effect upon some quantity, such as fuel consumption. Heating and cooling degree days at Wilkes-Barre/Scranton, Allentown, and Williamsport, Pennsylvania are presented in Table 2.7-47 and Table 2.7-48

2.7.4.3 Precipitation and Fog

The monthly and annual precipitation summary from the SSES onsite meteorological monitoring program is presented in Table 2.7-49 through Table 2.7-52 for the period from 2001-2006. Precipitation statistics from NWS sites around BBNPP are presented in Table 2.7-53 through Table 2.7-55 for the period from 1971-2000 (NCDC, 2006a) (NCDC, 2006b) (NCDC, 2006c) (NCDC, 2002c). Monthly and annual summaries of heavy fog (visibility less than one quarter mile) are presented in Table 2.7-56 for sites around BBNPP for the period from 1964-2006 (NCDC, 2006a) (NCDC, 2006b) (NCDC, 2006c). Note that only precipitation statistics were available for the observation site at Shickshinny, PA, which is located approximately 6 mi (10 km) from the BBNPP site.

Monthly average precipitation at SSES ranges from 1.88 in (47.75 mm) in February to 4.44 in (112.78 mm) in October. Monthly percent frequency of occurrence of precipitation at the SSES site ranges from 4.55% in July to 8.56% in January. The rainfall rate distribution presented in Table 2.7-51 indicates that heavy rainfalls occur infrequently at the SSES site. The maximum monthly precipitation measured at the SSES site corresponds well with the values from the NWS sites around the plant. The minimum monthly precipitation measured at the SSES site, however, does not correspond well with the values from the NWS sites around the plant; this may be due to the difference in the period of records (6 years for the SSES site versus 30 years for the NWS sites).

Monthly precipitation wind rose plots at the SSES site for the 33 ft (10 m) and 197 ft (60 m) elevations are presented in Figure 2.7-5 through Figure 2.7-30. These precipitation wind roses portray joint frequency distributions of wind speed and direction as a function of atmospheric stability for only those hours in which precipitation was recorded. These monthly precipitation wind roses indicate that the most frequent wind direction has either a north-easterly or south-westerly component.

Monthly precipitation rate wind rose plots at the SSES site for the 33 ft (10 m) and 197 ft (60 m) elevations are presented in Figure 2.7-31 through Figure 2.7-54. These precipitation rate wind roses portray joint frequency distributions of wind speed and direction as a function of atmospheric stability for only those hours in which precipitation was recorded falling at a certain intensity; in this case, 0.1-0.2 inches/hour or 2.5-5.1 mm/hr. These monthly precipitation rate wind roses indicate that the most frequent wind direction has either a north-easterly or south-westerly component when precipitation is falling at 0.1 to 0.2 inches/hour or 2.5-5.1 mm/h.

2.7.4.4 Monthly Mixing Height Data and Inversion Summary

Twice daily mixing height values for the period January 1997 through October 2007 were calculated from the daily average values for each month of each year based on twice daily mixing height data from the National Climatic Data Center. These data were taken from the upper air and surface National Weather Service stations closest to the BBNPP (Buffalo, New York and Wilkes-Barre, Pennsylvania, 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.

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 3,067 ft (935 m) is the average of all of the individual January mixing height values from 1997 through 2007. The number of valid days of data per month ranged from 14 to 31 (that is, days that had both a morning and afternoon mixing height value). The annual average mixing height value is 3,459 ft (1,055 m). Table 2.7-164 and Table 2.7-165 present the monthly and annual mixing height values in feet and meters, respectively. Figure 2.7-96 presents a graphical representation.

The annual average mixing height value determined using EPA Report AP-101 (USEPA, 1972) is 2,953 ft (900 m). This value was determined using a five-year observation period at 62 stations in the continental U.S. This value, 900 m (2,953 ft), was used since it was derived from a larger sample size (62 stations versus one station) and its use resulted in more conservative results.

Frequency and persistence of temperature inversion conditions at SSES are presented in Table 2.7-122 through Table 2.7-127. These tables were determined using onsite

meteorological data for the years 2001-2005. The maximum temperature inversion duration was 27 hours. Approximately 75% of the inversions lasted less than 12 hours.

2.7.4.5 Wind Speed and Direction

Table 2.7-57 through Table 2.7-90 present annual, seasonal, and monthly joint frequency distributions of wind speed and direction as a function of atmospheric stability derived from the SSES onsite meteorological monitoring program. These tables were developed using six years of onsite meteorological data (2001-2006) following the guidance in Regulatory Guide 1.23, Revision 0 (NRC, 1972).

The annual prevailing wind direction (the direction from which the wind blows most often) at the SSES site at the 33 ft (10 m) level is from the east-northeast, approximately 15% of the time. Winds from the southwest are the next most dominant, occurring approximately 11% of the time. The least prevalent wind direction is from the west-northwest, approximately 2% of the time. The annual prevailing wind direction (the direction from which the wind blows most often) at the SSES site at the 197 ft (60 m) level is from the north-northeast, approximately 15% of the time. Winds from the southwest are the next most dominant, occurring approximately 12% of the time. The least prevalent wind direction is from the west-northwest, approximately 2% of the time.

During the winter, the prevailing wind direction at the 33 ft (10 m) level is from the southwest, approximately 12% of the time. Winds from the east-northeast are the next most dominant, occurring approximately 11% of the time. The least prevalent wind direction is from the west-northwest, approximately 3% of the time. The prevailing wind direction at the 197 ft (60 m) level is from the west-southwest, approximately 16% of the time. Winds from the southwest are the next most dominant, occurring approximately 12% of the time. The least prevalent wind direction is from the east-southeast, approximately 2% of the time.

During the spring, the prevailing wind direction at the 33 ft (10 m) level is from the east-northeast, approximately 12% of the time. Winds from the northeast are the next most dominant, occurring approximately 10% of the time. The least prevalent wind direction is from the west-northwest, approximately 3% of the time. The prevailing wind direction at the 197 ft (60 m) level is from the north-northeast, approximately 14% of the time. Winds from the northeast are the next most dominant, occurring approximately 10% of the time. The least prevalent wind direction is from the east, approximately 3% of the time.

During the summer, the prevailing wind direction at the 33 ft (10 m) level is from the east-northeast, approximately 18% of the time. Winds from the southwest are the next most dominant, occurring approximately 12% of the time. The least prevalent wind direction is from the west-northwest, approximately 1% of the time. The prevailing wind direction at the 197 ft (60 m) level is from the north-northeast, approximately 18% of the time. Winds from the southwest are the next most dominant, occurring approximately 15% of the time. The least prevalent wind direction is from the west-northwest, approximately 1% of the time.

During the autumn, the prevailing wind direction at the 33 ft (10 m) level is from the east-northeast, approximately 17% of the time. Winds from the northeast are the next most dominant, occurring approximately 10% of the time. The least prevalent wind direction is from the west-northwest, approximately 2% of the time. The prevailing wind direction at the 197 ft (60 m) level is from the north-northeast, approximately 18% of the time. Winds from the northeast are the next most dominant, occurring approximately 11% of the time. The least prevalent wind direction is from the west-northwest, approximately 2% of the time.

The most prevalent wind speed class on an annual basis for the 33 ft (10 m) level is the calm to 3 mph (calm to 1.3 mps) class, which occurs approximately 48% of the time. The most prevalent wind speed class on an annual basis for the 197 ft (60 m) level is the 4 to 7 mph (1.8 to 3.1 mps) class, which occurs approximately 34% of the time.

On a seasonal basis, the most prevalent wind speed class for the 33 ft (10 m) level is the calm to 3 mph (calm to 1.3 mps) class, which occurs approximately 42% of the time in the winter, 39% of the time in the spring, 58% of the time in the summer, and 53% of the time in the autumn. At the 197 ft (60 m) level, the most prevalent wind speed class is the 4 to 7 mph (1.8 to 3.1 mps) class, which occurs approximately 29% of the time winter, 32% of the time in the spring, 40% of the time in the summer, and 35% of the time in the autumn.

Table 2.7-91 through Table 2.7-93 present monthly and annual summaries of wind speed and direction for three stations around the BBNPP site (Wilkes-Barre/Scranton, Allentown, and Williamsport, Pennsylvania). Note that the most prevalent wind speed class on an annual basis for the 33 ft (10 m) level is lower than the average annual wind speeds at the same measurement height presented for these three stations (7.5 mph (3.3 mps), 7.9 mph (3.5 mps), 6.9 mph (3.1 mps), respectively); this would lead to more conservative atmospheric dispersion estimates using the SSES onsite meteorological data.

Figure 2.7-55 through Figure 2.7-88 depict annual, seasonal, and monthly wind rose plots made using six years of SSES onsite meteorological data (2001-2006) for the 33 ft (10 m) and 197 ft (60 m) elevations.

Figure 2.7-89 through Figure 2.7-91 depict multi-year summaries of wind speed and direction for three NWS stations around BBNPP (Wilkes-Barre/Scranton, Allentown, and Williamsport, Pennsylvania) (AREVA, 2008d) (AREVA, 2008e) (AREVA, 2008f).

2.7.4.6 Wind Direction Persistence Summary

Table 2.7-94 through Table 2.7-107 present annual wind direction persistence summaries at the SSES site for the 33 ft (10 m) and 197 ft (60 m) elevations. They were generated using six years of onsite meteorological data (2001-2006). Table 2.7-100 and Table 2.7-107 present an average of the six individual year summaries for both elevations.

The majority of the time, approximately 94%, wind direction persistence events last for less than four hours at both measurement levels. Wind direction persistence events lasting 12 hours occur five and six times per year on the average for the lower and upper measurement level, respectively. Wind direction persistence events lasting greater than 24 hours occur once and twice per year on the average for the lower and upper measurement level, respectively.

2.7.4.7 Atmospheric Stability Persistence Summary

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, F or G. Stability classes C and D 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, Revision 0 (NRC, 1972) and Revision 1 (NRC, 2007b). This methodology classifies atmospheric stability based on the temperature change with height (°C per 100 m). At BBNPP, atmospheric stability is classified according to the difference between the temperature measurements at the SSES meteorological tower 197 ft (60 m) and 33 ft (10 m) levels.

Table 2.7-108 through Table 2.7-121 present annual atmospheric stability persistence summaries at the SSES site for the 33 ft (10 m) and 197 ft (60 m) elevations. They were generated using six years of SSES meteorological data (2001-2006). The final table for each wind level is an average of the six individual year summaries.

The majority of the time, approximately 80% of the time, stability persistence events last for less than four hours. Stability persistence events lasting 12 hours occur 13 times per year on the average and events lasting for greater than 24 hours occur 14 times per year on the average.

2.7.4.8 Temperature Inversion Frequency and Persistence Summary

A temperature inversion is defined as a layer of the atmosphere in which temperature increases with altitude (AMS, 1980). The principal characteristic of a temperature inversion is its marked static stability; very little turbulence occurs within it.

Table 2.7-122 through Table 2.7-127 present annual temperature inversion frequency and persistence summaries at the BBNPP site. They were generated using six years of onsite meteorological data (2001-2006).

The longest temperature inversion lasted 27 hours. Of the nine longest temperature inversion events noted, all but one occurred during the winter.

2.7.5 MAXIMUM TERRAIN HEIGHTS AND TOPOGRAPHIC MAPS

The BBNPP site is located in Luzerne County, Pennsylvania, close to the boundary with Columbia County. Figure 2.7-92 and Figure 2.7-93 present the maximum terrain heights from 0-5 mi (0 to 8 km) and from 0-50 mi (0 to 80 km), respectively, from BBNPP. Terrain heights were determined using U.S. Geologic Survey topographic maps. The following 7.5 minute series maps were used for the 0 to 5 mi (0 to 8 km) terrain heights: Benton, Stillwater, Shickshinny, Nanticoke, Wilkes-Barre West, Bloomsburg, Mifflinville, Berwick, Sybertsville, Freeland, Catawissa, Shumans, Nuremberg, Conyngham, Hazleton. The following 1:100,000 scale maps were used for the 5 to 50 mi (8 to 80 km) terrain heights: Wellsboro, Towanda, Honesdale, Williamsport West, Williamsport East, Scranton, State College, Sunbury, Allentown, Harrisburg, Reading. For points that fell between distances at which terrain heights were determined, the maximum of the values was used.

Figure 2.7-94 and Figure 2.7-95 present detailed topographic features on a large scale within an 5 mi (8 km) radius of the station and a smaller scale map showing topography within a 50 mi (80 km) radius of the station, respectively.

These figures indicate that the highest terrain in the vicinity of the site (within 1 mi (1.6 km)) is in the north and north-northeast where a hill rises to approximately 1,050 ft (320 m). The Susquehanna River runs from northeast of the site to southwest of the site, with a pronounced bend (Bell Bend) in the river southeast of the site. The site is relatively level to the east and

southeast. A hill rises to 750 ft (229 m) within one mile south of the site. The terrain to the northwest rises to approximately 1,600 ft (488 m) on top of Lee Mountain (approximately 5.5 mi (8.8 km) from the site).

BBNPP will be west and south of the existing Susquehanna Steam Electric Station (SSES) Units 1 and 2. Some portions of the site will be cleared of existing vegetation and graded to accommodate the nuclear island and its ancillary structures. These terrain modifications would be limited to the BBNPP site and the immediately surrounding area and, therefore, will not represent a significant alteration to the topographic character of the region around the BBNPP site.

2.7.6 ATMOSPHERIC DISPERSION FACTORS

2.7.6.1 Long-Term Routine Effluent Atmospheric Dispersion and Deposition Values

Normal effluent atmospheric dispersion and deposition factors were determined using the methodologies from Regulatory Guide 1.111, Revision 1 (NRC, 1977), and seven years of SSES onsite meteorological data (2001-2007). The data recovery goal of 90% was met for each of the seven years of data.

The following assumptions were made in the analysis of long-term routine effluent atmospheric dispersion and deposition factors:

- ◆ Releases from the Stack for normal effluent analyses are at a height that is less than 2 times the height of adjacent solid structures and are assumed to be ground level releases (except for the mixed mode case described in the next two bullet items).
- ◆ No building wake credit is taken for the normal effluent ground level release. This is a conservative assumption selected to bound elevated releases at sites with high terrain features (i.e., cases where the terrain heights exceed the release height). Building wake credit is taken for the normal effluent mixed mode release.
- ◆ Stack releases are from the base of the stack; however, stack release was from 62 m above grade for the mixed mode release case (2 meters above Reactor Building).
- ◆ In the AEOLUS3 mixed mode and ground level release runs, used 0.3 MeV as the gamma energy spectrum with a relative intensity of 1.0 MeV/sec.
- ◆ Grid downwind distances for which atmospheric dispersion factors for normal effluent mixed mode release analyses will be determined using computer code AEOLUS3 version 1.0 are: 403 m (0.25 mi), 805 m (0.5 mi), 1,208 m (0.75 mi), 1,500 m (0.93 mi), 1,609 m (1.0 mi), 2,000 m (1.2 mi), 2,414 m (1.5 mi), 3,218 m (2.0 mi), 4,023 m (2.5 mi), 4,827 m (3.0 mi), 5,632 m (3.5 mi), 6,436 m (4.0 mi), 7,241 m (4.5 mi), 8,045 m (5.0 mi), 12,068 m (7.5 mi), 16,090 m (10 mi), 24,135 m (15 mi), 32,180 m (20 mi), 40,225 m (25 mi), 48,270 m (30 mi), 56,315 m (35 mi), 64,360 m (40 mi), 72,405 m (45 mi), and 80,450 m (50 mi) (per section 2.7 of NUREG-1555).
- ◆ Grid downwind distances for which atmospheric dispersion factors for normal effluent ground level release analyses with no building wake will be determined using computer code AEOLUS3 version 1.0 are: 100 m (0.06 mi), 200 m (0.12 mi), 250 m (0.16 mi), 275 m (0.17 mi), 300 m (0.19 mi), 350 m (0.22 mi), 375 m (0.23 mi), 400 m (0.25 mi), 500 m (0.31 mi), 805 m (0.5 mile), 1,000 m (0.62 mi), 1,208 m (0.75 mi), 1,500 m (0.93 mi), 1,609 m (1.0 mi), 2,000 m (1.2 mi), 2,414 m (1.5 mi), 3,218 m (2.0 mi), 4,023 m (2.5 mi), 4,827 m (3.0 mi), 5,632 m (3.5 mi). (For use in determining dose to construction workers.)

- ◆ 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.

Table 2.7-128 presents the design input used in the routine effluent analyses.

2.7.6.1.1 Mixed Mode Release From Plant Stack

Table 2.7-129 through Table 2.7-160 present atmospheric dispersion factors (χ/Q 's) determined using methodologies from Regulatory Guide 1.111, Revision 1 (NRC, 1977), as implemented in the AREVA NP computer code AEOLUS3. The values are normal effluent annual average atmospheric dispersion and deposition factors for a mixed mode release from the plant stack. Seven years of SSES onsite meteorological data were used in the analysis (2001-2007).

The following settings were used in the AEOLUS3 computer code:

- ◆ Plume meander was considered.
- ◆ Site-specific recirculation correction factors (RCF's) were used.
- ◆ Wind speed extrapolation with height, where applicable, was done using the coefficients from XOQDOQ.
- ◆ Dispersion coefficients (s_y and s_z) were computed using the Eimutis/Konicek model in XOQDOQ.
- ◆ Depletion and deposition were computed using the RG 1.111, Rev. 1, curves.
- ◆ Wet deposition effects were not evaluated.
- ◆ No credit was taken for decay-in-transit of noble gases and iodines.

2.7.6.1.2 Ground Level Release with No Building Wake Credit

Table 2.7-162 and Table 2.7-163 present atmospheric dispersion factors (χ/Q 's) determined using methodologies from Regulatory Guide 1.111, Revision 1 (NRC, 1977), as implemented in AREVA NP computer code AEOLUS3. The values are normal effluent annual average atmospheric dispersion and deposition factors for a ground level release with no dispersion credit for building wake effects. Seven years of SSES onsite meteorological data were used in the analysis (2001-2007).

2.7.6.2 Fiftieth Percentile Atmospheric Dispersion Factors

Table 2.7-163 presents fiftieth percentile atmospheric dispersion factors for use in evaluating the environmental impact of design basis accidents using realistic values per Section 7.1. These factors were determined using the methodology of Regulatory Guide 1.145, Revision 1 (NRC, 1982) as implemented in the AREVA NP computer code AEOLUS3.

Making use of the methodology in Sections 1.4 and 2.2 of Regulatory Guide 1.145, the 0-2 hour 50th percentile value, and the five percentile values for all accident time periods, the 50th percentile values for the 2-8 hour, 8-24 hours, 1-4 days, and 4-30 days time periods were determined for the LPZ. For the analytical distance for the EAB, the 0-2 hour 50th percentile value was obtained directly. These values are presented in Table 2.7-162 for the analytical distance for the EAB and in Table 2.7-163 for the LPZ.

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 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).

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 χ/Q value should be on a straight line when plotted on a log-log graph.

Analysis assumptions included:

- ◆ For ground level releases modeled using the computer code AEOLUS3, terrain heights are not used. (Per Reg. Guide 1.145 Section 1.3.2, release-point and receptor elevations are assumed to be the same.)
- ◆ Releases from the Stack for DBA analyses are at a height that is less than 2.5 times the height of adjacent solid structures and are therefore assumed to be ground level releases. (Per Reg. Guide 1.145, Section 1.3.2)
- ◆ 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.

See Table 2.7-161 for design input used in the accident effluent analysis.

2.7.7 NOISE

The principal noise sources associated with normal operation of BBNPP are the switchyard, transformers, and Circulating Water System cooling tower. A survey was conducted in February and March 2008 to measure ambient environmental community noise levels to establish a baseline noise level in the presence of the existing SSES Units 1 and 2.

2.7.7.1 Environmental Noise Survey

Environmental sound levels were measured continuously at five area-wide locations over a 312-hour period during leaf-off seasonal conditions. As a result, any noise emissions from the existing SSES Units 1 and 2 would be highest due to the lack of tree leaf noise reduction.

Figure 2.7-97 shows the location of the five monitoring sites. Monitor location 1 was in the planned BBNPP plant area reasonably close to the existing SSES Units 1 and 2. Locations 2, 3 and 4 are at the closest residential receptors. Location 5 is on the power line right of way

approximately 200 feet from U.S. Route 11. The closest potentially sensitive receptors represent existing conditions and can be used to assess potential noise impacts from the new plant.

The instantaneous sound level was measured at each location on a continuous and simultaneous basis over the 312-hour period using precision data loggers. In addition, attended 10-minute sampling measurements were carried out at each location during day and night periods using hand-held precision data loggers. The attended measurements were carried out to observe sources of environmental sounds and to record the frequency spectrum of the sound level.

2.7.7.2 Metrics for Noise Assessment

The universal measure of noise in decibels is the A-weighted sound level, abbreviated dB(A) or dBA. The overall sound level is defined as the summed level in decibels over the entire audible frequency range of approximately 20 to 20,000 cycles/second (Hertz). The A-weighted sound level is a convenient single number to quantify the entire spectrum of a sound.

Percentile levels, or exceedence levels, designated L1, L10, L50 and L90 are statistically derived units over the sampling period. They are the levels exceeded for 1%, 10%, 50% and 90% of the sampling time. The L90 percentile level is the most common for evaluating community noise in residential environments. L90 is the "residual" sound level, which is the quasi-steady level that occurs in the absence of all identifiable sporadic sound levels occurring over the interval. The vast majority of all residual sound levels found in communities come from far away, unidentifiable steady levels from traffic or industrial sources.

The average, designated Leq, is the equivalent steady sound level that has the same acoustic energy as the actual time varying signal. It is the energy average, not the arithmetic average over the period. The 24 hour day-night sound level, or Ldn, is calculated from the average hourly Leq sound level over a 24 hour period, with a 10 dBA weighting factor added to all levels during the nighttime period from 10 PM to 7 AM to account for greater sensitivity to noise at night. There were no State or county noise ordinances found for the BBNPP site area. Salem Township has a qualitative noise standard in Section 318 of the Zoning Ordinance. The Standard states "Noise which is determined to be objectionable because of volume, frequency or beat shall be muffled or otherwise controlled."

EPA developed day-night sound levels as guidelines to protect public health and welfare from the effects of environmental noise. The yearly Ldn value to protect against outdoor activity interference and annoyance is 55 dBA (USEPA, 1974). The Department of Housing and Urban Development (HUD) adopted the EPA guidelines in the noise abatement and control regulations as a goal for outdoors in residential areas. However, for the purposes of the HUD regulation, sites with a Ldn value of 65 dBA and below are acceptable and allowable. (CFR, 2007)

2.7.7.3 Results

Figure 2.7-98 plots the hourly residual (L90) sound levels at the residential locations for the survey period. Specifically, the minimum hourly residual LA₉₀ sound levels at the residential locations for the survey period are plotted. The plot illustrates consistent trends in the five community locations except at location 5 (dotted line) that contains nearly constant noise from U.S. Route 11 only 200 ft (61 m) away. The levels for location 2 are calculated from the average of results at locations 1, 3 and 4. The residual ambient is essentially constant for all practical purposes at any of the locations 1, 3 and 4. This occurs in areas where the environmental sound sources are far off in distance relative to the distance between monitoring points and the

natural sources are similar at all locations. The sound of rain and high wind are indicated on the plot. The major source of environmental noise in the project area is from far-off unidentifiable traffic. Absolutely no sounds were detectable during attended measurement for normal operation on February 29, 2008. SSES Unit 1 was shut down on March 3, 2008. Noise from the plant, presumed to be construction or maintenance sources, was readily audible during the March 14, 2008 attended measurement survey. Therefore, in the absence of construction and maintenance activities, all measured ambient sound levels can be attributed to normal, current environmental sources, such as traffic noise, high wind and rain and are not related to the existing SSES Units 1 and 2 plant.

Table 2.7-166 tabulates the major survey results at all locations for some commonly used sound level metrics to assess noise impact. Table 2.7-167 tabulates the calculated 24-hour daily logarithmic average Ldn sound levels. Location 1 is at the plant and can be considered the control point. Locations 2, 3 and 4 are at the closest residential receptors, while location 5 is on the power line right of way approximately 200 ft (61 m) from U.S. Route 11. The 24-hour logarithmic average day-night sound levels at Locations 2, 3 and 4 are 57 dBA, 59 dBA and 59 dBA respectively. These Ldn values are below the HUD environmental goal of 65 dBA. Conversely, location 5 is near a noise source, U.S. Route 11, and the 24-hour logarithmic average Ldn was 65 dBA with a standard deviation of 2.1 dBA for the duration of the study. Wind conditions also have an effect, as the Ldn increases with increased wind speed. Apart from these effects, Ldn noise levels of below 60 to 65 dBA are considered to be of small significance, as noted in NUREG-1437 (NRC, 1996). All measurements taken at locations 2, 3 and 4 had logarithmic average Ldn values below 60 dBA while at location 5 the logarithmic average Ldn value was 65 dBA.

The survey results document existing conditions for a typical and representative period during the leaf-off season. During leaf-on season, fully leafed trees would attenuate or reduce traffic noise from U.S. Route 11 and any existing plant emissions, both factors tending to decrease residual sound levels. A baseline environmental noise survey performed during leaf-on season supports this conclusion. The 24-hour logarithmic average day-night sound levels at Locations 2, 3, 4 and 5 are 56 dBA, 58 dBA, 53 dBA and 57 dBA, respectively. These average Ldn values are all less than 60 dBA and the HUD environmental goal of 65 dBA.

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Table 2.7-1 National Ambient Air Quality Standards

(From <http://epa.gov/air/criteria.html>)

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 (PM10)	150 µg/m ³	24-hour ⁽²⁾	Same as Primary	
Particulate Matter (PM2.5)	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 PM2.5 concentrations from single or multiple community-oriented monitors must not exceed 15.0 µg/m³.
- (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/m³ (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.

Table 2.7-2 Tornadoes Reported in Luzerne County, Pennsylvania

15 TORNADO(s) were reported in Luzerne County, Pennsylvania between 01/01/1950 and 08/31/2007.					Mag: Magnitude				
					Dth: Deaths				
					Inj: Injuries				
					PrD: Property Damage				
					CrD: Crop Damage				
Pennsylvania									
Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD	
1 LUZERNE	07/04/1960	1630	Tornado	F2	0	0	25K	0	
2 LUZERNE	01/27/1962	0130	Tornado	F1	0	0	250K	0	
3 LUZERNE	09/10/1968	1345	Tornado	F2	0	0	25K	0	
4 LUZERNE	06/19/1975	0930	Tornado	F1	0	0	25K	0	
5 LUZERNE	05/06/1980	1445	Tornado	F0	0	0	3K	0	
6 LUZERNE	06/21/1981	1530	Tornado	F1	0	0	25K	0	
7 LUZERNE	07/06/1984	1615	Tornado	F2	0	12	250K	0	
8 LUZERNE	05/31/1985	2045	Tornado	F1	0	0	250K	0	
9 LUZERNE	08/10/1986	1845	Tornado	F0	0	0	3K	0	
10 LUZERNE	09/20/1988	2000	Tornado	F1	0	0	25K	0	
11 Bear Creek	04/16/1993	1520	Tornado	F1	0	0	500K	0	
12 Duryea	06/22/1996	03:00 PM	Tornado	F0	0	0	200K	0.0M	
13 Pittston	05/31/1998	06:00 PM	Tornado	F0	0	0	50K	0	
14 Dallas	07/22/2006	11:15 AM	Tornado	F0	0	0	100K	0	
15 Hobbie	12/01/2006	04:52 PM	Tornado	F2	0	5	1.0M	0K	
TOTALS:					0	17	2.730M	0	

Table 2.7-3 Tornadoes Reported in Columbia County, Pennsylvania

8 TORNADO(s) were reported in Columbia County, Pennsylvania between 01/01/1950 and 11/30/2007.					Mag: Magnitude				
					Dth: Deaths				
					Inj: Injuries				
					PrD: Property Damage				
					CrD: Crop Damage				
Pennsylvania									
Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD	
1 COLUMBIA	03/26/1964	1230	Tornado	F1	0	0	0K	0	
2 COLUMBIA	04/17/1982	1550	Tornado	F2	0	1	25K	0	
3 COLUMBIA	07/26/1989	1615	Tornado	F1	0	0	25K	0	
4 COLUMBIA	07/15/1992	1300	Tornado	F1	0	0	0K	0	
5 Bloomsburg	06/27/1994	1245	Tornado	F1	0	0	500K	0	
6 Catawissa	05/27/2001	02:25 PM	Tornado	F0	0	0	0	0	
7 Jerseytown	04/28/2002	04:55 PM	Tornado	F1	0	0	90K	0	
8 Millville	06/17/2004	03:50 PM	Tornado	F0	0	0	0	0	
TOTALS:					0	1	640K	0	

Table 2.7-4 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

¹ Includes subtropical storms after 1967. See Neumann et al. 1999 for details.
* Less than 0.05.

Table 2.7-5 Tropical Storms and Hurricanes Passing Within 100 Miles (161' km) of Berwick, Pennsylvania

Rec	YEAR	MONTH	DAY	STORM NAME	WIND SPEED (KTS)	PRESSURE (MB)	CATEGORY
1	1878	10	23	NOTNAMED	80	975	H1
2	1878	10	23	NOTNAMED	70	0	H1
3	1885	10	13	NOTNAMED	40	0	E
4	1885	10	14	NOTNAMED	40	0	E
5	1888	8	21	NOTNAMED	45	0	TS
6	1888	8	22	NOTNAMED	40	0	TS
7	1893	8	29	NOTNAMED	55	0	TS
8	1893	8	29	NOTNAMED	55	0	TS
9	1899	11	1	NOTNAMED	50	0	E
10	1899	11	1	NOTNAMED	50	0	E
11	1903	9	16	NOTNAMED	55	0	TS
12	1903	9	17	NOTNAMED	55	0	TS
13	1903	9	17	NOTNAMED	45	0	TS
14	1915	8	4	NOTNAMED	25	0	TD
15	1915	8	4	NOTNAMED	25	0	TD
16	1923	10	24	NOTNAMED	45	0	E
17	1923	10	24	NOTNAMED	40	0	E
18	1923	10	24	NOTNAMED	35	0	E
19	1929	10	3	NOTNAMED	35	0	E
20	1929	10	3	NOTNAMED	30	0	E
21	1933	8	24	NOTNAMED	45	0	TS
22	1933	8	24	NOTNAMED	45	0	TS
23	1933	8	24	NOTNAMED	40	0	TS
24	1939	8	19	NOTNAMED	25	0	TD
25	1939	8	20	NOTNAMED	25	0	TD
26	1939	8	20	NOTNAMED	25	0	TD
27	1943	10	1	NOTNAMED	30	0	TD
28	1945	9	18	NOTNAMED	30	0	E
29	1945	9	19	NOTNAMED	25	0	E
30	1949	8	29	NOTNAMED	40	1000	TS
31	1949	8	29	NOTNAMED	35	1000	TS
32	1952	9	1	ABLE	35	0	TS
33	1954	10	15	HAZEL	80	970	E
34	1954	10	16	HAZEL	70	0	E
35	1955	8	13	CONNIE	45	982	TS
36	1955	8	13	CONNIE	35	995	TS
37	1955	8	18	DIANE	45	1004	TS
38	1955	8	19	DIANE	40	1003	TS
39	1959	10	1	GRACIE	30	0	E
40	1959	10	1	GRACIE	30	0	E
41	1979	9	6	DAVID	40	989	TS
42	1979	9	6	DAVID	40	991	TS
43	1979	9	14	FREDERIC	35	997	TS
44	1988	8	29	CHRIS	20	1010	TD
45	1992	9	26	DANIELLE	35	1010	TS
46	1994	8	18	BERYL	15	1011	TD
47	1994	8	18	BERYL	15	1010	TD

Table 2.7-5 Tropical Storms and Hurricanes Passing Within 100 Miles (161' km) of Berwick, Pennsylvania

Rec	YEAR	MONTH	DAY	STORM NAME	WIND SPEED (KTS)	PRESSURE (MB)	CATEGORY
48	1999	9	7	DENNIS	20	1009	TD
49	1999	9	7	DENNIS	20	1008	TD
50	2006	9	2	ERNESTO	40	1010	E
51	2006	9	3	ERNESTO	35	1012	E
52	2006	9	3	ERNESTO	25	1014	E
E = Extra-tropical TD = Tropical Depression TS = Tropical Storm H1 = Hurricane Category 1					1 knot = 1.15 mph 1 knot = 0.514 m/sec		

Table 2.7-6 Monthly Mean Number of Days with Thunderstorms

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/ Scranton, PA	0.2	0.2	0.6	1.9	3.5	5.3	6.3	4.6	2.2	0.9	0.4	0.2	26.3
Allentown, PA	0.3	0.2	0.8	2.0	3.7	5.4	6.0	5.2	2.6	0.8	0.7	0.1	27.8
Williamsport, PA	0.3	0.3	0.8	2.0	4.5	6.3	7.4	5.6	2.9	0.9	0.5	0.3	31.8

Table 2.7-7 Drought Events Reported in Luzerne County, Pennsylvania

(Page 1 of 2)

Date	Time	Description
09/24/1993	0800	Below normal rainfall during the summer months caused reservoirs in the Upper Delaware Basin to drop significantly. Subsequently, a drought warning was issued on September 24 for the Poconos, Northeast Metropolitan, Lehigh Valley, Southeast and portions of the Lower Susquehanna Valley. Normal and above normal precipitation during September and October did allow the reservoirs to recharge in October.
03/01/1995 ⁽¹⁾	0000	None provided.
05/01/1995 ⁽¹⁾	0000	May 1995 was an unseasonably dry month throughout most of Northeast Pennsylvania and parts of the Middle and Lower Susquehanna Valley. Departures from normal exceeded one inch in this area (Close to two inches in Wayne, Luzerne and Lackawanna Counties). Wilkes-Barre Scranton Airport in Avoca had only 1.40 inches of rain during May. Normal is 3.65 inches.
06/01/1995 ⁽¹⁾	0000	June 1995 continued the trend of drier than normal weather throughout most of eastern Pennsylvania except for the Western Poconos and the Middle and Lower Susquehanna Valleys. Monthly rainfall totals of 30 to 67 percent of normal occurred with the driest weather in Lackawanna, Philadelphia and Wyoming Counties. At Philadelphia International Airport, the monthly rainfall of 0.62 inches was the 5th driest June on record. At the Allentown-Bethlehem-Easton Airport, the 1.44 inches of rain was the 6th driest June on record.
09/01/1995 ⁽¹⁾	0000	The drought, which entered its thirteenth month, continued unabated throughout Eastern Pennsylvania the first half of September. Rainfall was closer to normal during the second half of the month, especially in the extreme southeast. Consequently Bradford, Bucks, Chester, Delaware, Montgomery and Philadelphia Counties either had normal or above normal rainfall for the month. Most other counties had about 75% of normal rainfall, but precipitation deficiencies of less than 50% of normal (or around two inches below normal for the month) occurred in the Susquehanna Valley in Union, Snyder, Perry and Cumberland Counties. The rain came too late to help farmers and by the end of the month, most of Eastern Pennsylvania was under a drought emergency. Harrisburg Pennsylvania set a record for the longest period without measurable precipitation, 28 days, from August 10 through September 7. September started dry and a Drought Warning was declared by the Pennsylvania Department of Environmental Protection for all of Eastern Pennsylvania on the 1st. The warning asked for voluntary conservation of non-essential water use. Tougher, mandatory restrictions were implemented during the first half of the month in some townships in Bucks and Lancaster Counties. In Lancaster County by September 13th about 80 separate brush fires were extinguished. Most were caused by cigarette butts tossed from moving cars, sparks from railroads and fires which burned out of control. Ephrata Township banned all outside burning. On September 14th the Susquehanna River Basin Commission declared a drought warning. On September 15th, the Delaware River Basin Commission declared a drought warning (first since 1993) for all or part of 17 eastern counties within the river's 13,539 square mile drainage basin. Both warnings requested voluntary curbs on non-essential water use. On September 20th, the drought warning was upgraded to a drought emergency for all of Eastern Pennsylvania except Perry, Dauphin, Lebanon, Cumberland, York and Lancaster Counties. It was the first drought emergency declared in Pennsylvania since July 1991. Mandatory restrictions were in place concerning water use on lawns, gardens, golf courses, paved surfaces, water fountains and vehicles. Crop losses caused by the drought were estimated at \$300 million statewide. Corn yields averaged 106 bushels per acre versus a normal of 120 bushels per acre. Soybean yields averaged 40 bushels per acre versus a normal of 60 bushels per acre. The late soybean crop was deemed "not worth anything". In alfalfa fields, there were three cuttings instead of four. Also affected by the drought were pumpkins (smaller and matured faster than normal) and Christmas trees (smaller). The lack of water took its toll on livestock also, although the greatest damage was done during the oppressive heat wave in the middle of July.
08/01/1997	12:00 AM	A very dry summer finally culminated in major crop failures come harvest time towards the end of August. Sweet corn and tomatoes, two of the major money making crops for small farmers in northeast Pennsylvania, appeared to suffer some of the worst damage. According to figures from some of the individual farmers themselves and also the Pennsylvania State Agricultural Extension Service, losses nearing 1.5 million dollars were tallied. Financial assistance was granted in many cases. Precipitation figures at the Wikes-Barre Scranton airport and other cooperative sites across the region averaged less than 30% of normal for the period from June 1st to the end of August. At long last, a couple of more significant rainfall events began to ease the situation at the very end of August.

Table 2.7-7 Drought Events Reported in Luzerne County, Pennsylvania

(Page 2 of 2)

Date	Time	Description
12/01/1998	12:00 AM	December was another very dry month across northeastern Pennsylvania. This culminated a six month period starting back in the early summer of dry conditions. During December, much of the region received between 1.0 and 1.5 inches of liquid equivalent precipitation. This equates to half or less of the normal precipitation for the month. Precipitation totals for the six month period between June and December averaged 6 to 7 inches below climatological normals for the entire region. A drought watch was issued early in the month by the Pennsylvania Department of Environmental Protection. This watch called for voluntary water conservation. The watch was upgraded to a drought warning on the 14th. The Delaware River Basin Commission followed suit with a drought warning issuance for those counties within the Delaware River Basin, including Wayne and Pike. These warnings remained in effect for the remainder of the month and called for a ten percent voluntary reduction in non-essential water usage.
09/01/1999	12:00 AM	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. 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.
Note: ⁽¹⁾ Considered to be a single contiguous event.		

Table 2.7-8 Drought Events Reported in Columbia County, Pennsylvania

(Page 1 of 2)

Date	Time	Description
03/01/1995	0000	None provided.
05/01/1995	0000	May 1995 was an unseasonably dry month throughout most of Northeast Pennsylvania and parts of the Middle and Lower Susquehanna Valley. Departures from normal exceeded one inch in this area (Close to two inches in Wayne, Luzerne and Lackawanna Counties). Wilkes-Barre Scranton Airport in Avoca had only 1.40 inches of rain during May. Normal is 3.65 inches.
05/01/1995	0000	Three consecutive months of below normal precipitation culminated in one of the driest springs on record for the Poconos, Middle Susquehanna Valley and parts of the Philadelphia Metropolitan Area. It was the second driest spring on record at Williamsport with only 5.55 inches falling. It was the 5th driest spring on record in Philadelphia with only 6.30 inches falling.
09/01/1995	0000	The drought, which entered its thirteenth month, continued unabated throughout Eastern Pennsylvania the first half of September. Rainfall was closer to normal during the second half of the month, especially in the extreme southeast. Consequently Bradford, Bucks, Chester, Delaware, Montgomery and Philadelphia Counties either had normal or above normal rainfall for the month. Most other counties had about 75% of normal rainfall, but precipitation deficiencies of less than 50% of normal (or around two inches below normal for the month) occurred in the Susquehanna Valley in Union, Snyder, Perry and Cumberland Counties. The rain came too late to help farmers and by the end of the month, most of Eastern Pennsylvania was under a drought emergency. Harrisburg Pennsylvania set a record for the longest period without measurable precipitation, 28 days, from August 10 through September 7. September started dry and a Drought Warning was declared by the Pennsylvania Department of Environmental Protection for all of Eastern Pennsylvania on the 1st. The warning asked for voluntary conservation of non-essential water use. Tougher, mandatory restrictions were implemented during the first half of the month in some townships in Bucks and Lancaster Counties. In Lancaster County by September 13th about 80 separate brush fires were extinguished. Most were caused by cigarette butts tossed from moving cars, sparks from railroads and fires which burned out of control. Ephrata Township banned all outside burning. On September 14th the Susquehanna River Basin Commission declared a drought warning. On September 15th, the Delaware River Basin Commission declared a drought warning (first since 1993) for all or part of 17 eastern counties within the river's 13,539 square mile drainage basin. Both warnings requested voluntary curbs on non-essential water use. On September 20th, the drought warning was upgraded to a drought emergency for all of Eastern Pennsylvania except Perry, Dauphin, Lebanon, Cumberland, York and Lancaster Counties. It was the first drought emergency declared in Pennsylvania since July 1991. Mandatory restrictions were in place concerning water use on lawns, gardens, golf courses, paved surfaces, water fountains and vehicles. Crop losses caused by the drought were estimated at \$300 million statewide. Corn yields averaged 106 bushels per acre versus a normal of 120 bushels per acre. Soybean yields averaged 40 bushels per acre versus a normal of 60 bushels per acre. The late soybean crop was deemed "not worth anything". In alfalfa fields, there were three cuttings instead of four. Also affected by the drought were pumpkins (smaller and matured faster than normal) and Christmas trees (smaller). The lack of water took its toll on livestock also, although the greatest damage was done during the oppressive heat wave in the middle of July.
10/31/1997	08:00 AM	As the growing season drew to a close, farmers assessed damage from an early season drought. Forty-six counties and their contiguous neighbors were declared agricultural disaster areas by the U.S. Department of Agriculture. Farmers in all Pennsylvania counties became eligible for disaster relief. Precipitation deficits for the growing season from April through October ranged from -1.6 inches over Cumberland County to a disastrous -8.5 inches over York County. Much of the rain over Cumberland and Mifflin Counties fell during the flash flood of September 11th, too late to be beneficial to crops.
12/15/1998	12:01 AM	Abnormally dry conditions through the Fall months developed into drought across all of central Pennsylvania by mid-December. Governor Tom Ridge declared drought emergency conditions in 9 central Pennsylvania counties with drought warnings in others, calling for restrictions on water use and reduced water consumption of 10 to 15 percent. Precipitation departures from normal for the 4 months leading up to the declaration totaled more than 8 inches in a number of locations, with nearly all areas in deficit by more than 4 inches. Bans were placed on outdoor burning as numerous woodland and brush fires occurred across the region.

Table 2.7-8 Drought Events Reported in Columbia County, Pennsylvania

(Page 2 of 2)

Date	Time	Description
07/01/1999	12:00 AM	Governor Ridge declared a drought emergency in 55 of the 67 counties of Pennsylvania following extended dry weather through much of the summer. Water usage was restricted. Precipitation deficits for many counties for the months of May through July averaged between 5 and 7 inches. Precipitation departures for the 365 day period ending in mid-July were over 1 foot below normal in many places. This is about one-third of total annual normal precipitation in most areas. Streams were empty, wells dried up, and the Susquehanna River hit record low flows. Hot sunny days combined with the dry weather to take a large toll on crops. Estimates by the Department of Agriculture indicated possible crop losses in excess of \$500 million. The figure did not include a 20% decrease in milk production due to the drought that would also result in million dollar losses. There were some counties that experienced 70 to 100% crop loss. At least 30% losses are needed for a drought disaster declaration.
08/01/1999	12:01 AM	A drought emergency remained in effect for 55 of the 67 counties of Pennsylvania. In spite of the severe flash flooding in a few locations and normal or above normal precipitation in many others, water tables remained low and water usage was restricted.

Table 2.7-9 Fifty Knots or Greater High Wind Events in Luzerne County, Pennsylvania

(Page 1 of 2)

Date	Time	Wind Speed knots (m/s)	Type
06/06/1971	1752	76 (39)	Tstm Wind
04/03/1982	1440	60 (31)	Tstm Wind
07/16/1988	1712	50 (26)	Tstm Wind
01/14/1992	0935	64 (33)	Tstm Wind
09/03/1993	1630	52 (27)	Tstm Wind
05/24/1995	1924	56 (29)	Tstm Wind
07/18/1997	04:35 PM	55 (28)	Tstm Wind
02/17/1998	04:00 PM	55 (28)	High Wind
05/31/1998	05:15 PM	175 (90)	Tstm Wind/hail
09/07/1998	11:10 AM	65 (33)	Tstm Wind
07/09/1999	09:55 PM	50 (26)	Tstm Wind
05/18/2000	04:00 PM	65 (33)	Tstm Wind
06/02/2000	04:18 PM	55 (28)	Tstm Wind
12/12/2000	05:00 AM	52 (27)	High Wind
04/09/2001	06:50 PM	52 (27)	Tstm Wind
04/09/2001	06:50 PM	52 (27)	Tstm Wind
05/27/2001	05:00 PM	80 (41)	Tstm Wind
07/01/2001	01:50 PM	55 (28)	Tstm Wind
07/10/2001	03:10 PM	50 (26)	Tstm Wind
03/09/2002	11:25 PM	60 (31)	Tstm Wind
07/21/2003	04:50 PM	55 (28)	Tstm Wind
07/21/2003	05:10 PM	55 (28)	Tstm Wind
09/19/2003	05:00 AM	50 (26)	High Wind
10/15/2003	12:00 PM	60 (31)	High Wind
11/13/2003	12:00 PM	58 (30)	High Wind
08/20/2004	03:00 PM	60 (31)	Tstm Wind
11/25/2004	08:00 AM	60 (31)	Tstm Wind
06/06/2005	12:20 PM	50 (26)	tstm Wind
06/09/2005	03:00 PM	75 (39)	Tstm Wind
07/13/2005	03:25 PM	50 (26)	Tstm Wind
08/12/2005	04:25 PM	50 (26)	Tstm Wind
08/14/2005	05:40 PM	50 (26)	Tstm Wind
11/06/2005	05:45 PM	50 (26)	Tstm Wind
11/06/2005	06:04 PM	57 (29)	Tstm Wind
11/06/2005	06:12 PM	50 (26)	Tstm Wind
11/09/2005	04:30 PM	50 (26)	Tstm Wind
11/29/2005	06:00 AM	50 (26)	Strong Wind
02/17/2006	09:25 AM	57 (29)	Tstm Wind
07/02/2006	03:35 PM	50 (26)	Tstm Wind
08/03/2006	03:35 PM	50 (26)	Tstm Wind
12/01/2006	03:00 PM	51 (26)	High Wind
12/01/2006	04:45 PM	55 (28)	Tstm Wind
12/01/2006	04:50 PM	66 (34)	Tstm Wind
12/01/2006	04:55 PM	57 (29)	Tstm Wind
06/08/2007	1:15 PM	50 (26)	Tstm Wind
06/19/2007	16:34 PM	50 (26)	Tstm Wind
06/19/2007	16:55 PM	50 (26)	Tstm Wind
06/19/2007	17:05 PM	50 (26)	Tstm Wind

Table 2.7-9 Fifty Knots or Greater High Wind Events in Luzerne County, Pennsylvania

(Page 2 of 2)

Date	Time	Wind Speed knots (m/s)	Type
06/27/2007	17:30 PM	52 (27)	Tstm Wind
07/27/2007	16:15 PM	52 (27)	Tstm Wind
08/07/2007	23:35 PM	50 (26)	Tstm Wind
08/25/2007	18:20 PM	50 (26)	Tstm Wind

Wind speed conversion: 1 knot = 1.15 mph = 0.515 mps

Table 2.7-10 Hail Events in Luzerne County, Pennsylvania

(Page 1 of 2)

Location or County	Date	Time	Type	Diameter inches (mm)
1 LUZERNE	06/10/1958	1728	Hail	1 (25.4)
2 LUZERNE	06/10/1958	1728	Hail	1 (25.4)
3 LUZERNE	06/06/1971	1655	Hail	1.75 (44)
4 LUZERNE	06/06/1971	1735	Hail	1 (25.4)
5 LUZERNE	07/03/1975	1100	Hail	1.75 (44)
6 LUZERNE	07/03/1975	1145	Hail	0.75 (19)
7 LUZERNE	06/29/1976	1630	Hail	1.75 (44)
8 LUZERNE	06/30/1976	0940	Hail	1.75 (44)
9 LUZERNE	06/24/1985	1030	Hail	0.75 (19)
10 LUZERNE	06/24/1985	1030	Hail	2.75 (70)
11 LUZERNE	06/24/1985	1130	Hail	2.75 (70)
12 LUZERNE	07/12/1985	1653	Hail	1 (25.4)
13 LUZERNE	06/30/1990	1830	Hail	1.75 (44)
14 Mountaintop	08/27/1994	1450	Hail	1 (25.4)
15 Mountain Top	06/14/1995	1450	Hail	1 (25.4)
16 Mountaintop Plymouth	07/06/1995	1715	Hail	Not listed
17 Plymouth And Mountain	07/15/1995	1615	Hail	1 (25.4)
18 Shavertown	05/31/1998	05:15 PM	Tstm Wind/hail	Not listed
19 Dorrance	05/24/2000	02:15 PM	Hail	1.75 (44)
20 Huntsville	07/10/2001	03:15 PM	Hail	1 (25.4)
21 Plymouth	07/10/2001	03:30 PM	Tstm Wind/hail	Not listed
22 Nanticoke	07/11/2001	03:40 AM	Hail	1.75 (44.)
23 Plymouth	07/11/2001	03:40 AM	Tstm Wind/hail	Not listed
24 Wilkes Barre	11/25/2001	04:30 PM	Tstm Wind/hail	Not listed
25 White Haven	05/11/2003	06:55 PM	Hail	0.75 (19)
26 Wilkes Barre	08/16/2003	12:30 PM	Hail	0.75 (19)
27 Dallas	05/24/2004	02:30 PM	Hail	1 (25.4)

Table 2.7-10 Hail Events in Luzerne County, Pennsylvania

(Page 2 of 2)

Location or County	Date	Time	Type	Diameter inches (mm)
28 Nescopeck	06/06/2005	12:30 PM	Hail	0.75 (19)
29 Nanticoke	04/24/2006	04:15 AM	Hail	0.88 (22)
30 White Haven	05/30/2006	03:45 PM	Hail	0.75 (19)
31 West Wyoming	06/09/2006	04:53 PM	Hail	0.88 (22)
32 Hughestown	06/09/2006	05:00 PM	Hail	0.75 (19)
33 Hughestown	06/09/2006	05:05 PM	Hail	0.88 (22)
34 Hazleton	07/09/2006	06:25 PM	Hail	0.75 (19)
35 Hazleton	07/09/2006	06:56 PM	Hail	0.88 (22)
36 Mtn Top	07/09/2006	07:02 PM	Hail	0.75 (19)
37 Hazleton	07/09/2006	07:20 PM	Hail	0.88 (22)
38 West Hazleton	07/11/2006	09:21 PM	Hail	0.75 (19)
39 Harveys Lake	05/31/2007	14:05 PM	Hail	0.75 (19)
40 Wilkes Barre	07/06/2007	17:30 PM	Hail	0.75 (19)
41 Conyngham	08/17/2007	12:55 PM	Hail	0.75 (19)
42 Hazleton Municipal Airport	8/17/2007	13:00 PM	Hail	0.88 (22)
43 Jeanesville	08/17/2007	13:00 PM	Hail	0.75 (19)
44 Jeanesville	08/17/2007	13:05 PM	Hail	1.75 (44)
45 Jeanesville	08/17/2007	13:18 PM	Hail	1.25 (32)

Table 2.7-11 Hail Events in Columbia County, Pennsylvania

(Page 1 of 2)

Location or County	Date	Time	Type	Diameter inches (mm)
1 COLUMBIA	07/11/1980	1800	Hail	1.75 (44)
2 COLUMBIA	07/19/1983	1235	Hail	2.75 (70)
3 COLUMBIA	08/01/1986	1615	Hail	2.00 (51)
4 COLUMBIA	07/23/1991	1300	Hail	1 (25.4)
5 COLUMBIA	07/15/1992	1255	Hail	2.00 (51)
6 Orangeville	07/06/1994	1725	Hail	0.75 (19)
7 Bloomsburg	08/27/1994	1629	Hail	1 (25.4)
8 Bloomsburg	04/04/1995	1055	Hail	0.75 (19.)
9 Centralia	05/11/1996	02:05 PM	Hail	1.75 (44)
10 Centralia	06/02/1998	08:45 PM	Hail	0.75 (19)
11 Jerseytown	09/07/1998	10:41 AM	Hail	0.88 (22)
12 Benton	05/10/2000	11:10 AM	Hail	1 (25.4)
13 Stillwater	05/24/2000	01:45 PM	Hail	0.75 (19)
14 Millville	07/21/2000	02:15 PM	Hail	1.25 (32)
15 Millville	06/20/2001	02:15 PM	Hail	1 (25.4)
16 Waller	09/13/2001	05:35 PM	Hail	1.75 (44)
17 Millville	09/13/2001	06:15 PM	Hail	0.75 (19)
18 Numidia	05/26/2004	05:25 PM	Hail	0.75 (19)
19 Millville	06/17/2004	03:40 PM	Hail	0.88 (22)
20 Bloomsburg	07/14/2004	02:54 PM	Hail	0.75 (19)
21 Central	08/12/2005	04:15 PM	Hail	1 (25.4)
22 Numidia	05/30/2006	05:59 PM	Hail	1 (25.4)
23 Bloomsburg	06/13/2007	13:55 PM	Hail	0.75 (19)
24 Bloomsburg	06/19/2007	16:40 PM	Hail	0.75 (19)
25 Millville	08/17/2007	12:43 PM	Hail	0.88 (22)

Table 2.7-11 Hail Events in Columbia County, Pennsylvania

(Page 2 of 2)

Location or County	Date	Time	Type	Diameter inches (mm)
26 Bloomsburg	08/17/2007	13:16 PM	Hail	1 (25.4)
27 Bloomsburg	08/25/2007	16:00 PM	Hail	0.75 (19)
28 Orangeville	08/30/2007	16:35 PM	Hail	0.88 (22)

Table 2.7-12 Ice Storm Events in Luzerne County, Pennsylvania

Location or County	Start Date and time	End Date and Time	Ice Thickness
PAZ038>040 - 043>044 - 047>048	01/02/1999 05:00 PM	01/03/1999 09:00 AM	Not listed
PAZ038>040 - 043>044 - 047>048	01/13/1999 08:00 PM	01/15/1999 11:00 AM	Not listed
PAZ038>040 - 043>044 - 047>048	02/13/2000 05:00 PM	02/14/2000 03:00 PM	Up to 0.25 inches 6.35 mm
PAZ040 - 043>044 - 047>048	12/13/2000 11:00 PM	12/14/2000 10:00 AM	0.25 to 0.5 inches 6.35 to 12.7 mm
PAZ038>040 - 043>044 - 047>048	02/24/2001 11:00 PM	02/25/2001 12:00 PM	Not listed
PAZ038>040 - 043>044 - 047>048	01/31/2002 01:00 AM	01/31/2002 11:59 PM	Up to 0.25 inches 6.35 mm
PAZ038>040 - 043>044 - 047>048	02/01/2002 12:00 AM	02/01/2002 12:00 PM	Up to 0.25 inches 6.35 mm
PAZ038>040 - 043>044 - 047>048	12/11/2002 08:00 AM	12/12/2002 08:00 AM	Up to 0.5 inches 12.7 mm
PAZ038>040 - 043>044 - 047>048 - 072	01/06/2005 02:00 AM	01/06/2005 02:00 PM	Up to 0.25 inches 6.35 mm
PAZ038>040 - 043>044 - 047>048 - 072	10/25/2005 11:00 AM	10/25/2005 10:00 PM	Not listed
PAZ040 - 043>044 - 047>048 - 072	12/16/2005 06:00 AM	12/16/2005 08:00 AM	Up to 0.5 inches 12.7 mm
PAZ038>040 - 043>044 - 047>048 - 072	02/13/2007 03:00 PM	02/14/2007 21:00 PM	Not listed
PAZ038>040 - 043>044 - 047	04/15/2007 01:00 AM	04/16/2007 19:00 PM	Not listed

Table 2.7-13 Ice Storm Events in Columbia County, Pennsylvania

(Page 1 of 2)

Location or County	Start Date and time	End Date and Time	Ice Thickness
PAZ037>047 - 049>054 - 056>059	11/27/1994 1500 PM	11/27/1994 2130 PM	Not listed
PAZ037>043 - 045 - 046 - 048>053 - 058	12/09/1994 1300 PM	12/09/1994 2100 PM	Not listed
PAZ037>055 - 058 - 060>062	12/31/1994 1445 PM	01/01/1995 0500	Not listed
PAZ045 - 046 - 048>055 - 058 - 060>062	01/06/1995 1900 PM	01/07/1995 0500 AM	Not listed
PAZ037>043 - 045 - 046 - 049>055 - 058 - 060>062	01/11/1995 1900 PM	01/12/1995 0400 AM	Not listed
PAZ037>055 - 058 - 060>062	01/31/1995 1445 PM	02/01/1995 0500 AM	Not listed
PAZ037>039 - 041>053 - 056 - 057 - 059 - 063>071	02/15/1995 0900 AM	02/15/1995 2100 PM	Not listed
PAZ045 - 046 - 049 - 053>059 - 063>066	02/26/1995 2200 PM	02/27/1995 0400 AM	Not listed
PAZ037>039 - 041 - 042 - 045 - 046 - 049>053	02/27/1995 1000 AM	02/28/1995 0500 AM	Not listed
PAZ004 - 005 - 006 - 010 - 011 - 012 - 017>019 - 024>028 - 033>037 - 041 - 042 - 045 - 046 - 049>053 - 056 - 063	11/14/1995 0600 AM	Not provided	Not listed
PAZ004 - 005 - 006 010 - 011 - 012 017>019 - 024>028 - 033>037 - 041 - 042 - 045 - 046 - 049>053 - 056 - 063	12/19/1995 0500 AM	12/20/1995 0300 AM	Not listed
PAZ017>019 - 024 - 026>028 - 036>037 - 041>042 - 045 - 049>053 - 056>059 - 063>066	02/13/1997 12:00 PM	02/13/1997 12:00 PM	Not listed
PAZ005>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	01/15/1998 04:00 PM	01/15/1998 0400 AM	Up to 0.25 inches 6.35 mm
PAZ006 - 012 - 018>019 - 037 - 041>042 - 045>046 - 049>053	01/22/1998 10:00 PM	01/22/1998 10:00 PM	Not listed
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	01/02/1999 11:00 PM	01/02/1999 11:00 PM	Not listed
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	01/08/1999 08:00 PM	01/08/1999 08:00 PM	Not listed
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	01/14/1999 06:00 AM	01/14/1999 06:00 AM	Not listed
PAZ005>006 - 010>012 - 018>019 - 025>028 - 037 - 041>042 - 045>046 - 049>053 - 056>059 - 064>066	02/13/2000 06:00 PM	02/14/2000 08:00 AM	Not listed
PAZ005>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	02/18/2000 08:00 AM	02/19/2000 08:00 AM	Not listed
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	12/13/2000 10:00 PM	12/14/2000 10:00 AM	Up to 0.25 inches 6.35 mm
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	12/10/2002 08:00 AM	12/11/2002 10:00 PM	0.25 to 0.5 inches 6.35 to 12.7 mm
PAZ005>006 - 010>012 - 041>042 - 045>046 - 053	01/01/2003 03:00 AM	01/02/2003 08:00 PM	Not listed for Columbia County
PAZ004>005 - 010>011 - 017>019 - 024>028 - 033>036 - 042 - 049>053 - 056>059 - 063>066	02/06/2004 05:00 AM	02/06/2004 03:00 PM	0.25 to 0.5 inches 6.35 to 12.7 mm
PAZ004>006 - 010>012 - 017>019 - 024>028 - 034 - 037 - 041>042 - 045>046 - 049>053 - 058	01/05/2005 10:00 PM	01/06/2005 10:00 AM	Not listed for Columbia County
PAZ012 - 018 - 028 - 041>042 - 053 - 058	01/08/2005 01:00 AM	01/08/2005 03:50 AM	Up to 0.25 inches 6.35 mm

Table 2.7-13 Ice Storm Events in Columbia County, Pennsylvania

(Page 2 of 2)

Location or County	Start Date and time	End Date and Time	Ice Thickness
PAZ004>006 - 010>012 - 017>019 - 024>025 - 033 - 037 - 041>042 - 053 - 057>059 - 065>066	01/22/2005 12:00 PM	01/23/2005 07:00 AM	Not listed
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056 - 058 - 063>064	12/16/2005 03:00 AM	12/16/2005 09:00 AM	0.25 inches or more 6.35 mm or more
PAZ046 - 053	02/13/2007 11:00 AM	02/14/2007 2100 PM	Not listed

Table 2.7-14 Snow Storm Events in Luzerne County, Pennsylvania

(Page 1 of 2)

Location or County	Date	Snow Amount
PAZ037>055 - 058 - 060>062	02/03/1995	5 to 8 inches 127 to 203 mm
LUZERNE	02/06/1995	< 1 inch < 25.4 mm
PAZ037>056 - 058 - 063 - 064	03/08/1995	5 inches 127 mm
PAZ038>040 - 043 - 044 - 047 - 048	11/14/1995	6 to 12 inches 152 to 305 mm
PAZ038>040 - 043>044 - 047>048	01/02/1996	8 to 12 inches 203 to 305 mm
PAZ038>040 - 043>044 - 047>048	01/07/1996	Up to 21 inches 533 mm
PAZ038>040 - 043>044 - 047>048	01/12/1996	8 to 12 inches 203 to 305 mm
PAZ038>040 - 043>044 - 047>048	03/06/1996	6 to 10 inches 152 to 254 mm
PAZ039>040 - 043>044 - 047>048	03/31/1997	12 to 30 inches 305 to 762 mm
PAZ038>040 - 043>044 - 047>048	12/29/1997	6 to 14 inches 152 to 356 mm
PAZ038>040 - 043>044 - 047>048	02/23/1998	4 to 12 inches 102 to 305 mm
PAZ038>040 - 043>044 - 047>048	01/02/1999	< 1 inch < 25.4 mm
PAZ038>040 - 043>044 - 047>048	01/13/1999	5 to 9 inches 127 to 229 mm
PAZ040 - 044 - 047>048	03/14/1999	7 to 10 inches 178 to 254 mm
PAZ038>040 - 043>044 - 047	03/21/1999	6 to 12 inches 152 to 305 mm
PAZ038>040 - 043>044 - 047>048	01/20/2000	2 to 5 inches 51 to 127 mm
PAZ038>040 - 043>044 - 047>048	01/25/2000	5 to 12 inches 127 to 305 mm
PAZ038>040 - 043>044 - 047>048	01/30/2000	10 to 18 inches 254 to 457 mm
PAZ038>040 - 043>044 - 047>048	02/18/2000	4 to 7 inches 102 to 178 mm
PAZ039>040 - 043>044 - 047>048	04/08/2000	4 to 8 inches 102 to 203 mm
PAZ040 - 043>044 - 047>048	12/13/2000	Up to 3 inches Up to 76 mm
PAZ039>040 - 044 - 047	12/19/2000	4 to 7 inches 102 to 178 mm
PAZ040 - 044 - 047>048	01/20/2001	4 to 7 inches 102 to 178 mm
PAZ039>040 - 043>044 - 047>048	02/05/2001	4 to 8 inches 102 to 203 mm
PAZ038>040 - 043>044 - 047>048	03/04/2001	6 to 20 inches 152 to 508 mm
PAZ038>040 - 043>044 - 047>048	01/06/2002	7 to 15 inches 178 to 381 mm

Table 2.7-14 Snow Storm Events in Luzerne County, Pennsylvania

(Page 2 of 2)

Location or County	Date	Snow Amount
PAZ038>040 - 043>044 - 047>0468	01/31/2002	2 inches 51 mm
PAZ038>040 - 043>044 - 047>048	02/01/2002	2 inches 51 mm
PAZ040 - 043>044 - 047>048	12/05/2002	6 to 10 inches 152 to 254 mm
PAZ038>040 - 043>044 - 047>048	12/11/2002	Up to 2 inches 51 mm
PAZ038>040 - 043>044 - 047>048	12/24/2002	9 to 14 inches 229 to 356 mm
PAZ038>040 - 043>044 - 047>048	01/03/2003	4 to 9 inches 102 to 229 mm
PAZ038>040 - 043>044 - 047>048	02/17/2003	10 to 20 inches 254 to 508 mm
PAZ038>040 - 043>044 - 047>048	12/06/2003	5 to 9 inches 127 to 229 mm
PAZ038>040 - 043>044 - 047 - 072	03/16/2004	5 to 9 inches 127 to 229 mm
PAZ038>040 - 043>044 - 047>048 - 072	01/06/2005	3 to 7 inches 76 to 178 mm
PAZ038>040 - 043>044 - 047>048 - 072	01/23/2005	6 to 12 inches 152 to 305 mm
PAZ038>040 - 043>044 - 047>048 - 072	03/01/2005	8 to 14 inches 203 to 356 mm
PAZ038>040 - 043>044 - 047>048 - 072	03/24/2005	6 to 8 inches 152 to 203 mm
PAZ038>040 - 043>044 - 047>048 - 072	10/25/2005	Up to 2 inches Up to 51 mm
PAZ039>040 - 043>044 - 047>048 - 072	12/09/2005	6 to 10 inches 152 to 254 mm
PAZ038>040 - 043>044 - 047>048 - 072	02/13/2007	12 to 24 inches 305 to 610 mm
PAZ039>040 - 043>044 - 047>048 - 072	03/16/2007	10 to 15 inches 254 to 381 mm
PAZ038>040 - 043>044 - 047	04/15/2007	Up to 2 inches Up to 51 mm

Table 2.7-15 Snow Storm Events in Columbia County, Pennsylvania

(Page 1 of 2)

Location or County	Date	Snow Amount
PAZ045 - 046 - 048>055 - 058 - 060>062	01/06/1995	Not listed
PAZ037>043 - 045 - 046 - 049>055 - 058 - 060>062	01/11/1995	< 1 inch < 25.4 mm
PAZ037>055 - 058 - 060>062	02/03/1995	5 to 8 inches 127 to 203 mm
PAZ037>056 - 058 - 063 - 064	03/08/1995	3 to 5 inches 76 to 127mm
PAZ42 - 053 - 065	11/11/1995	4 to 5 inches 102 to 127 mm
PAZ004 - 005 - 006 - 010 - 011 - 012 - 017>019 - 024>028 - 033>037 - 041 - 042 - 045 - 046 - 049>053 - 056 - 063	11/14/1995	Not listed for Columbia County
PAZ004 - 005 - 006 010 - 011 - 012 017>019 - 024>028 - 033>037 - 041 - 042 - 045 - 046 - 049>053 - 056 - 063	12/19/1995	17 inches 432 mm
PAZ004>006 - 010>011 - 018>019 - 037 - 041>042 - 045>046 - 049>050 - 052>053	01/02/1996	6 to 10 inches 152 to 254 mm
PAZ019 - 026>028 - 035>036 - 041>042 - 046 - 049>053 - 056>059 - 063>066	01/12/1996	Not listed for Columbia County
PAZ005>006 - 010>012 - 017>019 - 037 - 041>042 - 045>046 - 049>053	03/07/1996	6 inches 152 mm
PAZ017>019 - 024 - 026>028 - 036>037 - 041>042 - 045 - 049>053 - 056>059 - 063>066	02/13/1997	3 to 7 inches 76 to 178 mm
PAZ006 - 011>012 - 018>019 - 024 - 026>028 - 033 - 035>037 - 041>042 - 045>046 - 049>053 - 058	12/29/1997	8 to 14 inches 127 to 356 mm
PAZ006 - 011>012 - 017 - 019 - 024 - 028 - 033 - 037 - 041>042 - 049>050 - 053 - 058	02/23/1998	2 inches 51 mm
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	01/02/1999	1 to 4 inches 25.4 to 102 mm
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	01/08/1999	Not listed for Columbia County
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	01/14/1999	3 to 6 inches 76 to 152 mm
PAZ041>042 - 046 - 053	02/07/1999	6 inches 152 mm
PAZ018>019 - 024>028 - 033>036 - 049>053 - 056>059 - 063>066	03/14/1999	6 inches 152 mm
PAZ028 - 036 - 041>042 - 046 - 049>053 - 056>059 - 063>066	01/25/2000	Not listed for Columbia County
PAZ012 - 018>019 - 024>028 - 034>036 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	01/30/2000	10 to 12 inches 254 to 305 mm
PAZ005>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	02/18/2000	4 to 7 inches 102 to 178 mm
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	12/13/2000	1 to 2 inches 25.4 to 51 mm
PAZ024 - 033 - 036 - 042 - 051 - 053 - 058>059 - 064>066	01/20/2001	5 to 8 inches 127 to 203 mm
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>058 - 063>064	03/04/2001	12 to 15 inches 305 to 381 mm
PAZ005>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>065	01/06/2002	10 to 14 inches 254 to 356 mm
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	12/05/2002	5 to 8 inches 127 to 203 mm
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	12/25/2002	12 to 18 inches 305 to 457 mm

Table 2.7-15 Snow Storm Events in Columbia County, Pennsylvania

(Page 2 of 2)

Location or County	Date	Snow Amount
PAZ006 - 012 - 017>019 - 024>025 - 033 - 037 - 041>042 - 045>046 - 049 - 051 - 053	01/02/2003	6 to 8 inches 152 to 203 mm
PAZ012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	02/16/2003	4 to 10 inches 102 to 254 mm
PAZ017>019 - 024>028 - 033>036 - 053 - 056>059 - 063>066	12/05/2003	6 to 12 inches 152 to 305 mm
PAZ017 - 024 - 033 - 042 - 046 - 051>053	01/27/2004	5 to 8 inches 127 to 203 mm
PAZ004>006 - 010>012 - 017>019 - 027>028 - 037 - 041>042 - 045>046 - 049>053 - 058	03/16/2004	6 to 8 inches 152 to 203 mm
PAZ018>019 - 027>028 - 049>053 - 056>058 - 063	03/19/2004	5 to 8 inches 127 to 203 mm
PAZ004>006 - 010>012 - 017>019 - 024>028 - 034 - 037 - 041>042 - 045>046 - 049>053 - 058	01/05/2005	6 to 10 inches 152 to 254 mm
PAZ004>006 - 010>012 - 017>019 - 024>025 - 033 - 037 - 041>042 - 053 - 057>059 - 065>066	01/22/2005	5 to 7 inches 127 to 178 mm
PAZ010>012 - 017>019 - 024 - 028 - 033 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	03/01/2005	6 to 8 inches 152 to 203 mm
PAZ012 - 017>019 - 024>028 - 033>036 - 041>042 - 045>046 - 049>053 - 056>059 - 063>066	12/09/2005	6 to 10 inches 152 to 254 mm
PAZ004>006 - 010>012 - 017>019 - 024>028 - 033>037 - 041>042 - 045>046 - 049>053 - 056 - 058 - 063>064	12/16/2005	3 to 6 inches 76 to 152 mm
PAZ046 - 053	02/13/2007	10 to 11 inches 254 to 279 mm
PAZ017>019 - 027>028 - 049>053 - 056>059 - 063	03/16/2007	6 to 12 inches 152 to 305 mm

Table 2.7-16 Probable Maximum Winter Precipitation (PMWP) Values

duration hours	PMWP depth inches	
	Jan-Feb	Dec
6	8	10
24	13	15
72	16	19

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

(Page 1 of 46)

Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2001	1	1	31.2	-0.4	18.9	-7.3	25.3	-3.7
2001	1	2	22.4	-5.3	11.9	-11.2	18.4	-7.6
2001	1	3	27.4	-2.6	16.2	-8.8	21.1	-6.1
2001	1	4	31.6	-0.2	19.5	-6.9	26.1	-3.3
2001	1	5	28.2	-2.1	15.1	-9.4	23.1	-5.0
2001	1	6	33.2	0.7	27.2	-2.7	29.7	-1.3
2001	1	7	38.7	3.7	23.3	-4.8	29.8	-1.3
2001	1	8	33.7	0.9	25.3	-3.7	29.1	-1.6
2001	1	9	31.5	-0.3	21.3	-5.9	25.2	-3.8
2001	1	10	31.3	-0.4	21.0	-6.1	26.0	-3.3
2001	1	11	41.5	5.3	26.0	-3.3	32.2	0.1
2001	1	12	37.7	3.2	16.3	-8.7	25.9	-3.4
2001	1	13	39.0	3.9	16.8	-8.4	25.7	-3.5
2001	1	14	37.2	2.9	18.4	-7.6	27.3	-2.6
2001	1	15	37.8	3.2	32.3	0.2	35.0	1.7
2001	1	16	39.5	4.2	33.7	0.9	36.3	2.4
2001	1	17	35.5	1.9	33.4	0.8	34.7	1.5
2001	1	18	34.8	1.6	30.7	-0.7	32.6	0.3
2001	1	19	35.1	1.7	32.2	0.1	33.7	0.9
2001	1	20	33.4	0.8	26.0	-3.3	30.9	-0.6
2001	1	21	28.3	-2.1	19.0	-7.2	22.5	-5.3
2001	1	22	30.2	-1.0	5.3	-14.8	18.2	-7.7
2001	1	23	31.4	-0.3	4.9	-15.1	17.3	-8.1
2001	1	24	36.7	2.6	16.4	-8.7	25.0	-3.9
2001	1	25	33.2	0.7	23.3	-4.8	29.8	-1.2
2001	1	26	29.5	-1.4	13.4	-10.3	22.2	-5.5
2001	1	27	35.3	1.8	25.8	-3.4	30.0	-1.1
2001	1	28	31.2	-0.4	24.7	-4.1	28.4	-2.0
2001	1	29	33.5	0.8	10.7	-11.8	23.6	-4.7
2001	1	30	39.9	4.4	29.7	-1.3	34.6	1.4
2001	1	31	41.2	5.1	32.7	0.4	36.8	2.7
2001	2	1	41.3	5.2	35.6	2.0	37.8	3.2
2001	2	2	41.2	5.1	24.7	-4.1	34.5	1.4
2001	2	3	27.9	-2.3	20.9	-6.2	23.8	-4.6
2001	2	4	37.2	2.9	16.3	-8.7	27.6	-2.5
2001	2	5	32.8	0.4	30.2	-1.0	31.9	0.0
2001	2	6	39.7	4.3	32.6	0.3	35.4	1.9
2001	2	7	40.3	4.6	31.4	-0.3	36.8	2.6
2001	2	8	40.0	4.4	23.6	-4.7	31.9	0.0
2001	2	9	53.6	12.0	34.6	1.4	41.3	5.2
2001	2	10	58.2	14.6	25.5	-3.6	42.4	5.8
2001	2	11	27.4	-2.6	20.0	-6.7	23.0	-5.0
2001	2	12	32.9	0.5	13.2	-10.4	23.1	-4.9
2001	2	13	47.0	8.3	30.4	-0.9	36.4	2.5
2001	2	14	43.4	6.3	28.9	-1.7	38.3	3.5
2001	2	15	42.6	5.9	32.2	0.1	37.2	2.9
2001	2	16	35.7	2.1	29.2	-1.6	32.7	0.4
2001	2	17	35.7	2.1	19.7	-6.8	29.3	-1.5

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

(Page 2 of 46)

Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2001	2	18	30.0	-1.1	16.0	-8.9	22.1	-5.5
2001	2	19	40.5	4.7	13.7	-10.2	28.6	-1.9
2001	2	20	52.9	11.6	30.5	-0.8	41.5	5.3
2001	2	21	46.3	7.9	20.2	-6.6	34.0	1.1
2001	2	22	19.7	-6.8	11.9	-11.2	16.3	-8.7
2001	2	23	36.0	2.2	17.1	-8.3	25.2	-3.8
2001	2	24	32.2	0.1	19.7	-6.8	26.9	-2.9
2001	2	25	47.7	8.7	30.3	-0.9	37.8	3.2
2001	2	26	47.1	8.4	34.6	1.4	40.5	4.7
2001	2	27	44.3	6.8	24.5	-4.2	34.9	1.6
2001	2	28	34.4	1.3	22.7	-5.2	29.1	-1.6
2001	3	1	34.5	1.4	19.2	-7.1	27.3	-2.6
2001	3	2	38.1	3.4	28.8	-1.8	32.8	0.5
2001	3	3	43.3	6.3	34.7	1.5	38.2	3.4
2001	3	4	33.7	0.9	29.6	-1.3	32.3	0.1
2001	3	5	30.8	-0.7	24.7	-4.1	27.7	-2.4
2001	3	6	33.5	0.8	18.6	-7.4	26.2	-3.2
2001	3	7	41.8	5.4	31.7	-0.2	35.9	2.2
2001	3	8	40.8	4.9	27.8	-2.3	34.0	1.1
2001	3	9	36.3	2.4	30.8	-0.7	33.6	0.9
2001	3	10	39.1	3.9	28.1	-2.2	32.7	0.4
2001	3	11	42.4	5.8	22.3	-5.4	33.2	0.7
2001	3	12	46.4	8.0	25.0	-3.9	36.0	2.2
2001	3	13	43.6	6.4	33.4	0.8	38.0	3.3
2001	3	14	44.4	6.9	32.7	0.4	40.1	4.5
2001	3	15	46.8	8.2	26.6	-3.0	36.4	2.4
2001	3	16	46.3	7.9	30.3	-0.9	38.7	3.7
2001	3	17	40.8	4.9	34.3	1.3	39.3	4.1
2001	3	18	41.1	5.1	31.2	-0.4	35.2	1.8
2001	3	19	47.4	8.6	29.8	-1.2	39.0	3.9
2001	3	20	51.6	10.9	25.8	-3.4	39.4	4.1
2001	3	21	44.1	6.7	37.2	2.9	40.6	4.8
2001	3	22	41.4	5.2	36.5	2.5	38.6	3.7
2001	3	23	52.3	11.3	35.2	1.8	44.4	6.9
2001	3	24	47.5	8.6	30.3	-0.9	39.5	4.2
2001	3	25	36.6	2.6	26.2	-3.2	30.4	-0.9
2001	3	26	30.4	-0.9	25.2	-3.8	27.5	-2.5
2001	3	27	35.4	1.9	19.0	-7.2	27.4	-2.6
2001	3	28	43.9	6.6	21.4	-5.9	32.2	0.1
2001	3	29	42.6	5.9	28.4	-2.0	36.0	2.2
2001	3	30	42.2	5.7	36.6	2.6	39.4	4.1
2001	3	31	41.7	5.4	33.7	0.9	38.2	3.4
2001	4	1	42.7	5.9	35.2	1.8	38.4	3.6
2001	4	2	43.3	6.3	35.5	1.9	39.4	4.1
2001	4	3	49.1	9.5	26.6	-3.0	37.3	2.9
2001	4	4	53.8	12.1	29.0	-1.7	40.6	4.8
2001	4	5	59.6	15.3	27.6	-2.4	43.6	6.5
2001	4	6	48.2	9.0	38.7	3.7	43.9	6.6

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

(Page 3 of 46)

Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2001	4	7	53.3	11.8	44.0	6.7	48.8	9.3
2001	4	8	56.9	13.8	40.0	4.4	46.7	8.2
2001	4	9	80.9	27.2	39.9	4.4	55.5	13.0
2001	4	10	60.7	15.9	44.9	7.2	52.4	11.4
2001	4	11	54.8	12.7	48.4	9.1	50.5	10.3
2001	4	12	65.2	18.4	49.2	9.6	55.3	13.0
2001	4	13	68.9	20.5	51.4	10.8	58.6	14.8
2001	4	14	65.1	18.4	42.7	5.9	54.0	12.2
2001	4	15	62.6	17.0	37.3	2.9	52.1	11.2
2001	4	16	48.7	9.3	42.0	5.6	46.0	7.8
2001	4	17	42.9	6.1	35.7	2.1	39.0	3.9
2001	4	18	42.1	5.6	33.5	0.8	38.1	3.4
2001	4	19	52.9	11.6	28.0	-2.2	39.6	4.2
2001	4	20	61.2	16.2	32.1	0.1	46.4	8.0
2001	4	21	66.4	19.1	47.3	8.5	56.0	13.3
2001	4	22	79.6	26.4	51.2	10.7	66.0	18.9
2001	4	23	86.7	30.4	55.0	12.8	72.2	22.3
2001	4	24	77.8	25.4	48.1	8.9	64.8	18.2
2001	4	25	54.6	12.6	39.8	4.3	46.3	7.9
2001	4	26	64.3	17.9	32.3	0.2	49.0	9.4
2001	4	27	70.0	21.1	35.2	1.8	53.1	11.7
2001	4	28	56.7	13.7	43.8	6.6	50.3	10.2
2001	4	29	63.8	17.7	30.1	-1.1	48.0	8.9
2001	4	30	75.8	24.3	34.1	1.2	56.4	13.5
2001	5	1	84.6	29.2	45.2	7.3	65.8	18.8
2001	5	2	88.2	31.2	49.8	9.9	69.4	20.8
2001	5	3	88.6	31.4	53.0	11.7	72.0	22.2
2001	5	4	88.8	31.6	56.6	13.7	73.9	23.3
2001	5	5	68.8	20.4	51.9	11.1	61.7	16.5
2001	5	6	67.8	19.9	41.6	5.3	55.4	13.0
2001	5	7	68.5	20.3	38.6	3.7	55.6	13.1
2001	5	8	69.4	20.8	42.3	5.7	57.6	14.2
2001	5	9	74.2	23.4	53.6	12.0	62.3	16.8
2001	5	10	79.9	26.6	48.3	9.1	64.0	17.8
2001	5	11	83.0	28.3	48.1	8.9	67.4	19.7
2001	5	12	71.2	21.8	54.4	12.4	63.0	17.2
2001	5	13	61.9	16.6	46.9	8.3	54.4	12.4
2001	5	14	62.3	16.8	35.9	2.2	49.8	9.9
2001	5	15	68.4	20.2	36.9	2.7	53.5	11.9
2001	5	16	70.0	21.1	38.6	3.7	56.0	13.3
2001	5	17	56.3	13.5	50.8	10.4	53.3	11.8
2001	5	18	62.4	16.9	53.3	11.8	57.6	14.2
2001	5	19	76.9	24.9	58.3	14.6	66.2	19.0
2001	5	20	64.5	18.1	50.1	10.1	58.0	14.4
2001	5	21	58.2	14.6	51.4	10.8	54.4	12.5
2001	5	22	68.7	20.4	58.2	14.6	61.7	16.5
2001	5	23	68.0	20.0	53.2	11.8	59.8	15.5
2001	5	24	74.9	23.8	52.4	11.3	62.9	17.2

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	25	66.3	19.1	57.5	14.2	61.0	16.1
2001	5	26	62.8	17.1	57.4	14.1	59.3	15.2
2001	5	27	67.9	19.9	55.2	12.9	60.1	15.6
2001	5	28	64.6	18.1	53.5	11.9	58.7	14.8
2001	5	29	68.1	20.1	49.6	9.8	58.1	14.5
2001	5	30	62.8	17.1	45.6	7.6	54.8	12.7
2001	5	31	67.3	19.6	39.8	4.3	54.3	12.4
2001	6	1	63.6	17.6	40.7	4.8	52.2	11.2
2001	6	2	69.3	20.7	53.0	11.7	60.1	15.6
2001	6	3	63.8	17.7	55.7	13.2	59.5	15.3
2001	6	4	69.0	20.6	53.7	12.1	61.3	16.3
2001	6	5	74.1	23.4	49.3	9.6	62.4	16.9
2001	6	6	71.3	21.8	58.3	14.6	63.9	17.7
2001	6	7	73.3	22.9	54.6	12.6	64.0	17.8
2001	6	8	76.4	24.7	47.1	8.4	62.7	17.1
2001	6	9	76.4	24.7	45.7	7.6	61.8	16.6
2001	6	10	77.5	25.3	46.6	8.1	62.5	16.9
2001	6	11	81.0	27.2	58.7	14.8	68.8	20.4
2001	6	12	83.6	28.7	58.6	14.8	69.4	20.8
2001	6	13	85.2	29.6	65.7	18.7	74.0	23.3
2001	6	14	89.2	31.8	65.6	18.7	76.8	24.9
2001	6	15	84.9	29.4	66.8	19.3	75.4	24.1
2001	6	16	79.5	26.4	66.6	19.2	72.4	22.4
2001	6	17	82.4	28.0	63.0	17.2	71.8	22.1
2001	6	18	82.5	28.1	57.3	14.1	70.2	21.2
2001	6	19	87.7	30.9	59.1	15.1	74.4	23.5
2001	6	20	88.3	31.3	62.4	16.9	71.7	22.0
2001	6	21	78.4	25.8	66.2	19.0	71.4	21.9
2001	6	22	77.0	25.0	68.2	20.1	71.0	21.7
2001	6	23	72.1	22.3	58.3	14.6	66.9	19.4
2001	6	24	75.6	24.2	56.3	13.5	65.1	18.4
2001	6	25	80.4	26.9	54.8	12.7	67.7	19.8
2001	6	26	85.3	29.6	58.0	14.4	71.1	21.7
2001	6	27	88.0	31.1	60.0	15.6	74.3	23.5
2001	6	28	88.2	31.2	63.1	17.3	75.8	24.3
2001	6	29	87.6	30.9	65.1	18.4	76.6	24.8
2001	6	30	86.0	30.0	66.2	19.0	76.2	24.6
2001	7	1	81.2	27.3	58.5	14.7	69.7	21.0
2001	7	2	68.5	20.3	52.1	11.2	59.3	15.2
2001	7	3	74.5	23.6	46.4	8.0	62.8	17.1
2001	7	4	79.4	26.3	63.6	17.6	70.1	21.1
2001	7	5	80.8	27.1	60.7	15.9	69.0	20.6
2001	7	6	69.9	21.1	51.2	10.7	61.5	16.4
2001	7	7	78.9	26.1	49.9	9.9	65.9	18.8
2001	7	8	77.1	25.1	64.1	17.8	69.4	20.8
2001	7	9	86.6	30.3	64.0	17.8	73.7	23.2
2001	7	10	82.3	27.9	61.4	16.3	70.4	21.3
2001	7	11	75.0	23.9	61.1	16.2	67.9	19.9

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	7	12	73.1	22.8	55.4	13.0	64.5	18.0
2001	7	13	71.6	22.0	50.0	10.0	61.6	16.4
2001	7	14	74.1	23.4	54.5	12.5	64.9	18.3
2001	7	15	75.7	24.3	53.6	12.0	65.2	18.5
2001	7	16	79.5	26.4	57.6	14.2	68.9	20.5
2001	7	17	83.3	28.5	64.6	18.1	70.9	21.6
2001	7	18	79.8	26.6	63.7	17.6	70.1	21.2
2001	7	19	79.8	26.6	62.2	16.8	71.0	21.7
2001	7	20	81.4	27.4	58.8	14.9	70.0	21.1
2001	7	21	83.3	28.5	52.9	11.6	68.0	20.0
2001	7	22	83.7	28.7	55.6	13.1	70.5	21.4
2001	7	23	88.7	31.5	59.9	15.5	75.4	24.1
2001	7	24	92.3	33.5	67.1	19.5	80.9	27.1
2001	7	25	91.1	32.8	68.8	20.4	78.1	25.6
2001	7	26	74.0	23.3	60.8	16.0	69.1	20.6
2001	7	27	73.9	23.3	50.8	10.4	63.1	17.3
2001	7	28	77.7	25.4	51.6	10.9	65.8	18.8
2001	7	29	73.7	23.2	62.5	16.9	67.7	19.8
2001	7	30	75.9	24.4	64.1	17.8	68.6	20.3
2001	7	31	83.7	28.7	61.5	16.4	70.1	21.1
2001	8	1	88.0	31.1	58.0	14.4	72.2	22.3
2001	8	2	88.6	31.4	60.1	15.6	75.2	24.0
2001	8	3	85.5	29.7	67.0	19.4	75.7	24.3
2001	8	4	84.2	29.0	67.9	19.9	74.1	23.4
2001	8	5	88.5	31.4	64.8	18.2	75.2	24.0
2001	8	6	92.2	33.4	66.4	19.1	79.1	26.1
2001	8	7	96.0	35.6	69.5	20.8	82.3	27.9
2001	8	8	94.4	34.7	71.6	22.0	82.0	27.8
2001	8	9	96.8	36.0	65.8	18.8	82.1	27.8
2001	8	10	83.1	28.4	72.7	22.6	77.5	25.3
2001	8	11	73.4	23.0	68.1	20.1	70.2	21.2
2001	8	12	79.0	26.1	68.0	20.0	72.7	22.6
2001	8	13	81.5	27.5	66.8	19.3	73.6	23.1
2001	8	14	81.8	27.7	63.5	17.5	71.3	21.8
2001	8	15	82.6	28.1	58.9	14.9	71.4	21.9
2001	8	16	83.1	28.4	61.6	16.4	72.6	22.5
2001	8	17	82.6	28.1	64.9	18.3	73.9	23.3
2001	8	18	80.4	26.9	57.7	14.3	69.3	20.7
2001	8	19	84.3	29.1	60.0	15.6	71.7	22.1
2001	8	20	80.3	26.8	66.7	19.3	72.6	22.5
2001	8	21	78.2	25.7	58.6	14.8	67.8	19.9
2001	8	22	80.6	27.0	55.8	13.2	68.3	20.2
2001	8	23	67.5	19.7	59.8	15.4	63.7	17.6
2001	8	24	80.0	26.7	60.5	15.8	68.3	20.1
2001	8	25	81.1	27.3	53.5	11.9	67.2	19.5
2001	8	26	80.8	27.1	59.9	15.5	71.7	22.1
2001	8	27	76.5	24.7	66.4	19.1	71.0	21.7
2001	8	28	84.1	28.9	62.5	16.9	68.1	20.1

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	8	29	78.7	25.9	60.2	15.7	67.6	19.8
2001	8	30	78.3	25.7	56.8	13.8	67.9	19.9
2001	8	31	84.1	28.9	68.5	20.3	74.3	23.5
2001	9	1	69.2	20.7	53.8	12.1	65.4	18.6
2001	9	2	72.0	22.2	46.3	7.9	57.8	14.3
2001	9	3	77.5	25.3	48.8	9.3	63.6	17.6
2001	9	4	77.1	25.1	62.6	17.0	67.8	19.9
2001	9	5	71.4	21.9	52.5	11.4	61.7	16.5
2001	9	6	76.5	24.7	46.9	8.3	59.4	15.2
2001	9	7	83.1	28.4	48.9	9.4	66.1	18.9
2001	9	8	83.0	28.3	57.5	14.2	70.7	21.5
2001	9	9	81.8	27.7	58.9	14.9	71.2	21.8
2001	9	10	77.0	25.0	59.4	15.2	70.0	21.1
2001	9	11	75.1	23.9	56.0	13.3	63.8	17.7
2001	9	12	76.5	24.7	50.0	10.0	61.2	16.2
2001	9	13	80.8	27.1	50.1	10.1	63.7	17.6
2001	9	14	61.3	16.3	47.6	8.7	55.7	13.2
2001	9	15	65.0	18.3	40.9	4.9	51.7	10.9
2001	9	16	69.7	20.9	42.1	5.6	54.1	12.3
2001	9	17	73.5	23.1	45.7	7.6	57.0	13.9
2001	9	18	74.5	23.6	49.0	9.4	60.1	15.6
2001	9	19	75.9	24.4	53.5	11.9	64.8	18.2
2001	9	20	69.1	20.6	63.5	17.5	65.4	18.6
2001	9	21	76.8	24.9	57.7	14.3	66.3	19.1
2001	9	22	74.1	23.4	55.8	13.2	63.9	17.7
2001	9	23	75.9	24.4	51.3	10.7	61.3	16.3
2001	9	24	70.6	21.4	54.4	12.4	63.1	17.3
2001	9	25	61.1	16.2	46.0	7.8	56.4	13.5
2001	9	26	58.5	14.7	41.1	5.1	50.0	10.0
2001	9	27	56.2	13.4	47.0	8.3	51.3	10.7
2001	9	28	56.5	13.6	45.4	7.4	49.9	9.9
2001	9	29	62.2	16.8	46.7	8.2	53.2	11.8
2001	9	30	59.0	15.0	39.7	4.3	48.9	9.4
2001	10	1	70.0	21.1	43.1	6.2	52.8	11.6
2001	10	2	73.7	23.2	44.2	6.8	57.3	14.1
2001	10	3	78.5	25.8	48.9	9.4	62.5	17.0
2001	10	4	78.3	25.7	50.3	10.2	63.4	17.4
2001	10	5	76.4	24.7	48.5	9.2	62.9	17.2
2001	10	6	67.6	19.8	47.2	8.4	57.5	14.2
2001	10	7	48.4	9.1	38.4	3.6	44.3	6.8
2001	10	8	50.4	10.2	32.7	0.4	41.2	5.1
2001	10	9	59.9	15.5	28.9	-1.7	43.6	6.4
2001	10	10	68.5	20.3	34.9	1.6	50.4	10.2
2001	10	11	74.0	23.3	40.9	4.9	55.9	13.3
2001	10	12	73.7	23.2	47.2	8.4	60.4	15.8
2001	10	13	76.2	24.6	53.5	11.9	66.7	19.3
2001	10	14	67.6	19.8	60.8	16.0	64.0	17.8
2001	10	15	63.0	17.2	43.0	6.1	54.2	12.3

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	10	16	65.5	18.6	39.2	4.0	50.3	10.2
2001	10	17	50.2	10.1	43.2	6.2	47.1	8.4
2001	10	18	55.1	12.8	33.1	0.6	43.0	6.1
2001	10	19	62.8	17.1	32.4	0.2	47.6	8.7
2001	10	20	65.4	18.6	41.8	5.4	51.5	10.8
2001	10	21	75.2	24.0	38.8	3.8	56.0	13.4
2001	10	22	62.0	16.7	50.1	10.1	54.1	12.3
2001	10	23	68.9	20.5	49.8	9.9	60.0	15.5
2001	10	24	76.6	24.8	56.6	13.7	65.6	18.7
2001	10	25	69.8	21.0	53.2	11.8	63.1	17.3
2001	10	26	53.3	11.8	39.4	4.1	46.1	7.9
2001	10	27	44.5	6.9	38.8	3.8	41.0	5.0
2001	10	28	46.6	8.1	30.6	-0.8	39.8	4.3
2001	10	29	54.7	12.6	25.6	-3.6	40.3	4.6
2001	10	30	54.8	12.7	39.3	4.1	47.5	8.6
2001	10	31	52.3	11.3	39.4	4.1	46.9	8.3
2001	11	1	63.5	17.5	37.8	3.2	52.3	11.3
2001	11	2	72.7	22.6	47.5	8.6	61.3	16.3
2001	11	3	64.3	17.9	46.0	7.8	58.8	14.9
2001	11	4	59.7	15.4	36.5	2.5	48.3	9.0
2001	11	5	48.1	8.9	41.3	5.2	43.0	6.1
2001	11	6	51.4	10.8	39.6	4.2	44.1	6.7
2001	11	7	62.3	16.8	39.1	3.9	50.5	10.3
2001	11	8	65.2	18.4	35.2	1.8	49.0	9.4
2001	11	9	60.9	16.1	34.3	1.3	46.3	7.9
2001	11	10	58.9	14.9	31.6	-0.2	42.4	5.8
2001	11	11	51.0	10.6	28.8	-1.8	41.3	5.2
2001	11	12	45.7	7.6	24.0	-4.4	34.0	1.1
2001	11	13	52.7	11.5	24.0	-4.4	36.2	2.3
2001	11	14	58.4	14.7	27.2	-2.7	40.4	4.7
2001	11	15	62.0	16.7	41.8	5.4	51.1	10.6
2001	11	16	66.7	19.3	41.9	5.5	53.4	11.9
2001	11	17	54.3	12.4	34.5	1.4	43.7	6.5
2001	11	18	54.2	12.3	29.6	-1.3	40.4	4.7
2001	11	19	59.3	15.2	32.5	0.3	44.4	6.9
2001	11	20	56.4	13.6	33.6	0.9	41.6	5.3
2001	11	21	44.1	6.7	29.5	-1.4	36.2	2.3
2001	11	22	51.3	10.7	27.7	-2.4	37.3	2.9
2001	11	23	57.1	13.9	29.4	-1.4	42.8	6.0
2001	11	24	60.7	15.9	46.5	8.1	54.7	12.6
2001	11	25	63.6	17.6	45.3	7.4	57.4	14.1
2001	11	26	53.7	12.1	42.4	5.8	47.1	8.4
2001	11	27	52.5	11.4	36.3	2.4	44.5	6.9
2001	11	28	57.8	14.3	48.7	9.3	51.9	11.1
2001	11	29	54.0	12.2	50.0	10.0	52.1	11.1
2001	11	30	65.4	18.6	52.2	11.2	60.7	15.9
2001	12	1	60.8	16.0	43.3	6.3	52.3	11.3
2001	12	2	50.2	10.1	34.2	1.2	40.9	5.0

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	12	3	54.9	12.7	29.8	-1.2	38.8	3.8
2001	12	4	59.6	15.3	30.9	-0.6	44.6	7.0
2001	12	5	67.4	19.7	48.0	8.9	56.1	13.4
2001	12	6	62.0	16.7	42.7	5.9	52.3	11.3
2001	12	7	56.0	13.3	36.7	2.6	49.3	9.6
2001	12	8	38.2	3.4	29.7	-1.3	34.0	1.1
2001	12	9	41.1	5.1	29.8	-1.2	36.5	2.5
2001	12	10	45.1	7.3	25.0	-3.9	34.1	1.2
2001	12	11	49.3	9.6	30.8	-0.7	39.6	4.2
2001	12	12	44.6	7.0	27.0	-2.8	36.7	2.6
2001	12	13	51.4	10.8	44.0	6.7	48.2	9.0
2001	12	14	56.9	13.8	45.3	7.4	50.4	10.2
2001	12	15	53.4	11.9	32.8	0.4	39.9	4.4
2001	12	16	38.3	3.5	25.3	-3.7	32.6	0.4
2001	12	17	42.8	6.0	35.2	1.8	39.4	4.1
2001	12	18	44.5	6.9	39.1	3.9	42.6	5.9
2001	12	19	47.9	8.8	39.0	3.9	42.1	5.6
2001	12	20	40.2	4.6	32.7	0.4	36.4	2.5
2001	12	21	37.6	3.1	32.2	0.1	35.5	1.9
2001	12	22	37.9	3.3	27.3	-2.6	31.5	-0.3
2001	12	23	44.5	6.9	23.5	-4.7	34.8	1.5
2001	12	24	40.9	4.9	30.0	-1.1	35.2	1.8
2001	12	25	31.3	-0.4	23.3	-4.8	27.6	-2.4
2001	12	26	29.9	-1.2	18.4	-7.6	23.9	-4.5
2001	12	27	26.4	-3.1	15.1	-9.4	21.7	-5.7
2001	12	28	34.8	1.6	22.8	-5.1	28.3	-2.1
2001	12	29	31.1	-0.5	20.7	-6.3	25.3	-3.7
2001	12	30	25.4	-3.7	17.7	-7.9	21.4	-5.9
2001	12	31	25.7	-3.5	14.9	-9.5	19.7	-6.9
2002	1	1	30.6	-0.8	13.9	-10.1	21.8	-5.7
2002	1	2	31.5	-0.3	12.0	-11.1	22.8	-5.1
2002	1	3	35.0	1.7	10.3	-12.1	22.7	-5.2
2002	1	4	32.9	0.5	22.0	-5.6	27.9	-2.3
2002	1	5	37.5	3.1	29.3	-1.5	32.4	0.2
2002	1	6	38.3	3.5	23.4	-4.8	30.3	-0.9
2002	1	7	33.7	0.9	23.3	-4.8	30.9	-0.6
2002	1	8	29.4	-1.4	12.5	-10.8	22.9	-5.1
2002	1	9	42.4	5.8	22.8	-5.1	31.9	0.0
2002	1	10	51.0	10.6	32.8	0.4	40.2	4.5
2002	1	11	41.8	5.4	31.2	-0.4	36.2	2.3
2002	1	12	41.7	5.4	32.8	0.4	37.1	2.8
2002	1	13	39.2	4.0	32.5	0.3	36.4	2.5
2002	1	14	43.2	6.2	28.9	-1.7	36.7	2.6
2002	1	15	42.3	5.7	33.0	0.6	37.9	3.3
2002	1	16	36.8	2.7	31.4	-0.3	34.8	1.5
2002	1	17	42.8	6.0	31.6	-0.2	36.3	2.4
2002	1	18	32.8	0.4	26.2	-3.2	29.8	-1.2
2002	1	19	26.9	-2.8	20.3	-6.5	24.0	-4.4

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	1	20	32.9	0.5	20.5	-6.4	26.6	-3.0
2002	1	21	38.2	3.4	22.7	-5.2	31.7	-0.2
2002	1	22	43.5	6.4	27.7	-2.4	37.0	2.8
2002	1	23	45.8	7.7	27.5	-2.5	41.0	5.0
2002	1	24	44.6	7.0	38.1	3.4	40.4	4.7
2002	1	25	43.5	6.4	32.9	0.5	37.8	3.2
2002	1	26	51.8	11.0	28.8	-1.8	38.5	3.6
2002	1	27	58.4	14.7	25.5	-3.6	39.0	3.9
2002	1	28	58.3	14.6	27.4	-2.6	40.1	4.5
2002	1	29	65.1	18.4	34.2	1.2	47.1	8.4
2002	1	30	53.2	11.8	37.1	2.8	47.6	8.6
2002	1	31	39.2	4.0	33.3	0.7	36.5	2.5
2002	2	1	53.5	11.9	37.0	2.8	42.6	5.9
2002	2	2	35.0	1.7	24.9	-3.9	30.0	-1.1
2002	2	3	40.5	4.7	20.0	-6.7	30.6	-0.8
2002	2	4	33.3	0.7	17.8	-7.9	28.0	-2.2
2002	2	5	32.6	0.3	14.3	-9.8	22.5	-5.3
2002	2	6	38.7	3.7	26.9	-2.8	32.5	0.3
2002	2	7	41.5	5.3	28.6	-1.9	33.3	0.7
2002	2	8	50.2	10.1	27.5	-2.5	39.4	4.1
2002	2	9	50.2	10.1	31.3	-0.4	40.6	4.8
2002	2	10	50.8	10.4	37.8	3.2	43.7	6.5
2002	2	11	43.3	6.3	20.2	-6.6	31.2	-0.4
2002	2	12	44.9	7.2	18.5	-7.5	33.4	0.8
2002	2	13	40.1	4.5	21.7	-5.7	30.7	-0.7
2002	2	14	39.6	4.2	12.5	-10.8	26.0	-3.3
2002	2	15	48.1	8.9	24.0	-4.4	37.6	3.1
2002	2	16	46.7	8.2	35.1	1.7	41.9	5.5
2002	2	17	40.1	4.5	28.3	-2.1	35.3	1.8
2002	2	18	41.5	5.3	24.7	-4.1	31.3	-0.4
2002	2	19	50.2	10.1	18.8	-7.3	34.5	1.4
2002	2	20	57.2	14.0	35.7	2.1	47.2	8.4
2002	2	21	54.9	12.7	44.5	6.9	49.1	9.5
2002	2	22	43.5	6.4	36.7	2.6	39.4	4.1
2002	2	23	42.3	5.7	29.1	-1.6	35.0	1.7
2002	2	24	49.7	9.8	22.2	-5.4	34.3	1.3
2002	2	25	56.0	13.3	29.0	-1.7	42.2	5.6
2002	2	26	57.3	14.1	30.2	-1.0	43.7	6.5
2002	2	27	38.1	3.4	26.0	-3.3	31.1	-0.5
2002	2	28	35.6	2.0	23.8	-4.6	28.7	-1.8
2002	3	1	43.1	6.2	18.7	-7.4	30.6	-0.8
2002	3	2	46.1	7.8	24.4	-4.2	36.1	2.3
2002	3	3	57.8	14.3	33.1	0.6	49.1	9.5
2002	3	4	31.9	-0.1	17.8	-7.9	25.3	-3.7
2002	3	5	31.4	-0.3	12.8	-10.7	21.9	-5.6
2002	3	6	59.9	15.5	21.1	-6.1	40.3	4.6
2002	3	7	58.3	14.6	29.2	-1.6	44.1	6.7
2002	3	8	66.5	19.2	33.1	0.6	50.3	10.2

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

(Page 10 of 46)

Year	Month	Day	Max T (°F)	Max T (°C)	Min T (°F)	Min T (°C)	Aver T (°F)	Aver T (°C)
2002	3	9	62.6	17.0	51.9	11.1	57.4	14.1
2002	3	10	57.6	14.2	26.6	-3.0	34.8	1.5
2002	3	11	37.1	2.8	23.1	-4.9	29.2	-1.6
2002	3	12	45.9	7.7	28.1	-2.2	38.7	3.7
2002	3	13	45.6	7.6	37.2	2.9	42.5	5.9
2002	3	14	61.2	16.2	42.5	5.8	50.8	10.5
2002	3	15	66.4	19.1	50.9	10.5	59.3	15.2
2002	3	16	61.0	16.1	31.5	-0.3	46.3	7.9
2002	3	17	37.6	3.1	27.0	-2.8	32.0	0.0
2002	3	18	37.4	3.0	32.5	0.3	36.1	2.3
2002	3	19	41.5	5.3	37.2	2.9	38.8	3.8
2002	3	20	42.6	5.9	36.1	2.3	38.7	3.7
2002	3	21	53.0	11.7	27.5	-2.5	40.7	4.8
2002	3	22	27.3	-2.6	18.6	-7.4	23.0	-5.0
2002	3	23	46.7	8.2	21.0	-6.1	33.7	0.9
2002	3	24	51.7	10.9	27.1	-2.7	40.7	4.8
2002	3	25	39.3	4.1	32.6	0.3	34.6	1.5
2002	3	26	42.8	6.0	34.5	1.4	37.3	2.9
2002	3	27	41.2	5.1	36.8	2.7	39.7	4.3
2002	3	28	49.5	9.7	27.9	-2.3	38.6	3.7
2002	3	29	62.2	16.8	31.6	-0.2	47.8	8.8
2002	3	30	61.0	16.1	49.7	9.8	56.3	13.5
2002	3	31	59.6	15.3	45.3	7.4	51.1	10.6
2002	4	1	50.1	10.1	42.0	5.6	46.7	8.2
2002	4	2	61.0	16.1	31.4	-0.3	46.6	8.1
2002	4	3	60.6	15.9	38.1	3.4	51.3	10.7
2002	4	4	44.5	6.9	32.3	0.2	37.9	3.3
2002	4	5	37.6	3.1	23.9	-4.5	31.7	-0.2
2002	4	6	39.1	3.9	28.8	-1.8	33.6	0.9
2002	4	7	48.8	9.3	21.5	-5.8	36.2	2.3
2002	4	8	60.0	15.6	42.2	5.7	50.0	10.0
2002	4	9	67.1	19.5	57.6	14.2	61.5	16.4
2002	4	10	60.3	15.7	44.3	6.8	51.6	10.9
2002	4	11	64.4	18.0	35.6	2.0	51.3	10.7
2002	4	12	58.5	14.7	40.1	4.5	50.4	10.2
2002	4	13	64.2	17.9	57.2	14.0	60.7	16.0
2002	4	14	72.3	22.4	52.2	11.2	61.8	16.6
2002	4	15	75.3	24.1	59.2	15.1	66.5	19.1
2002	4	16	87.3	30.7	56.6	13.7	72.2	22.3
2002	4	17	90.3	32.4	57.1	13.9	74.8	23.8
2002	4	18	86.8	30.4	61.8	16.6	74.4	23.5
2002	4	19	85.4	29.7	59.0	15.0	69.6	20.9
2002	4	20	61.7	16.5	50.2	10.1	56.8	13.8
2002	4	21	47.2	8.4	41.4	5.2	43.3	6.3
2002	4	22	50.0	10.0	38.5	3.6	43.5	6.4
2002	4	23	51.6	10.9	36.7	2.6	43.4	6.3
2002	4	24	59.5	15.3	29.8	-1.2	46.1	7.9
2002	4	25	51.4	10.8	37.4	3.0	46.5	8.1

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	4	26	57.3	14.1	32.1	0.1	45.5	7.5
2002	4	27	58.5	14.7	30.7	-0.7	46.5	8.0
2002	4	28	64.2	17.9	47.0	8.3	53.6	12.0
2002	4	29	57.2	14.0	41.3	5.2	46.3	7.9
2002	4	30	55.0	12.8	38.0	3.3	46.4	8.0
2002	5	1	62.3	16.8	33.9	1.1	48.8	9.3
2002	5	2	71.4	21.9	48.4	9.1	59.1	15.0
2002	5	3	58.4	14.7	45.2	7.3	50.8	10.4
2002	5	4	63.5	17.5	31.4	-0.3	49.3	9.6
2002	5	5	70.0	21.1	39.7	4.3	56.1	13.4
2002	5	6	74.0	23.3	42.8	6.0	59.8	15.5
2002	5	7	75.6	24.2	58.3	14.6	66.3	19.1
2002	5	8	70.2	21.2	53.4	11.9	62.4	16.9
2002	5	9	58.4	14.7	42.8	6.0	51.4	10.8
2002	5	10	68.9	20.5	53.8	12.1	60.5	15.8
2002	5	11	66.1	18.9	44.1	6.7	56.8	13.8
2002	5	12	56.7	13.7	51.3	10.7	54.7	12.6
2002	5	13	62.2	16.8	51.1	10.6	57.7	14.3
2002	5	14	54.7	12.6	45.2	7.3	48.4	9.1
2002	5	15	66.2	19.0	42.0	5.6	53.6	12.0
2002	5	16	76.1	24.5	39.7	4.3	60.1	15.6
2002	5	17	67.0	19.4	47.9	8.8	59.9	15.5
2002	5	18	49.5	9.7	38.4	3.6	44.5	6.9
2002	5	19	52.6	11.4	36.1	2.3	44.4	6.9
2002	5	20	49.2	9.6	36.7	2.6	42.7	5.9
2002	5	21	52.5	11.4	30.9	-0.6	43.1	6.1
2002	5	22	62.8	17.1	32.2	0.1	48.3	9.1
2002	5	23	74.2	23.4	36.8	2.7	56.5	13.6
2002	5	24	79.1	26.2	45.9	7.7	64.4	18.0
2002	5	25	68.5	20.3	48.3	9.1	60.0	15.6
2002	5	26	75.4	24.1	56.2	13.4	64.8	18.2
2002	5	27	77.7	25.4	55.0	12.8	67.7	19.8
2002	5	28	77.0	25.0	60.4	15.8	66.2	19.0
2002	5	29	76.3	24.6	59.5	15.3	66.5	19.1
2002	5	30	81.1	27.3	61.4	16.3	70.8	21.6
2002	5	31	83.0	28.3	59.7	15.4	70.4	21.3
2002	6	1	83.6	28.7	59.6	15.3	70.3	21.3
2002	6	2	73.1	22.8	55.8	13.2	64.9	18.3
2002	6	3	67.9	19.9	46.5	8.1	58.7	14.8
2002	6	4	71.6	22.0	52.5	11.4	64.4	18.0
2002	6	5	85.2	29.6	65.6	18.7	73.8	23.2
2002	6	6	66.2	19.0	58.5	14.7	62.9	17.2
2002	6	7	73.0	22.8	53.8	12.1	62.5	16.9
2002	6	8	73.2	22.9	52.4	11.3	63.4	17.5
2002	6	9	82.9	28.3	53.8	12.1	68.4	20.2
2002	6	10	82.7	28.2	59.8	15.4	71.3	21.8
2002	6	11	85.7	29.8	61.0	16.1	72.6	22.6
2002	6	12	78.3	25.7	65.6	18.7	71.9	22.2

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	6	13	70.4	21.3	60.4	15.8	64.8	18.2
2002	6	14	62.9	17.2	57.6	14.2	58.9	14.9
2002	6	15	66.5	19.2	56.8	13.8	60.3	15.7
2002	6	16	72.4	22.4	56.2	13.4	63.6	17.6
2002	6	17	73.9	23.3	50.6	10.3	61.2	16.2
2002	6	18	75.5	24.2	47.6	8.7	61.5	16.4
2002	6	19	77.1	25.1	54.0	12.2	66.0	18.9
2002	6	20	81.1	27.3	56.8	13.8	69.2	20.7
2002	6	21	82.5	28.1	58.8	14.9	71.0	21.7
2002	6	22	83.8	28.8	59.2	15.1	72.2	22.4
2002	6	23	86.3	30.2	66.5	19.2	76.0	24.4
2002	6	24	85.2	29.6	68.1	20.1	75.7	24.3
2002	6	25	88.2	31.2	68.4	20.2	77.0	25.0
2002	6	26	89.1	31.7	66.8	19.3	78.8	26.0
2002	6	27	85.4	29.7	67.5	19.7	74.3	23.5
2002	6	28	78.5	25.8	63.5	17.5	71.5	21.9
2002	6	29	82.3	27.9	55.4	13.0	69.1	20.6
2002	6	30	84.4	29.1	61.1	16.2	72.8	22.7
2002	7	1	86.6	30.3	61.7	16.5	74.5	23.6
2002	7	2	91.7	33.2	66.3	19.1	77.8	25.4
2002	7	3	92.8	33.8	73.1	22.8	81.9	27.7
2002	7	4	92.8	33.8	70.3	21.3	80.8	27.1
2002	7	5	77.1	25.1	63.2	17.3	71.1	21.7
2002	7	6	75.4	24.1	54.8	12.7	66.0	18.9
2002	7	7	79.1	26.2	52.8	11.6	65.9	18.8
2002	7	8	87.1	30.6	56.8	13.8	71.2	21.8
2002	7	9	86.5	30.3	64.7	18.2	73.0	22.8
2002	7	10	75.4	24.1	61.2	16.2	70.0	21.1
2002	7	11	73.5	23.1	48.3	9.1	62.5	16.9
2002	7	12	79.2	26.2	46.7	8.2	63.6	17.5
2002	7	13	80.1	26.7	51.1	10.6	66.9	19.4
2002	7	14	76.8	24.9	63.3	17.4	69.1	20.6
2002	7	15	88.1	31.2	60.6	15.9	74.4	23.6
2002	7	16	84.3	29.1	60.8	16.0	73.0	22.8
2002	7	17	93.4	34.1	57.1	13.9	75.9	24.4
2002	7	18	88.4	31.3	68.4	20.2	77.2	25.1
2002	7	19	87.3	30.7	66.7	19.3	72.8	22.7
2002	7	20	81.5	27.5	65.1	18.4	72.4	22.4
2002	7	21	85.2	29.6	62.0	16.7	74.4	23.5
2002	7	22	91.5	33.1	67.6	19.8	81.2	27.3
2002	7	23	90.1	32.3	65.1	18.4	75.8	24.3
2002	7	24	79.2	26.2	62.5	16.9	69.6	20.9
2002	7	25	78.4	25.8	66.4	19.1	71.3	21.8
2002	7	26	71.4	21.9	64.0	17.8	67.1	19.5
2002	7	27	78.7	25.9	64.9	18.3	71.1	21.7
2002	7	28	85.9	29.9	69.1	20.6	75.6	24.2
2002	7	29	90.3	32.4	73.7	23.2	81.1	27.3
2002	7	30	86.5	30.3	71.7	22.1	79.2	26.2

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	7	31	90.0	32.2	62.1	16.7	76.2	24.5
2002	8	1	92.0	33.3	66.7	19.3	78.5	25.8
2002	8	2	94.8	34.9	66.1	18.9	79.3	26.3
2002	8	3	90.4	32.4	68.8	20.4	78.7	25.9
2002	8	4	92.4	33.6	66.1	18.9	79.4	26.4
2002	8	5	86.6	30.3	67.3	19.6	74.7	23.7
2002	8	6	73.3	22.9	63.0	17.2	68.0	20.0
2002	8	7	74.1	23.4	52.3	11.3	64.7	18.1
2002	8	8	76.3	24.6	50.7	10.4	64.9	18.3
2002	8	9	81.1	27.3	50.8	10.4	66.6	19.2
2002	8	10	88.3	31.3	52.9	11.6	70.9	21.6
2002	8	11	90.4	32.4	57.5	14.2	74.4	23.5
2002	8	12	93.1	33.9	62.1	16.7	77.5	25.3
2002	8	13	92.9	33.8	65.2	18.4	79.1	26.1
2002	8	14	96.3	35.7	66.7	19.3	81.5	27.5
2002	8	15	92.2	33.4	67.8	19.9	79.7	26.5
2002	8	16	87.9	31.1	69.1	20.6	77.6	25.3
2002	8	17	89.6	32.0	68.6	20.3	78.2	25.7
2002	8	18	90.1	32.3	67.3	19.6	78.2	25.7
2002	8	19	85.3	29.6	63.1	17.3	76.0	24.4
2002	8	20	79.2	26.2	63.7	17.6	72.2	22.3
2002	8	21	85.6	29.8	55.7	13.2	71.3	21.8
2002	8	22	88.8	31.6	64.0	17.8	76.7	24.8
2002	8	23	79.9	26.6	68.7	20.4	73.2	22.9
2002	8	24	77.5	25.3	67.4	19.7	70.5	21.4
2002	8	25	80.4	26.9	61.8	16.6	70.9	21.6
2002	8	26	80.0	26.7	57.2	14.0	67.9	19.9
2002	8	27	80.7	27.1	58.6	14.8	70.6	21.5
2002	8	28	74.1	23.4	59.3	15.2	68.1	20.0
2002	8	29	63.2	17.3	55.9	13.3	59.6	15.3
2002	8	30	73.6	23.1	57.9	14.4	63.3	17.4
2002	8	31	78.5	25.8	54.4	12.4	66.0	18.9
2002	9	1	62.3	16.8	56.5	13.6	59.3	15.2
2002	9	2	71.4	21.9	59.3	15.2	64.1	17.8
2002	9	3	85.0	29.4	57.6	14.2	70.0	21.1
2002	9	4	83.8	28.8	68.2	20.1	75.3	24.1
2002	9	5	76.7	24.8	57.4	14.1	66.8	19.3
2002	9	6	77.7	25.4	48.6	9.2	62.4	16.9
2002	9	7	84.5	29.2	49.3	9.6	65.7	18.7
2002	9	8	86.8	30.4	51.0	10.6	67.0	19.5
2002	9	9	92.6	33.7	50.7	10.4	69.8	21.0
2002	9	10	92.4	33.6	56.2	13.4	72.3	22.4
2002	9	11	71.5	21.9	58.2	14.6	64.6	18.1
2002	9	12	72.5	22.5	48.4	9.1	61.0	16.1
2002	9	13	82.1	27.8	43.3	6.3	61.8	16.5
2002	9	14	83.9	28.8	53.2	11.8	68.9	20.5
2002	9	15	75.1	23.9	68.1	20.1	70.8	21.5
2002	9	16	73.0	22.8	59.0	15.0	68.0	20.0

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	9	17	76.9	24.9	54.7	12.6	61.7	16.5
2002	9	18	76.2	24.6	51.0	10.6	63.3	17.4
2002	9	19	73.0	22.8	54.7	12.6	65.0	18.3
2002	9	20	78.8	26.0	65.1	18.4	72.3	22.4
2002	9	21	77.6	25.3	69.4	20.8	72.5	22.5
2002	9	22	73.5	23.1	65.4	18.6	70.5	21.4
2002	9	23	67.1	19.5	50.0	10.0	60.7	15.9
2002	9	24	72.0	22.2	45.3	7.4	56.3	13.5
2002	9	25	72.0	22.2	48.4	9.1	58.7	14.8
2002	9	26	57.3	14.1	53.0	11.7	55.7	13.2
2002	9	27	72.5	22.5	53.8	12.1	62.5	16.9
2002	9	28	68.4	20.2	49.6	9.8	62.2	16.8
2002	9	29	69.3	20.7	43.2	6.2	54.8	12.7
2002	9	30	69.1	20.6	48.5	9.2	58.4	14.7
2002	10	1	79.4	26.3	51.1	10.6	64.0	17.8
2002	10	2	81.3	27.4	58.1	14.5	68.7	20.4
2002	10	3	74.1	23.4	61.5	16.4	66.6	19.2
2002	10	4	73.0	22.8	62.5	16.9	65.0	18.3
2002	10	5	73.8	23.2	56.1	13.4	68.9	20.5
2002	10	6	66.4	19.1	44.5	6.9	56.4	13.6
2002	10	7	67.6	19.8	50.9	10.5	61.7	16.5
2002	10	8	57.9	14.4	38.3	3.5	47.9	8.8
2002	10	9	62.0	16.7	39.8	4.3	51.2	10.7
2002	10	10	60.9	16.1	56.5	13.6	58.2	14.6
2002	10	11	56.2	13.4	53.8	12.1	54.9	12.7
2002	10	12	63.6	17.6	55.8	13.2	59.2	15.1
2002	10	13	62.4	16.9	51.8	11.0	57.7	14.3
2002	10	14	52.3	11.3	36.8	2.7	46.1	7.8
2002	10	15	55.5	13.1	32.7	0.4	45.2	7.4
2002	10	16	51.1	10.6	47.6	8.7	49.0	9.4
2002	10	17	54.8	12.7	43.0	6.1	47.7	8.7
2002	10	18	52.4	11.3	36.6	2.6	43.8	6.6
2002	10	19	50.9	10.5	42.4	5.8	48.1	9.0
2002	10	20	54.7	12.6	35.7	2.1	44.7	7.1
2002	10	21	51.8	11.0	34.4	1.3	41.3	5.2
2002	10	22	57.6	14.2	30.4	-0.9	43.2	6.2
2002	10	23	47.9	8.8	35.0	1.7	41.6	5.3
2002	10	24	42.1	5.6	29.1	-1.6	35.6	2.0
2002	10	25	42.3	5.7	34.8	1.6	39.3	4.0
2002	10	26	56.7	13.7	43.1	6.2	50.3	10.1
2002	10	27	57.0	13.9	43.9	6.6	49.6	9.8
2002	10	28	50.9	10.5	35.0	1.7	44.2	6.8
2002	10	29	42.7	5.9	29.2	-1.6	35.0	1.7
2002	10	30	35.8	2.1	32.5	0.3	33.7	1.0
2002	10	31	45.1	7.3	30.3	-0.9	36.8	2.7
2002	11	1	41.6	5.3	28.9	-1.7	35.3	1.9
2002	11	2	42.5	5.8	31.4	-0.3	36.5	2.5
2002	11	3	41.7	5.4	32.5	0.3	37.4	3.0

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	11	6	46.8	8.2	36.2	2.3	41.8	5.5
2002	11	7	42.0	5.6	28.6	-1.9	38.4	3.6
2002	11	8	60.3	15.7	29.2	-1.6	46.0	7.8
2002	11	9	65.4	18.6	33.3	0.7	49.2	9.6
2002	11	10	67.4	19.7	54.9	12.7	61.5	16.4
2002	11	11	68.1	20.1	50.0	10.0	63.3	17.4
2002	11	12	48.3	9.1	43.2	6.2	46.2	7.9
2002	11	13	46.0	7.8	40.0	4.4	44.6	7.0
2002	11	14	55.8	13.2	32.9	0.5	43.8	6.6
2002	11	15	56.0	13.3	35.8	2.1	46.9	8.3
2002	11	16	44.0	6.7	38.1	3.4	40.9	5.0
2002	11	17	39.7	4.3	35.8	2.1	38.1	3.4
2002	11	18	43.3	6.3	32.6	0.3	37.1	2.8
2002	11	19	39.5	4.2	29.2	-1.6	34.6	1.5
2002	11	20	50.8	10.4	33.1	0.6	38.9	3.8
2002	11	21	47.6	8.7	30.3	-0.9	39.6	4.2
2002	11	22	48.0	8.9	38.8	3.8	43.2	6.2
2002	11	23	40.5	4.7	32.4	0.2	35.7	2.0
2002	11	24	47.9	8.8	31.9	-0.1	40.1	4.5
2002	11	25	53.3	11.8	30.4	-0.9	41.2	5.1
2002	11	26	42.6	5.9	30.3	-0.9	37.0	2.8
2002	11	27	33.9	1.1	26.0	-3.3	31.1	-0.5
2002	11	28	31.5	-0.3	20.2	-6.6	25.8	-3.5
2002	11	29	38.6	3.7	24.7	-4.1	33.1	0.6
2002	11	30	47.7	8.7	32.2	0.1	39.0	3.9
2002	12	1	34.2	1.2	23.6	-4.7	27.6	-2.4
2002	12	2	35.8	2.1	22.8	-5.1	29.1	-1.6
2002	12	3	22.7	-5.2	11.8	-11.2	17.9	-7.8
2002	12	4	26.3	-3.2	8.7	-12.9	17.3	-8.2
2002	12	5	24.9	-3.9	20.0	-6.7	23.4	-4.8
2002	12	6	29.8	-1.2	20.5	-6.4	26.2	-3.2
2002	12	7	36.0	2.2	7.6	-13.6	21.6	-5.8
2002	12	8	37.7	3.2	19.9	-6.7	28.4	-2.0
2002	12	9	23.6	-4.7	9.3	-12.6	17.0	-8.3
2002	12	10	28.2	-2.1	7.2	-13.8	16.8	-8.5
2002	12	11	34.8	1.6	13.4	-10.3	26.2	-3.3
2002	12	12	39.4	4.1	32.7	0.4	35.1	1.7
2002	12	13	39.0	3.9	34.0	1.1	36.1	2.3
2002	12	14	42.1	5.6	37.5	3.1	40.3	4.6
2002	12	15	41.0	5.0	36.6	2.6	38.7	3.7
2002	12	16	39.7	4.3	22.1	-5.5	31.7	-0.2
2002	12	17	31.1	-0.5	19.2	-7.1	23.9	-4.5
2002	12	18	38.1	3.4	11.3	-11.5	23.8	-4.6
2002	12	19	45.9	7.7	22.5	-5.3	34.0	1.1
2002	12	20	56.4	13.6	38.4	3.6	47.3	8.5
2002	12	21	38.8	3.8	33.4	0.8	36.6	2.6
2002	12	22	45.5	7.5	28.9	-1.7	36.8	2.7
2002	12	23	39.9	4.4	32.3	0.2	35.7	2.1

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	24	37.0	2.8	30.7	-0.7	33.1	0.6
2002	12	25	34.2	1.2	28.5	-1.9	30.5	-0.8
2002	12	26	34.3	1.3	26.7	-2.9	30.5	-0.9
2002	12	27	32.2	0.1	24.8	-4.0	29.8	-1.2
2002	12	28	31.0	-0.6	14.7	-9.6	24.4	-4.2
2002	12	29	40.2	4.6	26.3	-3.2	33.7	1.0
2002	12	30	39.3	4.1	20.7	-6.3	30.7	-0.7
2002	12	31	47.2	8.4	34.7	1.5	39.3	4.0
2003	1	1	39.2	4.0	35.2	1.8	36.8	2.7
2003	1	2	35.6	2.0	28.5	-1.9	30.9	-0.6
2003	1	3	33.8	1.0	27.3	-2.6	30.1	-1.1
2003	1	4	33.0	0.6	29.7	-1.3	31.3	-0.4
2003	1	5	31.7	-0.2	27.4	-2.6	29.3	-1.5
2003	1	6	30.6	-0.8	27.2	-2.7	28.6	-1.9
2003	1	7	29.2	-1.6	18.1	-7.7	24.0	-4.5
2003	1	8	38.8	3.8	24.0	-4.4	33.6	0.9
2003	1	9	44.5	6.9	35.8	2.1	41.3	5.2
2003	1	10	42.1	5.6	25.7	-3.5	33.3	0.7
2003	1	11	25.9	-3.4	20.6	-6.3	23.0	-5.0
2003	1	12	28.9	-1.7	19.6	-6.9	23.6	-4.7
2003	1	13	31.5	-0.3	14.5	-9.7	23.3	-4.8
2003	1	14	23.1	-4.9	13.6	-10.2	19.5	-7.0
2003	1	15	23.2	-4.9	16.9	-8.4	20.4	-6.5
2003	1	16	22.2	-5.4	12.8	-10.7	18.0	-7.8
2003	1	17	23.8	-4.6	6.5	-14.2	16.3	-8.7
2003	1	18	18.1	-7.7	-1.2	-18.4	8.2	-13.2
2003	1	19	23.8	-4.6	3.7	-15.7	14.5	-9.7
2003	1	20	25.3	-3.7	15.5	-9.2	22.3	-5.4
2003	1	21	22.0	-5.6	6.6	-14.1	15.0	-9.4
2003	1	22	16.9	-8.4	8.6	-13.0	12.5	-10.8
2003	1	23	15.0	-9.4	4.8	-15.1	8.8	-12.9
2003	1	24	26.0	-3.3	7.2	-13.8	15.1	-9.4
2003	1	25	26.3	-3.2	15.7	-9.1	21.3	-5.9
2003	1	26	30.8	-0.7	20.9	-6.2	24.8	-4.0
2003	1	27	17.6	-8.0	1.5	-16.9	8.8	-12.9
2003	1	28	19.9	-6.7	-2.2	-19.0	9.9	-12.3
2003	1	29	31.0	-0.6	19.6	-6.9	25.1	-3.8
2003	1	30	33.7	0.9	14.2	-9.9	25.4	-3.7
2003	1	31	36.0	2.2	17.5	-8.1	28.4	-2.0
2003	2	1	36.6	2.6	34.0	1.1	35.3	1.8
2003	2	2	38.8	3.8	34.3	1.3	37.1	2.8
2003	2	3	44.5	6.9	30.7	-0.7	37.9	3.3
2003	2	4	42.7	5.9	33.2	0.7	38.8	3.8
2003	2	5	32.8	0.4	21.4	-5.9	26.2	-3.2
2003	2	6	29.3	-1.5	12.7	-10.7	22.1	-5.5
2003	2	7	32.2	0.1	22.3	-5.4	26.9	-2.9
2003	2	8	25.2	-3.8	12.2	-11.0	19.0	-7.3
2003	2	9	32.5	0.3	10.5	-11.9	22.5	-5.3

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	2	10	31.9	-0.1	22.7	-5.2	28.2	-2.1
2003	2	11	29.3	-1.5	10.6	-11.9	17.9	-7.8
2003	2	12	26.6	-3.0	12.9	-10.6	19.7	-6.8
2003	2	13	20.4	-6.4	13.9	-10.1	16.8	-8.4
2003	2	14	27.0	-2.8	4.8	-15.1	17.4	-8.1
2003	2	15	21.4	-5.9	9.4	-12.6	17.5	-8.1
2003	2	16	13.4	-10.3	5.3	-14.8	8.8	-12.9
2003	2	17	22.1	-5.5	12.2	-11.0	17.2	-8.2
2003	2	18	31.5	-0.3	20.9	-6.2	25.1	-3.9
2003	2	19	40.7	4.8	27.7	-2.4	33.3	0.7
2003	2	20	43.3	6.3	27.4	-2.6	36.8	2.7
2003	2	21	44.6	7.0	15.9	-8.9	31.5	-0.3
2003	2	22	45.3	7.4	34.9	1.6	39.5	4.2
2003	2	23	44.0	6.7	28.0	-2.2	37.4	3.0
2003	2	24	29.9	-1.2	20.2	-6.6	25.3	-3.7
2003	2	25	31.2	-0.4	16.8	-8.4	23.6	-4.7
2003	2	26	23.4	-4.8	14.1	-9.9	18.3	-7.6
2003	2	27	30.8	-0.7	19.1	-7.2	25.0	-3.9
2003	2	28	34.8	1.6	28.6	-1.9	31.2	-0.4
2003	3	1	35.3	1.8	29.6	-1.3	32.2	0.1
2003	3	2	41.1	5.1	33.0	0.6	36.4	2.4
2003	3	3	34.8	1.6	5.0	-15.0	14.7	-9.6
2003	3	4	36.2	2.3	8.9	-12.8	23.8	-4.5
2003	3	5	43.5	6.4	29.6	-1.3	36.8	2.6
2003	3	6	39.2	4.0	15.7	-9.1	27.0	-2.8
2003	3	7	32.7	0.4	1.1	-17.2	18.7	-7.4
2003	3	8	45.1	7.3	15.9	-8.9	31.7	-0.2
2003	3	9	44.2	6.8	19.8	-6.8	36.5	2.5
2003	3	10	25.5	-3.6	16.7	-8.5	20.3	-6.5
2003	3	11	36.0	2.2	9.9	-12.3	24.2	-4.3
2003	3	12	50.4	10.2	24.3	-4.3	35.9	2.2
2003	3	13	38.2	3.4	27.0	-2.8	34.8	1.6
2003	3	14	35.3	1.8	15.9	-8.9	25.8	-3.4
2003	3	15	53.2	11.8	25.0	-3.9	37.5	3.1
2003	3	16	65.0	18.3	28.3	-2.1	44.5	7.0
2003	3	17	66.5	19.2	37.0	2.8	47.9	8.8
2003	3	18	54.1	12.3	36.7	2.6	45.1	7.3
2003	3	19	46.9	8.3	35.2	1.8	40.6	4.8
2003	3	20	46.3	7.9	32.5	0.3	38.1	3.4
2003	3	21	59.6	15.3	41.4	5.2	47.7	8.7
2003	3	22	55.5	13.1	43.0	6.1	49.1	9.5
2003	3	23	53.5	11.9	38.0	3.3	45.0	7.2
2003	3	24	59.7	15.4	32.0	0.0	45.5	7.5
2003	3	25	69.3	20.7	34.7	1.5	53.2	11.8
2003	3	26	57.2	14.0	37.5	3.1	47.5	8.6
2003	3	27	59.7	15.4	34.8	1.6	45.0	7.2
2003	3	28	61.1	16.2	40.6	4.8	51.5	10.8
2003	3	29	63.2	17.3	48.6	9.2	56.9	13.8

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	30	47.5	8.6	30.3	-0.9	35.4	1.9
2003	3	31	36.2	2.3	26.1	-3.3	30.6	-0.8
2003	4	1	41.1	5.1	19.8	-6.8	31.3	-0.4
2003	4	2	76.0	24.4	37.4	3.0	54.0	12.2
2003	4	3	68.2	20.1	45.2	7.3	55.6	13.1
2003	4	4	48.5	9.2	37.1	2.8	42.4	5.8
2003	4	5	45.6	7.6	35.7	2.1	40.1	4.5
2003	4	6	43.0	6.1	29.9	-1.2	36.6	2.5
2003	4	7	34.4	1.3	28.6	-1.9	31.3	-0.4
2003	4	8	36.8	2.7	30.0	-1.1	33.3	0.7
2003	4	9	42.1	5.6	34.3	1.3	37.7	3.2
2003	4	10	58.3	14.6	37.3	2.9	46.0	7.8
2003	4	11	45.8	7.7	36.8	2.7	42.8	6.0
2003	4	12	64.6	18.1	43.2	6.2	52.7	11.5
2003	4	13	57.1	13.9	36.7	2.6	47.3	8.5
2003	4	14	68.6	20.3	30.7	-0.7	50.6	10.3
2003	4	15	82.2	27.9	41.0	5.0	64.2	17.9
2003	4	16	83.2	28.4	49.1	9.5	65.1	18.4
2003	4	17	47.3	8.5	35.3	1.8	40.5	4.7
2003	4	18	44.3	6.8	35.1	1.7	39.2	4.0
2003	4	19	67.3	19.6	43.4	6.3	53.3	11.8
2003	4	20	69.8	21.0	37.0	2.8	55.2	12.9
2003	4	21	59.2	15.1	46.5	8.1	54.3	12.4
2003	4	22	58.9	14.9	45.0	7.2	53.7	12.0
2003	4	23	44.0	6.7	39.4	4.1	41.7	5.4
2003	4	24	58.9	14.9	35.1	1.7	47.3	8.5
2003	4	25	67.4	19.7	36.4	2.4	53.0	11.6
2003	4	26	54.9	12.7	51.8	11.0	53.2	11.8
2003	4	27	68.4	20.2	47.5	8.6	57.2	14.0
2003	4	28	78.3	25.7	37.4	3.0	60.0	15.5
2003	4	29	68.9	20.5	47.9	8.8	57.2	14.0
2003	4	30	67.0	19.4	42.0	5.6	54.9	12.7
2003	5	1	78.7	25.9	57.4	14.1	66.5	19.2
2003	5	2	75.1	23.9	53.2	11.8	64.4	18.0
2003	5	3	64.2	17.9	46.6	8.1	54.7	12.6
2003	5	4	67.1	19.5	42.0	5.6	55.0	12.8
2003	5	5	55.9	13.3	41.4	5.2	46.7	8.2
2003	5	6	69.1	20.6	43.2	6.2	54.5	12.5
2003	5	9	61.3	16.3	49.4	9.7	57.7	14.3
2003	5	10	71.2	21.8	45.0	7.2	58.5	14.7
2003	5	11	74.4	23.6	56.6	13.7	65.9	18.8
2003	5	12	65.6	18.7	50.2	10.1	55.8	13.2
2003	5	13	53.8	12.1	48.4	9.1	51.0	10.6
2003	5	14	59.3	15.2	45.7	7.6	52.7	11.5
2003	5	15	65.8	18.8	40.0	4.4	53.4	11.9
2003	5	16	57.4	14.1	49.0	9.4	54.2	12.4
2003	5	17	55.9	13.3	47.4	8.6	51.4	10.8
2003	5	18	68.6	20.3	43.8	6.6	55.1	12.9

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	5	19	75.1	23.9	37.8	3.2	57.3	14.1
2003	5	20	75.4	24.1	42.2	5.7	60.4	15.8
2003	5	21	57.2	14.0	48.8	9.3	53.7	12.0
2003	5	22	57.8	14.3	49.1	9.5	53.5	11.9
2003	5	23	62.6	17.0	51.9	11.1	54.9	12.7
2003	5	24	57.7	14.3	53.1	11.7	55.6	13.1
2003	5	25	65.8	18.8	54.0	12.2	59.3	15.2
2003	5	26	59.2	15.1	52.6	11.4	56.8	13.8
2003	5	27	64.3	17.9	51.0	10.6	56.6	13.6
2003	5	28	65.5	18.6	51.4	10.8	55.9	13.3
2003	5	29	70.9	21.6	50.8	10.4	59.9	15.5
2003	5	30	73.1	22.8	51.3	10.7	62.8	17.1
2003	5	31	62.8	17.1	56.3	13.5	59.5	15.3
2003	6	1	59.2	15.1	47.2	8.4	52.3	11.3
2003	6	2	68.9	20.5	43.0	6.1	55.7	13.2
2003	6	3	60.2	15.7	45.5	7.5	52.1	11.1
2003	6	4	59.3	15.2	51.7	10.9	55.2	12.9
2003	6	5	65.5	18.6	55.2	12.9	59.5	15.3
2003	6	6	70.8	21.6	55.2	12.9	61.1	16.2
2003	6	7	60.8	16.0	52.1	11.2	57.3	14.1
2003	6	8	67.8	19.9	57.5	14.2	62.4	16.9
2003	6	9	72.9	22.7	59.9	15.5	66.2	19.0
2003	6	10	78.1	25.6	52.3	11.3	66.7	19.3
2003	6	11	76.2	24.6	67.6	19.8	70.8	21.6
2003	6	12	73.7	23.2	66.3	19.1	69.7	21.0
2003	6	13	80.7	27.1	67.1	19.5	73.8	23.2
2003	6	14	77.9	25.5	66.3	19.1	70.8	21.6
2003	6	15	77.3	25.2	57.4	14.1	67.5	19.7
2003	6	16	75.4	24.1	47.8	8.8	63.0	17.2
2003	6	17	70.8	21.6	50.5	10.3	61.3	16.3
2003	6	18	65.5	18.6	56.3	13.5	60.9	16.0
2003	6	19	76.7	24.8	57.3	14.1	65.4	18.6
2003	6	20	64.2	17.9	58.0	14.4	60.6	15.9
2003	6	21	62.1	16.7	58.0	14.4	59.8	15.4
2003	6	22	68.1	20.1	55.6	13.1	60.9	16.1
2003	6	23	87.4	30.8	54.2	12.3	69.6	20.9
2003	6	24	89.1	31.7	55.5	13.1	71.7	22.1
2003	6	25	89.2	31.8	57.0	13.9	73.2	22.9
2003	6	26	88.7	31.5	64.4	18.0	76.7	24.9
2003	6	27	82.2	27.9	62.6	17.0	72.6	22.5
2003	6	28	80.9	27.2	55.3	12.9	68.2	20.1
2003	6	29	82.6	28.1	60.0	15.6	71.3	21.8
2003	6	30	78.5	25.8	63.2	17.3	69.9	21.0
2003	7	1	80.9	27.2	56.9	13.8	68.3	20.2
2003	7	2	82.5	28.1	59.2	15.1	71.7	22.1
2003	7	3	85.3	29.6	61.7	16.5	73.8	23.2
2003	7	4	88.6	31.4	64.3	17.9	75.1	23.9
2003	7	5	86.7	30.4	67.4	19.7	77.2	25.1

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	7	6	87.9	31.1	69.3	20.7	77.7	25.4
2003	7	7	83.6	28.7	68.1	20.1	74.1	23.4
2003	7	8	86.7	30.4	68.6	20.3	76.4	24.7
2003	7	9	74.5	23.6	61.2	16.2	69.3	20.7
2003	7	10	68.3	20.2	58.3	14.6	63.9	17.7
2003	7	11	82.1	27.8	63.5	17.5	71.3	21.8
2003	7	12	78.7	25.9	57.5	14.2	68.7	20.4
2003	7	13	77.5	25.3	56.1	13.4	67.3	19.6
2003	7	14	80.7	27.1	57.6	14.2	69.0	20.5
2003	7	15	82.5	28.1	58.0	14.4	71.2	21.8
2003	7	16	84.7	29.3	67.4	19.7	76.7	24.9
2003	7	17	80.0	26.7	56.5	13.6	68.3	20.2
2003	7	18	74.9	23.8	61.8	16.6	67.4	19.7
2003	7	19	78.0	25.6	56.3	13.5	67.5	19.7
2003	7	20	80.7	27.1	54.2	12.3	68.7	20.4
2003	7	21	85.9	29.9	68.3	20.2	75.0	23.9
2003	7	22	71.5	21.9	63.4	17.4	67.5	19.7
2003	7	23	77.6	25.3	66.7	19.3	70.2	21.2
2003	7	24	75.7	24.3	61.2	16.2	69.0	20.6
2003	7	25	81.7	27.6	57.8	14.3	69.1	20.6
2003	7	26	83.5	28.6	57.7	14.3	71.1	21.7
2003	7	27	84.9	29.4	66.5	19.2	73.5	23.1
2003	7	28	77.0	25.0	66.8	19.3	71.6	22.0
2003	7	29	78.8	26.0	54.8	12.7	67.2	19.5
2003	7	30	82.2	27.9	56.8	13.8	69.7	21.0
2003	7	31	77.1	25.1	56.4	13.6	68.3	20.2
2003	8	1	75.7	24.3	66.0	18.9	71.0	21.7
2003	8	2	84.5	29.2	68.9	20.5	76.3	24.6
2003	8	3	81.8	27.7	68.4	20.2	74.0	23.3
2003	8	4	80.6	27.0	68.8	20.4	73.4	23.0
2003	8	5	79.1	26.2	66.7	19.3	70.4	21.3
2003	8	6	78.6	25.9	64.2	17.9	70.3	21.3
2003	8	7	81.2	27.3	63.2	17.3	72.2	22.3
2003	8	8	83.8	28.8	65.4	18.6	72.9	22.7
2003	8	9	79.2	26.2	68.8	20.4	73.7	23.2
2003	8	10	84.1	28.9	70.6	21.4	75.7	24.3
2003	8	11	75.2	24.0	68.3	20.2	70.3	21.3
2003	8	12	83.9	28.8	68.3	20.2	74.8	23.8
2003	8	13	86.9	30.5	67.3	19.6	74.8	23.8
2003	8	14	87.1	30.6	67.4	19.7	75.5	24.2
2003	8	15	86.0	30.0	65.0	18.3	73.8	23.2
2003	8	16	81.5	27.5	65.3	18.5	70.8	21.5
2003	8	17	78.2	25.7	62.5	16.9	69.9	21.0
2003	8	18	76.1	24.5	57.0	13.9	65.6	18.7
2003	8	19	82.0	27.8	57.3	14.1	68.5	20.3
2003	8	20	83.6	28.7	59.0	15.0	70.7	21.5
2003	8	21	85.5	29.7	63.0	17.2	73.7	23.2
2003	8	22	85.9	29.9	67.4	19.7	75.3	24.0

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	23	77.1	25.1	58.5	14.7	68.3	20.2
2003	8	24	74.2	23.4	49.5	9.7	62.1	16.7
2003	8	25	83.2	28.4	57.8	14.3	69.7	20.9
2003	8	26	78.9	26.1	62.8	17.1	69.6	20.9
2003	8	27	81.8	27.7	65.8	18.8	72.6	22.6
2003	8	28	78.9	26.1	57.4	14.1	67.9	19.9
2003	8	29	83.2	28.4	58.2	14.6	70.8	21.5
2003	8	30	70.6	21.4	59.1	15.1	67.4	19.7
2003	8	31	73.4	23.0	50.3	10.2	61.4	16.3
2003	9	1	66.5	19.2	61.6	16.4	63.5	17.5
2003	9	2	68.1	20.1	60.9	16.1	63.6	17.5
2003	9	3	68.1	20.1	60.8	16.0	64.2	17.9
2003	9	4	74.9	23.8	64.1	17.8	69.5	20.8
2003	9	5	67.2	19.6	55.1	12.8	62.2	16.8
2003	9	6	72.3	22.4	49.3	9.6	59.4	15.2
2003	9	7	74.9	23.8	51.9	11.1	61.1	16.1
2003	9	8	72.3	22.4	54.8	12.7	62.6	17.0
2003	9	9	73.4	23.0	53.9	12.2	64.2	17.9
2003	9	10	74.1	23.4	49.4	9.7	60.2	15.7
2003	9	11	78.2	25.7	51.9	11.1	64.6	18.1
2003	9	12	70.7	21.5	58.0	14.4	64.3	17.9
2003	9	13	72.2	22.3	61.2	16.2	67.0	19.4
2003	9	14	80.8	27.1	68.4	20.2	74.2	23.5
2003	9	15	71.3	21.8	64.5	18.1	68.5	20.3
2003	9	16	74.1	23.4	55.6	13.1	63.7	17.6
2003	9	17	74.2	23.4	51.3	10.7	61.8	16.5
2003	9	18	69.8	21.0	54.9	12.7	63.0	17.2
2003	9	19	74.1	23.4	64.4	18.0	69.5	20.8
2003	9	20	74.7	23.7	55.3	12.9	64.8	18.2
2003	9	21	70.1	21.2	50.7	10.4	60.0	15.6
2003	9	22	70.5	21.4	61.6	16.4	66.1	18.9
2003	9	23	70.3	21.3	51.3	10.7	63.9	17.7
2003	9	24	71.0	21.7	46.0	7.8	56.7	13.7
2003	9	25	69.9	21.1	49.8	9.9	59.4	15.2
2003	9	26	69.7	20.9	54.8	12.7	62.1	16.7
2003	9	27	76.8	24.9	64.3	17.9	69.7	20.9
2003	9	28	63.9	17.7	54.7	12.6	59.0	15.0
2003	9	29	58.5	14.7	48.9	9.4	53.8	12.1
2003	9	30	60.0	15.6	42.0	5.6	49.6	9.8
2003	10	1	54.2	12.3	42.1	5.6	48.4	9.1
2003	10	2	50.1	10.1	37.5	3.1	43.6	6.5
2003	10	3	55.3	12.9	32.9	0.5	43.7	6.5
2003	10	4	48.5	9.2	40.8	4.9	46.4	8.0
2003	10	5	53.3	11.8	37.4	3.0	44.0	6.7
2003	10	6	54.9	12.7	33.2	0.7	42.1	5.6
2003	10	7	63.5	17.5	33.8	1.0	46.6	8.1
2003	10	8	70.4	21.3	41.4	5.2	52.6	11.5
2003	10	9	76.9	24.9	44.9	7.2	58.2	14.6

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	10	10	72.1	22.3	52.2	11.2	59.5	15.3
2003	10	11	76.0	24.4	47.4	8.6	57.9	14.4
2003	10	12	71.9	22.2	43.7	6.5	56.5	13.6
2003	10	13	69.2	20.7	45.2	7.3	56.6	13.7
2003	10	14	64.9	18.3	44.9	7.2	54.8	12.7
2003	10	15	56.2	13.4	46.9	8.3	53.0	11.7
2003	10	16	58.6	14.8	38.5	3.6	49.1	9.5
2003	10	17	50.3	10.2	38.5	3.6	44.1	6.7
2003	10	18	52.6	11.4	39.0	3.9	44.3	6.8
2003	10	19	54.9	12.7	40.2	4.6	47.7	8.7
2003	10	20	59.8	15.4	33.5	0.8	45.9	7.7
2003	10	21	70.1	21.2	46.2	7.9	58.4	14.7
2003	10	22	54.1	12.3	39.0	3.9	45.4	7.5
2003	10	23	39.5	4.2	34.9	1.6	37.9	3.3
2003	10	24	50.3	10.2	32.5	0.3	39.5	4.2
2003	10	25	57.5	14.2	30.5	-0.8	45.1	7.3
2003	10	26	65.2	18.4	47.6	8.7	60.0	15.5
2003	10	27	61.3	16.3	42.7	5.9	54.5	12.5
2003	10	28	55.3	12.9	34.7	1.5	44.7	7.0
2003	10	29	48.5	9.2	44.7	7.1	46.3	7.9
2003	10	30	58.6	14.8	33.9	1.1	45.0	7.2
2003	10	31	69.2	20.7	37.7	3.2	52.0	11.1
2003	11	1	71.8	22.1	45.6	7.6	57.5	14.2
2003	11	2	63.0	17.2	50.5	10.3	57.0	13.9
2003	11	3	73.7	23.2	51.3	10.7	57.7	14.3
2003	11	7	52.9	11.6	43.5	6.4	47.8	8.8
2003	11	8	45.5	7.5	27.5	-2.5	36.1	2.3
2003	11	9	39.0	3.9	19.6	-6.9	28.6	-1.9
2003	11	10	45.7	7.6	20.1	-6.6	31.3	-0.4
2003	11	11	43.1	6.2	28.7	-1.8	36.9	2.7
2003	11	12	55.0	12.8	42.7	5.9	47.4	8.6
2003	11	13	57.0	13.9	34.9	1.6	44.0	6.7
2003	11	14	42.3	5.7	33.8	1.0	37.6	3.1
2003	11	15	48.0	8.9	32.0	0.0	41.3	5.2
2003	11	16	48.9	9.4	31.8	-0.1	40.8	4.9
2003	11	17	53.5	11.9	42.9	6.1	46.6	8.1
2003	11	18	54.4	12.4	40.8	4.9	47.1	8.4
2003	11	19	68.2	20.1	49.4	9.7	58.5	14.7
2003	11	20	48.4	9.1	33.9	1.1	44.9	7.2
2003	11	21	60.6	15.9	30.4	-0.9	42.5	5.8
2003	11	22	61.1	16.2	36.2	2.3	45.1	7.3
2003	11	23	58.8	14.9	36.2	2.3	46.6	8.1
2003	11	24	59.9	15.5	32.8	0.4	48.5	9.1
2003	11	25	36.4	2.4	29.0	-1.7	32.6	0.3
2003	11	26	43.3	6.3	29.5	-1.4	35.0	1.7
2003	11	27	53.6	12.0	30.9	-0.6	42.0	5.6
2003	11	28	60.7	15.9	39.5	4.2	49.0	9.4
2003	11	29	41.2	5.1	34.7	1.5	38.2	3.5

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	30	47.6	8.7	33.0	0.6	38.8	3.8
2003	12	1	46.4	8.0	29.7	-1.3	39.3	4.0
2003	12	2	31.7	-0.2	21.5	-5.8	28.4	-2.0
2003	12	3	31.0	-0.6	19.7	-6.8	23.7	-4.6
2003	12	4	34.2	1.2	15.9	-8.9	23.8	-4.6
2003	12	5	32.5	0.3	24.0	-4.4	29.2	-1.6
2003	12	6	27.5	-2.5	22.7	-5.2	24.9	-3.9
2003	12	7	28.3	-2.1	22.2	-5.4	24.5	-4.2
2003	12	8	30.7	-0.7	15.3	-9.3	23.8	-4.6
2003	12	9	35.3	1.8	24.4	-4.2	29.9	-1.2
2003	12	10	50.2	10.1	34.2	1.2	40.4	4.7
2003	12	11	55.6	13.1	37.7	3.2	48.6	9.2
2003	12	12	37.3	2.9	29.4	-1.4	34.1	1.1
2003	12	13	30.2	-1.0	24.9	-3.9	27.0	-2.8
2003	12	14	30.3	-0.9	22.9	-5.1	26.6	-3.0
2003	12	15	36.3	2.4	24.4	-4.2	31.1	-0.5
2003	12	16	44.7	7.1	21.5	-5.8	33.0	0.6
2003	12	17	44.6	7.0	27.6	-2.4	35.0	1.7
2003	12	18	30.9	-0.6	27.7	-2.4	28.9	-1.7
2003	12	19	31.9	-0.1	27.9	-2.3	29.5	-1.4
2003	12	20	31.7	-0.2	24.8	-4.0	27.9	-2.3
2003	12	21	33.5	0.8	22.7	-5.2	27.5	-2.5
2003	12	22	40.2	4.6	22.0	-5.6	30.9	-0.6
2003	12	23	54.5	12.5	36.2	2.3	44.6	7.0
2003	12	24	55.9	13.3	37.2	2.9	46.9	8.3
2003	12	25	36.5	2.5	29.7	-1.3	32.8	0.4
2003	12	26	40.2	4.6	29.3	-1.5	33.4	0.8
2003	12	27	45.5	7.5	26.1	-3.3	33.8	1.0
2003	12	28	47.2	8.4	23.0	-5.0	31.9	-0.1
2003	12	29	50.5	10.3	26.2	-3.2	34.9	1.6
2003	12	30	42.5	5.8	30.6	-0.8	37.0	2.8
2003	12	31	44.4	6.9	30.0	-1.1	36.9	2.7
2004	1	1	43.3	6.3	30.9	-0.6	38.1	3.4
2004	1	2	42.2	5.7	31.7	-0.2	37.7	3.2
2004	1	3	48.9	9.4	40.3	4.6	46.0	7.8
2004	1	4	48.2	9.0	34.3	1.3	41.9	5.5
2004	1	5	39.8	4.3	34.2	1.2	37.4	3.0
2004	1	6	35.0	1.7	16.4	-8.7	28.0	-2.2
2004	1	7	20.9	-6.2	13.9	-10.1	17.6	-8.0
2004	1	8	27.6	-2.4	18.9	-7.3	23.7	-4.6
2004	1	9	26.3	-3.2	-0.1	-17.8	11.9	-11.2
2004	1	10	10.7	-11.8	-3.6	-19.8	2.9	-16.2
2004	1	11	26.8	-2.9	1.5	-16.9	13.9	-10.0
2004	1	12	37.5	3.1	24.4	-4.2	28.5	-1.9
2004	1	13	36.5	2.5	16.1	-8.8	31.3	-0.4
2004	1	14	15.1	-9.4	5.3	-14.8	10.3	-12.1
2004	1	15	12.1	-11.1	-0.5	-18.1	8.1	-13.3
2004	1	16	24.0	-4.4	-1.5	-18.6	10.8	-11.8

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	17	21.5	-5.8	7.9	-13.4	16.5	-8.6
2004	1	18	31.4	-0.3	20.1	-6.6	25.7	-3.5
2004	1	19	24.7	-4.1	18.5	-7.5	21.5	-5.8
2004	1	20	26.8	-2.9	17.0	-8.3	21.2	-6.0
2004	1	21	22.0	-5.6	12.8	-10.7	17.4	-8.1
2004	1	22	35.3	1.8	13.8	-10.1	23.1	-5.0
2004	1	23	14.4	-9.8	7.3	-13.7	10.6	-11.9
2004	1	24	18.7	-7.4	7.9	-13.4	12.3	-10.9
2004	1	25	13.6	-10.2	0.3	-17.6	8.3	-13.2
2004	1	26	18.6	-7.4	11.8	-11.2	15.1	-9.4
2004	1	27	24.9	-3.9	16.6	-8.6	20.5	-6.4
2004	1	28	25.7	-3.5	18.5	-7.5	22.3	-5.4
2004	1	29	23.4	-4.8	14.7	-9.6	19.6	-6.9
2004	1	30	19.1	-7.2	9.3	-12.6	14.2	-9.9
2004	1	31	21.5	-5.8	9.9	-12.3	15.5	-9.2
2004	2	1	32.1	0.1	12.6	-10.8	20.9	-6.2
2004	2	2	34.6	1.4	15.2	-9.3	24.3	-4.3
2004	2	3	37.8	3.2	26.6	-3.0	32.3	0.2
2004	2	4	36.5	2.5	28.0	-2.2	33.9	1.0
2004	2	5	29.0	-1.7	17.0	-8.3	24.9	-3.9
2004	2	6	39.0	3.9	26.7	-2.9	32.3	0.2
2004	2	7	37.3	2.9	25.7	-3.5	33.3	0.7
2004	2	8	28.5	-1.9	14.0	-10.0	21.7	-5.7
2004	2	9	42.8	6.0	10.1	-12.2	26.9	-2.8
2004	2	10	41.7	5.4	30.4	-0.9	36.6	2.6
2004	2	11	35.7	2.1	23.2	-4.9	30.3	-0.9
2004	2	12	39.1	3.9	17.5	-8.1	27.8	-2.3
2004	2	13	36.3	2.4	30.0	-1.1	33.3	0.7
2004	2	14	33.7	0.9	26.6	-3.0	29.6	-1.3
2004	2	15	31.2	-0.4	12.5	-10.8	20.4	-6.5
2004	2	16	26.0	-3.3	5.0	-15.0	14.8	-9.6
2004	2	17	32.7	0.4	9.1	-12.7	21.4	-5.9
2004	2	18	36.7	2.6	12.1	-11.1	25.2	-3.8
2004	2	19	44.0	6.7	26.8	-2.9	35.0	1.7
2004	2	20	44.2	6.8	25.4	-3.7	34.7	1.5
2004	2	21	42.6	5.9	32.8	0.4	37.1	2.8
2004	2	22	40.3	4.6	32.7	0.4	35.4	1.9
2004	2	23	41.0	5.0	23.4	-4.8	31.6	-0.2
2004	2	24	31.6	-0.2	25.8	-3.4	30.5	-0.9
2004	2	25	36.7	2.6	11.6	-11.3	25.8	-3.4
2004	2	26	39.2	4.0	16.6	-8.6	28.6	-1.9
2004	2	27	43.5	6.4	24.9	-3.9	33.4	0.8
2004	2	28	51.2	10.7	18.5	-7.5	33.0	0.6
2004	2	29	54.3	12.4	23.0	-5.0	36.8	2.7
2004	3	1	55.1	12.8	26.8	-2.9	39.6	4.2
2004	3	2	63.9	17.7	36.4	2.4	47.8	8.8
2004	3	3	52.3	11.3	34.0	1.1	45.3	7.4
2004	3	4	50.5	10.3	38.0	3.3	42.8	6.0

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	3	5	51.0	10.6	41.9	5.5	46.9	8.3
2004	3	6	56.3	13.5	42.3	5.7	50.3	10.2
2004	3	7	50.5	10.3	36.7	2.6	42.9	6.1
2004	3	8	41.8	5.4	35.5	1.9	37.9	3.3
2004	3	9	38.0	3.3	29.5	-1.4	33.2	0.7
2004	3	10	42.5	5.8	27.6	-2.4	34.6	1.5
2004	3	11	49.2	9.6	23.3	-4.8	36.6	2.6
2004	3	12	40.3	4.6	30.3	-0.9	34.6	1.5
2004	3	13	38.8	3.8	25.7	-3.5	31.7	-0.2
2004	3	14	43.2	6.2	21.6	-5.8	33.9	1.0
2004	3	15	52.0	11.1	36.6	2.6	43.9	6.6
2004	3	16	34.9	1.6	27.7	-2.4	30.2	-1.0
2004	3	17	33.2	0.7	27.1	-2.7	29.6	-1.3
2004	3	18	37.5	3.1	25.2	-3.8	31.8	-0.1
2004	3	19	37.9	3.3	27.1	-2.7	33.5	0.8
2004	3	20	46.7	8.2	20.4	-6.4	34.6	1.4
2004	3	21	40.7	4.8	28.5	-1.9	37.7	3.2
2004	3	22	30.8	-0.7	20.3	-6.5	26.0	-3.3
2004	3	23	46.0	7.8	14.5	-9.7	31.0	-0.6
2004	3	24	58.0	14.4	26.3	-3.2	43.1	6.2
2004	3	25	57.7	14.3	43.2	6.2	49.7	9.8
2004	3	26	70.3	21.3	39.8	4.3	55.9	13.3
2004	3	27	63.6	17.6	50.9	10.5	57.1	14.0
2004	3	28	66.2	19.0	47.0	8.3	54.0	12.2
2004	3	29	57.6	14.2	38.7	3.7	48.1	8.9
2004	3	30	43.9	6.6	33.0	0.6	39.7	4.3
2004	3	31	52.0	11.1	40.3	4.6	45.0	7.2
2004	4	1	52.9	11.6	44.1	6.7	47.4	8.6
2004	4	2	48.4	9.1	43.4	6.3	46.1	7.8
2004	4	3	48.6	9.2	42.3	5.7	45.1	7.3
2004	4	4	41.6	5.3	29.4	-1.4	37.9	3.3
2004	4	5	38.7	3.7	25.4	-3.7	31.8	-0.1
2004	4	6	52.9	11.6	29.8	-1.2	41.3	5.2
2004	4	7	61.9	16.6	43.1	6.2	50.7	10.4
2004	4	8	48.8	9.3	31.4	-0.3	40.0	4.4
2004	4	9	56.3	13.5	37.7	3.2	46.5	8.0
2004	4	10	59.4	15.2	30.5	-0.8	46.4	8.0
2004	4	11	46.1	7.8	37.2	2.9	42.9	6.1
2004	4	12	54.6	12.6	40.2	4.6	45.0	7.2
2004	4	13	54.7	12.6	41.4	5.2	46.9	8.3
2004	4	14	49.2	9.6	43.2	6.2	45.6	7.5
2004	4	15	53.7	12.1	42.1	5.6	47.2	8.4
2004	4	16	63.1	17.3	29.2	-1.6	46.5	8.1
2004	4	17	78.6	25.9	42.5	5.8	60.9	16.0
2004	4	18	82.5	28.1	50.9	10.5	66.8	19.3
2004	4	19	86.1	30.1	49.3	9.6	69.7	20.9
2004	4	20	70.1	21.2	50.2	10.1	57.9	14.4
2004	4	21	68.5	20.3	47.8	8.8	57.5	14.1

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	22	73.7	23.2	52.5	11.4	61.7	16.5
2004	4	23	55.4	13.0	51.2	10.7	53.1	11.7
2004	4	24	63.9	17.7	50.3	10.2	56.0	13.3
2004	4	25	50.0	10.0	43.5	6.4	46.3	7.9
2004	4	26	55.4	13.0	46.7	8.2	51.1	10.6
2004	4	27	58.3	14.6	39.8	4.3	49.7	9.8
2004	4	28	55.9	13.3	35.2	1.8	45.2	7.3
2004	4	29	79.1	26.2	39.8	4.3	60.9	16.0
2004	4	30	77.4	25.2	50.8	10.4	66.3	19.1
2004	5	1	79.2	26.2	57.5	14.2	68.9	20.5
2004	5	2	75.1	23.9	59.5	15.3	68.3	20.2
2004	5	7	75.1	23.9	52.7	11.5	63.5	17.5
2004	5	8	65.8	18.8	47.8	8.8	55.7	13.2
2004	5	9	71.6	22.0	47.2	8.4	58.6	14.8
2004	5	10	82.8	28.2	55.0	12.8	69.0	20.6
2004	5	11	83.2	28.4	60.0	15.6	71.7	22.0
2004	5	12	84.7	29.3	61.4	16.3	71.6	22.0
2004	5	13	87.4	30.8	61.1	16.2	75.1	23.9
2004	5	14	80.3	26.8	65.4	18.6	71.7	22.0
2004	5	15	82.4	28.0	61.2	16.2	68.2	20.1
2004	5	16	71.8	22.1	56.6	13.7	63.1	17.3
2004	5	17	78.0	25.6	53.5	11.9	66.1	19.0
2004	5	18	78.9	26.1	64.3	17.9	70.6	21.5
2004	5	19	67.7	19.8	55.8	13.2	63.4	17.5
2004	5	20	68.4	20.2	52.6	11.4	61.2	16.2
2004	5	21	78.7	25.9	64.1	17.8	69.7	20.9
2004	5	22	81.6	27.6	64.2	17.9	72.1	22.3
2004	5	23	83.4	28.6	66.9	19.4	74.4	23.6
2004	5	24	84.5	29.2	65.4	18.6	75.6	24.2
2004	5	25	75.4	24.1	58.4	14.7	67.1	19.5
2004	5	26	71.2	21.8	62.2	16.8	65.9	18.8
2004	5	27	74.2	23.4	58.8	14.9	66.3	19.1
2004	5	28	73.6	23.1	60.1	15.6	66.4	19.1
2004	5	29	62.6	17.0	47.1	8.4	55.3	12.9
2004	5	30	71.4	21.9	40.6	4.8	57.0	13.9
2004	5	31	61.1	16.2	53.5	11.9	56.4	13.6
2004	6	1	72.2	22.3	55.8	13.2	62.0	16.6
2004	6	2	73.1	22.8	53.0	11.7	61.8	16.5
2004	6	3	72.7	22.6	56.8	13.8	64.1	17.8
2004	6	4	70.2	21.2	47.2	8.4	59.9	15.5
2004	6	5	58.7	14.8	52.4	11.3	54.5	12.5
2004	6	6	61.0	16.1	51.7	10.9	55.7	13.2
2004	6	7	79.5	26.4	52.3	11.3	64.9	18.3
2004	6	8	84.2	29.0	56.8	13.8	70.8	21.6
2004	6	9	88.4	31.3	61.9	16.6	75.3	24.1
2004	6	10	76.3	24.6	60.7	15.9	67.8	19.9
2004	6	11	63.9	17.7	55.5	13.1	60.0	15.6
2004	6	12	73.5	23.1	46.4	8.0	60.5	15.8

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	13	65.8	18.8	52.0	11.1	61.2	16.2
2004	6	14	82.2	27.9	61.0	16.1	70.3	21.3
2004	6	15	84.2	29.0	65.8	18.8	72.6	22.6
2004	6	16	84.9	29.4	63.8	17.7	74.0	23.3
2004	6	17	83.0	28.3	68.5	20.3	74.1	23.4
2004	6	18	84.1	28.9	68.0	20.0	74.0	23.3
2004	6	19	74.6	23.7	60.7	15.9	68.8	20.4
2004	6	20	68.8	20.4	50.5	10.3	59.8	15.4
2004	6	21	76.6	24.8	48.1	8.9	63.2	17.4
2004	6	22	76.3	24.6	63.2	17.3	69.0	20.5
2004	6	23	78.5	25.8	59.1	15.1	68.5	20.3
2004	6	24	82.4	28.0	56.7	13.7	69.9	21.1
2004	6	25	71.7	22.1	61.6	16.4	66.9	19.4
2004	6	26	72.7	22.6	61.3	16.3	66.4	19.1
2004	6	27	73.7	23.2	48.5	9.2	62.6	17.0
2004	6	28	70.1	21.2	51.0	10.6	60.9	16.1
2004	6	29	74.0	23.3	53.9	12.2	64.1	17.9
2004	6	30	79.5	26.4	54.2	12.3	67.0	19.5
2004	7	1	81.3	27.4	56.8	13.8	70.0	21.1
2004	7	2	81.9	27.7	59.0	15.0	68.8	20.5
2004	7	3	80.9	27.2	55.9	13.3	68.8	20.4
2004	7	4	80.5	26.9	62.2	16.8	72.6	22.5
2004	7	5	87.0	30.6	71.6	22.0	78.3	25.7
2004	7	6	80.0	26.7	63.3	17.4	70.8	21.6
2004	7	7	82.1	27.8	60.3	15.7	71.4	21.9
2004	7	8	79.8	26.6	67.6	19.8	72.5	22.5
2004	7	9	73.4	23.0	62.0	16.7	68.2	20.1
2004	7	10	80.2	26.8	55.8	13.2	67.5	19.7
2004	7	11	84.8	29.3	60.2	15.7	71.9	22.2
2004	7	12	71.1	21.7	66.2	19.0	68.1	20.0
2004	7	13	76.5	24.7	64.9	18.3	69.7	20.9
2004	7	14	72.4	22.4	63.9	17.7	66.8	19.3
2004	7	15	74.0	23.3	62.2	16.8	67.1	19.5
2004	7	16	72.4	22.4	62.5	16.9	66.2	19.0
2004	7	17	80.7	27.1	60.2	15.7	69.5	20.8
2004	7	18	70.0	21.1	62.4	16.9	66.1	19.0
2004	7	19	78.9	26.1	62.2	16.8	67.9	20.0
2004	7	20	79.4	26.3	62.7	17.1	68.9	20.5
2004	7	21	83.6	28.7	59.6	15.3	70.9	21.6
2004	7	22	85.5	29.7	64.0	17.8	74.0	23.3
2004	7	23	80.3	26.8	68.9	20.5	72.4	22.4
2004	7	24	74.7	23.7	61.4	16.3	68.4	20.2
2004	7	25	74.6	23.7	60.8	16.0	67.8	19.9
2004	7	26	74.5	23.6	60.9	16.1	68.3	20.2
2004	7	27	68.0	20.0	64.2	17.9	65.8	18.8
2004	7	28	78.9	26.1	63.4	17.4	68.0	20.0
2004	7	29	80.4	26.9	62.2	16.8	69.0	20.5
2004	7	30	84.2	29.0	62.2	16.8	73.3	23.0

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	31	84.9	29.4	69.3	20.7	75.9	24.4
2004	8	1	84.7	29.3	69.1	20.6	75.0	23.9
2004	8	2	84.7	29.3	66.2	19.0	74.7	23.7
2004	8	3	86.7	30.4	65.3	18.5	74.5	23.6
2004	8	4	81.4	27.4	65.1	18.4	70.8	21.5
2004	8	5	73.2	22.9	59.6	15.3	66.4	19.1
2004	8	6	65.4	18.6	48.9	9.4	58.2	14.6
2004	8	7	64.1	17.8	53.3	11.8	58.5	14.7
2004	8	8	76.9	24.9	53.9	12.2	63.6	17.5
2004	8	9	79.9	26.6	54.2	12.3	66.6	19.2
2004	8	10	82.3	27.9	59.4	15.2	71.1	21.7
2004	8	11	81.0	27.2	64.0	17.8	72.0	22.2
2004	8	12	72.4	22.4	64.9	18.3	68.4	20.2
2004	8	13	74.2	23.4	63.6	17.6	67.0	19.4
2004	8	14	73.6	23.1	61.0	16.1	66.7	19.3
2004	8	15	77.5	25.3	62.3	16.8	68.1	20.1
2004	8	16	75.2	24.0	59.6	15.3	65.8	18.8
2004	8	17	77.8	25.4	55.8	13.2	65.3	18.5
2004	8	18	79.7	26.5	60.1	15.6	68.7	20.4
2004	8	19	77.6	25.3	63.5	17.5	70.1	21.2
2004	8	20	85.0	29.4	64.3	17.9	71.7	22.1
2004	8	21	69.8	21.0	58.0	14.4	65.7	18.7
2004	8	22	72.3	22.4	49.9	9.9	60.0	15.6
2004	8	23	79.6	26.4	52.5	11.4	65.2	18.5
2004	8	24	78.1	25.6	62.5	16.9	69.8	21.0
2004	8	25	76.8	24.9	66.8	19.3	71.0	21.7
2004	8	26	78.6	25.9	60.3	15.7	69.1	20.6
2004	8	27	81.6	27.6	68.6	20.3	74.1	23.4
2004	8	28	86.1	30.1	66.7	19.3	73.3	22.9
2004	8	29	85.5	29.7	66.7	19.3	75.7	24.3
2004	8	30	82.0	27.8	68.4	20.2	74.1	23.4
2004	8	31	76.8	24.9	60.1	15.6	69.9	21.1
2004	9	1	77.6	25.3	56.1	13.4	65.1	18.4
2004	9	2	76.0	24.4	53.4	11.9	63.6	17.6
2004	9	3	78.3	25.7	56.1	13.4	66.4	19.1
2004	9	4	80.7	27.1	56.8	13.8	67.7	19.8
2004	9	5	69.5	20.8	61.1	16.2	64.9	18.3
2004	9	6	74.3	23.5	55.6	13.1	65.6	18.7
2004	9	7	80.2	26.8	63.2	17.3	71.5	21.9
2004	9	8	71.6	22.0	67.0	19.4	68.9	20.5
2004	9	9	79.7	26.5	66.3	19.1	73.3	22.9
2004	9	10	77.0	25.0	60.0	15.6	67.4	19.7
2004	9	11	74.7	23.7	55.5	13.1	63.9	17.7
2004	9	12	75.6	24.2	55.7	13.2	64.1	17.8
2004	9	13	79.4	26.3	57.0	13.9	65.1	18.4
2004	9	14	71.5	21.9	58.4	14.7	65.0	18.3
2004	9	15	72.2	22.3	58.1	14.5	64.6	18.1
2004	9	16	73.0	22.8	63.3	17.4	67.1	19.5

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	17	69.0	20.6	61.2	16.2	64.2	17.9
2004	9	18	62.4	16.9	53.4	11.9	58.8	14.9
2004	9	19	63.1	17.3	46.6	8.1	54.5	12.5
2004	9	20	68.8	20.4	42.5	5.8	53.8	12.1
2004	9	21	75.2	24.0	47.8	8.8	58.7	14.8
2004	9	22	80.0	26.7	48.0	8.9	60.8	16.0
2004	9	23	79.9	26.6	52.7	11.5	64.7	18.2
2004	9	24	80.0	26.7	58.0	14.4	67.0	19.5
2004	9	25	76.7	24.8	56.1	13.4	65.6	18.7
2004	9	26	70.7	21.5	54.5	12.5	64.2	17.9
2004	9	27	72.1	22.3	50.8	10.4	60.4	15.8
2004	9	28	64.1	17.8	61.5	16.4	63.4	17.4
2004	9	29	67.2	19.6	59.5	15.3	62.5	16.9
2004	9	30	66.5	19.2	50.0	10.0	59.7	15.4
2004	10	1	70.1	21.2	44.4	6.9	54.1	12.3
2004	10	2	65.6	18.7	51.9	11.1	61.0	16.1
2004	10	3	64.3	17.9	43.1	6.2	52.4	11.3
2004	10	4	69.2	20.7	40.9	4.9	53.6	12.0
2004	10	5	55.9	13.3	39.1	3.9	48.2	9.0
2004	10	6	62.3	16.8	34.9	1.6	46.1	7.8
2004	10	7	72.7	22.6	39.7	4.3	53.8	12.1
2004	10	8	75.3	24.1	46.9	8.3	58.4	14.7
2004	10	9	69.7	20.9	48.6	9.2	58.2	14.6
2004	10	10	56.9	13.8	45.8	7.7	51.3	10.7
2004	10	11	52.9	11.6	45.3	7.4	48.9	9.4
2004	10	12	62.2	16.8	42.2	5.7	50.0	10.0
2004	10	13	61.5	16.4	37.3	2.9	48.7	9.3
2004	10	14	53.3	11.8	49.4	9.7	51.2	10.7
2004	10	15	58.5	14.7	47.9	8.8	53.6	12.0
2004	10	16	55.3	12.9	40.7	4.8	47.3	8.5
2004	10	17	48.8	9.3	37.9	3.3	43.6	6.5
2004	10	18	54.8	12.7	42.7	5.9	47.8	8.8
2004	10	19	48.8	9.3	45.7	7.6	47.3	8.5
2004	10	20	51.2	10.7	46.1	7.8	48.5	9.2
2004	10	21	49.0	9.4	44.2	6.8	47.0	8.3
2004	10	22	54.5	12.5	40.0	4.4	47.3	8.5
2004	10	23	55.6	13.1	34.0	1.1	43.8	6.6
2004	10	24	49.8	9.9	37.9	3.3	45.0	7.2
2004	10	25	52.1	11.2	45.6	7.6	48.4	9.1
2004	10	26	54.5	12.5	44.3	6.8	49.9	9.9
2004	10	27	58.4	14.7	39.9	4.4	47.8	8.8
2004	10	28	60.5	15.8	38.6	3.7	49.0	9.5
2004	10	29	53.7	12.1	39.4	4.1	47.6	8.7
2004	10	30	65.7	18.7	51.9	11.1	58.1	14.5
2004	10	31	67.2	19.6	52.8	11.6	61.4	16.3
2004	11	1	57.0	13.9	46.2	7.9	51.4	10.8
2004	11	2	63.6	17.6	45.5	7.5	53.8	12.1
2004	11	4	44.7	7.1	30.9	-0.6	37.8	3.2

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	11	5	50.6	10.3	39.0	3.9	46.0	7.8
2004	11	6	57.9	14.4	34.8	1.6	46.0	7.8
2004	11	7	66.7	19.3	34.9	1.6	50.9	10.5
2004	11	8	54.3	12.4	38.6	3.7	42.8	6.0
2004	11	9	38.9	3.8	27.7	-2.4	33.6	0.9
2004	11	10	45.1	7.3	23.0	-5.0	34.2	1.2
2004	11	11	56.9	13.8	37.4	3.0	45.2	7.3
2004	11	12	41.8	5.4	35.3	1.8	37.0	2.8
2004	11	13	39.4	4.1	30.7	-0.7	35.1	1.7
2004	11	14	47.5	8.6	22.1	-5.5	33.2	0.7
2004	11	15	53.0	11.7	23.4	-4.8	35.3	1.8
2004	11	16	53.7	12.1	29.1	-1.6	39.2	4.0
2004	11	17	50.6	10.3	30.4	-0.9	40.3	4.6
2004	11	18	52.3	11.3	42.4	5.8	47.2	8.4
2004	11	19	56.2	13.4	46.9	8.3	50.5	10.3
2004	11	20	48.9	9.4	45.0	7.2	47.2	8.4
2004	11	21	55.9	13.3	46.5	8.1	49.4	9.7
2004	11	22	48.1	8.9	40.3	4.6	44.0	6.7
2004	11	23	50.9	10.5	34.0	1.1	43.4	6.4
2004	11	24	61.3	16.3	49.5	9.7	53.8	12.1
2004	11	25	63.3	17.4	33.8	1.0	50.4	10.2
2004	11	26	41.1	5.1	29.3	-1.5	34.7	1.5
2004	11	27	49.3	9.6	34.8	1.6	43.5	6.4
2004	11	28	54.2	12.3	44.2	6.8	49.9	9.9
2004	11	29	43.5	6.4	32.7	0.4	38.8	3.8
2004	11	30	50.2	10.1	33.3	0.7	40.8	4.9
2004	12	1	48.9	9.4	39.2	4.0	44.2	6.8
2004	12	2	41.1	5.1	29.0	-1.7	36.6	2.5
2004	12	3	42.2	5.7	26.1	-3.3	33.1	0.6
2004	12	4	42.6	5.9	21.7	-5.7	33.2	0.6
2004	12	5	51.5	10.8	34.8	1.6	42.2	5.7
2004	12	6	40.5	4.7	31.7	-0.2	36.1	2.3
2004	12	7	49.6	9.8	39.0	3.9	42.5	5.8
2004	12	8	53.8	12.1	37.7	3.2	48.3	9.1
2004	12	9	44.5	6.9	31.3	-0.4	37.9	3.3
2004	12	10	45.5	7.5	41.2	5.1	43.7	6.5
2004	12	11	46.8	8.2	39.3	4.1	42.4	5.8
2004	12	12	40.2	4.6	33.2	0.7	37.1	2.9
2004	12	13	39.8	4.3	31.1	-0.5	36.4	2.4
2004	12	14	33.1	0.6	23.6	-4.7	28.8	-1.8
2004	12	15	31.5	-0.3	18.9	-7.3	25.0	-3.9
2004	12	16	40.3	4.6	18.5	-7.5	28.9	-1.7
2004	12	17	37.8	3.2	25.5	-3.6	35.0	1.6
2004	12	18	38.2	3.4	18.6	-7.4	28.1	-2.1
2004	12	19	40.8	4.9	12.9	-10.6	27.6	-2.4
2004	12	20	11.6	-11.3	0.0	-17.8	5.9	-14.5
2004	12	21	31.8	-0.1	5.0	-15.0	17.8	-7.9
2004	12	22	48.8	9.3	18.1	-7.7	31.3	-0.4

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	23	57.6	14.2	34.5	1.4	48.3	9.1
2004	12	24	33.5	0.8	22.0	-5.6	27.9	-2.3
2004	12	25	23.4	-4.8	14.0	-10.0	19.5	-7.0
2004	12	26	27.4	-2.6	12.3	-10.9	19.8	-6.8
2004	12	27	26.7	-2.9	15.3	-9.3	19.5	-7.0
2004	12	28	28.3	-2.1	8.3	-13.2	18.3	-7.6
2004	12	29	36.2	2.3	27.6	-2.4	32.0	0.0
2004	12	30	40.9	4.9	32.6	0.3	36.9	2.7
2004	12	31	50.9	10.5	40.5	4.7	45.7	7.6
2005	1	1	56.2	13.4	36.2	2.3	46.2	7.9
2005	1	2	40.7	4.8	32.1	0.1	37.0	2.8
2005	1	3	44.3	6.8	39.0	3.9	41.7	5.4
2005	1	4	46.0	7.8	39.1	3.9	43.2	6.2
2005	1	5	38.5	3.6	29.4	-1.4	34.0	1.1
2005	1	6	35.5	1.9	30.1	-1.1	33.6	0.9
2005	1	7	37.2	2.9	29.8	-1.2	33.1	0.6
2005	1	8	38.4	3.6	30.7	-0.7	34.5	1.4
2005	1	9	35.3	1.8	30.4	-0.9	32.5	0.3
2005	1	10	42.1	5.6	33.3	0.7	37.2	2.9
2005	1	11	35.4	1.9	29.8	-1.2	32.2	0.1
2005	1	12	40.2	4.6	36.2	2.3	37.9	3.3
2005	1	13	64.9	18.3	37.7	3.2	50.1	10.1
2005	1	14	62.8	17.1	30.4	-0.9	41.9	5.5
2005	1	15	29.0	-1.7	20.4	-6.4	24.3	-4.3
2005	1	16	27.0	-2.8	20.3	-6.5	23.4	-4.8
2005	1	17	23.4	-4.8	13.5	-10.3	19.4	-7.0
2005	1	18	12.9	-10.6	5.0	-15.0	8.6	-13.0
2005	1	19	18.8	-7.3	5.1	-14.9	12.8	-10.6
2005	1	20	24.5	-4.2	15.4	-9.2	20.6	-6.4
2005	1	21	13.7	-10.2	1.7	-16.8	8.6	-13.0
2005	1	22	16.9	-8.4	-1.9	-18.8	7.4	-13.7
2005	1	23	15.2	-9.3	6.1	-14.4	11.2	-11.5
2005	1	24	17.3	-8.2	-0.9	-18.3	9.0	-12.8
2005	1	25	30.2	-1.0	17.0	-8.3	24.9	-3.9
2005	1	26	35.0	1.7	14.1	-9.9	28.1	-2.2
2005	1	27	15.0	-9.4	3.8	-15.7	9.1	-12.7
2005	1	28	20.0	-6.7	-7.0	-21.7	6.2	-14.3
2005	1	29	27.7	-2.4	-1.6	-18.7	13.8	-10.1
2005	1	30	38.3	3.5	23.7	-4.6	28.9	-1.7
2005	1	31	35.2	1.8	11.5	-11.4	23.5	-4.7
2005	2	1	37.0	2.8	8.3	-13.2	21.8	-5.7
2005	2	2	39.8	4.3	9.5	-12.5	23.1	-4.9
2005	2	3	40.0	4.4	20.8	-6.2	30.0	-1.1
2005	2	4	44.8	7.1	26.8	-2.9	34.9	1.6
2005	2	5	46.8	8.2	20.5	-6.4	32.4	0.2
2005	2	6	53.0	11.7	24.2	-4.3	35.6	2.0
2005	2	7	51.8	11.0	25.8	-3.4	37.2	2.9
2005	2	8	44.7	7.1	34.0	1.1	38.6	3.7

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	9	46.5	8.1	36.8	2.7	40.9	4.9
2005	2	10	41.2	5.1	28.5	-1.9	35.2	1.8
2005	2	11	38.7	3.7	23.8	-4.6	30.7	-0.7
2005	2	12	37.5	3.1	28.0	-2.2	32.6	0.4
2005	2	13	37.7	3.2	28.1	-2.2	32.7	0.4
2005	2	14	45.8	7.7	30.6	-0.8	36.7	2.6
2005	2	15	51.3	10.7	35.5	1.9	44.2	6.8
2005	2	16	49.1	9.5	32.7	0.4	39.7	4.3
2005	2	17	34.9	1.6	25.7	-3.5	29.8	-1.2
2005	2	18	25.8	-3.4	17.8	-7.9	22.0	-5.6
2005	2	19	28.6	-1.9	12.9	-10.6	20.9	-6.2
2005	2	20	33.5	0.8	23.6	-4.7	28.7	-1.8
2005	2	21	34.4	1.3	29.0	-1.7	32.0	0.0
2005	2	22	38.4	3.6	32.2	0.1	34.7	1.5
2005	2	23	33.7	0.9	25.7	-3.5	30.9	-0.6
2005	2	24	26.6	-3.0	20.5	-6.4	23.3	-4.8
2005	2	25	30.9	-0.6	17.8	-7.9	23.5	-4.8
2005	2	26	37.2	2.9	12.9	-10.6	25.5	-3.6
2005	2	27	32.2	0.1	15.3	-9.3	24.7	-4.1
2005	2	28	32.3	0.2	25.5	-3.6	28.2	-2.1
2005	3	1	33.2	0.7	24.7	-4.1	28.3	-2.1
2005	3	2	30.7	-0.7	22.4	-5.3	27.1	-2.7
2005	3	3	31.2	-0.4	16.6	-8.6	24.0	-4.4
2005	3	4	31.2	-0.4	13.9	-10.1	23.7	-4.6
2005	3	5	39.2	4.0	8.7	-12.9	24.2	-4.3
2005	3	6	45.9	7.7	16.9	-8.4	32.1	0.1
2005	3	7	58.3	14.6	30.0	-1.1	45.4	7.4
2005	3	8	50.0	10.0	15.7	-9.1	28.4	-2.0
2005	3	9	26.1	-3.3	12.9	-10.6	19.0	-7.2
2005	3	10	28.8	-1.8	6.4	-14.2	19.3	-7.1
2005	3	11	39.0	3.9	23.2	-4.9	30.5	-0.8
2005	3	12	36.4	2.4	24.6	-4.1	31.0	-0.6
2005	3	13	38.1	3.4	25.3	-3.7	32.1	0.0
2005	3	14	34.8	1.6	22.8	-5.1	29.1	-1.6
2005	3	15	40.4	4.7	21.6	-5.8	31.4	-0.3
2005	3	16	40.9	4.9	22.9	-5.1	32.7	0.4
2005	3	17	46.0	7.8	23.2	-4.9	34.0	1.1
2005	3	18	45.6	7.6	28.7	-1.8	37.1	2.9
2005	3	19	51.4	10.8	25.8	-3.4	38.2	3.4
2005	3	20	42.9	6.1	38.6	3.7	41.0	5.0
2005	3	21	40.7	4.8	36.2	2.3	38.7	3.7
2005	3	22	51.6	10.9	26.4	-3.1	38.7	3.7
2005	3	23	38.8	3.8	31.9	-0.1	35.3	1.9
2005	3	24	39.6	4.2	31.4	-0.3	35.3	1.8
2005	3	25	44.0	6.7	31.8	-0.1	38.1	3.4
2005	3	26	44.7	7.1	28.3	-2.1	36.9	2.7
2005	3	27	45.3	7.4	38.1	3.4	41.3	5.2
2005	3	28	46.0	7.8	36.5	2.5	40.9	4.9

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	29	45.7	7.6	38.2	3.4	43.4	6.3
2005	3	30	61.3	16.3	30.1	-1.1	44.5	7.0
2005	3	31	52.3	11.3	42.5	5.8	48.2	9.0
2005	4	1	63.1	17.3	44.4	6.9	52.7	11.5
2005	4	2	56.0	13.3	44.7	7.1	49.4	9.7
2005	4	3	51.5	10.8	34.0	1.1	39.4	4.1
2005	4	4	56.4	13.6	38.4	3.6	46.3	8.0
2005	4	5	63.2	17.3	33.0	0.6	49.3	9.6
2005	4	6	78.4	25.8	39.5	4.2	58.1	14.5
2005	4	7	75.4	24.1	47.6	8.7	61.1	16.1
2005	4	8	62.3	16.8	43.3	6.3	53.1	11.7
2005	4	9	65.5	18.6	36.6	2.6	51.9	11.1
2005	4	10	72.2	22.3	34.4	1.3	54.2	12.4
2005	4	11	58.7	14.8	42.9	6.1	52.1	11.2
2005	4	12	55.7	13.2	31.0	-0.6	43.9	6.6
2005	4	13	58.5	14.7	30.3	-0.9	45.7	7.6
2005	4	14	64.8	18.2	35.1	1.7	51.2	10.6
2005	4	15	59.8	15.4	40.0	4.4	49.1	9.5
2005	4	16	66.3	19.1	31.1	-0.5	49.2	9.5
2005	4	17	73.4	23.0	33.5	0.8	53.8	12.1
2005	4	18	72.7	22.6	40.6	4.8	57.8	14.3
2005	4	19	80.4	26.9	44.7	7.1	63.1	17.3
2005	4	20	81.0	27.2	52.9	11.6	68.9	20.5
2005	4	21	65.4	18.6	44.2	6.8	52.9	11.6
2005	4	22	55.2	12.9	34.5	1.4	45.2	7.3
2005	4	23	66.0	18.9	44.4	6.9	53.1	11.7
2005	4	24	50.4	10.2	36.1	2.3	41.4	5.2
2005	4	25	47.2	8.4	34.7	1.5	40.8	4.9
2005	4	26	68.4	20.2	35.9	2.2	53.8	12.1
2005	4	27	64.3	17.9	50.8	10.4	57.1	13.9
2005	4	28	57.1	13.9	44.5	6.9	50.5	10.3
2005	4	29	57.4	14.1	34.0	1.1	47.3	8.5
2005	4	30	57.5	14.2	48.7	9.3	53.2	11.8
2005	5	1	56.8	13.8	45.2	7.3	52.0	11.1
2005	5	2	51.3	10.7	34.5	1.4	42.9	6.0
2005	5	3	51.9	11.1	30.9	-0.6	41.7	5.4
2005	5	4	53.4	11.9	34.2	1.2	45.7	7.6
2005	5	7	65.8	18.8	35.2	1.8	52.8	11.6
2005	5	8	65.6	18.7	51.5	10.8	59.0	15.0
2005	5	9	77.9	25.5	43.4	6.3	63.0	17.2
2005	5	10	77.5	25.3	54.5	12.5	66.5	19.1
2005	5	11	86.1	30.1	53.0	11.7	70.3	21.3
2005	5	12	69.6	20.9	46.2	7.9	56.7	13.7
2005	5	13	67.3	19.6	33.6	0.9	51.9	11.0
2005	5	14	79.0	26.1	52.8	11.6	64.4	18.0
2005	5	15	71.8	22.1	59.8	15.4	65.1	18.4
2005	5	16	61.7	16.5	46.6	8.1	56.6	13.7
2005	5	17	62.1	16.7	42.0	5.6	53.3	11.8

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	18	65.4	18.6	39.5	4.2	53.0	11.7
2005	5	19	69.4	20.8	39.5	4.2	56.3	13.5
2005	5	20	59.8	15.4	47.3	8.5	53.6	12.0
2005	5	21	66.8	19.3	43.0	6.1	53.5	11.9
2005	5	22	56.7	13.7	49.4	9.7	52.6	11.4
2005	5	23	61.3	16.3	43.3	6.3	53.6	12.0
2005	5	24	56.9	13.8	50.4	10.2	53.5	12.0
2005	5	25	58.0	14.4	48.2	9.0	52.4	11.3
2005	5	26	73.4	23.0	49.2	9.6	62.1	16.7
2005	5	27	78.3	25.7	47.7	8.7	61.9	16.6
2005	5	28	68.4	20.2	47.6	8.7	56.4	13.6
2005	5	29	68.1	20.1	48.4	9.1	55.0	12.8
2005	5	30	68.3	20.2	44.3	6.8	54.6	12.6
2005	5	31	73.1	22.8	48.5	9.2	58.8	14.9
2005	6	1	77.3	25.2	52.7	11.5	66.6	19.2
2005	6	2	76.0	24.4	52.6	11.4	65.9	18.8
2005	6	3	62.0	16.7	57.0	13.9	60.0	15.5
2005	6	4	72.8	22.7	59.6	15.3	65.5	18.6
2005	6	5	84.5	29.2	59.3	15.2	70.3	21.3
2005	6	6	86.0	30.0	62.7	17.1	69.1	20.6
2005	6	7	87.0	30.6	61.7	16.5	71.9	22.2
2005	6	8	90.6	32.6	61.2	16.2	76.2	24.6
2005	6	9	87.0	30.6	64.4	18.0	75.7	24.3
2005	6	10	83.4	28.6	70.3	21.3	76.5	24.7
2005	6	11	85.3	29.6	72.5	22.5	78.7	25.9
2005	6	12	86.6	30.3	72.4	22.4	79.0	26.1
2005	6	13	89.0	31.7	65.1	18.4	77.9	25.5
2005	6	14	90.3	32.4	71.3	21.8	80.5	26.9
2005	6	15	79.2	26.2	65.2	18.4	74.0	23.3
2005	6	16	72.9	22.7	57.2	14.0	65.2	18.5
2005	6	17	69.1	20.6	51.6	10.9	60.2	15.7
2005	6	18	66.7	19.3	55.4	13.0	61.2	16.2
2005	6	19	69.6	20.9	54.3	12.4	61.7	16.5
2005	6	20	76.5	24.7	54.2	12.3	65.6	18.7
2005	6	21	80.0	26.7	54.3	12.4	68.0	20.0
2005	6	22	77.5	25.3	57.8	14.3	67.6	19.8
2005	6	23	78.4	25.8	46.7	8.2	63.7	17.6
2005	6	24	85.2	29.6	51.7	10.9	70.1	21.2
2005	6	25	90.4	32.4	60.3	15.7	76.0	24.4
2005	6	26	92.4	33.6	65.3	18.5	77.6	25.3
2005	6	27	89.1	31.7	66.9	19.4	77.5	25.3
2005	6	28	91.3	32.9	70.0	21.1	79.8	26.6
2005	6	29	85.9	29.9	69.9	21.1	77.6	25.4
2005	6	30	85.1	29.5	68.0	20.0	74.7	23.7
2005	7	1	85.3	29.6	65.0	18.3	75.3	24.0
2005	7	2	75.3	24.1	61.8	16.6	70.1	21.2
2005	7	3	79.2	26.2	53.4	11.9	68.1	20.0
2005	7	4	84.4	29.1	59.5	15.3	74.0	23.3

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	5	80.2	26.8	67.6	19.8	74.5	23.6
2005	7	6	79.7	26.5	67.0	19.4	72.6	22.6
2005	7	7	75.9	24.4	67.0	19.4	70.7	21.5
2005	7	8	69.5	20.8	63.8	17.7	66.5	19.2
2005	7	9	76.8	24.9	59.9	15.5	66.9	19.4
2005	7	10	87.1	30.6	60.8	16.0	73.2	22.9
2005	7	11	88.0	31.1	56.5	13.6	72.7	22.6
2005	7	12	89.1	31.7	66.0	18.9	77.5	25.3
2005	7	13	89.1	31.7	67.4	19.7	75.3	24.0
2005	7	14	83.9	28.8	67.2	19.6	75.4	24.1
2005	7	15	84.7	29.3	69.5	20.8	77.5	25.3
2005	7	16	83.2	28.4	72.8	22.7	76.5	24.7
2005	7	17	84.4	29.1	73.3	22.9	77.9	25.5
2005	7	18	87.2	30.7	73.9	23.3	80.0	26.7
2005	7	19	88.5	31.4	69.4	20.8	77.6	25.3
2005	7	20	86.0	30.0	67.2	19.6	75.7	24.3
2005	7	21	87.6	30.9	62.2	16.8	74.4	23.6
2005	7	22	85.9	29.9	66.4	19.1	75.1	23.9
2005	7	23	82.1	27.8	64.6	18.1	73.0	22.8
2005	7	24	82.8	28.2	55.3	12.9	70.5	21.4
2005	7	25	89.7	32.1	66.1	18.9	76.1	24.5
2005	7	26	91.0	32.8	63.3	17.4	77.1	25.1
2005	7	27	87.9	31.1	67.7	19.8	74.5	23.6
2005	7	28	78.7	25.9	58.1	14.5	68.3	20.2
2005	7	29	81.8	27.7	56.7	13.7	69.0	20.6
2005	7	30	85.2	29.6	59.9	15.5	73.1	22.8
2005	7	31	85.3	29.6	63.0	17.2	74.1	23.4
2005	8	1	86.7	30.4	64.8	18.2	75.8	24.3
2005	8	2	91.3	32.9	66.9	19.4	77.7	25.4
2005	8	3	92.7	33.7	64.5	18.1	78.5	25.8
2005	8	4	94.3	34.6	66.7	19.3	80.3	26.8
2005	8	5	86.0	30.0	68.5	20.3	74.5	23.6
2005	8	6	81.8	27.7	59.4	15.2	70.6	21.4
2005	8	7	84.4	29.1	62.7	17.1	71.9	22.1
2005	8	8	77.9	25.5	67.8	19.9	71.6	22.0
2005	8	9	80.9	27.2	65.6	18.7	72.2	22.4
2005	8	10	87.6	30.9	64.4	18.0	75.2	24.0
2005	8	11	90.2	32.3	68.3	20.2	78.3	25.7
2005	8	12	91.9	33.3	67.6	19.8	77.4	25.2
2005	8	13	95.8	35.4	69.3	20.7	80.8	27.1
2005	8	14	93.7	34.3	70.2	21.2	79.8	26.6
2005	8	15	81.0	27.2	67.7	19.8	73.6	23.1
2005	8	16	72.4	22.4	66.7	19.3	69.9	21.0
2005	8	17	82.9	28.3	66.1	18.9	73.7	23.2
2005	8	18	84.0	28.9	56.4	13.6	71.3	21.8
2005	8	19	72.6	22.6	65.1	18.4	69.3	20.7
2005	8	20	84.5	29.2	68.3	20.2	75.1	23.9
2005	8	21	88.7	31.5	69.8	21.0	79.0	26.1

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	79.5	26.4	59.8	15.4	69.9	21.1
2005	8	23	75.7	24.3	53.5	11.9	65.5	18.6
2005	8	24	76.1	24.5	54.3	12.4	66.5	19.2
2005	8	25	81.0	27.2	50.5	10.3	65.6	18.7
2005	8	26	79.7	26.5	56.1	13.4	67.5	19.7
2005	8	27	76.6	24.8	56.0	13.3	67.6	19.8
2005	8	28	78.5	25.8	66.1	18.9	70.3	21.3
2005	8	29	81.1	27.3	62.8	17.1	71.4	21.9
2005	8	30	77.9	25.5	71.9	22.2	74.7	23.7
2005	8	31	80.6	27.0	66.3	19.1	75.2	24.0
2005	9	1	79.6	26.4	62.1	16.7	69.9	21.1
2005	9	2	84.2	29.0	56.1	13.4	70.2	21.2
2005	9	3	76.2	24.6	55.1	12.8	66.6	19.2
2005	9	4	76.2	24.6	52.7	11.5	63.9	17.7
2005	9	5	80.0	26.7	52.4	11.3	65.3	18.5
2005	9	6	82.1	27.8	53.3	11.8	66.7	19.3
2005	9	7	83.1	28.4	53.3	11.8	67.5	19.7
2005	9	8	80.1	26.7	52.8	11.6	65.8	18.8
2005	9	9	79.2	26.2	58.2	14.6	67.0	19.4
2005	9	10	79.2	26.2	52.2	11.2	65.2	18.5
2005	9	11	80.8	27.1	46.0	7.8	62.8	17.1
2005	9	12	87.1	30.6	49.4	9.7	67.3	19.6
2005	9	13	89.9	32.2	57.7	14.3	72.6	22.5
2005	9	14	86.1	30.1	56.2	13.4	69.9	21.0
2005	9	15	88.9	31.6	68.3	20.2	77.4	25.2
2005	9	16	85.9	29.9	69.7	20.9	76.8	24.9
2005	9	17	77.8	25.4	63.1	17.3	71.0	21.7
2005	9	18	78.5	25.8	56.3	13.5	66.2	19.0
2005	9	19	82.2	27.9	54.7	12.6	67.3	19.6
2005	9	20	78.9	26.1	61.4	16.3	71.5	21.9
2005	9	21	80.9	27.2	52.4	11.3	66.6	19.2
2005	9	22	85.2	29.6	50.9	10.5	68.9	20.5
2005	9	23	79.6	26.4	61.4	16.3	69.9	21.1
2005	9	24	73.9	23.3	48.8	9.3	62.8	17.1
2005	9	25	70.4	21.3	62.6	17.0	66.5	19.2
2005	9	26	71.9	22.2	68.2	20.1	69.4	20.8
2005	9	27	69.0	20.6	50.5	10.3	63.0	17.2
2005	9	28	73.2	22.9	41.7	5.4	58.3	14.6
2005	9	29	67.4	19.7	46.9	8.3	61.4	16.4
2005	9	30	65.3	18.5	39.6	4.2	51.3	10.7
2005	10	1	74.3	23.5	41.3	5.2	56.1	13.4
2005	10	2	80.3	26.8	47.3	8.5	61.3	16.3
2005	10	3	80.7	27.1	49.9	9.9	63.6	17.5
2005	10	4	74.5	23.6	50.1	10.1	60.3	15.7
2005	10	5	79.7	26.5	56.6	13.7	66.6	19.2
2005	10	6	74.2	23.4	54.3	12.4	64.7	18.2
2005	10	7	71.8	22.1	67.5	19.7	69.6	20.9
2005	10	8	67.4	19.7	49.6	9.8	56.0	13.3

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	9	55.3	12.9	48.8	9.3	51.8	11.0
2005	10	10	61.1	16.2	51.0	10.6	55.6	13.1
2005	10	11	62.0	16.7	58.3	14.6	59.7	15.4
2005	10	12	58.1	14.5	51.3	10.7	54.9	12.7
2005	10	13	57.8	14.3	50.9	10.5	54.5	12.5
2005	10	14	62.0	16.7	56.3	13.5	58.7	14.9
2005	10	15	68.4	20.2	51.7	10.9	59.8	15.4
2005	10	16	58.9	14.9	49.3	9.6	54.5	12.5
2005	10	17	60.8	16.0	45.6	7.6	53.0	11.6
2005	10	18	68.1	20.1	45.0	7.2	55.5	13.1
2005	10	19	72.4	22.4	39.3	4.1	56.1	13.4
2005	10	20	56.0	13.3	41.7	5.4	48.7	9.3
2005	10	21	52.9	11.6	45.3	7.4	48.8	9.3
2005	10	22	50.2	10.1	43.6	6.4	46.0	7.8
2005	10	23	52.4	11.3	41.4	5.2	46.9	8.3
2005	10	24	46.3	7.9	35.9	2.2	41.0	5.0
2005	10	25	43.0	6.1	38.0	3.3	39.5	4.1
2005	10	29	49.3	9.6	35.0	1.7	41.6	5.4
2005	10	30	61.8	16.6	36.4	2.4	47.1	8.4
2005	10	31	65.5	18.6	31.3	-0.4	46.0	7.8
2005	11	1	66.7	19.3	34.5	1.4	50.0	10.0
2005	11	2	55.1	12.8	36.5	2.5	46.9	8.3
2005	11	3	64.8	18.2	31.3	-0.4	47.3	8.5
2005	11	4	72.9	22.7	36.5	2.5	53.8	12.1
2005	11	5	71.3	21.8	44.7	7.1	56.3	13.5
2005	11	6	72.4	22.4	47.4	8.6	57.8	14.3
2005	11	7	58.6	14.8	44.0	6.7	51.8	11.0
2005	11	8	60.2	15.7	35.6	2.0	46.5	8.1
2005	11	9	58.9	14.9	39.0	3.9	48.6	9.2
2005	11	10	56.2	13.4	41.5	5.3	47.6	8.7
2005	11	11	45.0	7.2	30.9	-0.6	40.7	4.8
2005	11	12	58.1	14.5	27.1	-2.7	39.9	4.4
2005	11	13	63.2	17.3	32.9	0.5	48.5	9.2
2005	11	14	60.3	15.7	42.0	5.6	53.3	11.8
2005	11	15	64.8	18.2	43.2	6.2	51.6	10.9
2005	11	16	67.1	19.5	42.4	5.8	58.3	14.6
2005	11	17	40.8	4.9	30.0	-1.1	36.0	2.2
2005	11	18	35.3	1.8	27.5	-2.5	30.0	-1.1
2005	11	19	45.3	7.4	23.5	-4.7	33.2	0.7
2005	11	20	54.5	12.5	25.3	-3.7	36.8	2.7
2005	11	21	45.1	7.3	27.8	-2.3	36.2	2.3
2005	11	22	43.5	6.4	30.9	-0.6	38.6	3.7
2005	11	23	31.5	-0.3	23.8	-4.6	28.2	-2.1
2005	11	24	39.2	4.0	18.9	-7.3	30.9	-0.6
2005	11	25	30.1	-1.1	16.6	-8.6	22.2	-5.5
2005	11	26	36.9	2.7	16.8	-8.4	28.1	-2.2
2005	11	27	48.9	9.4	29.6	-1.3	39.8	4.3
2005	11	28	63.5	17.5	43.6	6.4	55.1	12.8

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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	29	67.5	19.7	50.0	10.0	62.1	16.7
2005	11	30	49.4	9.7	39.5	4.2	43.5	6.4
2005	12	1	39.3	4.1	31.9	-0.1	36.1	2.3
2005	12	2	34.8	1.6	27.1	-2.7	32.3	0.2
2005	12	3	30.5	-0.8	25.1	-3.8	27.4	-2.6
2005	12	4	32.2	0.1	24.6	-4.1	28.1	-2.2
2005	12	5	32.1	0.1	23.4	-4.8	27.5	-2.5
2005	12	6	31.6	-0.2	23.7	-4.6	27.2	-2.7
2005	12	7	28.2	-2.1	18.6	-7.4	23.6	-4.7
2005	12	8	27.7	-2.4	11.3	-11.5	21.2	-6.0
2005	12	9	32.7	0.4	22.3	-5.4	27.3	-2.6
2005	12	10	30.5	-0.8	19.4	-7.0	26.0	-3.3
2005	12	11	29.7	-1.3	11.1	-11.6	21.5	-5.9
2005	12	12	31.7	-0.2	19.9	-6.7	28.5	-1.9
2005	12	13	21.7	-5.7	2.7	-16.3	12.5	-10.8
2005	12	14	18.6	-7.4	-3.1	-19.5	8.5	-13.1
2005	12	15	34.6	1.4	6.6	-14.1	18.6	-7.5
2005	12	16	42.1	5.6	31.1	-0.5	36.0	2.2
2005	12	17	33.3	0.7	22.0	-5.6	28.7	-1.8
2005	12	18	34.4	1.3	17.2	-8.2	24.5	-4.1
2005	12	19	28.0	-2.2	18.7	-7.4	23.7	-4.6
2005	12	20	24.9	-3.9	14.1	-9.9	19.6	-6.9
2005	12	21	28.0	-2.2	14.5	-9.7	22.6	-5.2
2005	12	22	34.2	1.2	26.3	-3.2	29.4	-1.5
2005	12	23	44.0	6.7	27.9	-2.3	34.9	1.6
2005	12	24	50.5	10.3	26.4	-3.1	34.3	1.3
2005	12	25	44.5	6.9	26.0	-3.3	34.3	1.3
2005	12	26	39.6	4.2	34.8	1.6	36.7	2.6
2005	12	27	42.0	5.6	30.5	-0.8	37.4	3.0
2005	12	28	45.4	7.4	26.9	-2.8	35.5	2.0
2005	12	29	45.0	7.2	40.3	4.6	42.8	6.0
2005	12	30	42.8	6.0	31.2	-0.4	37.0	2.8
2005	12	31	34.5	1.4	29.2	-1.6	31.6	-0.3
2006	1	1	36.9	2.7	32.0	0.0	33.9	1.0
2006	1	2	39.2	4.0	31.3	-0.4	34.8	1.6
2006	1	3	39.3	4.1	34.7	1.5	37.0	2.8
2006	1	4	39.5	4.2	31.7	-0.2	36.2	2.3
2006	1	5	43.1	6.2	36.1	2.3	39.1	3.9
2006	1	6	38.2	3.4	24.6	-4.1	32.9	0.5
2006	1	7	30.0	-1.1	22.0	-5.6	26.3	-3.2
2006	1	8	39.9	4.4	29.8	-1.2	34.9	1.6
2006	1	9	54.8	12.7	31.7	-0.2	42.7	6.0
2006	1	10	45.6	7.6	31.3	-0.4	39.6	4.2
2006	1	11	48.2	9.0	33.4	0.8	43.1	6.1
2006	1	12	53.3	11.8	34.9	1.6	43.8	6.6
2006	1	13	58.4	14.7	30.2	-1.0	41.6	5.3
2006	1	14	59.5	15.3	29.4	-1.4	46.6	8.1
2006	1	15	28.3	-2.1	16.0	-8.9	22.0	-5.5

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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)
2006	1	16	28.7	-1.8	12.9	-10.6	19.1	-7.2
2006	1	17	41.1	5.1	17.3	-8.2	27.9	-2.3
2006	1	18	59.6	15.3	33.6	0.9	43.5	6.4
2006	1	19	40.6	4.8	27.7	-2.4	33.5	0.8
2006	1	20	56.1	13.4	28.1	-2.2	40.1	4.5
2006	1	21	56.5	13.6	36.7	2.6	44.9	7.2
2006	1	22	39.0	3.9	25.9	-3.4	33.8	1.0
2006	1	23	37.8	3.2	31.0	-0.6	34.2	1.2
2006	1	24	42.2	5.7	25.3	-3.7	33.6	0.9
2006	1	25	36.2	2.3	31.0	-0.6	34.0	1.1
2006	1	26	31.2	-0.4	22.9	-5.1	26.9	-2.9
2006	1	27	37.7	3.2	12.4	-10.9	24.2	-4.3
2006	1	28	53.3	11.8	25.2	-3.8	35.4	1.9
2006	1	29	45.4	7.4	30.0	-1.1	36.9	2.7
2006	1	30	55.4	13.0	32.2	0.1	41.7	5.4
2006	1	31	48.3	9.1	36.9	2.7	41.9	5.5
2006	2	1	37.6	3.1	33.9	1.1	35.5	2.0
2006	2	2	48.0	8.9	30.9	-0.6	39.4	4.1
2006	2	3	51.5	10.8	42.0	5.6	47.5	8.6
2006	2	4	51.7	10.9	32.0	0.0	41.7	5.4
2006	2	5	45.5	7.5	33.0	0.6	38.6	3.6
2006	2	6	34.7	1.5	28.2	-2.1	32.0	0.0
2006	2	7	34.7	1.5	30.4	-0.9	32.2	0.1
2006	2	8	31.0	-0.6	23.7	-4.6	27.7	-2.4
2006	2	9	30.4	-0.9	19.4	-7.0	25.0	-3.9
2006	2	10	32.2	0.1	23.7	-4.6	27.4	-2.6
2006	2	11	37.6	3.1	24.1	-4.4	30.2	-1.0
2006	2	12	29.4	-1.4	22.9	-5.1	26.7	-3.0
2006	2	13	32.2	0.1	14.4	-9.8	24.5	-4.2
2006	2	14	42.0	5.6	26.1	-3.3	33.1	0.6
2006	2	15	56.4	13.6	24.9	-3.9	39.3	4.1
2006	2	16	63.6	17.6	30.9	-0.6	46.0	7.8
2006	2	17	55.0	12.8	29.9	-1.2	45.4	7.5
2006	2	18	28.6	-1.9	12.4	-10.9	22.1	-5.5
2006	2	19	25.8	-3.4	9.9	-12.3	16.7	-8.5
2006	2	20	32.9	0.5	18.6	-7.4	24.8	-4.0
2006	2	21	37.6	3.1	21.7	-5.7	28.8	-1.8
2006	2	22	44.7	7.1	20.3	-6.5	31.7	-0.2
2006	2	23	44.9	7.2	31.8	-0.1	36.3	2.4
2006	2	24	35.5	1.9	24.1	-4.4	30.9	-0.6
2006	2	25	48.3	9.1	22.0	-5.6	32.8	0.4
2006	2	26	27.4	-2.6	17.6	-8.0	20.7	-6.3
2006	2	27	27.9	-2.3	14.1	-9.9	20.2	-6.6
2006	2	28	32.4	0.2	16.5	-8.6	24.2	-4.4
2006	3	1	40.3	4.6	25.3	-3.7	30.5	-0.8
2006	3	2	31.2	-0.4	21.7	-5.7	26.9	-2.8
2006	3	3	29.8	-1.2	22.2	-5.4	25.5	-3.6
2006	3	4	39.2	4.0	23.7	-4.6	30.4	-0.9

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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)
2006	3	5	44.5	6.9	27.1	-2.7	35.5	1.9
2006	3	6	40.4	4.7	28.8	-1.8	34.2	1.2
2006	3	7	39.7	4.3	20.1	-6.6	30.8	-0.7
2006	3	8	46.1	7.8	19.3	-7.1	33.9	1.0
2006	3	9	55.8	13.2	39.8	4.3	46.7	8.2
2006	3	10	68.0	20.0	49.5	9.7	59.5	15.3
2006	3	11	60.6	15.9	37.6	3.1	51.5	10.9
2006	3	12	55.6	13.1	49.0	9.4	51.9	11.1
2006	3	13	74.1	23.4	49.0	9.4	59.3	15.2
2006	3	14	58.1	14.5	36.4	2.4	47.1	8.4
2006	3	15	40.3	4.6	32.2	0.1	36.1	2.3
2006	3	16	46.4	8.0	31.7	-0.2	38.1	3.4
2006	3	17	41.4	5.2	28.2	-2.1	34.0	1.1
2006	3	18	37.4	3.0	24.6	-4.1	31.1	-0.5
2006	3	19	38.5	3.6	26.9	-2.8	32.5	0.3
2006	3	20	35.2	1.8	24.9	-3.9	31.4	-0.3
2006	3	21	39.8	4.3	20.2	-6.6	29.9	-1.2
2006	3	22	38.5	3.6	27.8	-2.3	33.4	0.8
2006	3	23	43.8	6.6	31.5	-0.3	36.6	2.5
2006	3	24	40.1	4.5	24.0	-4.4	32.8	0.5
2006	3	25	42.8	6.0	32.3	0.2	36.2	2.3
2006	3	26	45.3	7.4	33.1	0.6	39.0	3.9
2006	3	27	54.2	12.3	30.9	-0.6	43.2	6.2
2006	3	28	55.0	12.8	30.6	-0.8	43.7	6.5
2006	3	29	61.5	16.4	33.0	0.6	48.1	9.0
2006	3	30	64.6	18.1	31.6	-0.2	49.7	9.8
2006	3	31	74.7	23.7	36.7	2.6	57.1	14.0
2006	4	1	65.3	18.5	54.0	12.2	59.4	15.2
2006	4	2	61.9	16.6	42.6	5.9	51.6	10.9
2006	4	3	55.5	13.1	41.4	5.2	49.2	9.5
2006	4	4	48.0	8.9	39.6	4.2	44.3	6.8
2006	4	5	41.0	5.0	28.8	-1.8	36.4	2.4
2006	4	6	52.2	11.2	37.7	3.2	42.9	6.1
2006	4	7	54.6	12.6	33.3	0.7	44.9	7.2
2006	4	8	53.5	11.9	34.3	1.3	40.5	4.7
2006	4	9	52.9	11.6	25.5	-3.6	40.4	4.6
2006	4	10	59.9	15.5	29.0	-1.7	44.6	7.0
2006	4	11	72.0	22.2	36.8	2.7	55.9	13.3
2006	4	12	68.9	20.5	50.9	10.5	61.1	16.2
2006	4	13	69.4	20.8	48.8	9.3	59.5	15.3
2006	4	14	57.2	14.0	44.1	6.7	50.9	10.5
2006	4	15	76.1	24.5	48.5	9.2	61.3	16.3
2006	4	16	64.3	17.9	47.6	8.7	54.3	12.4
2006	4	17	61.2	16.2	34.9	1.6	50.0	10.0
2006	4	18	68.9	20.5	48.3	9.1	57.5	14.2
2006	4	19	72.1	22.3	41.2	5.1	58.6	14.8
2006	4	20	80.3	26.8	40.5	4.7	61.6	16.4
2006	4	21	65.6	18.7	49.1	9.5	56.5	13.6

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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)
2006	4	22	46.8	8.2	41.8	5.4	43.9	6.6
2006	4	23	61.5	16.4	42.6	5.9	50.0	10.0
2006	4	24	62.6	17.0	45.5	7.5	54.3	12.4
2006	4	25	68.8	20.4	42.3	5.7	52.8	11.5
2006	4	26	57.9	14.4	31.4	-0.3	45.5	7.5
2006	4	27	67.1	19.5	34.7	1.5	52.0	11.1
2006	4	28	61.0	16.1	36.0	2.2	50.8	10.4
2006	4	29	65.7	18.7	34.4	1.3	51.1	10.6
2006	4	30	72.2	22.3	35.5	1.9	55.0	12.8
2006	5	1	72.1	22.3	39.2	4.0	57.6	14.2
2006	5	2	73.6	23.1	39.3	4.1	57.7	14.3
2006	5	3	70.5	21.4	44.8	7.1	58.5	14.7
2006	5	4	80.0	26.7	43.2	6.2	63.3	17.4
2006	5	5	73.7	23.2	59.0	15.0	66.0	18.9
2006	5	6	68.6	20.3	48.4	9.1	57.1	13.9
2006	5	7	65.7	18.7	35.9	2.2	52.3	11.3
2006	5	8	67.3	19.6	47.8	8.8	57.6	14.2
2006	5	9	70.2	21.2	46.7	8.2	58.8	14.9
2006	5	10	76.5	24.7	47.3	8.5	63.7	17.6
2006	5	11	62.5	16.9	57.2	14.0	59.6	15.3
2006	5	12	69.6	20.9	51.2	10.7	59.6	15.3
2006	5	13	68.3	20.2	48.2	9.0	57.3	14.0
2006	5	14	65.1	18.4	51.8	11.0	57.1	14.0
2006	5	15	57.2	14.0	48.8	9.3	52.6	11.4
2006	5	16	59.4	15.2	49.8	9.9	54.2	12.3
2006	5	17	67.3	19.6	51.7	10.9	58.4	14.7
2006	5	18	66.5	19.2	46.5	8.1	55.3	13.0
2006	5	19	56.2	13.4	45.7	7.6	49.7	9.8
2006	5	20	60.7	15.9	46.0	7.8	54.7	12.6
2006	5	21	60.0	15.6	39.5	4.2	50.3	10.2
2006	5	22	55.2	12.9	45.9	7.7	49.4	9.7
2006	5	23	63.9	17.7	40.5	4.7	53.2	11.8
2006	5	26	73.5	23.1	51.3	10.7	62.3	16.8
2006	5	27	76.1	24.5	60.4	15.8	67.6	19.8
2006	5	28	82.6	28.1	52.7	11.5	66.4	19.1
2006	5	29	90.1	32.3	54.0	12.2	72.4	22.4
2006	5	30	92.6	33.7	64.3	17.9	77.2	25.1
2006	5	31	87.8	31.0	63.0	17.2	74.4	23.6
2006	6	1	83.8	28.8	66.5	19.2	75.2	24.0
2006	6	2	72.3	22.4	63.8	17.7	68.2	20.1
2006	6	3	63.8	17.7	58.1	14.5	61.4	16.3
2006	6	4	62.1	16.7	56.2	13.4	59.0	15.0
2006	6	5	71.5	21.9	54.2	12.3	61.9	16.6
2006	6	6	74.2	23.4	51.4	10.8	64.2	17.9
2006	6	7	65.6	18.7	54.4	12.4	59.7	15.4
2006	6	8	67.4	19.7	55.3	12.9	60.4	15.8
2006	6	9	68.5	20.3	55.3	12.9	60.5	15.8
2006	6	10	64.9	18.3	53.2	11.8	57.9	14.4

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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)
2006	6	11	70.2	21.2	47.5	8.6	58.6	14.8
2006	6	12	64.3	17.9	47.8	8.8	57.9	14.4
2006	6	13	77.6	25.3	52.5	11.4	65.3	18.5
2006	6	14	73.2	22.9	57.6	14.2	63.2	17.3
2006	6	15	75.9	24.4	53.7	12.1	65.4	18.6
2006	6	16	80.5	26.9	47.7	8.7	64.9	18.3
2006	6	17	85.4	29.7	53.2	11.8	69.9	21.0
2006	6	18	89.7	32.1	58.9	14.9	75.7	24.3
2006	6	19	86.4	30.2	65.0	18.3	73.1	22.8
2006	6	20	80.9	27.2	64.9	18.3	71.1	21.7
2006	6	21	80.2	26.8	57.8	14.3	69.8	21.0
2006	6	22	85.5	29.7	64.6	18.1	74.0	23.3
2006	6	23	73.3	22.9	65.2	18.4	68.2	20.1
2006	6	24	77.5	25.3	65.7	18.7	70.6	21.4
2006	6	25	71.3	21.8	66.4	19.1	68.8	20.4
2006	6	26	80.1	26.7	67.2	19.6	71.6	22.0
2006	6	27	79.5	26.4	67.5	19.7	72.1	22.3
2006	6	28	81.5	27.5	66.7	19.3	73.1	22.8
2006	6	29	80.8	27.1	59.5	15.3	70.7	21.5
2006	6	30	78.0	25.6	57.8	14.3	64.9	18.3
2006	7	1	81.4	27.4	54.2	12.3	67.6	19.8
2006	7	2	85.7	29.8	63.1	17.3	71.4	21.9
2006	7	3	84.2	29.0	66.5	19.2	74.4	23.5
2006	7	4	80.2	26.8	67.7	19.8	73.4	23.0
2006	7	5	79.7	26.5	68.1	20.1	72.3	22.4
2006	7	6	73.6	23.1	58.9	14.9	66.9	19.4
2006	7	7	78.0	25.6	53.0	11.7	65.3	18.5
2006	7	8	78.3	25.7	56.9	13.8	68.1	20.0
2006	7	9	80.8	27.1	59.5	15.3	70.1	21.2
2006	7	10	81.7	27.6	58.9	14.9	71.4	21.9
2006	7	11	85.4	29.7	68.1	20.1	78.1	25.6
2006	7	12	81.0	27.2	70.4	21.3	74.3	23.5
2006	7	13	81.1	27.3	67.3	19.6	74.1	23.4
2006	7	14	87.1	30.6	63.0	17.2	74.7	23.7
2006	7	15	82.7	28.2	66.9	19.4	72.9	22.7
2006	7	16	90.5	32.5	66.7	19.3	77.1	25.1
2006	7	17	92.4	33.6	67.2	19.6	78.9	26.1
2006	7	18	90.2	32.3	68.8	20.4	79.5	26.4
2006	7	19	86.9	30.5	68.3	20.2	77.4	25.2
2006	7	20	85.6	29.8	68.8	20.4	76.6	24.8
2006	7	21	86.4	30.2	70.4	21.3	75.4	24.1
2006	7	22	82.2	27.9	67.7	19.8	72.0	22.2
2006	7	23	76.6	24.8	63.0	17.2	69.5	20.8
2006	7	24	81.2	27.3	59.0	15.0	69.5	20.8
2006	7	25	84.8	29.3	60.9	16.1	73.6	23.1
2006	7	26	86.3	30.2	64.0	17.8	76.0	24.4
2006	7	27	87.6	30.9	68.6	20.3	75.3	24.0
2006	7	28	81.8	27.7	68.7	20.4	74.7	23.7

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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)
2006	7	29	86.7	30.4	66.2	19.0	76.2	24.5
2006	7	30	86.4	30.2	70.4	21.3	78.1	25.6
2006	7	31	89.0	31.7	67.5	19.7	78.2	25.7
2006	8	1	93.6	34.2	72.1	22.3	82.6	28.1
2006	8	2	93.6	34.2	74.8	23.8	83.8	28.8
2006	8	3	93.3	34.1	72.5	22.5	80.0	26.6
2006	8	4	83.9	28.8	66.3	19.1	75.7	24.3
2006	8	5	81.6	27.6	60.0	15.6	70.9	21.6
2006	8	6	84.4	29.1	58.0	14.4	71.8	22.1
2006	8	7	85.0	29.4	68.2	20.1	76.3	24.6
2006	8	8	79.1	26.2	63.4	17.4	72.2	22.4
2006	8	9	79.8	26.6	51.8	11.0	66.0	18.9
2006	8	10	83.6	28.7	56.8	13.8	69.8	21.0
2006	8	11	75.0	23.9	61.2	16.2	67.9	19.9
2006	8	12	74.1	23.4	49.2	9.6	62.9	17.2
2006	8	13	77.9	25.5	46.3	7.9	62.5	16.9
2006	8	14	84.5	29.2	53.1	11.7	70.4	21.3
2006	8	15	81.9	27.7	63.4	17.4	73.6	23.1
2006	8	16	79.0	26.1	56.6	13.7	67.6	19.8
2006	8	17	82.8	28.2	56.2	13.4	68.7	20.4
2006	8	18	81.7	27.6	61.1	16.2	71.0	21.7
2006	8	19	77.5	25.3	62.8	17.1	70.6	21.4
2006	8	20	85.8	29.9	69.2	20.7	76.6	24.8
2006	8	21	79.4	26.3	63.8	17.7	70.7	21.5
2006	8	22	82.1	27.8	57.8	14.3	69.5	20.8
2006	8	23	79.6	26.4	57.9	14.4	68.0	20.0
2006	8	24	75.2	24.0	59.4	15.2	65.9	18.8
2006	8	25	76.5	24.7	59.9	15.5	66.7	19.3
2006	8	26	68.8	20.4	65.2	18.4	66.9	19.4
2006	8	27	70.2	21.2	65.8	18.8	67.3	19.6
2006	8	28	78.1	25.6	66.6	19.2	71.6	22.0
2006	8	29	73.4	23.0	67.0	19.4	69.7	21.0
2006	8	30	72.7	22.6	63.8	17.7	67.3	19.6
2006	8	31	70.0	21.1	58.3	14.6	64.1	17.8
2006	9	1	66.0	18.9	55.8	13.2	60.5	15.9
2006	9	2	64.1	17.8	54.1	12.3	59.4	15.2
2006	9	3	64.0	17.8	58.2	14.6	61.3	16.3
2006	9	4	71.1	21.7	57.1	13.9	63.1	17.3
2006	9	5	63.2	17.3	57.9	14.4	60.6	15.9
2006	9	6	70.6	21.4	57.2	14.0	63.1	17.3
2006	9	7	75.9	24.4	52.8	11.6	62.2	16.8
2006	9	8	79.4	26.3	53.6	12.0	65.2	18.4
2006	9	9	78.7	25.9	55.7	13.2	64.9	18.3
2006	9	10	65.2	18.4	57.8	14.3	61.0	16.1
2006	9	11	64.2	17.9	53.3	11.8	58.1	14.5
2006	9	12	66.9	19.4	49.8	9.9	58.9	15.0
2006	9	13	61.7	16.5	55.1	12.8	58.5	14.7
2006	9	14	63.6	17.6	59.5	15.3	61.5	16.4

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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)
2006	9	15	66.8	19.3	60.2	15.7	63.0	17.2
2006	9	16	71.7	22.1	60.4	15.8	65.1	18.4
2006	9	17	75.1	23.9	57.5	14.2	63.2	17.3
2006	9	18	80.6	27.0	55.5	13.1	66.6	19.2
2006	9	19	73.8	23.2	55.7	13.2	65.9	18.9
2006	9	20	61.2	16.2	49.5	9.7	55.3	12.9
2006	9	21	63.4	17.4	43.1	6.2	52.4	11.3
2006	9	22	66.1	18.9	44.2	6.8	55.4	13.0
2006	9	23	72.0	22.2	59.3	15.2	64.6	18.1
2006	9	24	73.5	23.1	58.7	14.8	66.5	19.1
2006	9	25	67.8	19.9	52.5	11.4	60.0	15.5
2006	9	26	66.8	19.3	45.5	7.5	55.2	12.9
2006	9	27	70.6	21.4	45.1	7.3	57.7	14.3
2006	9	28	70.3	21.3	52.9	11.6	60.7	15.9
2006	9	29	58.9	14.9	46.8	8.2	53.3	11.8
2006	9	30	58.7	14.8	40.6	4.8	49.0	9.5
2006	10	1	65.2	18.4	51.5	10.8	57.3	14.1
2006	10	2	66.2	19.0	45.3	7.4	54.2	12.3
2006	10	3	76.9	24.9	47.8	8.8	60.6	15.9
2006	10	4	68.9	20.5	55.2	12.9	61.5	16.4
2006	10	5	62.6	17.0	47.8	8.8	53.8	12.1
2006	10	6	55.9	13.3	45.0	7.2	50.5	10.3
2006	10	7	60.7	15.9	41.0	5.0	48.8	9.3
2006	10	8	71.8	22.1	41.6	5.3	54.5	12.5
2006	10	9	75.8	24.3	46.7	8.2	59.1	15.1
2006	10	10	72.5	22.5	50.6	10.3	59.8	15.5
2006	10	11	62.1	16.7	55.4	13.0	60.3	15.7
2006	10	12	61.6	16.4	39.2	4.0	55.7	13.2
2006	10	13	51.2	10.7	30.0	-1.1	41.0	5.0
2006	10	14	53.1	11.7	30.5	-0.8	41.5	5.3
2006	10	15	52.8	11.6	29.1	-1.6	39.6	4.2
2006	10	16	59.6	15.3	31.2	-0.4	44.0	6.7
2006	10	17	61.4	16.3	44.0	6.7	53.7	12.1
2006	10	18	65.2	18.4	59.0	15.0	62.0	16.7
2006	10	19	70.3	21.3	53.2	11.8	61.4	16.3
2006	10	20	62.3	16.8	44.5	6.9	51.5	10.8
2006	10	21	55.2	12.9	40.4	4.7	46.8	8.2
2006	10	22	56.0	13.3	36.9	2.7	46.1	7.8
2006	10	23	46.6	8.1	40.8	4.9	44.0	6.7
2006	10	24	45.5	7.5	37.3	2.9	41.8	5.5
2006	10	25	47.7	8.7	39.9	4.4	43.9	6.6
2006	10	26	46.4	8.0	31.2	-0.4	41.3	5.2
2006	10	27	45.5	7.5	28.3	-2.1	37.6	3.1
2006	10	28	54.6	12.6	41.0	5.0	47.9	8.8
2006	10	29	47.4	8.6	38.8	3.8	43.3	6.3
2006	10	30	59.9	15.5	30.3	-0.9	44.2	6.8
2006	10	31	71.9	22.2	35.6	2.0	53.7	12.0
2006	11	2	48.0	8.9	38.6	3.7	43.9	6.6

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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)
2006	11	3	40.3	4.6	29.9	-1.2	35.7	2.1
2006	11	4	42.3	5.7	26.6	-3.0	33.7	1.0
2006	11	5	49.4	9.7	31.5	-0.3	39.3	4.0
2006	11	6	55.6	13.1	29.7	-1.3	41.0	5.0
2006	11	7	53.7	12.1	33.1	0.6	43.6	6.4
2006	11	8	57.1	13.9	48.5	9.2	55.0	12.8
2006	11	9	64.2	17.9	51.9	11.1	57.8	14.3
2006	11	10	56.8	13.8	41.7	5.4	48.7	9.3
2006	11	11	68.3	20.2	41.8	5.4	55.6	13.1
2006	11	12	58.4	14.7	40.9	4.9	45.8	7.6
2006	11	13	47.5	8.6	41.2	5.1	44.2	6.8
2006	11	14	52.6	11.4	47.2	8.4	49.8	9.9
2006	11	15	63.4	17.4	49.4	9.7	55.3	12.9
2006	11	16	67.9	19.9	58.8	14.9	63.5	17.5
2006	11	17	63.8	17.7	42.0	5.6	51.5	10.9
2006	11	18	45.0	7.2	38.2	3.4	41.7	5.4
2006	11	19	42.4	5.8	33.4	0.8	39.1	4.0
2006	11	20	38.9	3.8	36.2	2.3	37.5	3.1
2006	11	21	42.7	5.9	29.4	-1.4	35.3	1.8
2006	11	22	41.4	5.2	27.9	-2.3	34.5	1.4
2006	11	23	43.0	6.1	35.3	1.8	39.4	4.1
2006	11	24	54.0	12.2	29.0	-1.7	38.2	3.4
2006	11	25	53.6	12.0	28.4	-2.0	38.4	3.5
2006	11	26	53.2	11.8	30.9	-0.6	40.5	4.7
2006	11	27	54.6	12.6	34.5	1.4	42.8	6.0
2006	11	28	57.9	14.4	36.3	2.4	46.1	7.8
2006	11	29	56.4	13.6	50.8	10.4	53.5	11.9
2006	11	30	64.9	18.3	51.7	10.9	58.9	15.0
2006	12	1	69.8	21.0	43.5	6.4	62.8	17.1
2006	12	2	42.4	5.8	32.1	0.1	38.6	3.6
2006	12	3	44.6	7.0	28.4	-2.0	34.5	1.4
2006	12	4	33.7	0.9	25.8	-3.4	30.5	-0.8
2006	12	5	33.2	0.7	25.3	-3.7	28.8	-1.8
2006	12	6	44.5	6.9	22.6	-5.2	34.8	1.6
2006	12	7	43.9	6.6	22.5	-5.3	36.0	2.2
2006	12	8	29.1	-1.6	16.3	-8.7	22.6	-5.3
2006	12	9	39.5	4.2	19.9	-6.7	28.5	-2.0
2006	12	10	52.2	11.2	28.7	-1.8	38.5	3.6
2006	12	11	50.7	10.4	29.9	-1.2	38.9	3.8
2006	12	12	51.7	10.9	38.1	3.4	44.6	7.0
2006	12	13	53.4	11.9	37.9	3.3	46.9	8.3
2006	12	14	57.9	14.4	33.1	0.6	43.1	6.1
2006	12	15	56.2	13.4	36.5	2.5	45.6	7.6
2006	12	16	47.0	8.3	32.7	0.4	42.4	5.8
2006	12	17	51.8	11.0	29.8	-1.2	39.7	4.3
2006	12	18	49.6	9.8	41.3	5.2	46.2	7.9
2006	12	19	38.7	3.7	28.4	-2.0	34.6	1.4
2006	12	20	43.2	6.2	23.8	-4.6	31.6	-0.3

Table 2.7-17 SSES Daily Average and Extreme Temperatures (2001-2006)

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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)
2006	12	21	47.3	8.5	27.7	-2.4	36.4	2.4
2006	12	22	47.6	8.7	30.7	-0.7	37.9	3.3
2006	12	23	52.5	11.4	45.8	7.7	48.9	9.4
2006	12	24	49.4	9.7	36.8	2.7	43.9	6.6
2006	12	25	43.0	6.1	27.6	-2.4	34.9	1.6
2006	12	26	45.8	7.7	39.7	4.3	42.3	5.7
2006	12	27	38.9	3.8	32.1	0.1	36.5	2.5
2006	12	28	43.4	6.3	29.0	-1.7	36.2	2.3
2006	12	29	42.1	5.6	30.2	-1.0	36.0	2.2
2006	12	30	47.9	8.8	36.2	2.3	41.1	5.0
2006	12	31	43.0	6.1	28.1	-2.2	36.4	2.5

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	13.8	-10.1	6.9	-13.9	10.5	-11.9
2001	1	2	10.4	-12.0	3.5	-15.8	7.6	-13.6
2001	1	3	12.1	-11.1	5.3	-14.8	9.7	-12.4
2001	1	4	17.2	-8.2	11.6	-11.3	14.6	-9.7
2001	1	5	23.2	-4.9	10.9	-11.7	17.5	-8.1
2001	1	6	24.3	-4.3	16.4	-8.7	21.3	-5.9
2001	1	7	24.0	-4.4	18.0	-7.8	20.8	-6.3
2001	1	8	29.5	-1.4	21.7	-5.7	24.7	-4.0
2001	1	9	24.1	-4.4	6.7	-14.1	12.6	-10.8
2001	1	10	19.1	-7.2	7.4	-13.7	15.2	-9.4
2001	1	11	22.5	-5.3	14.1	-9.9	18.4	-7.5
2001	1	12	21.8	-5.7	13.2	-10.4	19.1	-7.2
2001	1	13	20.5	-6.4	13.8	-10.1	17.6	-8.0
2001	1	14	23.8	-4.6	15.3	-9.3	19.7	-6.8
2001	1	15	31.9	-0.1	24.6	-4.1	29.5	-1.4
2001	1	16	31.9	-0.1	26.2	-3.2	28.7	-1.8
2001	1	17	26.5	-3.1	22.8	-5.1	24.7	-4.1
2001	1	18	27.5	-2.5	21.4	-5.9	24.5	-4.2
2001	1	19	32.1	0.1	28.0	-2.2	30.2	-1.0
2001	1	20	27.0	-2.8	20.6	-6.3	23.3	-4.9
2001	1	21	20.9	-6.2	8.6	-13.0	12.1	-11.1
2001	1	22	15.2	-9.3	2.4	-16.4	10.3	-12.0
2001	1	23	18.4	-7.6	1.9	-16.7	11.2	-11.5
2001	1	24	22.9	-5.1	13.1	-10.5	17.9	-7.9
2001	1	25	23.0	-5.0	6.4	-14.2	14.7	-9.6
2001	1	26	15.1	-9.4	7.7	-13.5	11.2	-11.5
2001	1	27	26.8	-2.9	14.6	-9.7	21.1	-6.1
2001	1	28	20.8	-6.2	11.2	-11.6	13.8	-10.1
2001	1	29	18.3	-7.6	7.8	-13.4	13.7	-10.2
2001	1	30	35.7	2.1	18.4	-7.6	28.3	-2.1
2001	1	31	34.6	1.4	26.6	-3.0	30.3	-0.9
2001	2	1	29.1	-1.6	26.0	-3.3	27.6	-2.5
2001	2	2	27.5	-2.5	5.8	-14.6	23.7	-4.6
2001	2	3	11.5	-11.4	3.7	-15.7	7.9	-13.4
2001	2	4	18.0	-7.8	11.1	-11.6	14.0	-10.0
2001	2	5	29.7	-1.3	16.3	-8.7	26.1	-3.3
2001	2	6	31.4	-0.3	25.0	-3.9	28.6	-1.9
2001	2	7	31.4	-0.3	17.6	-8.0	22.3	-5.4
2001	2	8	24.7	-4.1	18.3	-7.6	21.1	-6.1
2001	2	9	40.9	4.9	25.3	-3.7	32.4	0.2
2001	2	10	44.1	6.7	3.6	-15.8	22.2	-5.5
2001	2	11	4.2	-15.4	-3.1	-19.5	1.4	-17.0
2001	2	12	13.0	-10.6	-0.3	-17.9	3.7	-15.8
2001	2	13	25.2	-3.8	15.4	-9.2	22.9	-5.0
2001	2	14	39.2	4.0	24.1	-4.4	32.7	0.4
2001	2	15	39.0	3.9	21.2	-6.0	28.0	-2.2
2001	2	16	32.4	0.2	24.2	-4.3	28.2	-2.1
2001	2	17	32.3	0.2	-0.7	-18.2	14.7	-9.6

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	7.1	-13.8	-0.6	-18.1	3.4	-15.9
2001	2	19	18.3	-7.6	6.8	-14.0	10.9	-11.7
2001	2	20	33.2	0.7	19.5	-6.9	25.6	-3.6
2001	2	21	34.2	1.2	-3.2	-19.6	12.9	-10.6
2001	2	22	13.1	-10.5	-2.1	-18.9	5.9	-14.5
2001	2	23	23.3	-4.8	11.9	-11.2	15.6	-9.1
2001	2	24	10.9	-11.7	7.1	-13.8	9.4	-12.6
2001	2	25	42.8	6.0	10.2	-12.1	29.8	-1.2
2001	2	26	39.0	3.9	18.6	-7.4	24.9	-4.0
2001	2	27	25.4	-3.7	17.6	-8.0	21.6	-5.8
2001	2	28	20.4	-6.4	1.5	-16.9	7.3	-13.7
2001	3	1	20.6	-6.3	8.4	-13.1	11.2	-11.6
2001	3	2	31.2	-0.4	24.3	-4.3	27.4	-2.6
2001	3	3	31.0	-0.6	20.9	-6.2	28.0	-2.2
2001	3	4	28.0	-2.2	19.5	-6.9	24.1	-4.4
2001	3	5	25.4	-3.7	13.3	-10.4	21.7	-5.7
2001	3	6	21.7	-5.7	7.8	-13.4	16.5	-8.6
2001	3	7	22.6	-5.2	16.0	-8.9	19.3	-7.1
2001	3	8	23.7	-4.6	19.4	-7.0	21.4	-5.9
2001	3	9	30.2	-1.0	20.9	-6.2	26.1	-3.3
2001	3	10	22.3	-5.4	16.1	-8.8	18.1	-7.7
2001	3	11	28.0	-2.2	17.4	-8.1	20.7	-6.3
2001	3	12	19.8	-6.8	8.0	-13.3	13.7	-10.2
2001	3	13	38.1	3.4	27.3	-2.6	33.4	0.8
2001	3	14	34.5	1.4	20.5	-6.4	25.9	-3.4
2001	3	15	30.0	-1.1	22.6	-5.2	26.2	-3.2
2001	3	16	36.5	2.5	26.3	-3.2	30.8	-0.7
2001	3	17	36.3	2.4	28.4	-2.0	34.0	1.1
2001	3	18	27.0	-2.8	10.3	-12.1	17.6	-8.0
2001	3	19	18.5	-7.5	12.4	-10.9	14.7	-9.6
2001	3	20	22.8	-5.1	15.5	-9.2	19.5	-7.0
2001	3	21	33.9	1.1	21.9	-5.6	28.3	-2.0
2001	3	22	33.8	1.0	25.2	-3.8	30.2	-1.0
2001	3	23	26.6	-3.0	14.3	-9.8	21.5	-5.9
2001	3	24	31.2	-0.4	7.9	-13.4	21.1	-6.1
2001	3	25	16.5	-8.6	8.1	-13.3	12.6	-10.8
2001	3	26	20.7	-6.3	2.7	-16.3	12.5	-10.8
2001	3	27	13.5	-10.3	3.0	-16.1	8.8	-12.9
2001	3	28	20.1	-6.6	15.1	-9.4	16.9	-8.4
2001	3	29	32.4	0.2	18.8	-7.3	25.0	-3.9
2001	3	30	36.6	2.6	30.9	-0.6	34.1	1.2
2001	3	31	30.9	-0.6	28.8	-1.8	29.8	-1.3
2001	4	1	31.3	-0.4	28.0	-2.2	29.2	-1.6
2001	4	2	32.0	0.0	24.4	-4.2	27.8	-2.3
2001	4	3	35.3	1.8	23.5	-4.7	27.9	-2.3
2001	4	4	33.2	0.7	18.0	-7.8	25.8	-3.4
2001	4	5	25.8	-3.4	15.9	-8.9	21.3	-5.9
2001	4	6	44.7	7.1	24.4	-4.2	37.1	2.8

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	44.5	6.9	31.6	-0.2	41.1	5.1
2001	4	8	44.3	6.8	29.9	-1.2	38.5	3.6
2001	4	9	55.8	13.2	36.7	2.6	46.4	8.0
2001	4	13	48.1	8.9	23.8	-4.6	36.5	2.5
2001	4	14	29.2	-1.6	22.3	-5.4	26.2	-3.2
2001	4	15	43.2	6.2	25.0	-3.9	31.3	-0.4
2001	4	16	43.1	6.2	36.5	2.5	38.7	3.7
2001	4	17	34.8	1.6	21.9	-5.6	30.2	-1.0
2001	4	18	20.7	-6.3	13.0	-10.6	16.0	-8.9
2001	4	19	24.4	-4.2	13.1	-10.5	19.4	-7.0
2001	4	20	41.8	5.4	23.0	-5.0	29.9	-1.2
2001	4	21	49.1	9.5	40.3	4.6	43.8	6.6
2001	4	22	55.8	13.2	46.7	8.2	52.0	11.1
2001	4	23	54.8	12.7	46.7	8.2	51.5	10.8
2001	4	24	53.2	11.8	26.9	-2.8	44.9	7.2
2001	4	25	28.4	-2.0	20.4	-6.4	23.9	-4.5
2001	4	26	30.1	-1.1	20.3	-6.5	25.3	-3.7
2001	4	27	38.5	3.6	28.1	-2.2	32.9	0.5
2001	4	28	31.9	-0.1	9.4	-12.6	17.7	-7.9
2001	4	29	29.2	-1.6	16.6	-8.6	22.2	-5.4
2001	4	30	33.5	0.8	22.0	-5.6	27.9	-2.3
2001	5	1	41.0	5.0	33.1	0.6	35.9	2.1
2001	5	2	47.3	8.5	33.5	0.8	41.3	5.2
2001	5	3	53.5	11.9	46.1	7.8	48.7	9.3
2001	5	4	55.8	13.2	48.0	8.9	51.4	10.8
2001	5	5	57.1	13.9	19.2	-7.1	37.1	2.8
2001	5	6	33.3	0.7	27.3	-2.6	29.7	-1.3
2001	5	7	34.5	1.4	17.4	-8.1	28.3	-2.1
2001	5	8	40.2	4.6	35.8	2.1	38.1	3.4
2001	5	9	51.9	11.1	35.9	2.2	44.3	6.8
2001	5	10	47.4	8.6	36.7	2.6	42.8	6.0
2001	5	11	49.8	9.9	41.7	5.4	45.1	7.3
2001	5	12	55.3	12.9	39.7	4.3	50.2	10.1
2001	5	13	39.8	4.3	22.2	-5.4	28.8	-1.8
2001	5	14	42.0	5.6	27.6	-2.4	33.9	1.1
2001	5	15	40.8	4.9	21.9	-5.6	30.8	-0.7
2001	5	16	40.2	4.6	31.4	-0.3	36.6	2.6
2001	5	17	46.6	8.1	39.8	4.3	42.8	6.0
2001	5	18	52.3	11.3	46.2	7.9	49.6	9.8
2001	5	19	53.2	11.8	43.7	6.5	48.8	9.3
2001	5	20	49.0	9.4	41.5	5.3	46.8	8.2
2001	5	21	51.4	10.8	41.4	5.2	46.4	8.0
2001	5	22	56.8	13.8	51.7	10.9	54.1	12.3
2001	5	23	52.0	11.1	46.8	8.2	48.7	9.3
2001	5	24	51.4	10.8	45.0	7.2	48.5	9.2
2001	5	25	51.8	11.0	47.2	8.4	49.8	9.9
2001	5	26	52.2	11.2	49.8	9.9	50.8	10.4
2001	5	27	53.6	12.0	50.4	10.2	51.8	11.0

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	28	50.7	10.4	43.5	6.4	46.7	8.2
2001	5	29	52.9	11.6	42.6	5.9	47.4	8.6
2001	5	30	42.1	5.6	23.0	-5.0	31.5	-0.3
2001	5	31	38.2	3.4	28.1	-2.2	32.3	0.1
2001	6	1	48.2	9.0	32.4	0.2	40.5	4.7
2001	6	2	54.7	12.6	48.1	8.9	51.2	10.7
2001	6	3	52.9	11.6	42.5	5.8	48.1	9.0
2001	6	4	50.6	10.3	44.3	6.8	45.8	7.7
2001	6	5	51.9	11.1	45.0	7.2	47.1	8.4
2001	6	6	51.9	11.1	47.4	8.6	49.9	10.0
2001	6	7	50.3	10.2	42.8	6.0	45.5	7.5
2001	6	8	47.7	8.7	35.0	1.7	42.1	5.6
2001	6	9	47.9	8.8	37.2	2.9	42.6	5.9
2001	6	10	54.8	12.7	42.1	5.6	47.5	8.6
2001	6	11	60.2	15.7	51.1	10.6	54.3	12.4
2001	6	12	63.3	17.4	54.3	12.4	58.5	14.7
2001	6	13	66.3	19.1	61.1	16.2	62.8	17.1
2001	6	14	64.7	18.2	60.9	16.1	62.9	17.1
2001	6	15	64.7	18.2	62.3	16.8	63.5	17.5
2001	6	16	66.5	19.2	60.9	16.1	64.2	17.9
2001	6	17	60.2	15.7	49.8	9.9	55.3	12.9
2001	6	18	58.4	14.7	49.6	9.8	53.6	12.0
2001	6	19	59.0	15.0	54.3	12.4	56.8	13.8
2001	6	20	62.7	17.1	57.3	14.1	60.4	15.8
2001	6	21	62.5	16.9	58.8	14.9	60.9	16.1
2001	6	22	63.3	17.4	59.2	15.1	61.5	16.4
2001	6	23	64.2	17.9	51.1	10.6	59.4	15.2
2001	6	24	56.8	13.8	49.4	9.7	51.9	11.1
2001	6	25	58.1	14.5	50.5	10.3	53.4	11.9
2001	6	26	61.1	16.2	53.5	11.9	56.9	13.8
2001	6	27	64.6	18.1	55.0	12.8	59.5	15.3
2001	6	28	65.2	18.4	54.1	12.3	60.7	15.9
2001	6	29	66.7	19.3	60.7	15.9	63.2	17.3
2001	6	30	65.7	18.7	59.2	15.1	63.0	17.2
2001	7	1	65.5	18.6	41.6	5.3	61.3	16.3
2001	7	2	46.7	8.2	34.7	1.5	38.7	3.7
2001	7	3	54.8	12.7	41.6	5.3	48.1	9.0
2001	7	4	61.9	16.6	54.8	12.7	59.8	15.4
2001	7	5	61.1	16.2	51.1	10.6	57.3	14.1
2001	7	6	53.5	11.9	42.8	6.0	46.7	8.2
2001	7	7	54.0	12.2	45.5	7.5	48.6	9.2
2001	7	8	65.3	18.5	54.9	12.7	61.1	16.2
2001	7	9	63.3	17.4	57.3	14.1	59.9	15.5
2001	7	10	62.6	17.0	55.9	13.3	59.6	15.3
2001	7	11	60.0	15.6	46.3	7.9	52.6	11.4
2001	7	12	51.1	10.6	46.5	8.1	49.1	9.5
2001	7	13	52.7	11.5	45.2	7.3	49.5	9.7
2001	7	14	51.8	11.0	49.2	9.6	50.5	10.3

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	15	59.8	15.4	48.2	9.0	53.7	12.0
2001	7	16	59.5	15.3	52.8	11.6	56.0	13.3
2001	7	17	62.5	16.9	57.3	14.1	60.2	15.7
2001	7	18	61.9	16.6	58.4	14.7	60.0	15.6
2001	7	19	59.8	15.4	55.9	13.3	57.6	14.2
2001	7	20	57.6	14.2	43.8	6.6	51.7	11.0
2001	7	21	54.2	12.3	47.8	8.8	50.9	10.5
2001	7	22	54.4	12.4	46.2	7.9	51.4	10.8
2001	7	23	62.3	16.8	52.9	11.6	58.1	14.5
2001	7	24	66.6	19.2	60.3	15.7	62.2	16.8
2001	7	25	67.8	19.9	61.7	16.5	64.8	18.2
2001	7	26	66.0	18.9	45.2	7.3	56.6	13.7
2001	7	27	49.6	9.8	40.4	4.7	44.5	6.9
2001	7	28	52.0	11.1	45.3	7.4	48.9	9.4
2001	7	29	52.6	11.4	49.8	9.9	51.3	10.7
2001	7	30	56.3	13.5	52.1	11.2	54.1	12.3
2001	7	31	57.1	13.9	53.5	11.9	55.2	12.9
2001	8	1	60.8	16.0	52.2	11.2	55.3	13.0
2001	8	2	59.4	15.2	51.3	10.7	55.0	12.8
2001	8	3	67.5	19.7	51.7	10.9	60.7	16.0
2001	8	4	66.6	19.2	61.4	16.3	63.9	17.7
2001	8	5	65.3	18.5	59.4	15.2	62.2	16.8
2001	8	6	67.2	19.6	60.5	15.8	63.2	17.4
2001	8	7	67.1	19.5	61.0	16.1	63.6	17.6
2001	8	8	67.9	19.9	59.8	15.4	64.3	17.9
2001	8	9	67.9	19.9	59.2	15.1	63.6	17.6
2001	8	10	68.2	20.1	64.9	18.3	66.5	19.2
2001	8	11	64.4	18.0	54.1	12.3	57.6	14.2
2001	8	12	67.1	19.5	59.7	15.4	63.7	17.6
2001	8	13	65.0	18.3	58.3	14.6	62.9	17.2
2001	8	14	60.2	15.7	54.9	12.7	57.3	14.0
2001	8	15	58.7	14.8	52.0	11.1	55.4	13.0
2001	8	16	62.2	16.8	55.4	13.0	58.2	14.6
2001	8	17	64.8	18.2	51.8	11.0	58.3	14.6
2001	8	18	58.1	14.5	51.3	10.7	54.8	12.6
2001	8	19	61.8	16.6	53.8	12.1	57.4	14.1
2001	8	20	62.0	16.7	53.5	11.9	58.2	14.6
2001	8	21	56.8	13.8	52.1	11.2	54.7	12.6
2001	8	22	54.9	12.7	49.8	9.9	52.2	11.2
2001	8	23	59.0	15.0	51.6	10.9	55.5	13.1
2001	8	24	59.8	15.4	52.6	11.4	55.6	13.1
2001	8	25	57.9	14.4	47.3	8.5	53.2	11.8
2001	8	26	60.2	15.7	49.1	9.5	55.0	12.8
2001	8	27	64.1	17.8	57.7	14.3	61.7	16.5
2001	8	28	59.9	15.5	56.2	13.4	58.2	14.5
2001	8	29	58.3	14.6	49.8	9.9	54.6	12.6
2001	8	30	62.1	16.7	50.2	10.1	56.3	13.5
2001	8	31	64.3	17.9	60.2	15.7	62.1	16.7

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	9	1	62.4	16.9	44.4	6.9	50.8	10.5
2001	9	2	49.3	9.6	40.3	4.6	44.0	6.7
2001	9	3	55.5	13.1	42.7	5.9	49.8	9.9
2001	9	4	62.1	16.7	53.2	11.8	58.1	14.5
2001	9	5	52.0	11.1	43.2	6.2	46.7	8.2
2001	9	6	48.4	9.1	37.2	2.9	43.7	6.5
2001	9	7	59.0	15.0	42.8	6.0	51.3	10.7
2001	9	8	61.1	16.2	51.0	10.6	55.9	13.3
2001	9	9	60.6	15.9	52.6	11.4	56.6	13.6
2001	9	10	64.6	18.1	52.9	11.6	58.9	14.9
2001	9	11	53.1	11.7	45.2	7.3	49.4	9.7
2001	9	12	50.5	10.3	44.0	6.7	47.2	8.4
2001	9	13	54.8	12.7	43.9	6.6	49.8	9.9
2001	9	14	48.0	8.9	35.2	1.8	40.4	4.7
2001	9	15	43.3	6.3	35.1	1.7	38.5	3.6
2001	9	16	47.0	8.3	36.2	2.3	41.3	5.2
2001	9	17	48.8	9.3	39.7	4.3	44.4	6.9
2001	9	18	52.0	11.1	42.3	5.7	47.5	8.6
2001	9	19	51.8	11.0	46.8	8.2	49.0	9.5
2001	9	20	58.1	14.5	51.5	10.8	55.6	13.1
2001	9	21	56.8	13.8	49.8	9.9	53.5	11.9
2001	9	22	55.6	13.1	48.8	9.3	51.3	10.7
2001	9	23	52.3	11.3	45.0	7.2	48.7	9.3
2001	9	24	60.7	15.9	47.7	8.7	55.1	12.8
2001	9	25	54.1	12.3	36.5	2.5	47.6	8.6
2001	9	26	41.3	5.2	34.5	1.4	36.5	2.5
2001	9	27	42.7	5.9	37.8	3.2	39.8	4.4
2001	9	28	42.5	5.8	38.3	3.5	39.5	4.2
2001	9	29	43.1	6.2	36.0	2.2	39.7	4.3
2001	9	30	40.7	4.8	32.3	0.2	36.0	2.2
2001	10	1	44.2	6.8	36.7	2.6	40.0	4.4
2001	10	2	51.5	10.8	37.6	3.1	45.3	7.4
2001	10	3	51.9	11.1	42.6	5.9	48.7	9.3
2001	10	4	49.6	9.8	43.0	6.1	47.1	8.4
2001	10	5	48.4	9.1	41.9	5.5	45.6	7.6
2001	10	6	52.1	11.2	25.4	-3.7	38.3	3.5
2001	10	7	28.3	-2.1	19.6	-6.9	24.6	-4.1
2001	10	8	27.2	-2.7	20.4	-6.4	23.3	-4.8
2001	10	9	28.8	-1.8	21.0	-6.1	24.8	-4.0
2001	10	10	38.1	3.4	28.4	-2.0	33.1	0.6
2001	10	11	47.9	8.8	34.6	1.4	42.2	5.7
2001	10	12	51.8	11.0	40.7	4.8	47.2	8.4
2001	10	13	54.8	12.7	46.8	8.2	51.6	10.9
2001	10	14	54.2	12.3	47.5	8.6	49.9	9.9
2001	10	15	48.8	9.3	33.7	0.9	39.7	4.3
2001	10	16	40.0	4.4	32.6	0.3	36.0	2.2
2001	10	17	37.8	3.2	21.2	-6.0	28.7	-1.8
2001	10	18	28.9	-1.7	22.5	-5.3	25.3	-3.7

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	19	34.5	1.4	26.0	-3.3	30.6	-0.8
2001	10	20	38.8	3.8	33.9	1.1	36.1	2.3
2001	10	21	43.5	6.4	32.3	0.2	38.1	3.4
2001	10	22	46.4	8.0	40.4	4.7	42.7	6.0
2001	10	23	54.7	12.6	41.1	5.1	47.2	8.4
2001	10	24	53.8	12.1	49.9	9.9	52.4	11.3
2001	10	25	52.3	11.3	21.3	-5.9	37.9	3.3
2001	10	26	24.4	-4.2	20.8	-6.2	22.1	-5.5
2001	10	27	28.0	-2.2	21.3	-5.9	24.3	-4.3
2001	10	28	26.3	-3.2	19.5	-6.9	22.3	-5.4
2001	10	29	29.5	-1.4	18.9	-7.3	24.4	-4.2
2001	10	30	33.1	0.6	14.1	-9.9	25.1	-3.9
2001	10	31	36.4	2.4	14.9	-9.5	26.8	-2.9
2001	11	1	43.6	6.4	31.2	-0.4	37.0	2.8
2001	11	2	47.9	8.8	39.6	4.2	44.5	6.9
2001	11	3	50.5	10.3	29.6	-1.3	39.8	4.3
2001	11	4	35.8	2.1	28.0	-2.2	32.2	0.1
2001	11	5	28.2	-2.1	20.4	-6.4	23.4	-4.8
2001	11	6	23.4	-4.8	18.2	-7.7	21.3	-5.9
2001	11	7	40.1	4.5	19.6	-6.9	31.6	-0.2
2001	11	11	34.4	1.3	18.0	-7.8	24.5	-4.2
2001	11	12	26.5	-3.1	20.0	-6.7	23.8	-4.6
2001	11	13	28.2	-2.1	21.7	-5.7	25.6	-3.6
2001	11	14	33.1	0.6	24.6	-4.1	28.8	-1.8
2001	11	15	45.0	7.2	32.2	0.1	40.1	4.5
2001	11	16	45.5	7.5	37.4	3.0	41.0	5.0
2001	11	17	39.1	3.9	24.4	-4.2	30.3	-0.9
2001	11	18	39.9	4.4	25.8	-3.4	33.0	0.6
2001	11	19	43.0	6.1	31.0	-0.6	37.0	2.8
2001	11	20	45.0	7.2	18.8	-7.3	29.1	-1.6
2001	11	21	25.7	-3.5	21.1	-6.1	23.6	-4.7
2001	11	22	29.4	-1.4	23.5	-4.7	26.0	-3.3
2001	11	23	38.6	3.7	26.0	-3.3	29.3	-1.5
2001	11	24	51.9	11.1	39.2	4.0	46.8	8.2
2001	11	25	53.7	12.1	42.7	5.9	50.5	10.3
2001	11	26	44.6	7.0	38.1	3.4	41.6	5.3
2001	11	27	43.8	6.6	33.9	1.1	38.9	3.8
2001	11	28	46.6	8.1	43.5	6.4	45.1	7.3
2001	11	29	47.3	8.5	42.7	5.9	45.1	7.3
2001	11	30	57.4	14.1	47.3	8.5	54.5	12.5
2001	12	1	52.2	11.2	33.9	1.1	41.0	5.0
2001	12	2	35.7	2.1	30.5	-0.8	33.5	0.8
2001	12	3	35.1	1.7	27.3	-2.6	30.1	-1.1
2001	12	4	35.3	1.8	28.1	-2.2	32.0	0.0
2001	12	5	42.3	5.7	35.6	2.0	38.7	3.7
2001	12	6	41.4	5.2	37.4	3.0	39.3	4.0
2001	12	7	45.9	7.7	23.2	-4.9	37.7	3.2
2001	12	8	31.4	-0.3	25.6	-3.6	28.9	-1.7

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	9	32.8	0.4	26.3	-3.2	29.7	-1.3
2001	12	10	30.5	-0.8	21.9	-5.6	26.1	-3.3
2001	12	11	32.6	0.3	27.5	-2.5	30.9	-0.6
2001	12	12	36.4	2.4	24.1	-4.4	30.3	-1.0
2001	12	13	45.5	7.5	37.0	2.8	42.5	5.8
2001	12	14	51.5	10.8	42.5	5.8	45.9	7.7
2001	12	15	37.5	3.1	20.9	-6.2	25.4	-3.7
2001	12	16	25.9	-3.4	20.9	-6.2	22.8	-5.1
2001	12	17	38.8	3.8	22.6	-5.2	31.9	-0.1
2001	12	18	40.3	4.6	27.1	-2.7	33.0	0.5
2001	12	19	30.7	-0.7	25.6	-3.6	28.3	-2.1
2001	12	20	31.3	-0.4	19.3	-7.1	23.8	-4.6
2001	12	21	26.2	-3.2	12.7	-10.7	17.7	-7.9
2001	12	22	20.8	-6.2	13.6	-10.2	17.2	-8.2
2001	12	23	34.2	1.2	19.3	-7.1	23.4	-4.8
2001	12	24	35.7	2.1	15.3	-9.3	23.5	-4.7
2001	12	25	13.9	-10.1	10.9	-11.7	12.3	-11.0
2001	12	26	13.9	-10.1	10.0	-12.2	12.0	-11.1
2001	12	27	14.1	-9.9	8.2	-13.2	10.9	-11.7
2001	12	28	21.9	-5.6	10.2	-12.1	15.0	-9.4
2001	12	29	20.3	-6.5	9.9	-12.3	14.9	-9.5
2001	12	30	9.6	-12.4	3.8	-15.7	6.4	-14.2
2001	12	31	6.0	-14.4	4.2	-15.4	5.2	-14.9
2002	1	1	11.6	-11.3	4.9	-15.1	8.4	-13.1
2002	1	2	14.3	-9.8	8.2	-13.2	11.9	-11.2
2002	1	3	15.4	-9.2	5.7	-14.6	11.8	-11.2
2002	1	4	17.8	-7.9	10.9	-11.7	14.1	-10.0
2002	1	5	16.8	-8.4	11.2	-11.6	14.1	-9.9
2002	1	6	28.6	-1.9	15.9	-8.9	21.1	-6.1
2002	1	7	28.4	-2.0	11.7	-11.3	23.9	-4.5
2002	1	8	17.0	-8.3	7.8	-13.4	13.1	-10.5
2002	1	9	26.1	-3.3	15.0	-9.4	21.5	-5.8
2002	1	10	32.2	0.1	26.6	-3.0	29.2	-1.5
2002	1	11	32.1	0.1	21.5	-5.8	26.8	-2.9
2002	1	12	23.9	-4.5	21.6	-5.8	22.9	-5.1
2002	1	13	28.8	-1.8	16.0	-8.9	21.8	-5.7
2002	1	14	23.7	-4.6	17.5	-8.1	19.5	-6.9
2002	1	15	26.9	-2.8	22.8	-5.1	25.4	-3.7
2002	1	16	22.9	-5.1	15.3	-9.3	19.0	-7.2
2002	1	17	24.0	-4.4	14.8	-9.6	20.0	-6.7
2002	1	18	17.2	-8.2	8.3	-13.2	12.9	-10.6
2002	1	19	21.0	-6.1	9.9	-12.3	15.7	-9.0
2002	1	20	20.0	-6.7	16.2	-8.8	18.6	-7.5
2002	1	21	28.1	-2.2	17.4	-8.1	23.3	-4.8
2002	1	22	24.8	-4.0	18.1	-7.7	20.8	-6.3
2002	1	23	34.7	1.5	20.7	-6.3	28.5	-1.9
2002	1	24	39.7	4.3	32.9	0.5	36.1	2.3
2002	1	25	31.1	-0.5	16.5	-8.6	21.3	-5.9

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	26	21.2	-6.0	16.2	-8.8	18.6	-7.5
2002	1	27	25.8	-3.4	19.3	-7.1	22.8	-5.1
2002	1	28	33.5	0.8	22.6	-5.2	27.9	-2.3
2002	1	29	44.1	6.7	28.4	-2.0	35.5	2.0
2002	1	30	48.6	9.2	28.1	-2.2	41.6	5.3
2002	1	31	32.5	0.3	26.7	-2.9	30.1	-1.1
2002	2	1	44.6	7.0	16.0	-8.9	32.7	0.4
2002	2	2	15.5	-9.2	8.7	-12.9	11.1	-11.6
2002	2	3	19.2	-7.1	14.9	-9.5	16.3	-8.7
2002	2	4	26.8	-2.9	2.9	-16.2	18.2	-7.7
2002	2	5	9.4	-12.6	0.6	-17.4	4.7	-15.2
2002	2	6	19.8	-6.8	8.6	-13.0	15.9	-8.9
2002	2	7	31.0	-0.6	20.3	-6.5	25.4	-3.7
2002	2	8	24.9	-3.9	19.9	-6.7	22.7	-5.2
2002	2	9	24.5	-4.2	20.1	-6.6	22.9	-5.0
2002	2	10	45.0	7.2	25.4	-3.7	34.7	1.5
2002	2	11	39.2	4.0	-2.2	-19.0	15.5	-9.2
2002	2	12	21.7	-5.7	7.8	-13.4	13.8	-10.1
2002	2	13	23.3	-4.8	1.2	-17.1	9.8	-12.3
2002	2	14	10.1	-12.2	4.0	-15.6	7.3	-13.7
2002	2	15	25.3	-3.7	10.4	-12.0	19.0	-7.3
2002	2	16	26.9	-2.8	19.9	-6.7	23.0	-5.0
2002	2	17	31.0	-0.6	12.8	-10.7	20.1	-6.6
2002	2	18	16.6	-8.6	9.7	-12.4	13.3	-10.4
2002	2	19	18.9	-7.3	13.1	-10.5	15.2	-9.3
2002	2	20	45.0	7.2	18.0	-7.8	28.3	-2.1
2002	2	21	45.2	7.3	28.9	-1.7	35.5	1.9
2002	2	22	29.9	-1.2	23.1	-4.9	25.4	-3.7
2002	2	23	23.1	-4.9	12.2	-11.0	15.2	-9.3
2002	2	24	18.5	-7.5	8.1	-13.3	14.8	-9.6
2002	2	25	25.6	-3.6	16.4	-8.7	20.8	-6.2
2002	2	26	35.3	1.8	23.2	-4.9	28.8	-1.8
2002	2	27	30.0	-1.1	8.1	-13.3	14.8	-9.6
2002	2	28	14.3	-9.8	5.5	-14.7	9.5	-12.5
2002	3	1	16.5	-8.6	9.6	-12.4	12.5	-10.8
2002	3	2	37.7	3.2	15.9	-8.9	22.1	-5.5
2002	3	3	45.0	7.2	15.1	-9.4	36.9	2.7
2002	3	4	15.3	-9.3	0.0	-17.8	7.6	-13.5
2002	3	5	14.8	-9.6	-2.6	-19.2	5.4	-14.8
2002	3	6	23.4	-4.8	14.5	-9.7	19.7	-6.8
2002	3	7	25.8	-3.4	22.2	-5.4	23.8	-4.6
2002	3	8	37.0	2.8	25.7	-3.5	29.7	-1.3
2002	3	9	52.8	11.6	37.0	2.8	47.5	8.6
2002	3	10	47.8	8.8	2.9	-16.2	11.6	-11.3
2002	3	11	13.6	-10.2	5.3	-14.8	8.4	-13.1
2002	3	12	25.6	-3.6	13.3	-10.4	21.0	-6.1
2002	3	13	38.8	3.8	26.0	-3.3	34.1	1.2
2002	3	14	39.2	4.0	35.8	2.1	37.8	3.2

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	15	49.6	9.8	37.3	2.9	44.4	6.9
2002	3	16	51.5	10.8	19.1	-7.2	37.4	3.0
2002	3	17	27.0	-2.8	15.7	-9.1	20.1	-6.6
2002	3	18	32.3	0.2	25.9	-3.4	29.3	-1.5
2002	3	19	32.9	0.5	24.1	-4.4	26.5	-3.1
2002	3	20	35.9	2.2	25.6	-3.6	31.6	-0.3
2002	3	21	30.5	-0.8	4.3	-15.4	25.0	-3.9
2002	3	22	8.7	-12.9	-0.8	-18.2	3.2	-16.0
2002	3	23	13.3	-10.4	6.7	-14.1	10.9	-11.7
2002	3	24	33.5	0.8	12.8	-10.7	20.6	-6.4
2002	3	25	33.4	0.8	18.8	-7.3	24.8	-4.0
2002	3	26	37.6	3.1	23.1	-4.9	29.4	-1.5
2002	3	27	36.2	2.3	20.5	-6.4	27.4	-2.6
2002	3	28	22.1	-5.5	15.0	-9.4	19.8	-6.8
2002	3	29	37.8	3.2	21.4	-5.9	29.8	-1.2
2002	3	30	43.5	6.4	24.0	-4.4	32.2	0.1
2002	3	31	41.9	5.5	26.3	-3.2	31.4	-0.3
2002	4	1	40.3	4.6	17.5	-8.1	29.2	-1.5
2002	4	2	41.7	5.4	19.2	-7.1	27.8	-2.3
2002	4	3	43.4	6.3	19.8	-6.8	34.8	1.5
2002	4	4	19.6	-6.9	14.1	-9.9	16.7	-8.5
2002	4	5	19.2	-7.1	15.1	-9.4	17.3	-8.2
2002	4	6	20.5	-6.4	12.1	-11.1	16.7	-8.5
2002	4	7	20.2	-6.6	12.2	-11.0	15.7	-9.1
2002	4	8	40.2	4.6	21.3	-5.9	31.3	-0.4
2002	4	9	54.3	12.4	40.8	4.9	48.4	9.1
2002	4	10	47.2	8.4	27.2	-2.7	31.2	-0.4
2002	4	11	34.7	1.5	26.9	-2.8	30.1	-1.0
2002	4	12	48.3	9.1	23.0	-5.0	37.8	3.2
2002	4	13	55.7	13.2	49.1	9.5	53.1	11.7
2002	4	14	56.4	13.6	48.0	8.9	51.1	10.6
2002	4	15	55.2	12.9	51.9	11.1	54.2	12.3
2002	4	16	59.2	15.1	51.2	10.7	55.3	13.0
2002	4	17	56.0	13.3	51.4	10.8	53.5	11.9
2002	4	18	57.5	14.2	52.8	11.6	55.0	12.8
2002	4	19	58.6	14.8	52.1	11.2	55.7	13.2
2002	4	20	56.1	13.4	35.0	1.7	44.8	7.1
2002	4	21	37.0	2.8	21.0	-6.1	28.3	-2.1
2002	4	22	40.0	4.4	25.4	-3.7	33.7	1.0
2002	4	23	23.5	-4.7	17.2	-8.2	19.9	-6.7
2002	4	24	25.6	-3.6	19.4	-7.0	23.3	-4.8
2002	4	25	39.8	4.3	19.6	-6.9	31.1	-0.5
2002	4	26	28.7	-1.8	19.1	-7.2	23.8	-4.6
2002	4	27	35.5	1.9	23.5	-4.7	25.8	-3.5
2002	4	28	53.5	11.9	38.7	3.7	46.3	8.0
2002	4	29	45.6	7.6	26.7	-2.9	33.2	0.6
2002	4	30	42.0	5.6	28.8	-1.8	35.1	1.7
2002	5	1	36.3	2.4	21.3	-5.9	29.6	-1.3

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	5	2	59.3	15.2	32.3	0.2	46.4	8.0
2002	5	3	40.2	4.6	19.8	-6.8	24.7	-4.1
2002	5	4	29.1	-1.6	20.6	-6.3	26.2	-3.2
2002	5	5	39.3	4.1	28.8	-1.8	34.4	1.3
2002	5	11	35.4	1.9	21.9	-5.6	27.4	-2.6
2002	5	12	51.3	10.7	33.6	0.9	45.7	7.6
2002	5	13	56.5	13.6	43.6	6.4	52.2	11.2
2002	5	14	41.6	5.3	30.8	-0.7	35.1	1.7
2002	5	15	37.3	2.9	29.5	-1.4	31.9	0.0
2002	5	16	47.7	8.7	34.8	1.6	41.2	5.1
2002	5	17	52.4	11.3	38.3	3.5	46.3	8.0
2002	5	18	40.5	4.7	27.2	-2.7	33.4	0.8
2002	5	19	32.4	0.2	21.3	-5.9	25.7	-3.5
2002	5	20	30.0	-1.1	24.8	-4.0	27.9	-2.3
2002	5	21	33.1	0.6	25.5	-3.6	28.8	-1.8
2002	5	22	35.1	1.7	27.2	-2.7	31.0	-0.5
2002	5	23	39.8	4.3	29.2	-1.6	33.8	1.0
2002	5	24	51.1	10.6	38.6	3.7	45.4	7.5
2002	5	25	45.6	7.6	31.8	-0.1	37.7	3.2
2002	5	26	55.5	13.1	43.8	6.6	50.3	10.2
2002	5	27	56.0	13.3	42.2	5.7	50.6	10.3
2002	5	28	59.7	15.4	52.2	11.2	55.0	12.8
2002	5	29	58.6	14.8	52.2	11.2	54.7	12.6
2002	5	30	57.1	13.9	53.0	11.7	55.3	12.9
2002	5	31	59.3	15.2	52.5	11.4	56.4	13.5
2002	6	1	56.1	13.4	44.9	7.2	51.0	10.6
2002	6	2	49.5	9.7	33.9	1.1	41.6	5.3
2002	6	3	43.9	6.6	34.0	1.1	37.1	2.9
2002	6	4	50.7	10.4	38.2	3.4	44.6	7.0
2002	6	5	65.6	18.7	49.8	9.9	59.3	15.1
2002	6	6	58.2	14.6	49.8	9.9	54.4	12.4
2002	6	7	50.3	10.2	44.4	6.9	46.6	8.1
2002	6	8	50.0	10.0	45.1	7.3	48.1	8.9
2002	6	9	60.0	15.6	46.5	8.1	53.0	11.7
2002	6	10	59.1	15.1	51.5	10.8	54.3	12.4
2002	6	11	63.0	17.2	53.3	11.8	59.2	15.1
2002	6	12	64.2	17.9	57.8	14.3	60.5	15.8
2002	6	13	57.1	13.9	51.9	11.1	54.2	12.4
2002	6	14	52.4	11.3	48.0	8.9	49.4	9.6
2002	6	15	51.1	10.6	46.8	8.2	48.9	9.4
2002	6	16	50.6	10.3	45.2	7.3	47.4	8.5
2002	6	17	48.5	9.2	41.6	5.3	44.7	7.0
2002	6	18	49.3	9.6	40.4	4.7	45.5	7.5
2002	6	19	53.7	12.1	45.8	7.7	50.1	10.1
2002	6	20	56.5	13.6	49.0	9.4	52.9	11.6
2002	6	21	56.2	13.4	50.7	10.4	53.9	12.2
2002	6	22	60.0	15.6	50.7	10.4	55.1	12.8
2002	6	23	60.2	15.7	55.7	13.2	58.2	14.6

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	24	63.3	17.4	56.8	13.8	60.7	15.9
2002	6	25	64.0	17.8	59.8	15.4	61.5	16.4
2002	6	26	65.3	18.5	58.4	14.7	61.6	16.4
2002	6	27	62.9	17.2	57.8	14.3	60.2	15.7
2002	6	28	59.1	15.1	54.1	12.3	57.0	13.9
2002	6	29	58.4	14.7	47.2	8.4	53.0	11.7
2002	6	30	59.6	15.3	53.0	11.7	56.2	13.4
2002	7	1	61.4	16.3	53.4	11.9	57.7	14.3
2002	7	2	70.8	21.6	56.9	13.8	64.2	17.9
2002	7	3	67.9	19.9	64.8	18.2	65.6	18.7
2002	7	4	66.3	19.1	61.7	16.5	64.1	17.9
2002	7	5	60.2	15.7	45.0	7.2	48.9	9.4
2002	7	6	52.2	11.2	42.9	6.1	46.7	8.2
2002	7	7	53.5	11.9	44.5	6.9	49.8	9.9
2002	7	8	56.0	13.3	48.3	9.1	51.9	11.0
2002	7	9	62.9	17.2	54.3	12.4	58.7	14.9
2002	7	10	60.7	15.9	35.7	2.1	47.2	8.4
2002	7	11	41.7	5.4	36.6	2.6	39.4	4.1
2002	7	12	45.3	7.4	38.1	3.4	41.5	5.3
2002	7	13	52.5	11.4	41.5	5.3	47.7	8.7
2002	7	14	57.7	14.3	51.8	11.0	54.9	12.7
2002	7	15	59.0	15.0	51.3	10.7	54.4	12.5
2002	7	16	54.4	12.4	43.1	6.2	48.6	9.2
2002	7	17	61.3	16.3	44.7	7.1	53.5	11.9
2002	7	18	62.1	16.7	56.7	13.7	59.5	15.3
2002	7	19	62.7	17.1	58.2	14.6	60.1	15.6
2002	7	20	59.0	15.0	53.2	11.8	56.4	13.6
2002	7	21	61.4	16.3	53.1	11.7	58.1	14.5
2002	7	22	63.4	17.4	56.6	13.7	60.0	15.6
2002	7	23	64.7	18.2	56.6	13.7	60.7	15.9
2002	7	24	56.0	13.3	51.6	10.9	54.1	12.3
2002	7	25	54.2	12.3	43.3	6.3	49.6	9.8
2002	7	26	51.3	10.7	42.1	5.6	47.9	8.8
2002	7	27	61.5	16.4	50.8	10.4	57.1	14.0
2002	7	28	68.7	20.4	60.0	15.6	64.1	17.9
2002	7	29	67.0	19.4	63.2	17.3	64.9	18.3
2002	7	30	65.3	18.5	56.1	13.4	60.6	15.9
2002	7	31	60.2	15.7	53.2	11.8	57.1	14.0
2002	8	1	62.7	17.1	57.7	14.3	59.8	15.4
2002	8	2	62.7	17.1	57.2	14.0	59.6	15.3
2002	8	3	60.9	16.1	57.4	14.1	59.1	15.0
2002	8	4	64.1	17.8	55.9	13.3	59.3	15.1
2002	8	5	63.5	17.5	56.7	13.7	60.5	15.8
2002	8	6	62.0	16.7	39.6	4.2	44.0	6.6
2002	8	7	46.0	7.8	40.8	4.9	43.4	6.3
2002	8	8	48.1	8.9	41.5	5.3	43.5	6.4
2002	8	9	48.1	8.9	42.2	5.7	44.7	7.0
2002	8	10	49.9	9.9	43.5	6.4	46.6	8.1

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	11	54.5	12.5	47.4	8.6	51.4	10.8
2002	8	12	58.7	14.8	52.0	11.1	54.6	12.6
2002	8	13	60.7	15.9	54.0	12.2	56.5	13.6
2002	8	14	61.5	16.4	53.9	12.2	56.6	13.7
2002	8	15	61.8	16.6	52.6	11.4	58.1	14.5
2002	8	16	65.3	18.5	60.3	15.7	62.1	16.7
2002	8	17	62.9	17.2	59.4	15.2	60.9	16.1
2002	8	18	63.7	17.6	58.5	14.7	60.9	16.0
2002	8	19	59.5	15.3	50.4	10.2	55.4	13.0
2002	8	20	60.1	15.6	47.8	8.8	54.6	12.6
2002	8	21	51.9	11.1	46.8	8.2	48.2	9.0
2002	8	22	62.6	17.0	49.0	9.4	56.8	13.8
2002	8	23	62.8	17.1	56.0	13.3	58.2	14.6
2002	8	24	63.2	17.3	57.5	14.2	59.9	15.5
2002	8	25	58.0	14.4	47.4	8.6	52.7	11.5
2002	8	26	53.9	12.2	48.8	9.3	51.2	10.7
2002	8	27	55.1	12.8	50.0	10.0	52.9	11.6
2002	8	28	52.5	11.4	45.0	7.2	48.5	9.2
2002	8	29	49.5	9.7	46.4	8.0	48.1	9.0
2002	8	30	52.8	11.6	46.7	8.2	49.5	9.7
2002	8	31	53.7	12.1	46.5	8.1	50.2	10.1
2002	9	1	51.3	10.7	42.8	6.0	47.9	8.8
2002	9	2	55.8	13.2	49.9	9.9	52.3	11.3
2002	9	3	61.5	16.4	49.8	9.9	56.1	13.4
2002	9	4	61.3	16.3	45.5	7.5	52.8	11.6
2002	9	5	52.1	11.2	43.9	6.6	48.2	9.0
2002	9	6	44.6	7.0	36.4	2.4	41.6	5.3
2002	9	7	48.8	9.3	40.7	4.8	44.2	6.8
2002	9	8	48.2	9.0	38.3	3.5	44.1	6.7
2002	9	9	52.3	11.3	41.7	5.4	47.5	8.6
2002	9	10	54.2	12.3	44.6	7.0	48.9	9.4
2002	9	11	49.3	9.6	36.1	2.3	42.5	5.8
2002	9	12	38.5	3.6	32.5	0.3	35.3	1.8
2002	9	13	42.3	5.7	34.4	1.3	39.0	3.9
2002	9	14	60.1	15.6	40.8	4.9	50.6	10.3
2002	9	15	61.5	16.4	57.9	14.4	59.9	15.5
2002	9	16	60.3	15.7	50.4	10.2	56.7	13.7
2002	9	17	53.7	12.1	46.4	8.0	49.8	9.9
2002	9	18	50.0	10.0	42.6	5.9	47.1	8.4
2002	9	19	56.7	13.7	46.1	7.8	52.1	11.2
2002	9	20	59.4	15.2	52.8	11.6	56.3	13.5
2002	9	21	61.3	16.3	56.6	13.7	59.6	15.3
2002	9	22	61.4	16.3	55.6	13.1	59.9	15.5
2002	9	23	54.4	12.4	38.8	3.8	44.3	6.8
2002	9	24	45.8	7.7	37.5	3.1	42.1	5.6
2002	9	25	46.1	7.8	40.2	4.6	43.2	6.2
2002	9	26	47.2	8.4	43.9	6.6	45.2	7.3
2002	9	27	62.9	17.2	44.8	7.1	53.1	11.7

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	28	56.4	13.6	40.1	4.5	45.8	7.7
2002	9	29	46.1	7.8	35.6	2.0	40.9	5.0
2002	9	30	50.8	10.4	40.8	4.9	46.6	8.1
2002	10	1	57.0	13.9	42.8	6.0	51.0	10.6
2002	10	2	60.3	15.7	50.0	10.0	55.7	13.2
2002	10	3	58.6	14.8	51.3	10.7	54.3	12.4
2002	10	4	58.6	14.8	50.8	10.4	53.2	11.8
2002	10	5	60.5	15.8	38.6	3.7	50.8	10.5
2002	10	6	44.0	6.7	36.7	2.6	39.7	4.3
2002	10	7	50.9	10.5	29.0	-1.7	41.6	5.3
2002	10	8	35.4	1.9	29.9	-1.2	32.0	0.0
2002	10	9	44.8	7.1	32.2	0.1	37.6	3.1
2002	10	10	49.6	9.8	45.3	7.4	47.4	8.6
2002	10	11	47.3	8.5	44.9	7.2	45.9	7.7
2002	10	12	49.3	9.6	45.0	7.2	47.5	8.6
2002	10	13	50.6	10.3	34.1	1.2	46.4	8.0
2002	10	14	32.4	0.2	24.0	-4.4	27.3	-2.6
2002	10	15	36.7	2.6	25.6	-3.6	31.8	-0.1
2002	10	16	40.8	4.9	36.7	2.6	39.4	4.1
2002	10	17	39.7	4.3	30.7	-0.7	34.9	1.6
2002	10	18	33.6	0.9	28.1	-2.2	30.6	-0.8
2002	10	19	41.1	5.1	30.9	-0.6	36.1	2.3
2002	10	20	34.2	1.2	28.5	-1.9	31.6	-0.3
2002	10	21	32.4	0.2	25.7	-3.5	28.3	-2.1
2002	10	22	34.4	1.3	23.2	-4.9	29.3	-1.5
2002	10	23	32.2	0.1	24.9	-3.9	28.6	-1.9
2002	10	24	28.2	-2.1	22.1	-5.5	24.9	-4.0
2002	10	25	34.1	1.2	27.4	-2.6	30.9	-0.6
2002	10	26	43.2	6.2	34.8	1.6	40.2	4.6
2002	10	27	39.0	3.9	29.8	-1.2	34.3	1.3
2002	10	28	31.0	-0.6	24.1	-4.4	27.4	-2.5
2002	10	29	26.1	-3.3	19.6	-6.9	23.2	-4.9
2002	10	30	26.7	-2.9	24.2	-4.3	25.7	-3.5
2002	10	31	28.0	-2.2	23.4	-4.8	26.0	-3.3
2002	11	1	29.3	-1.5	17.0	-8.3	24.0	-4.4
2002	11	2	23.7	-4.6	18.8	-7.3	21.3	-5.9
2002	11	3	24.5	-4.2	20.8	-6.2	22.6	-5.2
2002	11	6	40.2	4.6	24.6	-4.1	34.3	1.3
2002	11	8	32.6	0.3	19.2	-7.1	28.1	-2.2
2002	11	9	39.2	4.0	29.6	-1.3	34.3	1.3
2002	11	10	55.2	12.9	40.0	4.4	48.8	9.3
2002	11	11	57.1	13.9	43.0	6.1	52.2	11.2
2002	11	12	43.6	6.4	38.8	3.8	41.1	5.1
2002	11	13	41.0	5.0	28.3	-2.1	33.5	0.8
2002	11	14	34.0	1.1	28.6	-1.9	31.8	-0.1
2002	11	15	34.4	1.3	29.8	-1.2	32.2	0.1
2002	11	16	34.5	1.4	30.6	-0.8	33.0	0.5
2002	11	17	33.8	1.0	29.5	-1.4	32.0	0.0

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	18	29.2	-1.6	21.3	-5.9	24.9	-3.9
2002	11	19	31.9	-0.1	22.1	-5.5	25.8	-3.5
2002	11	20	33.9	1.1	28.0	-2.2	31.2	-0.4
2002	11	21	39.1	3.9	25.6	-3.6	33.3	0.7
2002	11	22	40.4	4.7	31.0	-0.6	36.8	2.7
2002	11	23	29.3	-1.5	17.4	-8.1	20.9	-6.2
2002	11	24	27.0	-2.8	22.7	-5.2	25.2	-3.8
2002	11	25	31.1	-0.5	25.0	-3.9	28.2	-2.1
2002	11	26	27.2	-2.7	17.6	-8.0	22.0	-5.6
2002	11	27	26.2	-3.2	10.1	-12.2	18.4	-7.6
2002	11	28	16.5	-8.6	9.8	-12.3	13.0	-10.6
2002	11	29	21.2	-6.0	13.6	-10.2	17.7	-7.9
2002	11	30	28.0	-2.2	20.5	-6.4	23.4	-4.8
2002	12	1	20.6	-6.3	6.0	-14.4	12.2	-11.0
2002	12	2	18.8	-7.3	6.8	-14.0	12.4	-10.9
2002	12	3	12.0	-11.1	-7.1	-21.7	-0.7	-18.2
2002	12	4	11.4	-11.4	0.3	-17.6	6.4	-14.2
2002	12	5	18.6	-7.4	11.3	-11.5	15.7	-9.1
2002	12	6	19.0	-7.2	10.5	-11.9	15.9	-8.9
2002	12	7	12.0	-11.1	2.2	-16.6	8.5	-13.0
2002	12	8	27.7	-2.4	8.2	-13.2	16.7	-8.5
2002	12	9	3.9	-15.6	-1.2	-18.4	1.4	-17.0
2002	12	10	9.7	-12.4	0.5	-17.5	5.8	-14.5
2002	12	11	28.6	-1.9	6.7	-14.1	18.4	-7.6
2002	12	12	30.3	-0.9	27.5	-2.5	28.8	-1.8
2002	12	13	31.0	-0.6	27.6	-2.4	28.7	-1.9
2002	12	14	34.7	1.5	27.1	-2.7	31.9	-0.1
2002	12	15	27.8	-2.3	23.2	-4.9	24.9	-3.9
2002	12	16	30.5	-0.8	7.1	-13.8	19.2	-7.1
2002	12	17	11.6	-11.3	7.2	-13.8	9.6	-12.5
2002	12	18	11.5	-11.4	4.7	-15.2	8.8	-12.9
2002	12	19	37.2	2.9	11.4	-11.4	21.9	-5.6
2002	12	20	48.3	9.1	21.2	-6.0	35.9	2.1
2002	12	21	26.6	-3.0	20.2	-6.6	22.5	-5.3
2002	12	22	31.2	-0.4	18.9	-7.3	23.4	-4.8
2002	12	23	20.8	-6.2	16.9	-8.4	18.5	-7.5
2002	12	24	19.4	-7.0	11.7	-11.3	14.0	-10.0
2002	12	25	26.6	-3.0	18.5	-7.5	23.1	-5.0
2002	12	26	21.5	-5.8	13.2	-10.4	17.7	-7.9
2002	12	27	19.9	-6.7	16.0	-8.9	18.7	-7.4
2002	12	28	25.5	-3.6	9.6	-12.4	16.5	-8.6
2002	12	29	26.0	-3.3	17.1	-8.3	22.7	-5.2
2002	12	30	23.8	-4.6	14.9	-9.5	18.8	-7.4
2002	12	31	31.8	-0.1	25.1	-3.8	29.6	-1.4
2003	1	1	32.2	0.1	28.5	-1.9	29.7	-1.3
2003	1	2	29.0	-1.7	19.5	-6.9	22.9	-5.1
2003	1	3	24.2	-4.3	18.2	-7.7	21.9	-5.6
2003	1	4	24.2	-4.3	21.4	-5.9	23.0	-5.0

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	1	5	22.6	-5.2	18.0	-7.8	20.1	-6.6
2003	1	6	23.2	-4.9	20.5	-6.4	21.5	-5.8
2003	1	7	18.9	-7.3	4.6	-15.2	11.9	-11.2
2003	1	8	27.6	-2.4	17.0	-8.3	24.1	-4.4
2003	1	9	27.7	-2.4	24.9	-3.9	26.0	-3.3
2003	1	10	26.7	-2.9	7.3	-13.7	17.8	-7.9
2003	1	11	11.8	-11.2	1.2	-17.1	5.0	-15.0
2003	1	12	11.4	-11.4	4.0	-15.6	8.3	-13.1
2003	1	13	11.8	-11.2	0.6	-17.4	7.6	-13.5
2003	1	14	8.0	-13.3	0.3	-17.6	4.0	-15.6
2003	1	15	12.0	-11.1	1.5	-16.9	5.9	-14.5
2003	1	16	11.8	-11.2	0.7	-17.4	4.5	-15.3
2003	1	17	12.4	-10.9	-8.9	-22.7	5.0	-15.0
2003	1	18	0.4	-17.6	-10.5	-23.6	-4.3	-20.2
2003	1	19	9.1	-12.7	-2.8	-19.3	2.7	-16.3
2003	1	20	16.9	-8.4	-4.4	-20.2	3.0	-16.1
2003	1	21	2.1	-16.6	-6.1	-21.2	-2.5	-19.2
2003	1	22	1.4	-17.0	-10.9	-23.8	-4.2	-20.1
2003	1	23	-1.1	-18.4	-12.2	-24.6	-6.8	-21.6
2003	1	24	1.5	-16.9	-9.4	-23.0	-5.0	-20.6
2003	1	25	7.1	-13.8	2.3	-16.5	4.7	-15.2
2003	1	26	20.4	-6.4	7.0	-13.9	13.6	-10.2
2003	1	27	3.8	-15.7	-11.6	-24.2	-8.7	-22.6
2003	1	28	7.1	-13.8	-9.6	-23.1	-1.3	-18.5
2003	1	29	20.1	-6.6	7.5	-13.6	15.3	-9.3
2003	1	30	13.9	-10.1	6.6	-14.1	11.2	-11.6
2003	1	31	28.2	-2.1	10.1	-12.2	17.9	-7.9
2003	2	1	29.4	-1.4	27.3	-2.6	28.3	-2.0
2003	2	2	28.6	-1.9	18.4	-7.6	23.5	-4.7
2003	2	3	24.6	-4.1	20.9	-6.2	22.3	-5.4
2003	2	4	35.3	1.8	15.7	-9.1	25.9	-3.4
2003	2	5	14.3	-9.8	2.4	-16.4	6.6	-14.1
2003	2	6	17.9	-7.8	2.3	-16.5	8.7	-13.0
2003	2	7	22.3	-5.4	7.2	-13.8	18.1	-7.7
2003	2	8	6.1	-14.4	-1.2	-18.4	2.9	-16.2
2003	2	9	16.5	-8.6	0.2	-17.7	8.7	-13.0
2003	2	10	24.6	-4.1	12.7	-10.7	18.6	-7.5
2003	2	11	17.6	-8.0	-8.3	-22.4	2.4	-16.4
2003	2	12	16.6	-8.6	-5.2	-20.7	2.8	-16.2
2003	2	13	2.2	-16.6	-3.4	-19.7	-1.5	-18.6
2003	2	14	4.9	-15.1	-2.1	-18.9	1.2	-17.1
2003	2	15	5.5	-14.7	-13.9	-25.5	-2.9	-19.4
2003	2	16	6.4	-14.2	-14.7	-25.9	-7.3	-21.8
2003	2	17	15.0	-9.4	4.7	-15.2	9.7	-12.4
2003	2	18	19.8	-6.8	12.0	-11.1	16.1	-8.8
2003	2	19	26.9	-2.8	18.4	-7.6	21.2	-6.0
2003	2	20	27.3	-2.6	17.2	-8.2	21.9	-5.6
2003	2	21	30.1	-1.1	9.4	-12.6	17.6	-8.0

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	22	36.6	2.6	28.2	-2.1	32.2	0.1
2003	2	23	36.0	2.2	12.8	-10.7	26.8	-2.9
2003	2	24	18.9	-7.3	7.3	-13.7	12.1	-11.1
2003	2	25	17.0	-8.3	-2.8	-19.3	5.3	-14.8
2003	2	26	7.5	-13.6	-3.0	-19.4	1.7	-16.8
2003	2	27	13.7	-10.2	7.9	-13.4	11.4	-11.4
2003	2	28	19.0	-7.2	10.4	-12.0	13.2	-10.4
2003	3	1	27.3	-2.6	19.2	-7.1	23.2	-4.9
2003	3	2	32.1	0.1	23.0	-5.0	28.2	-2.1
2003	3	3	22.2	-5.4	-19.0	-28.3	-9.4	-23.0
2003	3	4	16.0	-8.9	-5.9	-21.1	5.0	-15.0
2003	3	5	26.4	-3.1	16.8	-8.4	22.6	-5.2
2003	3	6	23.0	-5.0	2.8	-16.2	13.6	-10.2
2003	3	7	10.7	-11.8	-8.8	-22.7	3.0	-16.1
2003	3	8	22.9	-5.1	6.1	-14.4	15.2	-9.3
2003	3	9	26.7	-2.9	-6.8	-21.6	13.5	-10.3
2003	3	10	-0.6	-18.1	-6.8	-21.6	-3.9	-20.0
2003	3	11	19.3	-7.1	-1.6	-18.7	8.4	-13.1
2003	3	12	25.9	-3.4	14.9	-9.5	20.3	-6.5
2003	3	13	23.8	-4.6	12.8	-10.7	21.5	-5.9
2003	3	14	12.2	-11.0	0.6	-17.4	5.6	-14.7
2003	3	15	22.7	-5.2	12.2	-11.0	17.6	-8.0
2003	3	16	40.3	4.6	18.4	-7.6	28.4	-2.0
2003	3	17	44.0	6.7	27.3	-2.6	34.4	1.3
2003	3	18	38.2	3.4	27.7	-2.4	32.5	0.3
2003	3	19	28.7	-1.8	12.0	-11.1	19.7	-6.9
2003	3	20	35.6	2.0	15.8	-9.0	26.1	-3.3
2003	3	21	41.9	5.5	32.6	0.3	36.6	2.6
2003	3	22	36.8	2.7	26.8	-2.9	31.0	-0.6
2003	3	23	27.5	-2.5	23.9	-4.5	25.4	-3.7
2003	3	24	32.2	0.1	22.9	-5.1	27.5	-2.5
2003	3	25	37.2	2.9	25.5	-3.6	32.1	0.1
2003	3	26	36.8	2.7	28.7	-1.8	33.0	0.6
2003	3	27	31.9	-0.1	26.5	-3.1	29.3	-1.5
2003	3	28	42.0	5.6	26.6	-3.0	32.5	0.3
2003	3	29	50.8	10.4	39.3	4.1	45.1	7.3
2003	3	30	36.3	2.4	16.8	-8.4	24.5	-4.2
2003	3	31	18.9	-7.3	6.2	-14.3	11.9	-11.2
2003	4	1	28.9	-1.7	7.6	-13.6	18.9	-7.3
2003	4	2	42.2	5.7	28.9	-1.7	36.0	2.2
2003	4	3	41.1	5.1	33.1	0.6	36.6	2.6
2003	4	4	33.0	0.6	27.0	-2.8	30.6	-0.8
2003	4	5	34.7	1.5	23.1	-4.9	28.8	-1.8
2003	4	6	18.8	-7.3	9.2	-12.7	12.4	-10.9
2003	4	7	22.2	-5.4	12.2	-11.0	17.7	-7.9
2003	4	8	24.8	-4.0	20.4	-6.4	22.7	-5.2
2003	4	9	28.5	-1.9	24.2	-4.3	26.3	-3.2
2003	4	10	28.2	-2.1	16.9	-8.4	23.7	-4.6

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	11	36.5	2.5	16.0	-8.9	28.7	-1.8
2003	4	12	34.3	1.3	24.4	-4.2	29.4	-1.4
2003	4	13	25.4	-3.7	12.6	-10.8	18.3	-7.6
2003	4	14	32.8	0.4	18.7	-7.4	23.6	-4.7
2003	4	15	40.9	4.9	29.7	-1.3	36.3	2.4
2003	4	16	41.8	5.4	28.1	-2.2	37.1	2.8
2003	4	17	26.8	-2.9	17.6	-8.0	21.4	-5.9
2003	4	18	31.3	-0.4	15.0	-9.4	23.3	-4.8
2003	4	19	36.8	2.7	24.2	-4.3	32.7	0.4
2003	4	20	34.2	1.2	23.9	-4.5	28.0	-2.2
2003	4	21	42.7	5.9	27.5	-2.5	35.7	2.0
2003	4	22	45.0	7.2	26.9	-2.8	39.2	4.0
2003	4	23	26.4	-3.1	20.4	-6.4	22.5	-5.3
2003	4	24	19.9	-6.7	9.7	-12.4	15.1	-9.4
2003	4	25	34.3	1.3	19.2	-7.1	25.4	-3.7
2003	4	26	44.5	6.9	37.4	3.0	42.5	5.8
2003	4	27	43.0	6.1	20.6	-6.3	30.1	-1.0
2003	4	28	33.8	1.0	26.9	-2.8	30.3	-0.9
2003	4	29	44.4	6.9	29.7	-1.3	37.7	3.2
2003	4	30	34.0	1.1	27.2	-2.7	30.7	-0.7
2003	5	1	54.1	12.3	31.6	-0.2	45.1	7.3
2003	5	2	53.0	11.7	36.9	2.7	46.9	8.3
2003	5	3	36.6	2.6	25.5	-3.6	30.1	-1.0
2003	5	4	33.2	0.7	25.5	-3.6	28.7	-1.8
2003	5	5	34.8	1.6	27.4	-2.6	31.0	-0.6
2003	5	6	46.6	8.1	28.7	-1.8	39.2	4.0
2003	5	9	53.7	12.1	39.1	3.9	47.9	8.8
2003	5	10	55.7	13.2	41.0	5.0	49.4	9.7
2003	5	11	62.0	16.7	46.8	8.2	57.3	14.0
2003	5	12	43.5	6.4	38.6	3.7	40.7	4.8
2003	5	13	38.9	3.8	35.0	1.7	37.1	2.8
2003	5	14	40.5	4.7	36.1	2.3	38.0	3.3
2003	5	15	42.9	6.1	36.0	2.2	39.7	4.3
2003	5	16	46.3	7.9	38.9	3.8	41.5	5.3
2003	5	17	44.1	6.7	38.2	3.4	40.7	4.9
2003	5	18	43.1	6.2	31.7	-0.2	38.5	3.6
2003	5	19	38.4	3.6	29.0	-1.7	34.3	1.3
2003	5	20	42.8	6.0	31.3	-0.4	36.5	2.5
2003	5	21	49.8	9.9	38.0	3.3	43.9	6.6
2003	5	22	46.4	8.0	38.9	3.8	42.9	6.1
2003	5	23	47.8	8.8	43.1	6.2	45.3	7.4
2003	5	24	51.4	10.8	46.5	8.1	49.2	9.6
2003	5	25	50.5	10.3	47.7	8.7	49.1	9.5
2003	5	26	50.7	10.4	47.6	8.7	49.2	9.6
2003	5	27	49.1	9.5	43.7	6.5	47.1	8.4
2003	5	28	50.6	10.3	46.3	7.9	47.9	8.8
2003	5	29	51.8	11.0	45.6	7.6	47.9	8.9
2003	5	30	51.0	10.6	46.3	7.9	49.0	9.5

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	31	53.9	12.2	47.9	8.8	51.1	10.6
2003	6	1	53.0	11.7	35.8	2.1	43.4	6.4
2003	6	2	43.7	6.5	34.4	1.3	38.2	3.4
2003	6	3	48.0	8.9	40.3	4.6	44.1	6.7
2003	6	4	50.5	10.3	44.8	7.1	47.7	8.7
2003	6	5	50.8	10.4	44.8	7.1	48.1	8.9
2003	6	6	51.0	10.6	45.3	7.4	47.3	8.5
2003	6	7	53.5	11.9	46.9	8.3	51.0	10.6
2003	6	8	53.1	11.7	51.7	10.9	52.6	11.4
2003	6	9	54.0	12.2	47.7	8.7	52.1	11.2
2003	6	10	52.3	11.3	47.1	8.4	49.9	10.0
2003	6	11	63.3	17.4	52.0	11.1	59.2	15.1
2003	6	12	65.0	18.3	60.8	16.0	62.6	17.0
2003	6	13	63.3	17.4	60.0	15.6	61.7	16.5
2003	6	14	63.8	17.7	57.1	13.9	62.1	16.7
2003	6	15	58.4	14.7	46.6	8.1	53.2	11.8
2003	6	16	48.7	9.3	41.5	5.3	45.5	7.5
2003	6	17	51.1	10.6	43.7	6.5	46.2	7.9
2003	6	18	56.3	13.5	50.5	10.3	53.4	11.9
2003	6	19	58.5	14.7	52.2	11.2	55.4	13.0
2003	6	20	54.0	12.2	50.6	10.3	52.3	11.3
2003	6	21	52.9	11.6	48.2	9.0	50.8	10.4
2003	6	22	58.0	14.4	49.0	9.4	53.5	11.9
2003	6	23	58.1	14.5	49.3	9.6	53.2	11.8
2003	6	24	63.1	17.3	50.3	10.2	56.6	13.7
2003	6	25	64.4	18.0	51.9	11.1	58.2	14.6
2003	6	26	65.8	18.8	58.7	14.8	62.8	17.1
2003	6	27	63.4	17.4	49.3	9.6	57.6	14.2
2003	6	28	53.7	12.1	49.2	9.6	51.0	10.6
2003	6	29	59.7	15.4	52.5	11.4	56.2	13.4
2003	6	30	60.8	16.0	53.2	11.8	57.0	13.9
2003	7	1	58.8	14.9	51.9	11.1	55.0	12.8
2003	7	2	59.2	15.1	53.7	12.1	55.8	13.2
2003	7	3	61.2	16.2	54.1	12.3	57.6	14.2
2003	7	4	68.7	20.4	58.3	14.6	63.0	17.2
2003	7	5	65.1	18.4	61.4	16.3	63.6	17.6
2003	7	6	64.6	18.1	58.8	14.9	61.8	16.5
2003	7	7	66.3	19.1	60.8	16.0	63.7	17.6
2003	7	8	66.8	19.3	60.6	15.9	64.4	18.0
2003	7	9	66.4	19.1	54.8	12.7	59.0	15.0
2003	7	10	57.6	14.2	52.8	11.6	55.3	13.0
2003	7	11	63.9	17.7	52.5	11.4	58.0	14.5
2003	7	12	56.2	13.4	51.1	10.6	53.0	11.6
2003	7	13	55.3	12.9	50.3	10.2	52.3	11.3
2003	7	14	55.9	13.3	51.0	10.6	53.2	11.8
2003	7	15	59.0	15.0	52.7	11.5	56.4	13.5
2003	7	16	64.9	18.3	52.6	11.4	59.5	15.3
2003	7	17	57.7	14.3	49.8	9.9	53.4	11.9

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	18	62.0	16.7	55.4	13.0	58.9	15.0
2003	7	19	59.6	15.3	47.6	8.7	52.0	11.1
2003	7	20	55.8	13.2	47.8	8.8	51.7	10.9
2003	7	21	63.7	17.6	55.7	13.2	61.1	16.2
2003	7	22	62.6	17.0	57.7	14.3	60.3	15.7
2003	7	23	63.3	17.4	60.5	15.8	62.0	16.7
2003	7	24	61.6	16.4	53.9	12.2	58.3	14.6
2003	7	25	58.2	14.6	51.0	10.6	54.7	12.6
2003	7	26	62.7	17.1	52.8	11.6	57.4	14.1
2003	7	27	65.1	18.4	59.1	15.1	62.4	16.9
2003	7	28	65.5	18.6	50.0	10.0	56.9	13.8
2003	7	29	57.4	14.1	49.4	9.7	52.4	11.3
2003	7	30	57.3	14.1	52.0	11.1	54.0	12.2
2003	7	31	62.1	16.7	51.2	10.7	55.2	12.9
2003	8	1	68.4	20.2	58.2	14.6	63.8	17.7
2003	8	2	67.5	19.7	64.0	17.8	65.4	18.5
2003	8	3	68.5	20.3	63.6	17.6	65.9	18.9
2003	8	4	67.5	19.7	64.1	17.8	66.2	19.0
2003	8	5	67.3	19.6	61.9	16.6	63.9	17.7
2003	8	6	63.8	17.7	59.0	15.0	61.7	16.5
2003	8	7	64.4	18.0	58.8	14.9	62.1	16.7
2003	8	8	65.5	18.6	61.0	16.1	63.0	17.2
2003	8	9	67.7	19.8	63.7	17.6	65.6	18.7
2003	8	10	66.7	19.3	63.9	17.7	65.4	18.6
2003	8	11	67.4	19.7	63.5	17.5	64.8	18.2
2003	8	12	67.9	19.9	63.7	17.6	65.2	18.4
2003	8	13	68.1	20.1	63.0	17.2	65.4	18.6
2003	8	14	66.5	19.2	60.9	16.1	63.6	17.6
2003	8	15	66.0	18.9	59.9	15.5	63.2	17.3
2003	8	16	67.5	19.7	58.0	14.4	63.2	17.3
2003	8	17	61.9	16.6	56.5	13.6	59.7	15.4
2003	8	18	58.4	14.7	52.7	11.5	55.5	13.1
2003	8	19	61.3	16.3	53.0	11.7	56.8	13.8
2003	8	20	63.9	17.7	54.7	12.6	58.8	14.9
2003	8	21	67.0	19.4	58.7	14.8	63.3	17.4
2003	8	22	69.3	20.7	62.7	17.1	66.0	18.9
2003	8	23	62.1	16.7	39.2	4.0	50.5	10.3
2003	8	24	50.4	10.2	40.8	4.9	45.6	7.6
2003	8	25	64.9	18.3	50.3	10.2	56.3	13.5
2003	8	26	65.7	18.7	58.3	14.6	62.0	16.7
2003	8	27	64.8	18.2	61.1	16.2	62.9	17.2
2003	8	28	57.0	13.9	47.0	8.3	52.8	11.5
2003	8	29	68.4	20.2	51.8	11.0	61.2	16.2
2003	8	30	65.0	18.3	50.7	10.4	60.2	15.7
2003	8	31	55.1	12.8	46.3	7.9	49.7	9.9
2003	9	1	60.8	16.0	55.2	12.9	58.3	14.6
2003	9	2	63.0	17.2	53.5	11.9	57.0	13.9
2003	9	3	61.3	16.3	54.1	12.3	57.4	14.1

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	9	4	63.5	17.5	55.8	13.2	61.3	16.3
2003	9	5	56.5	13.6	48.3	9.1	52.2	11.2
2003	9	6	56.5	13.6	46.0	7.8	50.4	10.2
2003	9	7	56.3	13.5	47.7	8.7	51.8	11.0
2003	9	8	58.1	14.5	51.5	10.8	55.0	12.8
2003	9	9	55.1	12.8	46.6	8.1	50.9	10.5
2003	9	10	55.2	12.9	46.5	8.1	49.8	9.9
2003	9	11	57.3	14.1	48.8	9.3	53.6	12.0
2003	9	12	55.7	13.2	45.6	7.6	49.2	9.6
2003	9	13	65.2	18.4	49.2	9.6	59.7	15.4
2003	9	14	65.8	18.8	62.8	17.1	64.1	17.8
2003	9	15	65.1	18.4	61.0	16.1	63.5	17.5
2003	9	16	60.9	16.1	42.0	5.6	51.6	10.9
2003	9	17	53.5	11.9	47.4	8.6	49.9	9.9
2003	9	18	55.4	13.0	48.3	9.1	51.9	11.1
2003	9	19	64.4	18.0	56.3	13.5	60.4	15.8
2003	9	20	60.6	15.9	48.6	9.2	55.8	13.2
2003	9	21	56.7	13.7	46.1	7.8	50.8	10.4
2003	9	22	61.4	16.3	51.2	10.7	55.8	13.2
2003	9	23	62.9	17.2	42.4	5.8	53.6	12.0
2003	9	24	50.1	10.1	43.1	6.2	45.9	7.7
2003	9	25	59.5	15.3	46.4	8.0	53.2	11.8
2003	9	26	59.0	15.0	50.0	10.0	53.5	11.9
2003	9	27	62.1	16.7	56.1	13.4	59.4	15.2
2003	9	28	57.8	14.3	48.6	9.2	52.2	11.2
2003	9	29	48.1	8.9	39.4	4.1	43.4	6.3
2003	9	30	41.8	5.4	34.9	1.6	39.2	4.0
2003	10	1	44.0	6.7	37.1	2.8	40.6	4.8
2003	10	2	38.5	3.6	25.3	-3.7	32.9	0.5
2003	10	3	34.0	1.1	27.6	-2.4	31.3	-0.4
2003	10	4	43.9	6.6	32.1	0.1	39.9	4.4
2003	10	5	39.6	4.2	30.6	-0.8	35.3	1.8
2003	10	6	36.5	2.5	29.4	-1.4	33.1	0.6
2003	10	7	43.6	6.4	31.7	-0.2	36.9	2.7
2003	10	8	50.0	10.0	38.8	3.8	44.3	6.9
2003	10	9	57.1	13.9	42.2	5.7	49.8	9.9
2003	10	10	54.1	12.3	47.3	8.5	51.2	10.7
2003	10	11	51.5	10.8	40.7	4.8	46.0	7.8
2003	10	12	53.0	11.7	41.2	5.1	46.7	8.1
2003	10	13	46.4	8.0	42.1	5.6	43.7	6.5
2003	10	14	51.5	10.8	40.9	4.9	43.5	6.4
2003	10	15	51.3	10.7	27.3	-2.6	38.4	3.6
2003	10	16	39.4	4.1	33.3	0.7	35.7	2.0
2003	10	21	47.7	8.7	40.6	4.8	43.1	6.2
2003	10	22	42.9	6.1	21.1	-6.1	33.0	0.6
2003	10	23	25.2	-3.8	17.9	-7.8	21.3	-6.0
2003	10	24	30.3	-0.9	20.2	-6.6	26.2	-3.2
2003	10	25	39.3	4.1	27.8	-2.3	32.9	0.5

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	26	55.5	13.1	40.0	4.4	51.0	10.5
2003	10	27	56.2	13.4	38.4	3.6	50.0	10.0
2003	10	28	37.3	2.9	28.6	-1.9	33.7	0.9
2003	10	29	44.2	6.8	29.9	-1.2	41.4	5.2
2003	10	30	37.7	3.2	29.3	-1.5	32.9	0.5
2003	10	31	45.4	7.4	35.0	1.7	40.6	4.8
2003	11	1	55.0	12.8	42.5	5.8	48.4	9.1
2003	11	2	54.8	12.7	45.8	7.7	50.1	10.1
2003	11	3	68.1	20.1	48.5	9.2	55.8	13.2
2003	11	4	65.6	18.7	45.6	7.6	53.5	12.0
2003	11	5	57.5	14.2	51.5	10.8	54.7	12.6
2003	11	6	56.5	13.6	45.2	7.3	48.4	9.1
2003	11	7	44.9	7.2	36.3	2.4	42.0	5.5
2003	11	8	36.1	2.3	10.6	-11.9	22.9	-5.1
2003	11	9	17.9	-7.8	11.2	-11.6	15.2	-9.3
2003	11	10	22.7	-5.2	14.3	-9.8	18.3	-7.6
2003	11	11	39.0	3.9	22.6	-5.2	31.2	-0.4
2003	11	12	48.8	9.3	39.0	3.9	43.2	6.2
2003	11	13	49.5	9.7	17.8	-7.9	27.8	-2.4
2003	11	14	21.8	-5.7	13.4	-10.3	18.0	-7.8
2003	11	15	27.7	-2.4	22.6	-5.2	25.6	-3.6
2003	11	16	32.3	0.2	25.9	-3.4	29.4	-1.4
2003	11	17	40.0	4.4	33.0	0.6	37.7	3.2
2003	11	18	44.3	6.8	36.7	2.6	39.5	4.2
2003	11	19	55.7	13.2	43.5	6.4	50.8	10.5
2003	11	20	40.3	4.6	28.0	-2.2	31.5	-0.3
2003	11	21	39.1	3.9	26.8	-2.9	33.3	0.7
2003	11	22	40.3	4.6	32.7	0.4	36.8	2.6
2003	11	23	41.9	5.5	32.6	0.3	37.3	2.9
2003	11	24	43.9	6.6	29.0	-1.7	37.4	3.0
2003	11	25	28.9	-1.7	18.9	-7.3	22.2	-5.5
2003	11	26	29.0	-1.7	22.9	-5.1	25.5	-3.6
2003	11	27	34.8	1.6	24.3	-4.3	28.8	-1.8
2003	11	28	52.4	11.3	33.9	1.1	43.1	6.2
2003	11	29	33.0	0.6	19.6	-6.9	24.5	-4.2
2003	11	30	26.6	-3.0	19.0	-7.2	22.5	-5.3
2003	12	1	29.9	-1.2	14.7	-9.6	22.9	-5.1
2003	12	2	22.3	-5.4	1.7	-16.8	12.3	-10.9
2003	12	3	11.9	-11.2	4.1	-15.5	7.5	-13.6
2003	12	4	17.6	-8.0	10.4	-12.0	14.2	-9.9
2003	12	5	24.5	-4.2	16.2	-8.8	20.3	-6.5
2003	12	6	20.4	-6.4	14.9	-9.5	16.8	-8.5
2003	12	7	15.0	-9.4	9.7	-12.4	11.9	-11.2
2003	12	8	16.6	-8.6	8.3	-13.2	12.1	-11.1
2003	12	9	19.4	-7.0	16.5	-8.6	18.1	-7.7
2003	12	10	44.3	6.8	19.8	-6.8	28.9	-1.8
2003	12	11	48.9	9.4	22.6	-5.2	39.5	4.1
2003	12	12	22.3	-5.4	14.1	-9.9	17.6	-8.0

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	12	13	16.7	-8.5	7.0	-13.9	10.9	-11.7
2003	12	14	24.3	-4.3	8.1	-13.3	18.1	-7.7
2003	12	15	24.3	-4.3	16.1	-8.8	20.6	-6.3
2003	12	16	27.8	-2.3	17.6	-8.0	23.0	-5.0
2003	12	17	36.9	2.7	20.3	-6.5	29.4	-1.5
2003	12	18	21.1	-6.1	17.8	-7.9	18.8	-7.3
2003	12	19	20.8	-6.2	17.7	-7.9	19.6	-6.9
2003	12	20	21.3	-5.9	8.2	-13.2	16.9	-8.4
2003	12	21	14.7	-9.6	8.8	-12.9	12.6	-10.8
2003	12	22	25.7	-3.5	13.2	-10.4	19.0	-7.3
2003	12	23	34.6	1.4	25.8	-3.4	28.9	-1.7
2003	12	24	48.9	9.4	29.8	-1.2	40.5	4.7
2003	12	25	27.7	-2.4	18.1	-7.7	22.4	-5.3
2003	12	26	25.1	-3.8	15.9	-8.9	20.4	-6.4
2003	12	27	26.8	-2.9	17.6	-8.0	22.8	-5.1
2003	12	28	29.0	-1.7	18.2	-7.7	23.8	-4.6
2003	12	29	29.2	-1.6	22.1	-5.5	25.5	-3.6
2003	12	30	35.2	1.8	20.1	-6.6	26.8	-2.9
2003	12	31	24.3	-4.3	20.4	-6.4	22.1	-5.5
2004	1	1	23.3	-4.8	17.3	-8.2	20.3	-6.5
2004	1	2	33.2	0.7	22.4	-5.3	28.9	-1.7
2004	1	3	45.3	7.4	33.5	0.8	41.6	5.3
2004	1	4	44.3	6.8	29.7	-1.3	36.6	2.5
2004	1	5	34.6	1.4	25.7	-3.5	31.4	-0.3
2004	1	6	22.2	-5.4	-2.1	-18.9	14.1	-10.0
2004	1	7	6.4	-14.2	-4.2	-20.1	0.9	-17.3
2004	1	8	12.7	-10.7	4.4	-15.3	9.0	-12.8
2004	1	9	14.6	-9.7	-16.8	-27.1	-4.2	-20.1
2004	1	10	-6.7	-21.5	-13.6	-25.3	-11.0	-23.9
2004	1	11	17.1	-8.3	-6.4	-21.3	1.4	-17.0
2004	1	12	26.7	-2.9	13.0	-10.6	19.8	-6.8
2004	1	13	29.4	-1.4	-3.2	-19.6	18.6	-7.5
2004	1	14	6.6	-14.1	-8.5	-22.5	-1.8	-18.8
2004	1	15	5.0	-15.0	-18.2	-27.9	-3.4	-19.7
2004	1	16	2.8	-16.2	-17.9	-27.7	-7.0	-21.7
2004	1	17	15.2	-9.3	1.3	-17.1	6.3	-14.3
2004	1	18	25.5	-3.6	8.2	-13.2	19.1	-7.2
2004	1	19	8.8	-12.9	4.8	-15.1	6.8	-14.0
2004	1	20	9.6	-12.4	2.4	-16.4	4.3	-15.4
2004	1	21	6.7	-14.1	2.5	-16.4	4.3	-15.4
2004	1	22	25.6	-3.6	-2.3	-19.1	9.1	-12.7
2004	1	23	1.2	-17.1	-8.7	-22.6	-5.8	-21.0
2004	1	24	4.3	-15.4	-11.1	-23.9	-1.0	-18.3
2004	1	25	-1.5	-18.6	-11.6	-24.2	-6.4	-21.4
2004	1	26	9.5	-12.5	-3.2	-19.6	4.8	-15.1
2004	1	27	20.0	-6.7	9.4	-12.6	15.0	-9.5
2004	1	28	17.9	-7.8	6.8	-14.0	12.8	-10.7
2004	1	29	8.1	-13.3	-4.0	-20.0	2.4	-16.5

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	30	0.3	-17.6	-4.2	-20.1	-1.6	-18.7
2004	1	31	5.3	-14.8	-1.7	-18.7	2.0	-16.7
2004	2	1	12.8	-10.7	2.6	-16.3	8.1	-13.3
2004	2	2	19.5	-6.9	9.8	-12.3	15.7	-9.0
2004	2	3	32.6	0.3	17.0	-8.3	25.8	-3.4
2004	2	4	30.1	-1.1	14.3	-9.8	21.6	-5.8
2004	2	5	17.6	-8.0	8.4	-13.1	12.9	-10.6
2004	2	6	32.8	0.4	15.7	-9.1	27.1	-2.7
2004	2	7	30.7	-0.7	10.5	-11.9	23.6	-4.6
2004	2	8	9.4	-12.6	-2.0	-18.9	4.9	-15.1
2004	2	9	20.5	-6.4	4.5	-15.3	12.3	-10.9
2004	2	10	23.7	-4.6	16.6	-8.6	20.2	-6.6
2004	2	11	24.5	-4.2	9.3	-12.6	14.4	-9.8
2004	2	12	21.0	-6.1	10.6	-11.9	15.1	-9.4
2004	2	13	22.6	-5.2	16.8	-8.4	18.6	-7.5
2004	2	14	18.1	-7.7	14.1	-9.9	16.1	-8.8
2004	2	15	18.0	-7.8	-7.0	-21.7	1.6	-16.9
2004	2	16	5.5	-14.7	-9.4	-23.0	-1.0	-18.3
2004	2	17	14.9	-9.5	3.0	-16.1	8.2	-13.2
2004	2	18	15.0	-9.4	2.5	-16.4	11.3	-11.5
2004	2	19	24.5	-4.2	14.3	-9.8	20.3	-6.5
2004	2	20	29.1	-1.6	21.3	-5.9	24.4	-4.3
2004	2	21	32.1	0.1	23.7	-4.6	28.9	-1.7
2004	2	22	25.1	-3.8	14.6	-9.7	17.5	-8.0
2004	2	23	20.7	-6.3	12.2	-11.0	16.7	-8.5
2004	2	24	27.1	-2.7	4.2	-15.4	21.5	-5.9
2004	2	25	10.2	-12.1	2.3	-16.5	7.8	-13.5
2004	2	26	18.4	-7.6	7.6	-13.6	12.4	-10.9
2004	2	27	13.3	-10.4	6.8	-14.0	9.5	-12.5
2004	2	28	21.5	-5.8	11.1	-11.6	15.9	-9.0
2004	2	29	23.2	-4.9	16.6	-8.6	20.4	-6.4
2004	3	1	28.7	-1.8	20.9	-6.2	25.2	-3.8
2004	3	2	44.0	6.7	26.8	-2.9	33.4	0.8
2004	3	3	34.2	1.2	28.4	-2.0	32.1	0.0
2004	3	4	40.8	4.9	31.9	-0.1	36.7	2.6
2004	3	5	43.9	6.6	37.1	2.8	40.0	4.4
2004	3	6	50.5	10.3	25.3	-3.7	41.4	5.2
2004	3	7	33.4	0.8	22.6	-5.2	26.0	-3.3
2004	3	8	31.5	-0.3	24.2	-4.3	27.8	-2.3
2004	3	9	26.6	-3.0	22.8	-5.1	24.7	-4.1
2004	3	10	28.8	-1.8	22.8	-5.1	24.2	-4.4
2004	3	11	24.9	-3.9	18.7	-7.4	22.0	-5.5
2004	3	12	29.9	-1.2	12.0	-11.1	18.7	-7.4
2004	3	13	15.7	-9.1	4.5	-15.3	10.2	-12.1
2004	3	14	27.1	-2.7	9.4	-12.6	15.8	-9.0
2004	3	15	30.8	-0.7	13.9	-10.1	22.2	-5.4
2004	3	16	24.7	-4.1	16.9	-8.4	21.1	-6.0
2004	3	17	25.8	-3.4	20.0	-6.7	22.8	-5.1

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	18	24.7	-4.1	19.2	-7.1	21.3	-6.0
2004	3	19	27.1	-2.7	16.1	-8.8	22.5	-5.3
2004	3	20	35.1	1.7	15.3	-9.3	24.7	-4.0
2004	3	21	35.5	1.9	12.7	-10.7	24.0	-4.5
2004	3	22	12.1	-11.1	-2.7	-19.3	2.0	-16.7
2004	3	23	14.8	-9.6	5.6	-14.7	10.5	-11.9
2004	3	24	30.1	-1.1	15.2	-9.3	20.9	-6.2
2004	3	25	38.7	3.7	30.8	-0.7	35.4	1.9
2004	3	26	44.7	7.1	34.4	1.3	39.7	4.3
2004	3	27	51.8	11.0	39.9	4.4	45.8	7.7
2004	3	28	39.4	4.1	22.8	-5.1	33.6	0.9
2004	3	29	33.0	0.6	19.1	-7.2	27.7	-2.4
2004	3	30	33.0	0.6	17.1	-8.3	26.4	-3.1
2004	3	31	39.6	4.2	32.9	0.5	36.8	2.6
2004	4	1	40.1	4.5	37.7	3.2	38.7	3.7
2004	4	2	39.2	4.0	34.5	1.4	35.9	2.2
2004	4	3	37.1	2.8	32.9	0.5	34.9	1.6
2004	4	4	36.6	2.6	14.7	-9.6	28.0	-2.2
2004	4	7	33.0	0.6	25.8	-3.4	29.5	-1.4
2004	4	8	35.7	2.1	25.5	-3.6	30.3	-1.0
2004	4	9	37.7	3.2	16.2	-8.8	29.6	-1.3
2004	4	10	27.1	-2.7	22.3	-5.4	25.0	-3.9
2004	4	11	30.5	-0.8	23.3	-4.8	26.5	-3.1
2004	4	12	36.8	2.7	21.3	-5.9	30.1	-1.1
2004	4	13	49.2	9.6	34.7	1.5	40.5	4.7
2004	4	14	44.8	7.1	28.4	-2.0	36.2	2.3
2004	4	15	27.9	-2.3	11.6	-11.3	19.9	-6.8
2004	4	16	27.0	-2.8	16.9	-8.4	22.0	-5.6
2004	4	17	44.6	7.0	27.9	-2.3	36.4	2.4
2004	4	18	53.0	11.7	43.1	6.2	47.8	8.8
2004	4	19	50.3	10.2	30.7	-0.7	42.7	5.9
2004	4	20	51.1	10.6	33.7	0.9	38.8	3.8
2004	4	21	48.2	9.0	35.9	2.2	41.7	5.4
2004	4	22	53.1	11.7	44.6	7.0	49.5	9.7
2004	4	23	48.9	9.4	44.6	7.0	46.3	7.9
2004	4	24	46.5	8.1	25.9	-3.4	35.0	1.7
2004	4	25	37.3	2.9	22.8	-5.1	30.8	-0.7
2004	4	26	49.6	9.8	37.8	3.2	45.2	7.3
2004	4	27	45.5	7.5	27.2	-2.7	35.1	1.7
2004	4	28	30.4	-0.9	16.7	-8.5	21.7	-5.7
2004	4	29	44.5	6.9	28.3	-2.1	36.4	2.5
2004	4	30	51.0	10.6	42.0	5.6	46.1	7.8
2004	5	1	56.7	13.7	48.5	9.2	52.6	11.4
2004	5	2	59.5	15.3	53.4	11.9	57.2	14.0
2004	5	3	53.5	11.9	29.8	-1.2	36.5	2.5
2004	5	7	55.8	13.2	38.5	3.6	49.2	9.6
2004	5	8	38.9	3.8	27.7	-2.4	33.4	0.8
2004	5	9	55.5	13.1	37.1	2.8	48.0	8.9

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	10	58.0	14.4	51.4	10.8	54.9	12.7
2004	5	11	60.8	16.0	54.6	12.6	57.1	13.9
2004	5	12	62.1	16.7	57.4	14.1	60.0	15.5
2004	5	13	61.9	16.6	53.6	12.0	57.9	14.4
2004	5	14	62.3	16.8	58.7	14.8	60.4	15.8
2004	5	15	62.1	16.7	56.9	13.8	59.2	15.1
2004	5	16	56.6	13.7	51.0	10.6	53.0	11.7
2004	5	17	59.0	15.0	49.0	9.4	54.2	12.3
2004	5	18	62.5	16.9	57.7	14.3	59.6	15.4
2004	5	19	61.4	16.3	51.0	10.6	55.2	12.9
2004	5	20	57.2	14.0	48.5	9.2	52.2	11.2
2004	5	21	64.7	18.2	57.5	14.2	61.5	16.4
2004	5	22	65.2	18.4	59.1	15.1	62.0	16.6
2004	5	23	67.1	19.5	61.4	16.3	63.8	17.7
2004	5	24	63.8	17.7	54.9	12.7	60.0	15.5
2004	5	25	57.5	14.2	49.2	9.6	52.8	11.5
2004	5	26	60.7	15.9	57.0	13.9	58.9	14.9
2004	5	27	59.2	15.1	50.3	10.2	55.5	13.0
2004	5	28	61.0	16.1	41.3	5.2	54.2	12.3
2004	5	29	41.5	5.3	27.2	-2.7	32.8	0.5
2004	5	30	47.4	8.6	34.1	1.2	39.5	4.2
2004	5	31	50.8	10.4	41.3	5.2	47.4	8.5
2004	6	1	53.4	11.9	48.5	9.2	51.5	10.8
2004	6	2	54.5	12.5	48.7	9.3	51.2	10.7
2004	6	3	53.3	11.8	40.5	4.7	47.0	8.3
2004	6	4	50.7	10.4	32.5	0.3	42.1	5.6
2004	6	5	49.2	9.6	45.0	7.2	47.6	8.7
2004	6	6	52.5	11.4	45.7	7.6	48.7	9.3
2004	6	7	59.0	15.0	48.2	9.0	53.9	12.2
2004	6	8	61.2	16.2	53.0	11.7	56.8	13.8
2004	6	9	66.6	19.2	57.4	14.1	63.0	17.2
2004	6	10	64.4	18.0	53.5	11.9	60.3	15.7
2004	6	11	53.1	11.7	45.0	7.2	49.6	9.8
2004	6	12	50.6	10.3	37.2	2.9	43.2	6.2
2004	6	13	50.4	10.2	44.0	6.7	46.8	8.2
2004	6	14	66.4	19.1	50.7	10.4	59.1	15.1
2004	6	15	64.7	18.2	61.5	16.4	62.7	17.1
2004	6	16	68.4	20.2	59.9	15.5	62.8	17.1
2004	6	17	68.7	20.4	63.7	17.6	66.5	19.2
2004	6	18	66.6	19.2	59.9	15.5	64.5	18.1
2004	6	19	64.0	17.8	35.9	2.2	52.4	11.4
2004	6	20	47.6	8.7	39.2	4.0	41.6	5.3
2004	6	21	52.1	11.2	42.7	5.9	46.8	8.2
2004	6	22	65.4	18.6	54.7	12.6	60.6	15.9
2004	6	23	61.6	16.4	49.2	9.6	54.9	12.7
2004	6	24	58.8	14.9	51.0	10.6	54.1	12.3
2004	6	25	58.3	14.6	49.7	9.8	55.4	13.0
2004	6	26	60.1	15.6	40.5	4.7	50.9	10.5

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	27	50.2	10.1	41.5	5.3	45.3	7.4
2004	6	28	55.9	13.3	46.8	8.2	51.3	10.7
2004	6	29	53.4	11.9	47.9	8.8	50.2	10.1
2004	6	30	57.2	14.0	49.1	9.5	53.1	11.7
2004	7	1	60.4	15.8	52.7	11.5	57.1	13.9
2004	7	2	62.8	17.1	55.0	12.8	59.2	15.1
2004	7	3	59.8	15.4	46.7	8.2	53.4	11.9
2004	7	4	61.1	16.2	56.4	13.6	58.6	14.8
2004	7	5	67.3	19.6	59.7	15.4	63.0	17.2
2004	7	6	58.6	14.8	49.6	9.8	54.1	12.3
2004	7	7	67.3	19.6	55.3	12.9	61.1	16.2
2004	7	8	63.7	17.6	54.5	12.5	59.9	15.5
2004	7	9	58.0	14.4	49.7	9.8	53.0	11.7
2004	7	10	59.6	15.3	51.7	10.9	55.1	12.9
2004	7	11	64.4	18.0	55.9	13.3	59.1	15.1
2004	7	12	62.1	16.7	58.8	14.9	60.6	15.9
2004	7	13	62.4	16.9	58.4	14.7	60.0	15.6
2004	7	14	63.0	17.2	58.2	14.6	60.8	16.0
2004	7	15	60.4	15.8	53.7	12.1	56.8	13.8
2004	7	16	62.0	16.7	52.8	11.6	57.2	14.0
2004	7	17	62.1	16.7	53.0	11.7	57.9	14.4
2004	7	18	60.6	15.9	56.1	13.4	58.5	14.7
2004	7	19	60.4	15.8	56.9	13.8	58.7	14.8
2004	7	20	61.5	16.4	54.0	12.2	58.8	14.9
2004	7	21	64.6	18.1	55.5	13.1	59.8	15.5
2004	7	22	65.1	18.4	59.9	15.5	63.1	17.3
2004	7	23	66.9	19.4	60.5	15.8	64.6	18.1
2004	7	24	58.3	14.6	45.3	7.4	50.6	10.3
2004	7	25	59.7	15.4	50.2	10.1	55.0	12.8
2004	7	26	59.7	15.4	55.6	13.1	57.2	14.0
2004	7	27	62.0	16.7	52.4	11.3	58.2	14.6
2004	7	28	62.1	16.7	58.4	14.7	60.1	15.6
2004	7	29	63.1	17.3	57.1	13.9	59.2	15.1
2004	7	30	67.3	19.6	57.8	14.3	63.3	17.4
2004	7	31	67.2	19.6	63.8	17.7	65.6	18.7
2004	8	1	67.3	19.6	64.6	18.1	65.4	18.5
2004	8	2	67.4	19.7	59.4	15.2	62.7	17.1
2004	8	3	66.3	19.1	61.0	16.1	63.3	17.4
2004	8	4	64.2	17.9	60.0	15.6	62.0	16.7
2004	8	5	60.6	15.9	43.2	6.2	53.1	11.7
2004	8	6	49.3	9.6	41.1	5.1	44.5	6.9
2004	8	7	49.1	9.5	43.0	6.1	46.8	8.2
2004	8	8	58.3	14.6	48.7	9.3	51.6	10.9
2004	8	9	57.6	14.2	49.2	9.6	53.0	11.6
2004	8	10	61.2	16.2	54.8	12.7	58.2	14.6
2004	8	11	62.9	17.2	59.5	15.3	60.9	16.1
2004	8	12	62.8	17.1	59.6	15.3	61.3	16.3
2004	8	13	61.4	16.3	57.7	14.3	59.7	15.4

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	14	59.6	15.3	53.5	11.9	56.2	13.4
2004	8	15	59.9	15.5	57.0	13.9	58.0	14.4
2004	8	16	59.4	15.2	55.1	12.8	56.8	13.8
2004	8	17	57.1	13.9	51.4	10.8	54.0	12.2
2004	8	18	60.3	15.7	55.1	12.8	56.9	13.8
2004	8	19	64.0	17.8	58.4	14.7	61.7	16.5
2004	8	20	65.8	18.8	59.7	15.4	62.6	17.0
2004	8	21	64.8	18.2	53.5	11.9	59.2	15.1
2004	8	22	52.5	11.4	45.9	7.7	49.2	9.6
2004	8	23	61.2	16.2	48.1	8.9	54.3	12.4
2004	8	24	64.8	18.2	58.3	14.6	60.6	15.9
2004	8	25	61.4	16.3	52.8	11.6	57.9	14.4
2004	8	26	60.7	15.9	47.3	8.5	56.4	13.5
2004	8	27	66.3	19.1	59.4	15.2	63.5	17.5
2004	8	28	68.4	20.2	61.8	16.6	64.9	18.3
2004	8	29	68.2	20.1	62.0	16.7	64.4	18.0
2004	8	30	67.3	19.6	62.2	16.8	64.4	18.0
2004	8	31	63.1	17.3	53.1	11.7	57.4	14.1
2004	9	1	56.7	13.7	51.9	11.1	53.9	12.2
2004	9	2	57.7	14.3	49.1	9.5	53.0	11.7
2004	9	3	59.7	15.4	51.7	10.9	55.6	13.1
2004	9	4	63.3	17.4	52.6	11.4	58.2	14.6
2004	9	5	60.5	15.8	51.6	10.9	57.2	14.0
2004	9	6	55.4	13.0	47.9	8.8	51.5	10.8
2004	9	7	63.6	17.6	55.7	13.2	59.0	15.0
2004	9	8	64.1	17.8	61.3	16.3	62.4	16.9
2004	9	9	66.3	19.1	53.7	12.1	62.9	17.2
2004	9	10	57.1	13.9	52.4	11.3	54.6	12.6
2004	9	11	54.5	12.5	50.2	10.1	52.6	11.4
2004	9	12	59.3	15.2	51.3	10.7	54.6	12.6
2004	9	13	59.7	15.4	52.7	11.5	56.1	13.4
2004	9	14	58.1	14.5	51.8	11.0	55.4	13.0
2004	9	15	57.8	14.3	50.7	10.4	53.8	12.1
2004	9	16	60.4	15.8	57.5	14.2	59.2	15.1
2004	9	17	63.6	17.6	55.5	13.1	59.2	15.1
2004	9	18	55.5	13.1	38.1	3.4	49.0	9.4
2004	9	19	40.3	4.6	34.5	1.4	37.1	2.8
2004	9	20	50.3	10.2	38.7	3.7	43.4	6.3
2004	9	21	56.9	13.8	43.8	6.6	48.6	9.2
2004	9	22	55.1	12.8	44.0	6.7	49.7	9.8
2004	9	23	62.1	16.7	48.7	9.3	55.0	12.8
2004	9	24	59.3	15.2	53.8	12.1	57.1	13.9
2004	9	25	59.7	15.4	51.9	11.1	56.2	13.5
2004	9	26	59.5	15.3	48.4	9.1	52.0	11.1
2004	9	27	58.2	14.6	46.5	8.1	51.8	11.0
2004	9	28	58.6	14.8	55.0	12.8	57.9	14.4
2004	9	29	55.7	13.2	50.2	10.1	52.7	11.5
2004	9	30	54.1	12.3	42.6	5.9	49.2	9.6

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	10	1	48.9	9.4	38.3	3.5	43.7	6.5
2004	10	2	56.7	13.7	44.2	6.8	51.9	11.1
2004	10	3	44.1	6.7	37.2	2.9	40.4	4.7
2004	10	4	48.6	9.2	36.6	2.6	40.5	4.7
2004	10	5	36.6	2.6	26.7	-2.9	32.4	0.2
2004	10	6	39.8	4.3	30.8	-0.7	34.1	1.2
2004	10	7	48.6	9.2	34.6	1.4	41.0	5.0
2004	10	8	50.0	10.0	42.0	5.6	46.3	8.0
2004	10	9	51.2	10.7	43.2	6.2	47.6	8.7
2004	10	10	50.6	10.3	35.4	1.9	40.8	4.9
2004	10	11	37.5	3.1	30.9	-0.6	33.1	0.6
2004	10	12	37.0	2.8	30.3	-0.9	33.2	0.7
2004	10	13	43.2	6.2	32.9	0.5	37.6	3.1
2004	10	14	46.6	8.1	41.8	5.4	44.4	6.9
2004	10	15	50.5	10.3	42.4	5.8	46.7	8.2
2004	10	16	41.5	5.3	33.6	0.9	38.2	3.4
2004	10	17	32.8	0.4	27.7	-2.4	30.0	-1.1
2004	10	18	40.3	4.6	30.3	-0.9	33.7	1.0
2004	10	19	40.2	4.6	38.7	3.7	39.5	4.2
2004	10	20	41.7	5.4	38.2	3.4	39.5	4.2
2004	10	21	41.0	5.0	38.1	3.4	40.1	4.5
2004	10	22	38.9	3.8	33.1	0.6	36.1	2.3
2004	10	23	33.8	1.0	29.7	-1.3	31.4	-0.3
2004	10	24	36.7	2.6	29.7	-1.3	32.6	0.3
2004	10	25	42.6	5.9	36.9	2.7	39.9	4.4
2004	10	26	42.6	5.9	38.3	3.5	40.3	4.6
2004	10	27	40.5	4.7	35.2	1.8	37.5	3.1
2004	10	28	37.9	3.3	26.7	-2.9	32.8	0.5
2004	10	29	45.1	7.3	31.5	-0.3	39.0	3.9
2004	10	30	54.9	12.7	45.8	7.7	50.1	10.1
2004	10	31	54.6	12.6	35.5	1.9	42.7	5.9
2004	11	1	35.6	2.0	32.9	0.5	34.3	1.3
2004	11	2	48.6	9.2	31.9	-0.1	37.8	3.2
2004	11	4	39.1	3.9	26.6	-3.0	32.1	0.1
2004	11	5	39.8	4.3	19.4	-7.0	26.6	-3.0
2004	11	6	31.7	-0.2	23.5	-4.7	27.6	-2.4
2004	11	7	40.7	4.8	29.7	-1.3	35.6	2.0
2004	11	8	34.7	1.5	11.4	-11.4	19.2	-7.1
2004	11	9	24.4	-4.2	11.9	-11.2	16.5	-8.6
2004	11	10	25.5	-3.6	17.6	-8.0	20.1	-6.6
2004	11	11	34.3	1.3	26.1	-3.3	29.3	-1.5
2004	11	12	32.1	0.1	29.0	-1.7	30.6	-0.8
2004	11	13	28.9	-1.7	10.2	-12.1	18.4	-7.5
2004	11	14	22.1	-5.5	10.6	-11.9	17.6	-8.0
2004	11	15	26.3	-3.2	19.4	-7.0	23.1	-5.0
2004	11	16	28.7	-1.8	22.7	-5.2	25.8	-3.4
2004	11	17	34.6	1.4	24.8	-4.0	29.4	-1.5
2004	11	18	44.6	7.0	34.6	1.4	40.8	4.9

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	19	44.4	6.9	36.4	2.4	41.1	5.0
2004	11	20	41.2	5.1	35.8	2.1	38.8	3.8
2004	11	21	45.5	7.5	38.0	3.3	42.5	5.8
2004	11	22	38.2	3.4	32.5	0.3	34.8	1.6
2004	11	23	40.3	4.6	29.4	-1.4	34.6	1.5
2004	11	24	54.2	12.3	40.8	4.9	45.7	7.6
2004	11	25	54.6	12.6	15.3	-9.3	38.3	3.5
2004	11	26	24.2	-4.3	11.5	-11.4	18.4	-7.6
2004	11	27	38.0	3.3	18.2	-7.7	24.4	-4.2
2004	11	28	47.8	8.8	24.6	-4.1	37.5	3.0
2004	11	29	26.5	-3.1	19.8	-6.8	22.9	-5.0
2004	11	30	30.4	-0.9	26.4	-3.1	27.6	-2.5
2004	12	1	41.8	5.4	22.2	-5.4	31.8	-0.1
2004	12	2	24.9	-3.9	20.8	-6.2	23.0	-5.0
2004	12	3	25.8	-3.4	12.5	-10.8	20.0	-6.7
2004	12	4	22.6	-5.2	13.6	-10.2	18.2	-7.7
2004	12	5	29.9	-1.2	21.4	-5.9	25.0	-3.9
2004	12	6	33.2	0.7	18.1	-7.7	25.8	-3.5
2004	12	7	43.2	6.2	32.6	0.3	35.8	2.1
2004	12	8	42.3	5.7	26.0	-3.3	34.4	1.3
2004	12	9	36.1	2.3	26.9	-2.8	29.5	-1.4
2004	12	10	37.4	3.0	35.9	2.2	36.7	2.6
2004	12	11	39.6	4.2	28.7	-1.8	34.9	1.6
2004	12	12	29.0	-1.7	22.6	-5.2	25.9	-3.4
2004	12	13	30.0	-1.1	18.2	-7.7	24.4	-4.2
2004	12	14	23.8	-4.6	7.0	-13.9	13.8	-10.1
2004	12	15	16.2	-8.8	3.2	-16.0	10.9	-11.7
2004	12	16	14.5	-9.7	7.6	-13.6	12.2	-11.0
2004	12	17	23.3	-4.8	11.7	-11.3	16.2	-8.8
2004	12	18	21.8	-5.7	13.2	-10.4	17.5	-8.1
2004	12	19	29.6	-1.3	-1.2	-18.4	19.7	-6.8
2004	12	20	-4.4	-20.2	-15.8	-26.6	-11.8	-24.3
2004	12	21	13.4	-10.3	-6.7	-21.5	3.4	-15.9
2004	12	22	26.7	-2.9	12.6	-10.8	19.6	-6.9
2004	12	23	49.8	9.9	17.0	-8.3	37.6	3.1
2004	12	24	16.9	-8.4	6.7	-14.1	10.8	-11.8
2004	12	25	11.2	-11.6	1.5	-16.9	5.1	-15.0
2004	12	26	14.0	-10.0	5.6	-14.7	8.9	-12.8
2004	12	27	10.0	-12.2	-6.8	-21.6	0.7	-17.4
2004	12	28	10.1	-12.2	-3.4	-19.7	4.9	-15.0
2004	12	29	23.3	-4.8	9.3	-12.6	16.0	-8.9
2004	12	30	28.5	-1.9	24.1	-4.4	27.1	-2.7
2004	12	31	37.2	2.9	27.5	-2.5	32.7	0.4
2005	1	1	39.2	4.0	22.2	-5.4	32.3	0.2
2005	1	2	34.9	1.6	22.7	-5.2	25.9	-3.4
2005	1	3	39.4	4.1	35.0	1.7	37.0	2.8
2005	1	4	39.3	4.1	31.9	-0.1	35.9	2.1
2005	1	5	31.4	-0.3	24.0	-4.4	28.2	-2.1

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	6	30.1	-1.1	24.8	-4.0	28.3	-2.1
2005	1	7	30.3	-0.9	17.5	-8.1	20.9	-6.2
2005	1	8	31.9	-0.1	23.3	-4.8	27.8	-2.3
2005	1	9	25.6	-3.6	20.8	-6.2	22.8	-5.1
2005	1	10	30.4	-0.9	24.2	-4.3	27.3	-2.6
2005	1	11	28.9	-1.7	24.1	-4.4	25.8	-3.4
2005	1	12	33.5	0.8	29.3	-1.5	31.7	-0.2
2005	1	13	52.4	11.3	33.2	0.7	42.7	6.0
2005	1	14	54.0	12.2	15.5	-9.2	31.9	-0.1
2005	1	15	15.1	-9.4	5.7	-14.6	9.3	-12.6
2005	1	16	17.9	-7.8	12.4	-10.9	14.7	-9.6
2005	1	17	14.4	-9.8	-4.6	-20.3	5.5	-14.7
2005	1	18	-1.4	-18.6	-15.1	-26.2	-9.7	-23.1
2005	1	19	12.8	-10.7	-7.8	-22.1	1.9	-16.8
2005	1	20	13.6	-10.2	0.2	-17.7	7.8	-13.4
2005	1	21	0.3	-17.6	-11.9	-24.4	-6.8	-21.6
2005	1	22	12.4	-10.9	-10.8	-23.8	-0.8	-18.2
2005	1	23	9.8	-12.3	-7.1	-21.7	-0.1	-17.8
2005	1	24	10.1	-12.2	-8.3	-22.4	-0.2	-17.9
2005	1	25	17.9	-7.8	7.0	-13.9	14.5	-9.7
2005	1	26	23.5	-4.7	2.5	-16.4	16.6	-8.5
2005	1	27	1.3	-17.1	-12.6	-24.8	-7.8	-22.1
2005	1	28	1.7	-16.8	-12.3	-24.6	-4.4	-20.2
2005	1	29	14.8	-9.6	-6.9	-21.6	0.6	-17.5
2005	1	30	18.3	-7.6	7.2	-13.8	14.2	-9.9
2005	1	31	14.4	-9.8	7.0	-13.9	12.1	-11.0
2005	2	1	13.6	-10.2	3.6	-15.8	9.9	-12.3
2005	2	2	16.1	-8.8	4.8	-15.1	11.4	-11.4
2005	2	3	17.6	-8.0	11.1	-11.6	13.4	-10.3
2005	2	4	25.6	-3.6	15.1	-9.4	21.0	-6.1
2005	2	5	22.6	-5.2	16.0	-8.9	20.4	-6.5
2005	2	6	24.6	-4.1	18.9	-7.3	22.0	-5.6
2005	2	7	24.2	-4.3	19.8	-6.8	22.2	-5.5
2005	2	8	30.7	-0.7	23.1	-4.9	27.0	-2.8
2005	2	9	37.8	3.2	30.2	-1.0	33.8	1.0
2005	2	10	36.9	2.7	14.7	-9.6	24.1	-4.4
2005	2	11	14.3	-9.8	3.0	-16.1	7.0	-13.9
2005	2	12	26.1	-3.3	11.6	-11.3	19.9	-6.7
2005	2	13	16.9	-8.4	6.3	-14.3	10.8	-11.8
2005	2	14	39.2	4.0	9.1	-12.7	22.7	-5.2
2005	2	15	40.1	4.5	30.2	-1.0	33.4	0.8
2005	2	16	38.7	3.7	17.9	-7.8	29.3	-1.5
2005	2	17	23.1	-4.9	11.7	-11.3	16.9	-8.4
2005	2	18	11.4	-11.4	-1.2	-18.4	4.6	-15.2
2005	2	19	11.9	-11.2	-1.0	-18.3	4.4	-15.3
2005	2	20	24.3	-4.3	9.5	-12.5	14.3	-9.8
2005	2	21	29.3	-1.5	20.8	-6.2	25.4	-3.7
2005	2	22	28.2	-2.1	20.1	-6.6	24.8	-4.0

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	23	28.5	-1.9	10.1	-12.2	16.7	-8.5
2005	2	24	18.2	-7.7	7.3	-13.7	12.1	-11.0
2005	2	25	16.5	-8.6	10.2	-12.1	14.1	-10.0
2005	2	26	21.7	-5.7	7.5	-13.6	12.8	-10.7
2005	2	27	12.5	-10.8	4.2	-15.4	7.4	-13.7
2005	2	28	23.4	-4.8	8.0	-13.3	15.4	-9.2
2005	3	1	26.4	-3.1	19.6	-6.9	21.6	-5.8
2005	3	2	22.6	-5.2	11.7	-11.3	16.0	-8.9
2005	3	3	10.9	-11.7	1.4	-17.0	4.1	-15.5
2005	3	4	12.1	-11.1	3.4	-15.9	7.6	-13.5
2005	3	5	14.2	-9.9	4.2	-15.4	9.8	-12.3
2005	3	6	26.5	-3.1	11.0	-11.7	18.3	-7.6
2005	3	7	32.5	0.3	23.8	-4.6	26.5	-3.1
2005	3	8	39.0	3.9	-5.4	-20.8	16.2	-8.8
2005	3	9	4.7	-15.2	-6.8	-21.6	0.4	-17.6
2005	3	10	9.8	-12.3	0.9	-17.3	5.0	-15.0
2005	3	11	28.5	-1.9	10.2	-12.1	20.8	-6.3
2005	3	12	28.2	-2.1	14.3	-9.8	20.7	-6.3
2005	3	13	21.7	-5.7	10.2	-12.1	16.3	-8.7
2005	3	14	16.6	-8.6	6.6	-14.1	10.0	-12.2
2005	3	15	13.9	-10.1	8.0	-13.3	10.3	-12.1
2005	3	16	16.0	-8.9	8.7	-12.9	12.4	-10.9
2005	3	17	20.9	-6.2	14.8	-9.6	16.7	-8.5
2005	3	18	23.6	-4.7	16.3	-8.7	19.3	-7.1
2005	3	19	22.9	-5.1	16.1	-8.8	19.4	-7.0
2005	3	20	36.8	2.7	24.2	-4.3	32.2	0.1
2005	3	21	34.4	1.3	23.9	-4.5	28.6	-1.9
2005	3	22	27.0	-2.8	22.0	-5.6	24.4	-4.2
2005	3	23	30.6	-0.8	21.6	-5.8	26.6	-3.0
2005	3	24	29.1	-1.6	26.3	-3.2	27.3	-2.6
2005	3	25	30.8	-0.7	23.1	-4.9	27.7	-2.4
2005	3	26	27.8	-2.3	20.9	-6.2	24.0	-4.4
2005	3	27	35.3	1.8	26.1	-3.3	30.4	-0.9
2005	3	28	40.2	4.6	30.3	-0.9	34.9	1.6
2005	3	29	40.6	4.8	32.3	0.2	35.2	1.8
2005	3	30	33.5	0.8	25.8	-3.4	29.9	-1.2
2005	3	31	34.9	1.6	28.6	-1.9	31.1	-0.5
2005	4	1	38.6	3.7	32.5	0.3	35.9	2.1
2005	4	2	49.1	9.5	37.3	2.9	42.3	5.7
2005	4	3	44.9	7.2	27.7	-2.4	32.6	0.3
2005	4	4	29.0	-1.7	10.6	-11.9	21.6	-5.8
2005	4	5	29.0	-1.7	19.9	-6.7	24.3	-4.3
2005	4	6	40.9	4.9	29.3	-1.5	34.8	1.6
2005	4	7	51.0	10.6	38.9	3.8	43.4	6.3
2005	4	8	50.7	10.4	24.5	-4.2	32.9	0.5
2005	4	9	29.0	-1.7	11.3	-11.5	22.5	-5.3
2005	4	10	29.8	-1.2	18.0	-7.8	26.2	-3.2
2005	4	11	24.6	-4.1	9.7	-12.4	16.6	-8.6

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	12	20.1	-6.6	8.5	-13.1	14.2	-9.9
2005	4	13	23.0	-5.0	16.9	-8.4	20.0	-6.7
2005	4	14	27.1	-2.7	21.8	-5.7	24.2	-4.3
2005	4	15	30.2	-1.0	5.8	-14.6	17.4	-8.1
2005	4	16	24.3	-4.3	10.5	-11.9	17.3	-8.2
2005	4	17	26.8	-2.9	18.9	-7.3	23.5	-4.8
2005	4	18	36.1	2.3	26.9	-2.8	32.3	0.2
2005	4	19	41.8	5.4	31.1	-0.5	35.6	2.0
2005	4	20	48.8	9.3	41.5	5.3	43.7	6.5
2005	4	21	49.9	9.9	19.9	-6.7	28.0	-2.2
2005	4	22	35.2	1.8	25.0	-3.9	29.9	-1.2
2005	4	23	49.1	9.5	36.0	2.2	43.9	6.6
2005	4	24	43.9	6.6	26.1	-3.3	30.4	-0.9
2005	4	25	30.3	-0.9	25.3	-3.7	28.2	-2.1
2005	4	26	35.8	2.1	28.4	-2.0	31.8	-0.1
2005	4	27	45.2	7.3	28.4	-2.0	38.4	3.6
2005	4	28	32.7	0.4	24.2	-4.3	29.0	-1.7
2005	4	29	36.1	2.3	24.2	-4.3	30.1	-1.1
2005	4	30	49.2	9.6	35.5	1.9	43.0	6.1
2005	5	1	48.4	9.1	24.7	-4.1	33.4	0.8
2005	5	2	35.0	1.7	27.5	-2.5	30.3	-1.0
2005	5	3	30.0	-1.1	20.4	-6.4	26.5	-3.1
2005	5	7	33.0	0.6	26.0	-3.3	29.8	-1.2
2005	5	8	33.5	0.8	24.9	-3.9	29.4	-1.4
2005	5	9	43.6	6.4	33.9	1.1	37.9	3.3
2005	5	10	47.1	8.4	40.9	4.9	44.0	6.6
2005	5	11	53.8	12.1	44.2	6.8	48.9	9.4
2005	5	12	50.8	10.4	20.8	-6.2	33.1	0.6
2005	5	13	36.3	2.4	22.1	-5.5	27.3	-2.6
2005	5	14	56.8	13.8	37.3	2.9	47.1	8.4
2005	5	15	56.4	13.6	38.9	3.8	48.6	9.2
2005	5	16	42.3	5.7	32.3	0.2	35.8	2.1
2005	5	17	37.8	3.2	31.0	-0.6	34.2	1.2
2005	5	18	37.2	2.9	28.1	-2.2	32.6	0.3
2005	5	19	39.4	4.1	27.4	-2.6	32.9	0.5
2005	5	20	42.7	5.9	36.5	2.5	40.2	4.5
2005	5	21	44.3	6.8	33.4	0.8	39.8	4.3
2005	5	22	44.2	6.8	35.3	1.8	39.6	4.2
2005	5	23	43.8	6.6	37.5	3.1	39.4	4.1
2005	5	24	43.8	6.6	39.1	3.9	41.9	5.5
2005	5	25	42.5	5.8	39.6	4.2	41.2	5.1
2005	5	26	44.6	7.0	37.6	3.1	41.9	5.5
2005	5	27	49.3	9.6	40.6	4.8	44.1	6.7
2005	5	28	50.7	10.4	42.8	6.0	46.7	8.2
2005	5	29	48.5	9.2	44.0	6.7	45.8	7.7
2005	5	30	48.6	9.2	39.8	4.3	44.6	7.0
2005	5	31	52.6	11.4	43.1	6.2	46.7	8.2
2005	6	1	51.1	10.6	44.0	6.7	48.4	9.1

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	6	2	50.0	10.0	45.1	7.3	47.2	8.4
2005	6	3	55.2	12.9	48.8	9.3	52.0	11.1
2005	6	4	58.4	14.7	54.0	12.2	56.1	13.4
2005	6	5	63.9	17.7	54.5	12.5	58.5	14.7
2005	6	6	64.4	18.0	56.9	13.8	60.2	15.7
2005	6	7	61.3	16.3	55.7	13.2	58.2	14.6
2005	6	8	61.9	16.6	55.7	13.2	58.7	14.8
2005	6	9	64.6	18.1	59.0	15.0	61.9	16.6
2005	6	10	66.9	19.4	62.6	17.0	64.7	18.2
2005	6	11	69.1	20.6	65.3	18.5	66.9	19.4
2005	6	12	67.5	19.7	58.7	14.8	63.6	17.5
2005	6	13	67.3	19.6	59.5	15.3	63.5	17.5
2005	6	14	66.5	19.2	61.6	16.4	63.7	17.6
2005	6	15	65.6	18.7	53.5	11.9	57.8	14.3
2005	6	16	58.8	14.9	50.9	10.5	56.1	13.4
2005	6	17	51.0	10.6	44.3	6.8	46.8	8.2
2005	6	18	50.8	10.4	47.5	8.6	49.1	9.5
2005	6	19	53.1	11.7	47.5	8.6	49.7	9.8
2005	6	20	53.6	12.0	48.1	8.9	50.5	10.3
2005	6	21	53.8	12.1	48.4	9.1	50.8	10.5
2005	6	22	55.7	13.2	38.4	3.6	50.3	10.2
2005	6	23	48.4	9.1	39.4	4.1	42.8	6.0
2005	6	24	56.5	13.6	44.0	6.7	51.4	10.8
2005	6	25	60.5	15.8	54.1	12.3	57.0	13.9
2005	6	26	65.9	18.8	57.8	14.3	61.4	16.3
2005	6	27	64.6	18.1	57.2	14.0	61.3	16.3
2005	6	28	63.9	17.7	57.9	14.4	62.4	16.9
2005	6	29	63.9	17.7	60.5	15.8	62.7	17.0
2005	6	30	63.4	17.4	60.0	15.6	61.8	16.5
2005	7	1	62.7	17.1	58.1	14.5	60.5	15.8
2005	7	2	61.5	16.4	46.0	7.8	50.9	10.5
2005	7	3	50.3	10.2	45.7	7.6	48.2	9.0
2005	7	4	58.2	14.6	47.1	8.4	53.6	12.0
2005	7	5	64.1	17.8	56.2	13.4	60.8	16.0
2005	7	6	61.6	16.4	58.5	14.7	60.2	15.7
2005	7	7	60.5	15.8	57.8	14.3	58.9	15.0
2005	7	8	57.4	14.1	55.1	12.8	56.0	13.3
2005	7	9	56.9	13.8	51.9	11.1	54.1	12.3
2005	7	10	56.2	13.4	46.8	8.2	52.9	11.6
2005	7	11	66.4	19.1	49.3	9.6	57.0	13.9
2005	7	12	65.6	18.7	59.0	15.0	62.7	17.1
2005	7	13	65.0	18.3	59.5	15.3	62.1	16.7
2005	7	14	64.0	17.8	59.8	15.4	61.6	16.4
2005	7	15	64.1	17.8	60.2	15.7	62.5	17.0
2005	7	16	66.3	19.1	63.0	17.2	64.6	18.1
2005	7	17	69.1	20.6	64.4	18.0	66.2	19.0
2005	7	18	66.7	19.3	65.5	18.6	66.0	18.9
2005	7	19	66.5	19.2	61.0	16.1	64.2	17.9

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	20	61.7	16.5	54.1	12.3	58.4	14.6
2005	7	21	60.6	15.9	54.3	12.4	56.9	13.8
2005	7	22	64.5	18.1	58.0	14.4	61.3	16.3
2005	7	23	60.6	15.9	43.4	6.3	50.9	10.5
2005	7	24	53.8	12.1	47.0	8.3	49.6	9.8
2005	7	25	65.5	18.6	56.0	13.3	61.1	16.1
2005	7	26	66.8	19.3	55.5	13.1	61.1	16.1
2005	7	27	69.4	20.8	52.3	11.3	61.4	16.4
2005	7	28	52.6	11.4	46.6	8.1	49.7	9.8
2005	7	29	58.6	14.8	48.8	9.3	53.6	12.0
2005	7	30	56.2	13.4	49.2	9.6	52.8	11.6
2005	7	31	60.2	15.7	54.1	12.3	56.1	13.4
2005	8	1	61.9	16.6	56.3	13.5	59.0	15.0
2005	8	2	66.3	19.1	56.2	13.4	61.1	16.2
2005	8	3	64.2	17.9	59.1	15.1	61.5	16.4
2005	8	4	62.9	17.2	53.2	11.8	59.9	15.5
2005	8	5	64.6	18.1	58.5	14.7	61.8	16.6
2005	8	6	59.8	15.4	47.9	8.8	53.3	11.8
2005	8	7	62.0	16.7	54.5	12.5	58.2	14.6
2005	8	8	64.9	18.3	59.0	15.0	61.5	16.4
2005	8	9	60.4	15.8	57.8	14.3	58.8	14.9
2005	8	10	61.0	16.1	56.4	13.6	58.8	14.9
2005	8	11	61.7	16.5	57.2	14.0	60.0	15.5
2005	8	12	64.9	18.3	55.5	13.1	59.9	15.5
2005	8	13	65.8	18.8	59.5	15.3	62.3	16.8
2005	8	14	65.2	18.4	61.0	16.1	62.5	17.0
2005	8	15	58.6	14.8	53.2	11.8	54.9	12.7
2005	8	16	59.8	15.4	57.9	14.4	58.8	14.9
2005	8	17	57.8	14.3	49.0	9.4	53.4	11.9
2005	8	18	54.7	12.6	47.6	8.7	50.5	10.3
2005	8	19	59.0	15.0	54.6	12.6	56.6	13.7
2005	8	20	62.6	17.0	55.2	12.9	59.4	15.2
2005	8	21	63.7	17.6	47.3	8.5	57.4	14.1
2005	8	22	53.1	11.7	44.6	7.0	48.9	9.4
2005	8	23	49.3	9.6	44.6	7.0	46.9	8.3
2005	8	24	48.6	9.2	40.4	4.7	45.1	7.3
2005	8	25	48.1	8.9	42.3	5.7	44.7	7.1
2005	8	26	51.7	10.9	46.6	8.1	48.9	9.4
2005	8	27	56.8	13.8	47.7	8.7	51.9	11.0
2005	8	28	60.6	15.9	56.3	13.5	58.5	14.7
2005	8	29	63.2	17.3	54.7	12.6	59.6	15.4
2005	8	30	66.0	18.9	59.2	15.1	63.0	17.2
2005	8	31	65.1	18.4	56.4	13.6	62.5	16.9
2005	9	1	56.4	13.6	49.0	9.4	53.1	11.7
2005	9	2	55.9	13.3	43.8	6.6	49.9	10.0
2005	9	3	48.3	9.1	44.2	6.8	46.5	8.1
2005	9	4	50.7	10.4	44.7	7.1	47.2	8.4
2005	9	5	49.7	9.8	44.2	6.8	47.1	8.4

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	6	51.2	10.7	44.9	7.2	47.6	8.7
2005	9	7	51.0	10.6	45.1	7.3	48.4	9.1
2005	9	8	49.8	9.9	44.9	7.2	47.4	8.5
2005	9	9	52.1	11.2	44.0	6.7	47.6	8.7
2005	9	10	47.3	8.5	35.2	1.8	42.4	5.8
2005	9	11	44.8	7.1	37.4	3.0	41.3	5.2
2005	9	12	54.2	12.3	40.1	4.5	47.1	8.4
2005	9	13	56.0	13.3	48.6	9.2	51.3	10.7
2005	9	14	61.0	16.1	47.4	8.6	55.0	12.8
2005	9	15	61.5	16.4	55.8	13.2	58.9	15.0
2005	9	16	62.1	16.7	56.6	13.7	59.3	15.2
2005	9	17	59.5	15.3	51.9	11.1	56.5	13.6
2005	9	18	52.9	11.6	48.1	8.9	49.7	9.8
2005	9	19	51.9	11.1	44.6	7.0	47.5	8.6
2005	9	20	57.2	14.0	47.3	8.5	53.6	12.0
2005	9	21	51.1	10.6	44.0	6.7	46.8	8.2
2005	9	22	55.9	13.3	42.3	5.7	48.9	9.4
2005	9	23	56.0	13.3	40.7	4.8	52.7	11.5
2005	9	24	43.6	6.4	36.0	2.2	39.8	4.3
2005	9	25	53.3	11.8	40.5	4.7	48.3	9.1
2005	9	26	59.6	15.3	53.7	12.1	56.7	13.7
2005	9	27	57.0	13.9	34.3	1.3	40.8	4.9
2005	9	28	46.8	8.2	33.8	1.0	40.4	4.7
2005	9	29	51.2	10.7	28.8	-1.8	42.2	5.7
2005	9	30	37.8	3.2	31.3	-0.4	34.6	1.5
2005	10	1	44.1	6.7	33.4	0.8	39.4	4.1
2005	10	2	47.9	8.8	39.3	4.1	44.2	6.8
2005	10	3	49.0	9.4	41.5	5.3	44.9	7.2
2005	10	4	52.5	11.4	41.7	5.4	47.6	8.7
2005	10	5	54.7	12.6	48.0	8.9	50.8	10.5
2005	10	6	57.7	14.3	46.1	7.8	52.4	11.3
2005	10	7	59.4	15.2	56.5	13.6	58.1	14.5
2005	10	8	58.8	14.9	39.5	4.2	46.5	8.1
2005	10	9	42.8	6.0	38.8	3.8	40.5	4.7
2005	10	10	49.5	9.7	42.5	5.8	45.4	7.4
2005	10	11	49.6	9.8	46.6	8.1	47.9	8.8
2005	10	12	49.5	9.7	40.7	4.8	44.9	7.2
2005	10	13	48.7	9.3	40.8	4.9	45.4	7.4
2005	10	14	51.9	11.1	47.5	8.6	49.5	9.7
2005	10	15	48.7	9.3	29.6	-1.3	41.3	5.2
2005	10	16	36.5	2.5	31.8	-0.1	34.5	1.4
2005	10	17	36.0	2.2	32.3	0.2	34.0	1.1
2005	10	18	41.7	5.4	29.0	-1.7	36.5	2.5
2005	10	19	41.8	5.4	31.0	-0.6	36.5	2.5
2005	10	20	35.9	2.2	26.0	-3.3	29.6	-1.3
2005	10	21	34.9	1.6	31.0	-0.6	33.6	0.9
2005	10	22	37.5	3.1	31.7	-0.2	35.4	1.9
2005	10	23	35.7	2.1	29.7	-1.3	32.0	0.0

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	28	29.2	-1.6	22.0	-5.6	26.1	-3.3
2005	10	29	30.2	-1.0	23.2	-4.9	27.5	-2.5
2005	10	30	34.4	1.3	28.4	-2.0	31.5	-0.3
2005	10	31	32.5	0.3	25.2	-3.8	29.5	-1.4
2005	11	1	40.2	4.6	27.8	-2.3	33.5	0.8
2005	11	2	39.7	4.3	25.5	-3.6	31.2	-0.4
2005	11	3	34.5	1.4	24.2	-4.3	30.2	-1.0
2005	11	4	37.6	3.1	28.9	-1.7	33.6	0.9
2005	11	5	45.3	7.4	34.6	1.4	39.7	4.3
2005	11	6	46.6	8.1	36.1	2.3	42.0	5.5
2005	11	7	34.8	1.6	26.0	-3.3	29.3	-1.5
2005	11	8	35.6	2.0	24.2	-4.3	29.6	-1.4
2005	11	9	45.6	7.6	26.1	-3.3	33.8	1.0
2005	11	10	44.5	6.9	16.2	-8.8	25.0	-3.9
2005	11	11	20.0	-6.7	16.0	-8.9	18.0	-7.8
2005	11	12	26.3	-3.2	17.1	-8.3	21.3	-5.9
2005	11	13	32.8	0.4	22.6	-5.2	27.1	-2.7
2005	11	14	33.6	0.9	21.2	-6.0	26.9	-2.8
2005	11	15	49.2	9.6	22.8	-5.1	36.1	2.3
2005	11	16	50.7	10.4	23.0	-5.0	43.1	6.1
2005	11	17	20.4	-6.4	8.9	-12.8	12.7	-10.7
2005	11	18	14.4	-9.8	10.7	-11.8	12.1	-11.1
2005	11	19	16.8	-8.4	12.4	-10.9	14.1	-9.9
2005	11	20	21.8	-5.7	14.6	-9.7	17.8	-7.9
2005	11	21	24.4	-4.2	17.2	-8.2	20.7	-6.3
2005	11	22	27.9	-2.3	7.5	-13.6	21.8	-5.7
2005	11	23	9.9	-12.3	3.1	-16.1	6.1	-14.4
2005	11	24	23.0	-5.0	-5.6	-20.9	13.6	-10.2
2005	11	25	6.5	-14.2	-5.6	-20.9	1.3	-17.0
2005	11	26	14.6	-9.7	4.7	-15.2	8.4	-13.1
2005	11	27	24.2	-4.3	14.6	-9.7	18.6	-7.4
2005	11	28	44.7	7.1	27.1	-2.7	38.6	3.7
2005	11	29	48.1	8.9	38.2	3.4	44.7	7.0
2005	11	30	37.7	3.2	19.2	-7.1	27.7	-2.4
2005	12	1	18.7	-7.4	15.5	-9.2	17.4	-8.1
2005	12	2	20.6	-6.3	11.8	-11.2	15.7	-9.1
2005	12	3	10.7	-11.8	5.7	-14.6	7.8	-13.4
2005	12	4	17.3	-8.2	8.9	-12.8	14.5	-9.7
2005	12	5	14.9	-9.5	8.4	-13.1	10.7	-11.8
2005	12	6	12.3	-10.9	3.1	-16.1	9.0	-12.8
2005	12	7	6.2	-14.3	1.0	-17.2	3.6	-15.8
2005	12	8	6.7	-14.1	0.3	-17.6	4.0	-15.6
2005	12	9	14.8	-9.6	5.0	-15.0	11.4	-11.4
2005	12	10	11.5	-11.4	7.4	-13.7	9.4	-12.5
2005	12	11	18.3	-7.6	-1.2	-18.4	9.3	-12.6
2005	12	12	18.3	-7.6	-0.6	-18.1	11.1	-11.6
2005	12	13	0.7	-17.4	-8.6	-22.6	-2.6	-19.2
2005	12	14	-0.8	-18.2	-15.3	-26.3	-6.3	-21.3

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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	15	22.5	-5.3	-4.6	-20.3	5.4	-14.8
2005	12	16	29.7	-1.3	18.0	-7.8	22.5	-5.3
2005	12	17	17.3	-8.2	10.6	-11.9	12.4	-10.9
2005	12	18	13.8	-10.1	6.7	-14.1	10.6	-11.9
2005	12	19	12.1	-11.1	1.2	-17.1	7.4	-13.7
2005	12	20	2.2	-16.6	-2.7	-19.3	-0.9	-18.3
2005	12	21	11.0	-11.7	2.6	-16.3	6.6	-14.1
2005	12	22	14.3	-9.8	7.9	-13.4	11.5	-11.4
2005	12	23	17.2	-8.2	12.8	-10.7	15.4	-9.3
2005	12	24	21.7	-5.7	13.6	-10.2	17.3	-8.2
2005	12	25	28.2	-2.1	15.0	-9.4	20.9	-6.2
2005	12	26	26.0	-3.3	18.7	-7.4	23.7	-4.6
2005	12	27	20.1	-6.6	17.3	-8.2	18.7	-7.4
2005	12	28	25.8	-3.4	16.2	-8.8	20.2	-6.5
2005	12	29	32.0	0.0	25.3	-3.7	29.4	-1.4
2005	12	30	27.3	-2.6	15.6	-9.1	20.2	-6.5
2005	12	31	21.6	-5.8	14.3	-9.8	17.9	-7.8
2006	1	1	24.6	-4.1	21.7	-5.7	23.0	-5.0
2006	1	2	25.4	-3.7	21.1	-6.1	23.1	-4.9
2006	1	3	26.1	-3.3	22.4	-5.3	24.3	-4.3
2006	1	4	24.4	-4.2	18.7	-7.4	21.6	-5.8
2006	1	5	28.9	-1.7	23.6	-4.7	25.3	-3.7
2006	1	6	23.5	-4.7	2.6	-16.3	14.7	-9.6
2006	1	7	13.6	-10.2	3.0	-16.1	8.4	-13.1
2006	1	8	19.4	-7.0	12.0	-11.1	16.4	-8.7
2006	1	9	29.1	-1.6	18.1	-7.7	22.7	-5.2
2006	1	10	21.8	-5.7	17.1	-8.3	19.9	-6.7
2006	1	11	35.7	2.1	18.1	-7.7	28.5	-2.0
2006	1	12	32.2	0.1	23.0	-5.0	26.6	-3.0
2006	1	13	39.4	4.1	19.6	-6.9	27.1	-2.7
2006	1	14	44.0	6.7	12.1	-11.1	32.0	0.0
2006	1	15	9.8	-12.3	-5.9	-21.1	-1.1	-18.4
2006	1	16	4.0	-15.6	-5.2	-20.7	-1.6	-18.7
2006	1	17	24.9	-3.9	2.7	-16.3	9.1	-12.7
2006	1	18	45.9	7.7	11.4	-11.4	27.3	-2.6
2006	1	19	16.2	-8.8	9.9	-12.3	12.9	-10.6
2006	1	20	28.6	-1.9	16.3	-8.7	22.0	-5.5
2006	1	21	33.0	0.6	12.2	-11.0	24.5	-4.2
2006	1	22	13.2	-10.4	9.2	-12.7	11.6	-11.3
2006	1	23	24.3	-4.3	11.0	-11.7	21.3	-5.9
2006	1	24	22.1	-5.5	14.7	-9.6	18.6	-7.5
2006	1	25	22.0	-5.6	10.1	-12.2	18.2	-7.7
2006	1	26	10.3	-12.1	1.5	-16.9	4.7	-15.2
2006	1	27	11.4	-11.4	0.4	-17.6	6.4	-14.2
2006	1	28	23.1	-4.9	10.5	-11.9	16.2	-8.8
2006	1	29	32.7	0.4	17.6	-8.0	23.3	-4.9
2006	1	30	33.9	1.1	20.1	-6.6	26.9	-2.8
2006	1	31	32.4	0.2	15.9	-8.9	26.4	-3.1

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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)
2006	2	1	17.0	-8.3	13.6	-10.2	15.6	-9.1
2006	2	2	26.1	-3.3	17.2	-8.2	21.0	-6.1
2006	2	3	37.1	2.8	24.5	-4.2	30.6	-0.8
2006	2	4	38.0	3.3	21.2	-6.0	27.6	-2.4
2006	2	5	32.9	0.5	12.0	-11.1	19.7	-6.8
2006	2	6	13.3	-10.4	6.8	-14.0	10.2	-12.1
2006	2	7	13.2	-10.4	7.2	-13.8	10.3	-12.1
2006	2	8	12.2	-11.0	5.3	-14.8	8.2	-13.2
2006	2	9	8.2	-13.2	0.6	-17.4	4.0	-15.6
2006	2	10	13.9	-10.1	7.0	-13.9	9.7	-12.4
2006	2	11	16.5	-8.6	10.6	-11.9	12.5	-10.8
2006	2	12	15.8	-9.0	2.7	-16.3	9.9	-12.3
2006	2	13	11.8	-11.2	-1.1	-18.4	6.0	-14.5
2006	2	14	17.5	-8.1	8.4	-13.1	12.8	-10.7
2006	2	15	22.5	-5.3	13.2	-10.4	17.6	-8.0
2006	2	16	30.1	-1.1	17.1	-8.3	23.1	-5.0
2006	2	17	34.8	1.6	3.6	-15.8	19.9	-6.7
2006	2	18	7.7	-13.5	-14.1	-25.6	-1.1	-18.4
2006	2	19	-3.5	-19.7	-12.7	-24.8	-6.9	-21.6
2006	2	20	2.8	-16.2	-4.5	-20.3	-0.5	-18.0
2006	2	21	11.2	-11.6	3.2	-16.0	7.6	-13.5
2006	2	22	19.2	-7.1	7.5	-13.6	13.4	-10.4
2006	2	23	24.5	-4.2	12.2	-11.0	18.9	-7.3
2006	2	24	21.8	-5.7	-4.3	-20.2	4.4	-15.4
2006	2	25	18.3	-7.6	-3.3	-19.6	5.5	-14.7
2006	2	26	4.1	-15.5	-10.9	-23.8	-3.2	-19.5
2006	2	27	8.3	-13.2	-9.3	-22.9	-0.7	-18.2
2006	2	28	9.3	-12.6	-2.7	-19.3	1.1	-17.2
2006	3	1	6.7	-14.1	-3.0	-19.4	3.5	-15.8
2006	3	2	19.1	-7.2	4.9	-15.1	12.2	-11.0
2006	3	3	8.9	-12.8	-0.9	-18.3	4.4	-15.3
2006	3	4	13.4	-10.3	3.2	-16.0	8.1	-13.3
2006	3	5	9.4	-12.6	-0.7	-18.2	5.8	-14.6
2006	3	6	10.7	-11.8	-0.2	-17.9	6.5	-14.2
2006	3	7	9.3	-12.6	4.3	-15.4	6.5	-14.2
2006	3	8	15.8	-9.0	7.1	-13.8	10.4	-12.0
2006	3	9	28.6	-1.9	16.5	-8.6	23.6	-4.7
2006	3	10	39.7	4.3	27.4	-2.6	34.5	1.4
2006	3	11	32.3	0.2	24.2	-4.3	26.9	-2.8
2006	3	12	39.5	4.2	26.2	-3.2	34.6	1.5
2006	3	13	47.1	8.4	36.8	2.7	42.1	5.6
2006	3	14	43.9	6.6	13.9	-10.1	24.3	-4.3
2006	3	15	15.6	-9.1	5.0	-15.0	9.1	-12.7
2006	3	16	11.8	-11.2	6.4	-14.2	9.1	-12.7
2006	3	17	12.4	-10.9	-0.6	-18.1	6.4	-14.2
2006	3	18	3.7	-15.7	-0.7	-18.2	1.9	-16.8
2006	3	19	11.2	-11.6	3.8	-15.7	7.7	-13.5
2006	3	20	11.7	-11.3	3.2	-16.0	7.7	-13.5

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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)
2006	3	21	7.1	-13.8	0.2	-17.7	4.0	-15.5
2006	3	22	13.3	-10.4	5.5	-14.7	9.8	-12.4
2006	3	23	15.2	-9.3	11.6	-11.3	13.0	-10.5
2006	3	24	22.8	-5.1	10.9	-11.7	16.4	-8.7
2006	3	25	23.7	-4.6	19.4	-7.0	20.8	-6.2
2006	3	26	22.7	-5.2	17.7	-7.9	20.6	-6.4
2006	3	27	16.0	-8.9	12.4	-10.9	14.2	-9.9
2006	3	28	20.5	-6.4	14.5	-9.7	17.5	-8.1
2006	3	29	23.1	-4.9	17.8	-7.9	20.4	-6.5
2006	3	30	26.7	-2.9	16.9	-8.4	22.5	-5.3
2006	3	31	37.5	3.1	21.7	-5.7	29.8	-1.2
2006	4	1	43.0	6.1	30.5	-0.8	36.7	2.6
2006	4	2	30.9	-0.6	16.2	-8.8	21.6	-5.8
2006	4	3	31.6	-0.2	16.5	-8.6	23.8	-4.6
2006	4	4	31.9	-0.1	12.3	-10.9	18.1	-7.7
2006	4	5	22.0	-5.6	9.1	-12.7	15.6	-9.1
2006	4	6	22.4	-5.3	17.6	-8.0	20.3	-6.5
2006	4	7	40.1	4.5	19.1	-7.2	29.3	-1.5
2006	4	8	38.9	3.8	3.3	-15.9	17.5	-8.1
2006	4	9	16.8	-8.4	3.4	-15.9	12.3	-11.0
2006	4	10	21.4	-5.9	14.8	-9.6	18.0	-7.8
2006	4	11	29.5	-1.4	17.9	-7.8	25.0	-3.9
2006	4	12	35.0	1.7	24.9	-3.9	30.3	-1.0
2006	4	13	39.7	4.3	33.0	0.6	35.9	2.2
2006	4	14	41.0	5.0	30.3	-0.9	36.3	2.4
2006	4	15	45.2	7.3	24.1	-4.4	34.4	1.4
2006	4	16	30.1	-1.1	20.6	-6.3	25.2	-3.8
2006	4	17	25.9	-3.4	19.0	-7.2	22.8	-5.1
2006	4	18	31.8	-0.1	23.7	-4.6	28.1	-2.2
2006	4	19	32.2	0.1	26.2	-3.2	28.7	-1.8
2006	4	20	32.2	0.1	20.9	-6.2	25.9	-3.4
2006	4	21	33.9	1.1	24.3	-4.3	28.9	-1.7
2006	4	22	29.9	-1.2	24.2	-4.3	27.8	-2.3
2006	4	23	38.3	3.5	28.3	-2.1	33.4	0.8
2006	4	24	37.8	3.2	29.1	-1.6	33.0	0.6
2006	4	25	36.5	2.5	23.2	-4.9	31.0	-0.5
2006	4	26	21.1	-6.1	16.1	-8.8	18.0	-7.8
2006	4	27	28.3	-2.1	16.6	-8.6	23.3	-4.8
2006	4	28	19.7	-6.8	14.8	-9.6	17.1	-8.3
2006	4	29	21.1	-6.1	10.3	-12.1	16.9	-8.4
2006	4	30	25.7	-3.5	18.0	-7.8	21.1	-6.1
2006	5	1	25.6	-3.6	19.6	-6.9	21.8	-5.7
2006	5	2	31.4	-0.3	20.9	-6.2	25.2	-3.8
2006	5	3	33.8	1.0	26.9	-2.8	29.4	-1.5
2006	5	4	37.4	3.0	28.0	-2.2	33.4	0.8
2006	5	5	38.6	3.7	30.4	-0.9	33.8	1.0
2006	5	6	35.0	1.7	22.7	-5.2	30.1	-1.1
2006	5	7	26.7	-2.9	13.4	-10.3	20.4	-6.4

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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)
2006	5	8	30.1	-1.1	22.0	-5.6	25.7	-3.5
2006	5	9	30.4	-0.9	25.2	-3.8	27.9	-2.3
2006	5	10	40.3	4.6	28.2	-2.1	35.1	1.7
2006	5	11	42.8	6.0	38.1	3.4	39.4	4.1
2006	5	12	43.2	6.2	34.2	1.2	37.3	2.9
2006	5	13	41.2	5.1	33.0	0.6	37.2	2.9
2006	5	14	39.7	4.3	35.0	1.7	37.3	3.0
2006	5	15	38.5	3.6	32.0	0.0	35.6	2.0
2006	5	16	37.1	2.8	33.7	0.9	34.9	1.6
2006	5	17	39.1	3.9	35.0	1.7	36.9	2.7
2006	5	18	41.0	5.0	31.9	-0.1	36.8	2.6
2006	5	19	34.2	1.2	30.7	-0.7	32.6	0.3
2006	5	20	34.6	1.4	24.0	-4.4	30.7	-0.7
2006	5	21	33.0	0.6	23.0	-5.0	26.5	-3.1
2006	5	22	27.4	-2.6	19.6	-6.9	24.0	-4.5
2006	5	26	67.5	19.7	48.3	9.1	55.4	13.0
2006	5	27	61.4	16.3	54.8	12.7	57.9	14.4
2006	5	28	55.7	13.2	43.9	6.6	52.1	11.2
2006	5	29	68.4	20.2	50.8	10.4	58.5	14.7
2006	5	30	65.3	18.5	57.9	14.4	61.3	16.3
2006	5	31	62.9	17.2	58.4	14.7	60.6	15.9
2006	6	1	64.1	17.8	60.8	16.0	62.4	16.9
2006	6	2	62.3	16.8	53.5	11.9	58.7	14.9
2006	6	3	56.9	13.8	48.4	9.1	51.7	10.9
2006	6	4	52.5	11.4	48.4	9.1	50.5	10.3
2006	6	5	51.6	10.9	44.8	7.1	47.9	8.8
2006	6	6	50.8	10.4	45.7	7.6	48.5	9.2
2006	6	7	55.9	13.3	48.8	9.3	51.7	10.9
2006	6	8	57.2	14.0	49.2	9.6	52.1	11.2
2006	6	9	52.2	11.2	45.5	7.5	49.6	9.8
2006	6	10	43.8	6.6	30.3	-0.9	37.8	3.2
2006	6	11	44.7	7.1	31.1	-0.5	37.9	3.3
2006	6	12	47.3	8.5	41.7	5.4	45.3	7.4
2006	6	13	53.2	11.8	45.2	7.3	49.0	9.5
2006	6	14	54.4	12.4	50.7	10.4	52.2	11.2
2006	6	15	50.5	10.3	36.1	2.3	43.4	6.3
2006	6	16	48.7	9.3	40.6	4.8	44.0	6.7
2006	6	17	54.2	12.3	45.5	7.5	49.8	9.9
2006	6	18	60.5	15.8	51.5	10.8	56.6	13.7
2006	6	19	62.0	16.7	57.4	14.1	59.8	15.4
2006	6	20	59.8	15.4	52.3	11.3	55.9	13.3
2006	6	21	55.1	12.8	47.3	8.5	50.9	10.5
2006	6	22	64.6	18.1	51.9	11.1	58.2	14.6
2006	6	23	60.3	15.7	57.1	13.9	58.7	14.9
2006	6	24	60.5	15.8	57.6	14.2	58.9	15.0
2006	6	25	61.8	16.6	57.3	14.1	59.2	15.1
2006	6	26	64.8	18.2	58.8	14.9	61.2	16.2
2006	6	27	64.1	17.8	59.0	15.0	61.9	16.6

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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)
2006	6	28	61.6	16.4	58.3	14.6	59.6	15.4
2006	6	29	58.5	14.7	48.8	9.3	54.0	12.2
2006	6	30	51.5	10.8	48.2	9.0	50.0	10.0
2006	7	1	54.1	12.3	46.2	7.9	50.5	10.3
2006	7	2	60.7	15.9	51.8	11.0	57.2	14.0
2006	7	3	61.7	16.5	57.1	13.9	59.3	15.1
2006	7	4	62.2	16.8	58.6	14.8	59.9	15.5
2006	7	5	59.8	15.4	50.0	10.0	57.2	14.0
2006	7	6	52.4	11.3	42.8	6.0	46.5	8.0
2006	7	7	53.4	11.9	44.3	6.8	48.7	9.3
2006	7	8	56.3	13.5	48.1	8.9	51.3	10.7
2006	7	9	54.0	12.2	47.2	8.4	52.1	11.2
2006	7	10	57.6	14.2	49.0	9.4	53.7	12.1
2006	7	11	63.5	17.5	58.5	14.7	60.8	16.0
2006	7	12	65.7	18.7	60.9	16.1	62.6	17.0
2006	7	13	62.1	16.7	55.7	13.2	58.9	14.9
2006	7	14	60.9	16.1	53.9	12.2	57.6	14.2
2006	7	15	64.4	18.0	57.5	14.2	61.3	16.3
2006	7	16	64.4	18.0	56.8	13.8	60.4	15.8
2006	7	17	66.5	19.2	58.1	14.5	62.2	16.8
2006	7	18	64.2	17.9	59.0	15.0	62.0	16.6
2006	7	19	61.4	16.3	57.0	13.9	58.8	14.9
2006	7	20	61.0	16.1	54.9	12.7	57.8	14.3
2006	7	21	63.7	17.6	58.9	14.9	61.5	16.4
2006	7	22	62.7	17.1	55.0	12.8	60.0	15.6
2006	7	23	55.2	12.9	47.6	8.7	51.0	10.6
2006	7	24	55.2	12.9	49.7	9.8	51.9	11.1
2006	7	25	60.1	15.6	51.2	10.7	56.2	13.5
2006	7	26	61.9	16.6	54.6	12.6	59.3	15.2
2006	7	27	63.8	17.7	59.2	15.1	61.1	16.2
2006	7	28	64.4	18.0	59.3	15.2	61.3	16.3
2006	7	29	62.4	16.9	56.7	13.7	60.0	15.6
2006	7	30	63.0	17.2	58.0	14.4	60.9	16.0
2006	7	31	65.3	18.5	57.8	14.3	61.9	16.6
2006	8	1	68.7	20.4	62.1	16.7	66.0	18.9
2006	8	2	67.8	19.9	64.1	17.8	65.6	18.7
2006	8	3	65.6	18.7	61.0	16.1	63.7	17.6
2006	8	4	62.0	16.7	51.5	10.8	57.2	14.0
2006	8	5	54.2	12.3	47.4	8.6	50.7	10.4
2006	8	6	55.1	12.8	47.0	8.3	51.3	10.7
2006	8	7	63.5	17.5	53.8	12.1	59.6	15.3
2006	8	8	61.8	16.6	41.4	5.2	50.8	10.4
2006	8	9	48.3	9.1	41.6	5.3	45.4	7.4
2006	8	10	55.4	13.0	45.7	7.6	50.4	10.2
2006	8	11	50.4	10.2	37.7	3.2	43.1	6.2
2006	8	12	42.3	5.7	38.3	3.5	40.1	4.5
2006	8	13	43.9	6.6	36.1	2.3	39.5	4.2
2006	8	14	58.6	14.8	42.3	5.7	49.7	9.8

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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)
2006	8	15	60.7	15.9	47.4	8.6	55.1	12.8
2006	8	16	52.9	11.6	47.0	8.3	50.5	10.3
2006	8	17	54.2	12.3	46.4	8.0	50.6	10.4
2006	8	18	53.6	12.0	50.0	10.0	51.9	11.0
2006	8	19	62.9	17.2	51.5	10.8	57.5	14.1
2006	8	20	62.3	16.8	48.7	9.3	57.1	13.9
2006	8	21	50.8	10.4	47.3	8.5	48.7	9.3
2006	8	22	52.3	11.3	45.7	7.6	49.4	9.7
2006	8	23	52.2	11.2	42.5	5.8	47.2	8.4
2006	8	24	53.5	11.9	46.6	8.1	51.0	10.5
2006	8	25	57.6	14.2	49.8	9.9	53.4	11.9
2006	8	26	55.4	13.0	52.3	11.3	53.8	12.1
2006	8	27	57.9	14.4	52.3	11.3	54.9	12.7
2006	8	28	61.7	16.5	56.2	13.4	58.9	15.0
2006	8	29	62.0	16.7	56.6	13.7	59.2	15.1
2006	8	30	55.8	13.2	51.7	10.9	53.9	12.2
2006	8	31	50.8	10.4	44.1	6.7	46.7	8.2
2006	9	1	46.5	8.1	42.7	5.9	44.2	6.8
2006	9	2	49.8	9.9	42.3	5.7	46.3	7.9
2006	9	3	50.7	10.4	44.8	7.1	47.3	8.5
2006	9	4	50.7	10.4	45.2	7.3	47.4	8.5
2006	9	5	52.1	11.2	47.7	8.7	49.7	9.8
2006	9	6	50.8	10.4	46.9	8.3	49.4	9.7
2006	9	7	50.9	10.5	42.5	5.8	47.4	8.6
2006	9	8	52.8	11.6	43.9	6.6	49.1	9.5
2006	9	9	54.7	12.6	45.9	7.7	50.3	10.2
2006	9	10	49.4	9.7	44.3	6.8	46.9	8.3
2006	9	11	45.2	7.3	37.4	3.0	40.5	4.7
2006	9	12	41.7	5.4	33.7	0.9	38.2	3.4
2006	9	13	47.2	8.4	36.0	2.2	43.3	6.3
2006	9	14	52.8	11.6	47.7	8.7	50.8	10.5
2006	9	15	54.1	12.3	49.6	9.8	51.8	11.0
2006	9	16	54.4	12.4	50.4	10.2	51.8	11.0
2006	9	17	54.8	12.7	47.6	8.7	50.7	10.4
2006	9	18	54.9	12.7	45.3	7.4	51.0	10.6
2006	9	19	56.2	13.4	43.8	6.6	51.3	10.7
2006	9	20	45.5	7.5	36.5	2.5	40.7	4.8
2006	9	21	39.4	4.1	32.9	0.5	36.1	2.3
2006	9	22	42.0	5.6	34.3	1.3	38.4	3.6
2006	9	23	55.5	13.1	42.2	5.7	50.7	10.4
2006	9	24	56.9	13.8	41.6	5.3	50.7	10.4
2006	9	25	43.3	6.3	36.7	2.6	40.1	4.5
2006	9	26	40.7	4.8	35.2	1.8	37.6	3.1
2006	9	27	44.6	7.0	34.6	1.4	40.5	4.7
2006	9	28	49.9	9.9	40.7	4.8	45.6	7.5
2006	9	29	44.9	7.2	29.8	-1.2	35.5	1.9
2006	9	30	40.9	4.9	30.5	-0.8	35.8	2.1
2006	10	1	44.0	6.7	39.4	4.1	41.5	5.3

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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)
2006	10	2	42.5	5.8	35.0	1.7	38.7	3.7
2006	10	3	51.6	10.9	37.6	3.1	44.8	7.1
2006	10	4	53.6	12.0	45.1	7.3	49.8	9.9
2006	10	5	47.8	8.8	30.2	-1.0	34.5	1.4
2006	10	6	33.1	0.6	28.4	-2.0	30.8	-0.7
2006	10	7	36.6	2.6	27.8	-2.3	32.2	0.1
2006	10	8	44.8	7.1	31.4	-0.3	38.4	3.5
2006	10	9	49.2	9.6	35.7	2.1	43.6	6.4
2006	10	10	46.7	8.2	40.4	4.7	44.0	6.7
2006	10	11	46.3	7.9	43.1	6.2	44.5	7.0
2006	10	12	48.1	8.9	14.9	-9.5	34.7	1.5
2006	10	13	22.6	-5.2	16.9	-8.4	19.7	-6.9
2006	10	14	25.2	-3.8	16.7	-8.5	20.8	-6.2
2006	10	15	25.5	-3.6	18.6	-7.4	22.7	-5.2
2006	10	16	29.3	-1.5	21.3	-5.9	25.3	-3.7
2006	10	17	48.5	9.2	29.4	-1.4	39.0	3.9
2006	10	18	49.0	9.4	42.8	6.0	46.7	8.1
2006	10	19	50.9	10.5	40.9	4.9	45.4	7.5
2006	10	20	51.4	10.8	25.9	-3.4	36.8	2.7
2006	10	21	30.3	-0.9	27.1	-2.7	28.8	-1.8
2006	10	22	36.5	2.5	26.9	-2.8	31.1	-0.5
2006	10	23	34.4	1.3	19.4	-7.0	24.0	-4.4
2006	10	24	22.9	-5.1	21.0	-6.1	22.0	-5.6
2006	10	25	24.6	-4.1	22.2	-5.4	23.3	-4.9
2006	10	26	22.9	-5.1	18.4	-7.6	20.2	-6.6
2006	10	27	31.4	-0.3	18.3	-7.6	22.5	-5.3
2006	10	28	43.9	6.6	24.7	-4.1	33.5	0.8
2006	10	29	24.0	-4.4	14.4	-9.8	19.0	-7.2
2006	10	30	25.7	-3.5	14.9	-9.5	21.4	-5.9
2006	11	2	42.1	5.6	17.7	-7.9	28.6	-1.9
2006	11	3	20.8	-6.2	17.0	-8.3	19.5	-7.0
2006	11	4	22.3	-5.4	17.7	-7.9	20.0	-6.7
2006	11	5	24.7	-4.1	17.8	-7.9	21.9	-5.6
2006	11	6	29.5	-1.4	21.6	-5.8	25.2	-3.8
2006	11	7	40.4	4.7	26.8	-2.9	33.5	0.9
2006	11	8	49.5	9.7	41.1	5.1	47.1	8.4
2006	11	9	46.7	8.2	39.0	3.9	43.1	6.2
2006	11	10	38.5	3.6	30.1	-1.1	33.9	1.0
2006	11	11	46.6	8.1	31.7	-0.2	40.3	4.6
2006	11	12	47.0	8.3	31.6	-0.2	36.1	2.3
2006	11	13	40.0	4.4	33.0	0.6	36.3	2.4
2006	11	14	43.7	6.5	40.3	4.6	42.2	5.7
2006	11	15	46.2	7.9	42.1	5.6	43.6	6.4
2006	11	16	56.4	13.6	44.2	6.8	50.6	10.3
2006	11	17	48.3	9.1	26.7	-2.9	34.6	1.5
2006	11	18	27.9	-2.3	24.9	-3.9	26.3	-3.2
2006	11	19	28.0	-2.2	22.0	-5.6	25.5	-3.6
2006	11	20	21.5	-5.8	18.7	-7.4	20.1	-6.6

Table 2.7-18 SSES Daily Average and Extreme Dew Point Temperatures (2001-2006)

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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)
2006	11	21	21.6	-5.8	16.2	-8.8	19.3	-7.0
2006	11	22	20.5	-6.4	18.5	-7.5	19.6	-6.9
2006	11	23	34.4	1.3	17.9	-7.8	29.7	-1.3
2006	11	24	29.7	-1.3	21.8	-5.7	26.5	-3.1
2006	11	25	29.4	-1.4	20.9	-6.2	25.6	-3.6
2006	11	26	33.1	0.6	23.9	-4.5	29.0	-1.6
2006	11	27	35.3	1.8	27.4	-2.6	31.9	-0.1
2006	11	28	40.0	4.4	29.2	-1.6	34.6	1.4
2006	11	29	43.2	6.2	38.8	3.8	41.3	5.2
2006	11	30	49.3	9.6	42.6	5.9	46.5	8.0
2006	12	1	54.9	12.7	22.0	-5.6	46.7	8.2
2006	12	2	21.1	-6.1	16.0	-8.9	18.4	-7.5
2006	12	3	19.5	-6.9	15.1	-9.4	17.4	-8.1
2006	12	4	19.7	-6.8	7.3	-13.7	11.7	-11.3
2006	12	5	13.7	-10.2	7.8	-13.4	10.5	-11.9
2006	12	6	20.7	-6.3	11.4	-11.4	16.1	-8.8
2006	12	7	25.5	-3.6	-0.5	-18.1	17.0	-8.4
2006	12	8	12.0	-11.1	-7.3	-21.8	1.8	-16.8
2006	12	9	6.2	-14.3	2.5	-16.4	4.5	-15.3
2006	12	10	21.3	-5.9	3.8	-15.7	12.2	-11.0
2006	12	11	22.4	-5.3	16.7	-8.5	19.4	-7.0
2006	12	12	31.0	-0.6	22.2	-5.4	26.7	-2.9
2006	12	13	38.9	3.8	29.7	-1.3	35.3	1.8
2006	12	14	36.6	2.6	25.4	-3.7	30.5	-0.8
2006	12	15	35.9	2.2	28.6	-1.9	0.0	-17.8
2006	12	18	46.5	8.1	21.3	-5.9	37.9	3.3
2006	12	19	23.0	-5.0	16.3	-8.7	19.8	-6.8
2006	12	20	21.2	-6.0	15.1	-9.4	18.0	-7.8
2006	12	21	24.7	-4.1	17.6	-8.0	20.8	-6.2
2006	12	22	36.9	2.7	19.9	-6.7	26.4	-3.1
2006	12	23	41.1	5.1	26.5	-3.1	34.3	1.3
2006	12	24	27.8	-2.3	22.8	-5.1	25.5	-3.6
2006	12	25	32.6	0.3	19.0	-7.2	23.5	-4.7
2006	12	26	35.2	1.8	24.1	-4.4	31.5	-0.3
2006	12	27	25.6	-3.6	15.9	-8.9	19.3	-7.1
2006	12	28	25.6	-3.6	16.2	-8.8	20.7	-6.3
2006	12	29	27.1	-2.7	21.6	-5.8	24.6	-4.1
2006	12	30	30.7	-0.7	21.4	-5.9	26.4	-3.1
2006	12	31	27.0	-2.8	17.9	-7.8	19.5	-6.9

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
1/1/2000	20.0	43.0	28.7	17.0	28.0	24.1	-6.7	6.1	-1.8	-8.3	-2.2	-4.4
1/2/2000	28.0	56.0	36.6	26.0	45.0	32.6	-2.2	13.3	2.6	-3.3	7.2	0.3
1/3/2000	43.0	57.0	49.5	40.0	52.0	46.1	6.1	13.9	9.7	4.4	11.1	7.8
1/4/2000	46.0	61.0	55.9	34.0	54.0	51.1	7.8	16.1	13.3	1.1	12.2	10.6
1/5/2000	29.0	47.0	35.1	14.0	34.0	19.8	-1.7	8.3	1.7	-10.0	1.1	-6.8
1/6/2000	21.0	39.0	28.3	15.0	25.0	18.0	-6.1	3.9	-2.1	-9.4	-3.9	-7.8
1/7/2000	28.0	41.0	33.6	19.0	28.0	24.5	-2.2	5.0	0.9	-7.2	-2.2	-4.2
1/8/2000	22.0	39.0	31.3	15.0	21.0	17.4	-5.6	3.9	-0.4	-9.4	-6.1	-8.1
1/9/2000	30.0	47.0	36.1	18.0	30.0	24.1	-1.1	8.3	2.3	-7.8	-1.1	-4.4
1/10/2000	37.0	43.0	39.9	30.0	43.0	37.2	2.8	6.1	4.4	-1.1	6.1	2.9
1/11/2000	35.0	49.0	43.5	18.0	40.0	29.4	1.7	9.4	6.4	-7.8	4.4	-1.4
1/12/2000	35.0	44.0	38.6	17.0	28.0	22.9	1.7	6.7	3.7	-8.3	-2.2	-5.1
1/13/2000	19.0	35.0	30.5	7.0	28.0	23.0	-7.2	1.7	-0.8	-13.9	-2.2	-5.0
1/14/2000	10.0	25.0	17.3	-2.0	7.0	2.3	-12.2	-3.9	-8.2	-18.9	-13.9	-16.5
1/15/2000	14.0	27.0	19.9	4.0	15.0	10.0	-10.0	-2.8	-6.7	-15.6	-9.4	-12.2
1/16/2000	27.0	48.0	31.7	11.0	27.0	16.8	-2.8	8.9	-0.2	-11.7	-2.8	-8.4
1/17/2000	4.0	29.0	12.4	-11.0	18.0	-5.2	-15.6	-1.7	-10.9	-23.9	-7.8	-20.7
1/18/2000	3.0	17.0	8.1	-10.0	1.0	-3.3	-16.1	-8.3	-13.3	-23.3	-17.2	-19.6
1/19/2000	10.0	32.0	18.6	2.0	18.0	9.8	-12.2	0.0	-7.4	-16.7	-7.8	-12.3
1/20/2000	24.0	28.0	26.3	16.0	27.0	22.7	-4.4	-2.2	-3.2	-8.9	-2.8	-5.2
1/21/2000	6.0	27.0	13.8	-7.0	18.0	-1.1	-14.4	-2.8	-10.1	-21.7	-7.8	-18.4
1/22/2000	0.0	19.0	8.1	-7.0	3.0	-2.0	-17.8	-7.2	-13.3	-21.7	-16.1	-18.9
1/23/2000	14.0	25.0	18.4	4.0	18.0	11.0	-10.0	-3.9	-7.6	-15.6	-7.8	-11.7
1/24/2000	21.0	34.0	26.4	14.0	21.0	18.4	-6.1	1.1	-3.1	-10.0	-6.1	-7.6
1/25/2000	16.0	24.0	20.8	9.0	19.0	15.4	-8.9	-4.4	-6.2	-12.8	-7.2	-9.2
1/26/2000	21.0	27.0	23.4	10.0	18.0	14.0	-6.1	-2.8	-4.8	-12.2	-7.8	-10.0
1/27/2000	6.0	24.0	14.1	-5.0	14.0	0.8	-14.4	-4.4	-9.9	-20.6	-10.0	-17.3
1/28/2000	6.0	23.0	12.6	-8.0	0.0	-3.7	-14.4	-5.0	-10.8	-22.2	-17.8	-19.8
1/29/2000	1.0	34.0	16.0	-8.0	10.0	1.2	-17.2	1.1	-8.9	-22.2	-12.2	-17.1
1/30/2000	8.0	31.0	19.4	4.0	25.0	12.9	-13.3	-0.6	-7.0	-15.6	-3.9	-10.6
1/31/2000	18.0	30.0	25.7	15.0	25.0	21.3	-7.8	-1.1	-3.5	-9.4	-3.9	-5.9
2/1/2000	26.0	31.0	28.0	14.0	21.0	17.2	-3.3	-0.6	-2.2	-10.0	-6.1	-8.2
2/2/2000	19.0	30.0	24.0	0.0	21.0	7.3	-7.2	-1.1	-4.4	-17.8	-6.1	-13.7
2/3/2000	10.0	27.0	19.5	2.0	21.0	12.4	-12.2	-2.8	-6.9	-16.7	-6.1	-10.9
2/4/2000	24.0	31.0	25.9	21.0	27.0	22.7	-4.4	-0.6	-3.4	-6.1	-2.8	-5.2
2/5/2000	17.0	31.0	27.1	9.0	29.0	19.0	-8.3	-0.6	-2.7	-12.8	-1.7	-7.2
2/6/2000	25.0	36.0	29.5	10.0	21.0	15.3	-3.9	2.2	-1.4	-12.2	-6.1	-9.3
2/7/2000	25.0	38.0	31.1	15.0	26.0	19.3	-3.9	3.3	-0.5	-9.4	-3.3	-7.1
2/8/2000	7.0	32.0	20.5	2.0	19.0	6.9	-13.9	0.0	-6.4	-16.7	-7.2	-13.9
2/9/2000	12.0	42.0	22.9	4.0	25.0	11.4	-11.1	5.6	-5.1	-15.6	-3.9	-11.4
2/10/2000	19.0	44.0	28.2	18.0	29.0	22.5	-7.2	6.7	-2.1	-7.8	-1.7	-5.3
2/11/2000	32.0	44.0	39.5	19.0	36.0	32.2	0.0	6.7	4.2	-7.2	2.2	0.1
2/12/2000	18.0	32.0	24.9	5.0	20.0	10.6	-7.8	0.0	-3.9	-15.0	-6.7	-11.9
2/13/2000	15.0	29.0	22.3	8.0	23.0	12.9	-9.4	-1.7	-5.4	-13.3	-5.0	-10.6
2/14/2000	29.0	38.0	34.3	23.0	36.0	32.8	-1.7	3.3	1.3	-5.0	2.2	0.4
2/15/2000	28.0	37.0	33.0	16.0	34.0	22.4	-2.2	2.8	0.6	-8.9	1.1	-5.3
2/16/2000	26.0	47.0	35.6	20.0	31.0	25.3	-3.3	8.3	2.0	-6.7	-0.6	-3.7

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
2/17/2000	21.0	40.0	28.8	7.0	27.0	11.7	-6.1	4.4	-1.8	-13.9	-2.8	-11.3
2/18/2000	26.0	30.0	28.0	10.0	28.0	22.6	-3.3	-1.1	-2.2	-12.2	-2.2	-5.2
2/19/2000	30.0	34.0	31.4	21.0	32.0	28.2	-1.1	1.1	-0.3	-6.1	0.0	-2.1
2/20/2000	27.0	35.0	30.6	21.0	26.0	23.3	-2.8	1.7	-0.8	-6.1	-3.3	-4.8
2/21/2000	20.0	40.0	29.9	17.0	25.0	21.6	-6.7	4.4	-1.2	-8.3	-3.9	-5.8
2/22/2000	20.0	48.0	31.9	19.0	29.0	23.7	-6.7	8.9	-0.1	-7.2	-1.7	-4.6
2/23/2000	38.0	52.0	43.8	26.0	32.0	28.8	3.3	11.1	6.6	-3.3	0.0	-1.8
2/24/2000	30.0	51.0	38.5	30.0	37.0	33.0	-1.1	10.6	3.6	-1.1	2.8	0.6
2/25/2000	35.0	57.0	42.4	34.0	48.0	38.7	1.7	13.9	5.8	1.1	8.9	3.7
2/26/2000	39.0	48.0	42.9	37.0	45.0	39.5	3.9	8.9	6.1	2.8	7.2	4.2
2/27/2000	42.0	52.0	45.4	41.0	49.0	43.8	5.6	11.1	7.4	5.0	9.4	6.6
2/28/2000	36.0	50.0	45.3	22.0	49.0	36.5	2.2	10.0	7.4	-5.6	9.4	2.5
2/29/2000	29.0	55.0	39.9	19.0	28.0	23.8	-1.7	12.8	4.4	-7.2	-2.2	-4.6
3/1/2000	30.0	50.0	38.8	19.0	39.0	27.5	-1.1	10.0	3.8	-7.2	3.9	-2.5
3/2/2000	36.0	45.0	40.0	24.0	40.0	29.1	2.2	7.2	4.4	-4.4	4.4	-1.6
3/3/2000	32.0	47.0	38.3	6.0	25.0	16.3	0.0	8.3	3.5	-14.4	-3.9	-8.7
3/4/2000	27.0	54.0	38.3	6.0	23.0	19.7	-2.8	12.2	3.5	-14.4	-5.0	-6.8
3/5/2000	31.0	58.0	44.8	22.0	27.0	25.2	-0.6	14.4	7.1	-5.6	-2.8	-3.8
3/6/2000	30.0	56.0	42.6	20.0	28.0	25.3	-1.1	13.3	5.9	-6.7	-2.2	-3.7
3/7/2000	28.0	67.0	43.1	24.0	34.0	27.5	-2.2	19.4	6.2	-4.4	1.1	-2.5
3/8/2000	40.0	81.0	56.5	32.0	54.0	40.5	4.4	27.2	13.6	0.0	12.2	4.7
3/9/2000	39.0	79.0	53.5	39.0	54.0	45.7	3.9	26.1	11.9	3.9	12.2	7.6
3/10/2000	41.0	58.0	47.4	32.0	54.0	39.4	5.0	14.4	8.6	0.0	12.2	4.1
3/11/2000	37.0	45.0	41.1	31.0	43.0	37.5	2.8	7.2	5.1	-0.6	6.1	3.1
3/12/2000	34.0	41.0	38.3	17.0	40.0	34.0	1.1	5.0	3.5	-8.3	4.4	1.1
3/13/2000	26.0	47.0	35.1	14.0	28.0	19.8	-3.3	8.3	1.7	-10.0	-2.2	-6.8
3/14/2000	28.0	53.0	38.8	24.0	39.0	28.4	-2.2	11.7	3.8	-4.4	3.9	-2.0
3/15/2000	30.0	67.0	42.1	30.0	39.0	33.4	-1.1	19.4	5.6	-1.1	3.9	0.8
3/16/2000	41.0	64.0	52.5	32.0	52.0	41.0	5.0	17.8	11.4	0.0	11.1	5.0
3/17/2000	28.0	52.0	36.7	10.0	52.0	30.3	-2.2	11.1	2.6	-12.2	11.1	-0.9
3/18/2000	19.0	41.0	27.8	0.0	11.0	5.1	-7.2	5.0	-2.3	-17.8	-11.7	-14.9
3/19/2000	28.0	46.0	35.5	8.0	27.0	18.8	-2.2	7.8	1.9	-13.3	-2.8	-7.3
3/20/2000	36.0	52.0	42.5	21.0	28.0	26.7	2.2	11.1	5.8	-6.1	-2.2	-2.9
3/21/2000	39.0	48.0	41.7	24.0	40.0	35.2	3.9	8.9	5.4	-4.4	4.4	1.8
3/22/2000	41.0	59.0	45.8	39.0	45.0	41.0	5.0	15.0	7.7	3.9	7.2	5.0
3/23/2000	45.0	60.0	51.2	41.0	45.0	42.8	7.2	15.6	10.7	5.0	7.2	6.0
3/24/2000	35.0	66.0	45.5	31.0	43.0	37.2	1.7	18.9	7.5	-0.6	6.1	2.9
3/25/2000	42.0	68.0	52.6	35.0	55.0	43.9	5.6	20.0	11.4	1.7	12.8	6.6
3/26/2000	39.0	61.0	52.1	11.0	54.0	32.5	3.9	16.1	11.2	-11.7	12.2	0.3
3/27/2000	30.0	61.0	44.9	15.0	46.0	27.7	-1.1	16.1	7.2	-9.4	7.8	-2.4
3/28/2000	42.0	59.0	49.0	21.0	48.0	37.1	5.6	15.0	9.4	-6.1	8.9	2.8
3/29/2000	39.0	47.0	43.0	31.0	38.0	34.1	3.9	8.3	6.1	-0.6	3.3	1.2
3/30/2000	39.0	52.0	44.1	21.0	36.0	30.6	3.9	11.1	6.7	-6.1	2.2	-0.8
3/31/2000	27.0	59.0	43.5	21.0	28.0	23.8	-2.8	15.0	6.4	-6.1	-2.2	-4.6
4/1/2000	29.0	66.0	45.2	22.0	30.0	26.2	-1.7	18.9	7.3	-5.6	-1.1	-3.2
4/2/2000	41.0	62.0	52.2	28.0	50.0	38.7	5.0	16.7	11.2	-2.2	10.0	3.7
4/3/2000	52.0	72.0	58.6	50.0	58.0	53.8	11.1	22.2	14.8	10.0	14.4	12.1

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
4/4/2000	45.0	69.0	59.3	32.0	61.0	54.7	7.2	20.6	15.2	0.0	16.1	12.6
4/5/2000	34.0	47.0	40.1	18.0	32.0	22.7	1.1	8.3	4.5	-7.8	0.0	-5.2
4/6/2000	34.0	72.0	49.4	24.0	38.0	28.9	1.1	22.2	9.7	-4.4	3.3	-1.7
4/7/2000	38.0	61.0	48.9	31.0	43.0	34.6	3.3	16.1	9.4	-0.6	6.1	1.4
4/8/2000	43.0	72.0	52.6	36.0	54.0	44.5	6.1	22.2	11.4	2.2	12.2	6.9
4/9/2000	28.0	48.0	34.9	15.0	45.0	27.1	-2.2	8.9	1.6	-9.4	7.2	-2.7
4/10/2000	37.0	53.0	43.3	12.0	31.0	23.3	2.8	11.7	6.3	-11.1	-0.6	-4.8
4/11/2000	34.0	49.0	40.8	13.0	32.0	25.1	1.1	9.4	4.9	-10.6	0.0	-3.8
4/12/2000	37.0	47.0	43.0	16.0	43.0	28.0	2.8	8.3	6.1	-8.9	6.1	-2.2
4/13/2000	27.0	52.0	38.7	12.0	25.0	19.5	-2.8	11.1	3.7	-11.1	-3.9	-6.9
4/14/2000	40.0	61.0	49.0	17.0	40.0	28.5	4.4	16.1	9.4	-8.3	4.4	-1.9
4/15/2000	43.0	72.0	57.4	39.0	56.0	45.4	6.1	22.2	14.1	3.9	13.3	7.4
4/16/2000	48.0	81.0	58.6	46.0	55.0	51.6	8.9	27.2	14.8	7.8	12.8	10.9
4/17/2000	45.0	58.0	47.7	39.0	46.0	43.5	7.2	14.4	8.7	3.9	7.8	6.4
4/18/2000	39.0	45.0	42.6	38.0	42.0	39.7	3.9	7.2	5.9	3.3	5.6	4.3
4/19/2000	41.0	63.0	48.6	39.0	52.0	43.2	5.0	17.2	9.2	3.9	11.1	6.2
4/20/2000	51.0	61.0	56.6	49.0	55.0	51.8	10.6	16.1	13.7	9.4	12.8	11.0
4/21/2000	50.0	62.0	52.9	45.0	52.0	48.5	10.0	16.7	11.6	7.2	11.1	9.2
4/22/2000	45.0	52.0	48.5	38.0	48.0	44.1	7.2	11.1	9.2	3.3	8.9	6.7
4/23/2000	41.0	51.0	44.4	37.0	39.0	37.9	5.0	10.6	6.9	2.8	3.9	3.3
4/24/2000	41.0	67.0	52.9	33.0	41.0	36.8	5.0	19.4	11.6	0.6	5.0	2.7
4/25/2000	38.0	63.0	52.8	28.0	36.0	32.6	3.3	17.2	11.6	-2.2	2.2	0.3
4/26/2000	41.0	59.0	49.6	22.0	36.0	31.1	5.0	15.0	9.8	-5.6	2.2	-0.5
4/27/2000	43.0	54.0	47.8	35.0	45.0	39.8	6.1	12.2	8.8	1.7	7.2	4.3
4/28/2000	43.0	64.0	49.6	33.0	44.0	40.8	6.1	17.8	9.8	0.6	6.7	4.9
4/29/2000	37.0	71.0	54.7	30.0	41.0	35.3	2.8	21.7	12.6	-1.1	5.0	1.8
4/30/2000	48.0	65.0	57.0	19.0	41.0	29.4	8.9	18.3	13.9	-7.2	5.0	-1.4
5/1/2000	35.0	72.0	53.7	20.0	40.0	31.2	1.7	22.2	12.1	-6.7	4.4	-0.4
5/2/2000	53.0	69.0	58.1	31.0	54.0	46.1	11.7	20.6	14.5	-0.6	12.2	7.8
5/3/2000	37.0	71.0	54.5	32.0	41.0	36.9	2.8	21.7	12.5	0.0	5.0	2.7
5/4/2000	56.0	73.0	64.0	40.0	61.0	48.0	13.3	22.8	17.8	4.4	16.1	8.9
5/5/2000	59.0	86.0	67.5	56.0	62.0	59.7	15.0	30.0	19.7	13.3	16.7	15.4
5/6/2000	56.0	88.0	71.1	55.0	68.0	59.2	13.3	31.1	21.7	12.8	20.0	15.1
5/7/2000	58.0	91.0	72.8	55.0	66.0	60.0	14.4	32.8	22.7	12.8	18.9	15.6
5/8/2000	61.0	88.0	71.2	57.0	66.0	62.1	16.1	31.1	21.8	13.9	18.9	16.7
5/9/2000	59.0	91.0	74.6	58.0	64.0	61.5	15.0	32.8	23.7	14.4	17.8	16.4
5/10/2000	63.0	85.0	73.3	46.0	67.0	61.5	17.2	29.4	22.9	7.8	19.4	16.4
5/11/2000	51.0	77.0	62.5	34.0	48.0	42.5	10.6	25.0	16.9	1.1	8.9	5.8
5/12/2000	57.0	78.0	64.7	47.0	61.0	52.5	13.9	25.6	18.2	8.3	16.1	11.4
5/13/2000	62.0	81.0	68.5	48.0	68.0	62.0	16.7	27.2	20.3	8.9	20.0	16.7
5/14/2000	47.0	70.0	59.5	34.0	52.0	44.1	8.3	21.1	15.3	1.1	11.1	6.7
5/15/2000	39.0	65.0	53.0	28.0	40.0	33.8	3.9	18.3	11.7	-2.2	4.4	1.0
5/16/2000	35.0	66.0	51.1	29.0	40.0	36.1	1.7	18.9	10.6	-1.7	4.4	2.3
5/17/2000	43.0	73.0	59.3	40.0	50.0	45.7	6.1	22.8	15.2	4.4	10.0	7.6
5/18/2000	61.0	84.0	67.6	50.0	63.0	58.3	16.1	28.9	19.8	10.0	17.2	14.6
5/19/2000	52.0	66.0	56.9	50.0	63.0	55.6	11.1	18.9	13.8	10.0	17.2	13.1
5/20/2000	47.0	54.0	49.9	45.0	50.0	46.9	8.3	12.2	9.9	7.2	10.0	8.3

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
5/21/2000	51.0	61.0	54.5	49.0	55.0	51.9	10.6	16.1	12.5	9.4	12.8	11.1
5/22/2000	55.0	60.0	56.7	53.0	57.0	54.9	12.8	15.6	13.7	11.7	13.9	12.7
5/23/2000	55.0	63.0	57.1	53.0	59.0	55.1	12.8	17.2	13.9	11.7	15.0	12.8
5/24/2000	56.0	77.0	63.9	54.0	63.0	58.6	13.3	25.0	17.7	12.2	17.2	14.8
5/25/2000	55.0	74.0	61.5	42.0	62.0	53.8	12.8	23.3	16.4	5.6	16.7	12.1
5/26/2000	51.0	75.0	62.5	39.0	48.0	44.3	10.6	23.9	16.9	3.9	8.9	6.8
5/27/2000	47.0	69.0	56.9	40.0	54.0	47.1	8.3	20.6	13.8	4.4	12.2	8.4
5/28/2000	48.0	65.0	54.7	46.0	54.0	49.4	8.9	18.3	12.6	7.8	12.2	9.7
5/29/2000	56.0	65.0	60.6	47.0	53.0	50.4	13.3	18.3	15.9	8.3	11.7	10.2
5/30/2000	46.0	70.0	56.5	46.0	52.0	48.7	7.8	21.1	13.6	7.8	11.1	9.3
5/31/2000	49.0	73.0	59.5	46.0	58.0	50.9	9.4	22.8	15.3	7.8	14.4	10.5
6/1/2000	59.0	85.0	70.3	57.0	73.0	62.6	15.0	29.4	21.3	13.9	22.8	17.0
6/2/2000	64.0	91.0	71.0	63.0	71.0	66.5	17.8	32.8	21.7	17.2	21.7	19.2
6/3/2000	55.0	71.0	64.1	44.0	67.0	49.8	12.8	21.7	17.8	6.7	19.4	9.9
6/4/2000	46.0	72.0	59.9	44.0	65.0	48.5	7.8	22.2	15.5	6.7	18.3	9.2
6/5/2000	54.0	67.0	56.7	50.0	57.0	54.0	12.2	19.4	13.7	10.0	13.9	12.2
6/6/2000	52.0	57.0	54.8	48.0	54.0	52.5	11.1	13.9	12.7	8.9	12.2	11.4
6/7/2000	51.0	76.0	61.5	45.0	57.0	48.1	10.6	24.4	16.4	7.2	13.9	8.9
6/8/2000	53.0	80.0	65.3	49.0	58.0	54.1	11.7	26.7	18.5	9.4	14.4	12.3
6/9/2000	56.0	86.0	71.0	52.0	65.0	58.1	13.3	30.0	21.7	11.1	18.3	14.5
6/10/2000	58.0	91.0	74.8	57.0	64.0	61.5	14.4	32.8	23.8	13.9	17.8	16.4
6/11/2000	62.0	90.0	74.2	61.0	72.0	64.9	16.7	32.2	23.4	16.1	22.2	18.3
6/12/2000	68.0	81.0	72.0	68.0	72.0	70.3	20.0	27.2	22.2	20.0	22.2	21.3
6/13/2000	61.0	72.0	65.3	59.0	70.0	63.3	16.1	22.2	18.5	15.0	21.1	17.4
6/14/2000	60.0	65.0	62.3	59.0	61.0	60.1	15.6	18.3	16.8	15.0	16.1	15.6
6/15/2000	60.0	72.0	65.3	59.0	68.0	62.8	15.6	22.2	18.5	15.0	20.0	17.1
6/16/2000	67.0	85.0	75.2	66.0	73.0	69.6	19.4	29.4	24.0	18.9	22.8	20.9
6/17/2000	68.0	82.0	74.1	61.0	73.0	69.3	20.0	27.8	23.4	16.1	22.8	20.7
6/18/2000	63.0	74.0	65.7	61.0	68.0	62.9	17.2	23.3	18.7	16.1	20.0	17.2
6/19/2000	54.0	75.0	61.4	50.0	61.0	53.0	12.2	23.9	16.3	10.0	16.1	11.7
6/20/2000	53.0	82.0	64.1	51.0	61.0	55.7	11.7	27.8	17.8	10.6	16.1	13.2
6/21/2000	67.0	82.0	72.7	57.0	72.0	65.0	19.4	27.8	22.6	13.9	22.2	18.3
6/22/2000	66.0	83.0	71.4	56.0	70.0	65.9	18.9	28.3	21.9	13.3	21.1	18.8
6/23/2000	60.0	80.0	71.5	56.0	61.0	58.8	15.6	26.7	21.9	13.3	16.1	14.9
6/24/2000	59.0	83.0	70.1	57.0	68.0	61.7	15.0	28.3	21.2	13.9	20.0	16.5
6/25/2000	77.0	80.0	78.2	67.0	68.0	67.8	25.0	26.7	25.7	19.4	20.0	19.9
6/26/2000	71.0	81.0	75.4	69.0	74.0	71.1	21.7	27.2	24.1	20.6	23.3	21.7
6/27/2000	69.0	79.0	72.8	64.0	73.0	69.0	20.6	26.1	22.7	17.8	22.8	20.6
6/28/2000	59.0	79.0	68.8	53.0	68.0	60.8	15.0	26.1	20.4	11.7	20.0	16.0
6/29/2000	59.0	77.0	66.3	54.0	62.0	59.1	15.0	25.0	19.1	12.2	16.7	15.1
6/30/2000	56.0	78.0	67.7	48.0	57.0	54.4	13.3	25.6	19.8	8.9	13.9	12.4
7/1/2000	53.0	80.0	67.2	51.0	58.0	54.7	11.7	26.7	19.6	10.6	14.4	12.6
7/2/2000	57.0	83.0	67.8	55.0	61.0	57.4	13.9	28.3	19.9	12.8	16.1	14.1
7/3/2000	60.0	77.0	68.8	57.0	70.0	63.4	15.6	25.0	20.4	13.9	21.1	17.4
7/4/2000	68.0	84.0	72.1	67.0	70.0	68.5	20.0	28.9	22.3	19.4	21.1	20.3
7/5/2000	61.0	83.0	73.8	52.0	69.0	59.5	16.1	28.3	23.2	11.1	20.6	15.3
7/6/2000	52.0	78.0	66.6	48.0	57.0	51.6	11.1	25.6	19.2	8.9	13.9	10.9

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
7/7/2000	53.0	74.0	66.8	44.0	57.0	49.8	11.7	23.3	19.3	6.7	13.9	9.9
7/8/2000	49.0	79.0	63.6	44.0	54.0	48.5	9.4	26.1	17.6	6.7	12.2	9.2
7/9/2000	53.0	81.0	66.6	51.0	70.0	57.2	11.7	27.2	19.2	10.6	21.1	14.0
7/10/2000	67.0	88.0	74.3	59.0	71.0	67.5	19.4	31.1	23.5	15.0	21.7	19.7
7/11/2000	58.0	82.0	72.4	49.0	64.0	56.3	14.4	27.8	22.4	9.4	17.8	13.5
7/12/2000	52.0	83.0	67.5	49.0	61.0	51.8	11.1	28.3	19.7	9.4	16.1	11.0
7/13/2000	56.0	78.0	67.3	54.0	64.0	57.0	13.3	25.6	19.6	12.2	17.8	13.9
7/14/2000	61.0	80.0	68.7	57.0	66.0	61.3	16.1	26.7	20.4	13.9	18.9	16.3
7/15/2000	64.0	72.0	65.5	62.0	65.0	63.4	17.8	22.2	18.6	16.7	18.3	17.4
7/16/2000	64.0	78.0	67.3	61.0	65.0	63.2	17.8	25.6	19.6	16.1	18.3	17.3
7/17/2000	63.0	80.0	68.7	62.0	65.0	63.1	17.2	26.7	20.4	16.7	18.3	17.3
7/18/2000	60.0	84.0	70.5	54.0	66.0	61.3	15.6	28.9	21.4	12.2	18.9	16.3
7/19/2000	57.0	77.0	63.0	52.0	58.0	55.6	13.9	25.0	17.2	11.1	14.4	13.1
7/20/2000	60.0	79.0	66.9	46.0	59.0	55.0	15.6	26.1	19.4	7.8	15.0	12.8
7/21/2000	53.0	78.0	63.1	51.0	65.0	56.8	11.7	25.6	17.3	10.6	18.3	13.8
7/22/2000	58.0	76.0	64.5	51.0	64.0	58.0	14.4	24.4	18.1	10.6	17.8	14.4
7/23/2000	51.0	76.0	64.0	32.0	61.0	52.7	10.6	24.4	17.8	0.0	16.1	11.5
7/24/2000	56.0	74.0	64.7	55.0	61.0	57.9	13.3	23.3	18.2	12.8	16.1	14.4
7/25/2000	61.0	80.0	69.6	56.0	62.0	60.2	16.1	26.7	20.9	13.3	16.7	15.7
7/26/2000	61.0	75.0	68.6	58.0	65.0	61.7	16.1	23.9	20.3	14.4	18.3	16.5
7/27/2000	64.0	80.0	70.7	63.0	67.0	64.9	17.8	26.7	21.5	17.2	19.4	18.3
7/28/2000	63.0	83.0	69.4	62.0	68.0	65.0	17.2	28.3	20.8	16.7	20.0	18.3
7/29/2000	66.0	77.0	70.1	64.0	67.0	65.1	18.9	25.0	21.2	17.8	19.4	18.4
7/30/2000	68.0	81.0	73.6	66.0	73.0	70.1	20.0	27.2	23.1	18.9	22.8	21.2
7/31/2000	70.0	86.0	74.2	69.0	74.0	71.4	21.1	30.0	23.4	20.6	23.3	21.9
8/1/2000	72.0	86.0	76.1	68.0	73.0	71.8	22.2	30.0	24.5	20.0	22.8	22.1
8/2/2000	67.0	84.0	72.6	66.0	72.0	68.7	19.4	28.9	22.6	18.9	22.2	20.4
8/3/2000	68.0	81.0	71.7	66.0	72.0	68.7	20.0	27.2	22.1	18.9	22.2	20.4
8/4/2000	64.0	77.0	70.9	53.0	70.0	61.6	17.8	25.0	21.6	11.7	21.1	16.4
8/5/2000	54.0	79.0	66.3	52.0	63.0	55.4	12.2	26.1	19.1	11.1	17.2	13.0
8/6/2000	55.0	70.0	62.6	54.0	67.0	60.1	12.8	21.1	17.0	12.2	19.4	15.6
8/7/2000	66.0	85.0	71.5	66.0	72.0	68.6	18.9	29.4	21.9	18.9	22.2	20.3
8/8/2000	65.0	86.0	72.3	65.0	73.0	68.3	18.3	30.0	22.4	18.3	22.8	20.2
8/9/2000	71.0	88.0	78.3	67.0	72.0	69.6	21.7	31.1	25.7	19.4	22.2	20.9
8/10/2000	65.0	83.0	74.8	62.0	72.0	65.3	18.3	28.3	23.8	16.7	22.2	18.5
8/11/2000	66.0	81.0	70.9	61.0	68.0	64.9	18.9	27.2	21.6	16.1	20.0	18.3
8/12/2000	61.0	73.0	65.7	56.0	64.0	60.0	16.1	22.8	18.7	13.3	17.8	15.6
8/13/2000	61.0	76.0	67.1	58.0	64.0	60.6	16.1	24.4	19.5	14.4	17.8	15.9
8/14/2000	60.0	79.0	67.9	58.0	64.0	61.3	15.6	26.1	19.9	14.4	17.8	16.3
8/15/2000	59.0	85.0	70.6	57.0	69.0	62.9	15.0	29.4	21.4	13.9	20.6	17.2
8/16/2000	70.0	80.0	74.1	51.0	70.0	60.1	21.1	26.7	23.4	10.6	21.1	15.6
8/17/2000	61.0	72.0	65.4	48.0	56.0	51.8	16.1	22.2	18.6	8.9	13.3	11.0
8/18/2000	57.0	66.0	61.1	54.0	61.0	56.8	13.9	18.9	16.2	12.2	16.1	13.8
8/19/2000	56.0	77.0	63.1	48.0	60.0	54.5	13.3	25.0	17.3	8.9	15.6	12.5
8/20/2000	50.0	73.0	61.7	43.0	55.0	48.8	10.0	22.8	16.5	6.1	12.8	9.3
8/21/2000	45.0	73.0	58.8	43.0	54.0	48.2	7.2	22.8	14.9	6.1	12.2	9.0
8/22/2000	51.0	78.0	62.1	49.0	61.0	54.1	10.6	25.6	16.7	9.4	16.1	12.3

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
8/23/2000	64.0	74.0	67.6	59.0	69.0	63.1	17.8	23.3	19.8	15.0	20.6	17.3
8/24/2000	66.0	82.0	69.1	54.0	68.0	64.4	18.9	27.8	20.6	12.2	20.0	18.0
8/25/2000	55.0	81.0	65.3	49.0	61.0	55.4	12.8	27.2	18.5	9.4	16.1	13.0
8/26/2000	55.0	80.0	64.2	54.0	66.0	58.1	12.8	26.7	17.9	12.2	18.9	14.5
8/27/2000	61.0	78.0	67.1	57.0	71.0	63.2	16.1	25.6	19.5	13.9	21.7	17.3
8/28/2000	63.0	82.0	70.3	62.0	69.0	65.4	17.2	27.8	21.3	16.7	20.6	18.6
8/29/2000	64.0	79.0	70.3	63.0	66.0	64.8	17.8	26.1	21.3	17.2	18.9	18.2
8/30/2000	68.0	81.0	72.9	63.0	70.0	64.8	20.0	27.2	22.7	17.2	21.1	18.2
8/31/2000	67.0	83.0	73.0	66.0	73.0	67.4	19.4	28.3	22.8	18.9	22.8	19.7
9/1/2000	72.0	81.0	75.0	70.0	74.0	71.2	22.2	27.2	23.9	21.1	23.3	21.8
9/2/2000	71.0	85.0	74.8	66.0	73.0	71.1	21.7	29.4	23.8	18.9	22.8	21.7
9/3/2000	67.0	84.0	73.0	66.0	73.0	68.7	19.4	28.9	22.8	18.9	22.8	20.4
9/4/2000	63.0	83.0	73.5	52.0	72.0	67.0	17.2	28.3	23.1	11.1	22.2	19.4
9/5/2000	45.0	69.0	58.1	36.0	52.0	40.7	7.2	20.6	14.5	2.2	11.1	4.8
9/6/2000	42.0	70.0	53.2	41.0	52.0	44.5	5.6	21.1	11.8	5.0	11.1	6.9
9/7/2000	45.0	72.0	54.3	44.0	52.0	47.9	7.2	22.2	12.4	6.7	11.1	8.8
9/8/2000	48.0	78.0	59.0	46.0	64.0	52.3	8.9	25.6	15.0	7.8	17.8	11.3
9/9/2000	60.0	85.0	67.9	59.0	68.0	62.3	15.6	29.4	19.9	15.0	20.0	16.8
9/10/2000	66.0	84.0	72.0	64.0	70.0	68.1	18.9	28.9	22.2	17.8	21.1	20.1
9/11/2000	66.0	78.0	71.6	61.0	68.0	65.4	18.9	25.6	22.0	16.1	20.0	18.6
9/12/2000	70.0	80.0	73.5	64.0	70.0	67.2	21.1	26.7	23.1	17.8	21.1	19.6
9/13/2000	61.0	77.0	69.1	44.0	70.0	60.9	16.1	25.0	20.6	6.7	21.1	16.1
9/14/2000	49.0	75.0	58.4	32.0	53.0	46.2	9.4	23.9	14.7	0.0	11.7	7.9
9/15/2000	57.0	70.0	63.2	35.0	63.0	51.8	13.9	21.1	17.3	1.7	17.2	11.0
9/16/2000	48.0	63.0	55.8	36.0	49.0	45.1	8.9	17.2	13.2	2.2	9.4	7.3
9/17/2000	40.0	72.0	53.3	27.0	44.0	36.6	4.4	22.2	11.8	-2.8	6.7	2.6
9/18/2000	46.0	74.0	58.2	26.0	57.0	47.0	7.8	23.3	14.6	-3.3	13.9	8.3
9/19/2000	57.0	69.0	62.8	54.0	61.0	57.2	13.9	20.6	17.1	12.2	16.1	14.0
9/20/2000	55.0	82.0	62.7	55.0	64.0	58.3	12.8	27.8	17.1	12.8	17.8	14.6
9/21/2000	61.0	77.0	68.5	45.0	62.0	52.6	16.1	25.0	20.3	7.2	16.7	11.4
9/22/2000	45.0	67.0	55.3	43.0	47.0	44.9	7.2	19.4	12.9	6.1	8.3	7.2
9/23/2000	50.0	66.0	59.6	47.0	63.0	54.2	10.0	18.9	15.3	8.3	17.2	12.3
9/24/2000	55.0	65.0	62.3	50.0	64.0	60.1	12.8	18.3	16.8	10.0	17.8	15.6
9/25/2000	45.0	56.0	50.6	41.0	50.0	45.2	7.2	13.3	10.3	5.0	10.0	7.3
9/26/2000	46.0	55.0	49.7	43.0	50.0	46.0	7.8	12.8	9.8	6.1	10.0	7.8
9/27/2000	44.0	69.0	50.6	43.0	52.0	45.9	6.7	20.6	10.3	6.1	11.1	7.7
9/28/2000	46.0	59.0	51.0	36.0	51.0	44.0	7.8	15.0	10.6	2.2	10.6	6.7
9/29/2000	33.0	60.0	43.0	29.0	43.0	33.8	0.6	15.6	6.1	-1.7	6.1	1.0
9/30/2000	35.0	66.0	43.8	33.0	51.0	39.0	1.7	18.9	6.6	0.6	10.6	3.9
10/1/2000	42.0	70.0	51.2	42.0	54.0	46.2	5.6	21.1	10.7	5.6	12.2	7.9
10/2/2000	47.0	71.0	54.7	46.0	57.0	51.0	8.3	21.7	12.6	7.8	13.9	10.6
10/3/2000	54.0	81.0	59.4	49.0	61.0	54.8	12.2	27.2	15.2	9.4	16.1	12.7
10/4/2000	47.0	66.0	56.2	46.0	59.0	51.5	8.3	18.9	13.4	7.8	15.0	10.8
10/5/2000	54.0	63.0	55.4	51.0	55.0	52.8	12.2	17.2	13.0	10.6	12.8	11.6
10/6/2000	56.0	65.0	60.0	45.0	61.0	56.3	13.3	18.3	15.6	7.2	16.1	13.5
10/7/2000	43.0	60.0	48.4	34.0	47.0	40.6	6.1	15.6	9.1	1.1	8.3	4.8
10/8/2000	35.0	50.0	40.7	26.0	36.0	32.7	1.7	10.0	4.8	-3.3	2.2	0.4

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
10/9/2000	30.0	48.0	38.8	25.0	34.0	29.9	-1.1	8.9	3.8	-3.9	1.1	-1.2
10/10/2000	37.0	54.0	42.7	28.0	39.0	33.4	2.8	12.2	5.9	-2.2	3.9	0.8
10/11/2000	34.0	68.0	47.4	32.0	43.0	37.1	1.1	20.0	8.6	0.0	6.1	2.8
10/12/2000	36.0	73.0	50.9	34.0	43.0	39.0	2.2	22.8	10.5	1.1	6.1	3.9
10/13/2000	35.0	75.0	51.5	34.0	45.0	38.8	1.7	23.9	10.8	1.1	7.2	3.8
10/14/2000	39.0	78.0	55.4	38.0	48.0	42.8	3.9	25.6	13.0	3.3	8.9	6.0
10/15/2000	46.0	72.0	56.8	43.0	55.0	47.2	7.8	22.2	13.8	6.1	12.8	8.4
10/16/2000	55.0	67.0	59.3	53.0	54.0	53.7	12.8	19.4	15.2	11.7	12.2	12.1
10/17/2000	53.0	59.0	55.6	51.0	54.0	52.5	11.7	15.0	13.1	10.6	12.2	11.4
10/18/2000	53.0	65.0	57.3	48.0	57.0	53.5	11.7	18.3	14.1	8.9	13.9	11.9
10/19/2000	44.0	65.0	52.4	33.0	51.0	41.6	6.7	18.3	11.3	0.6	10.6	5.3
10/20/2000	34.0	68.0	46.9	34.0	49.0	39.0	1.1	20.0	8.3	1.1	9.4	3.9
10/21/2000	43.0	76.0	51.6	41.0	52.0	46.0	6.1	24.4	10.9	5.0	11.1	7.8
10/22/2000	40.0	65.0	53.7	23.0	51.0	35.5	4.4	18.3	12.1	-5.0	10.6	1.9
10/23/2000	31.0	61.0	44.6	29.0	34.0	31.5	-0.6	16.1	7.0	-1.7	1.1	-0.3
10/24/2000	43.0	53.0	47.7	31.0	47.0	37.6	6.1	11.7	8.7	-0.6	8.3	3.1
10/25/2000	48.0	71.0	54.6	46.0	56.0	49.9	8.9	21.7	12.6	7.8	13.3	9.9
10/26/2000	46.0	70.0	54.4	46.0	56.0	49.9	7.8	21.1	12.4	7.8	13.3	9.9
10/27/2000	45.0	70.0	55.6	43.0	55.0	48.3	7.2	21.1	13.1	6.1	12.8	9.1
10/28/2000	43.0	58.0	52.1	22.0	57.0	44.0	6.1	14.4	11.2	-5.6	13.9	6.7
10/29/2000	35.0	53.0	42.4	11.0	25.0	20.9	1.7	11.7	5.8	-11.7	-3.9	-6.2
10/30/2000	36.0	55.0	44.1	18.0	29.0	25.2	2.2	12.8	6.7	-7.8	-1.7	-3.8
10/31/2000	36.0	58.0	44.9	25.0	31.0	28.0	2.2	14.4	7.2	-3.9	-0.6	-2.2
11/1/2000	34.0	60.0	45.5	28.0	36.0	31.7	1.1	15.6	7.5	-2.2	2.2	-0.2
11/2/2000	34.0	66.0	47.2	32.0	37.0	33.8	1.1	18.9	8.4	0.0	2.8	1.0
11/3/2000	35.0	58.0	45.0	31.0	43.0	34.6	1.7	14.4	7.2	-0.6	6.1	1.4
11/4/2000	37.0	58.0	46.9	35.0	44.0	38.9	2.8	14.4	8.3	1.7	6.7	3.8
11/5/2000	36.0	49.0	44.1	26.0	38.0	32.2	2.2	9.4	6.7	-3.3	3.3	0.1
11/6/2000	28.0	54.0	38.9	26.0	31.0	27.8	-2.2	12.2	3.8	-3.3	-0.6	-2.3
11/7/2000	28.0	56.0	38.3	25.0	37.0	30.0	-2.2	13.3	3.5	-3.9	2.8	-1.1
11/8/2000	41.0	62.0	49.1	35.0	47.0	38.2	5.0	16.7	9.5	1.7	8.3	3.4
11/9/2000	51.0	58.0	54.5	46.0	55.0	51.4	10.6	14.4	12.5	7.8	12.8	10.8
11/10/2000	48.0	57.0	53.5	45.0	56.0	50.9	8.9	13.9	11.9	7.2	13.3	10.5
11/11/2000	45.0	50.0	47.8	36.0	47.0	41.0	7.2	10.0	8.8	2.2	8.3	5.0
11/12/2000	41.0	45.0	43.3	35.0	38.0	36.0	5.0	7.2	6.3	1.7	3.3	2.2
11/13/2000	39.0	48.0	41.5	35.0	41.0	37.7	3.9	8.9	5.3	1.7	5.0	3.2
11/14/2000	37.0	52.0	47.2	22.0	45.0	40.0	2.8	11.1	8.4	-5.6	7.2	4.4
11/15/2000	33.0	40.0	37.2	24.0	29.0	27.4	0.6	4.4	2.9	-4.4	-1.7	-2.6
11/16/2000	26.0	43.0	35.4	23.0	28.0	25.9	-3.3	6.1	1.9	-5.0	-2.2	-3.4
11/17/2000	31.0	43.0	38.9	27.0	30.0	28.6	-0.6	6.1	3.8	-2.8	-1.1	-1.9
11/18/2000	33.0	39.0	36.4	21.0	32.0	27.9	0.6	3.9	2.4	-6.1	0.0	-2.3
11/19/2000	25.0	39.0	33.1	17.0	23.0	19.8	-3.9	3.9	0.6	-8.3	-5.0	-6.8
11/20/2000	21.0	36.0	28.7	15.0	31.0	23.8	-6.1	2.2	-1.8	-9.4	-0.6	-4.6
11/21/2000	28.0	34.0	31.3	15.0	21.0	18.8	-2.2	1.1	-0.4	-9.4	-6.1	-7.3
11/22/2000	23.0	29.0	25.8	12.0	25.0	16.6	-5.0	-1.7	-3.4	-11.1	-3.9	-8.6
11/23/2000	19.0	31.0	24.6	5.0	21.0	10.8	-7.2	-0.6	-4.1	-15.0	-6.1	-11.8
11/24/2000	17.0	36.0	24.1	9.0	16.0	11.4	-8.3	2.2	-4.4	-12.8	-8.9	-11.4

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
11/25/2000	22.0	38.0	29.1	14.0	20.0	16.8	-5.6	3.3	-1.6	-10.0	-6.7	-8.4
11/26/2000	34.0	49.0	44.4	20.0	48.0	42.3	1.1	9.4	6.9	-6.7	8.9	5.7
11/27/2000	42.0	47.0	43.9	37.0	43.0	40.2	5.6	8.3	6.6	2.8	6.1	4.6
11/28/2000	39.0	45.0	43.3	30.0	38.0	35.3	3.9	7.2	6.3	-1.1	3.3	1.8
11/29/2000	36.0	45.0	39.5	28.0	36.0	31.4	2.2	7.2	4.2	-2.2	2.2	-0.3
11/30/2000	37.0	40.0	37.6	22.0	36.0	32.3	2.8	4.4	3.1	-5.6	2.2	0.2
12/1/2000	30.0	39.0	34.0	18.0	26.0	22.1	-1.1	3.9	1.1	-7.8	-3.3	-5.5
12/2/2000	19.0	33.0	26.8	10.0	18.0	15.0	-7.2	0.6	-2.9	-12.2	-7.8	-9.4
12/3/2000	15.0	34.0	22.1	10.0	21.0	14.3	-9.4	1.1	-5.5	-12.2	-6.1	-9.8
12/4/2000	12.0	35.0	22.0	9.0	21.0	15.0	-11.1	1.7	-5.6	-12.8	-6.1	-9.4
12/5/2000	23.0	41.0	30.3	10.0	30.0	21.5	-5.0	5.0	-0.9	-12.2	-1.1	-5.8
12/6/2000	22.0	29.0	24.5	7.0	14.0	9.0	-5.6	-1.7	-4.2	-13.9	-10.0	-12.8
12/7/2000	19.0	30.0	24.1	8.0	16.0	12.6	-7.2	-1.1	-4.4	-13.3	-8.9	-10.8
12/8/2000	24.0	30.0	26.3	12.0	27.0	21.4	-4.4	-1.1	-3.2	-11.1	-2.8	-5.9
12/9/2000	15.0	31.0	26.1	12.0	27.0	19.2	-9.4	-0.6	-3.3	-11.1	-2.8	-7.1
12/10/2000	12.0	34.0	22.0	9.0	27.0	16.4	-11.1	1.1	-5.6	-12.8	-2.8	-8.7
12/11/2000	31.0	37.0	33.8	27.0	32.0	29.2	-0.6	2.8	1.0	-2.8	0.0	-1.6
12/12/2000	27.0	44.0	36.7	7.0	37.0	26.1	-2.8	6.7	2.6	-13.9	2.8	-3.3
12/13/2000	12.0	27.0	21.1	7.0	16.0	10.1	-11.1	-2.8	-6.1	-13.9	-8.9	-12.2
12/14/2000	25.0	36.0	29.3	6.0	32.0	24.7	-3.9	2.2	-1.5	-14.4	0.0	-4.1
12/15/2000	26.0	36.0	32.1	17.0	30.0	21.3	-3.3	2.2	0.1	-8.3	-1.1	-5.9
12/16/2000	26.0	39.0	34.1	19.0	32.0	27.9	-3.3	3.9	1.2	-7.2	0.0	-2.3
12/17/2000	32.0	51.0	42.9	18.0	49.0	38.3	0.0	10.6	6.1	-7.8	9.4	3.5
12/18/2000	19.0	32.0	23.3	7.0	18.0	11.5	-7.2	0.0	-4.8	-13.9	-7.8	-11.4
12/19/2000	17.0	27.0	23.1	9.0	25.0	18.1	-8.3	-2.8	-4.9	-12.8	-3.9	-7.7
12/20/2000	16.0	27.0	22.3	6.0	25.0	15.8	-8.9	-2.8	-5.4	-14.4	-3.9	-9.0
12/21/2000	10.0	27.0	16.6	7.0	14.0	10.6	-12.2	-2.8	-8.6	-13.9	-10.0	-11.9
12/22/2000	10.0	27.0	21.7	-5.0	21.0	12.9	-12.2	-2.8	-5.7	-20.6	-6.1	-10.6
12/23/2000	7.0	24.0	12.0	-6.0	10.0	1.5	-13.9	-4.4	-11.1	-21.1	-12.2	-16.9
12/24/2000	12.0	29.0	19.3	6.0	15.0	10.1	-11.1	-1.7	-7.1	-14.4	-9.4	-12.2
12/25/2000	13.0	25.0	17.8	-2.0	11.0	2.9	-10.6	-3.9	-7.9	-18.9	-11.7	-16.2
12/26/2000	12.0	25.0	18.2	-2.0	10.0	6.0	-11.1	-3.9	-7.7	-18.9	-12.2	-14.4
12/27/2000	16.0	28.0	21.2	1.0	16.0	10.7	-8.9	-2.2	-6.0	-17.2	-8.9	-11.8
12/28/2000	13.0	25.0	20.1	0.0	18.0	8.9	-10.6	-3.9	-6.6	-17.8	-7.8	-12.8
12/29/2000	9.0	23.0	16.0	3.0	13.0	7.9	-12.8	-5.0	-8.9	-16.1	-10.6	-13.4
12/30/2000	14.0	29.0	21.9	9.0	18.0	14.0	-10.0	-1.7	-5.6	-12.8	-7.8	-10.0
12/31/2000	21.0	29.0	21.9	9.0	19.0	14.0	-6.1	-1.7	-5.6	-12.8	-7.2	-10.0
1/1/2001	17.0	33.0	26.0	9.0	15.0	12.7	-8.3	0.6	-3.3	-12.8	-9.4	-10.7
1/2/2001	15.0	28.0	21.3	4.0	12.0	9.0	-9.4	-2.2	-5.9	-15.6	-11.1	-12.8
1/3/2001	12.0	29.0	22.0	6.0	14.0	10.5	-11.1	-1.7	-5.6	-14.4	-10.0	-11.9
1/4/2001	26.0	33.0	28.0	9.0	19.0	16.1	-3.3	0.6	-2.2	-12.8	-7.2	-8.8
1/5/2001	16.0	28.0	24.0	11.0	25.0	18.5	-8.9	-2.2	-4.4	-11.7	-3.9	-7.5
1/6/2001	21.0	34.0	28.0	17.0	25.0	22.5	-6.1	1.1	-2.2	-8.3	-3.9	-5.3
1/7/2001	21.0	35.0	27.8	18.0	27.0	21.9	-6.1	1.7	-2.3	-7.8	-2.8	-5.6
1/8/2001	25.0	34.0	30.1	23.0	32.0	27.1	-3.9	1.1	-1.1	-5.0	0.0	-2.7
1/9/2001	19.0	34.0	26.8	8.0	25.0	14.5	-7.2	1.1	-2.9	-13.3	-3.9	-9.7
1/10/2001	22.0	34.0	27.8	7.0	21.0	16.4	-5.6	1.1	-2.3	-13.9	-6.1	-8.7

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
1/11/2001	25.0	43.0	34.4	17.0	25.0	20.0	-3.9	6.1	1.3	-8.3	-3.9	-6.7
1/12/2001	18.0	38.0	26.5	16.0	25.0	20.9	-7.8	3.3	-3.1	-8.9	-3.9	-6.2
1/13/2001	18.0	37.0	24.9	16.0	23.0	19.6	-7.8	2.8	-3.9	-8.9	-5.0	-6.9
1/14/2001	19.0	37.0	25.5	17.0	27.0	21.1	-7.2	2.8	-3.6	-8.3	-2.8	-6.1
1/15/2001	32.0	37.0	34.7	25.0	32.0	29.7	0.0	2.8	1.5	-3.9	0.0	-1.3
1/16/2001	33.0	40.0	35.9	28.0	34.0	31.6	0.6	4.4	2.2	-2.2	1.1	-0.2
1/17/2001	35.0	37.0	35.9	24.0	29.0	26.6	1.7	2.8	2.2	-4.4	-1.7	-3.0
1/18/2001	30.0	36.0	32.7	22.0	29.0	25.6	-1.1	2.2	0.4	-5.6	-1.7	-3.6
1/19/2001	32.0	34.0	33.5	28.0	34.0	31.9	0.0	1.1	0.8	-2.2	1.1	-0.1
1/20/2001	27.0	36.0	31.3	19.0	34.0	24.4	-2.8	2.2	-0.4	-7.2	1.1	-4.2
1/21/2001	19.0	30.0	22.1	6.0	21.0	14.9	-7.2	-1.1	-5.5	-14.4	-6.1	-9.5
1/22/2001	11.0	31.0	21.3	8.0	17.0	12.2	-11.7	-0.6	-5.9	-13.3	-8.3	-11.0
1/23/2001	7.0	28.0	14.4	3.0	18.0	10.6	-13.9	-2.2	-9.8	-16.1	-7.8	-11.9
1/24/2001	16.0	40.0	24.5	14.0	25.0	18.9	-8.9	4.4	-4.2	-10.0	-3.9	-7.3
1/25/2001	27.0	36.0	30.9	7.0	24.0	17.2	-2.8	2.2	-0.6	-13.9	-4.4	-8.2
1/26/2001	12.0	30.0	20.5	4.0	16.0	10.9	-11.1	-1.1	-6.4	-15.6	-8.9	-11.7
1/27/2001	27.0	36.0	29.6	14.0	29.0	22.3	-2.8	2.2	-1.3	-10.0	-1.7	-5.4
1/28/2001	22.0	32.0	28.3	12.0	24.0	15.5	-5.6	0.0	-2.1	-11.1	-4.4	-9.2
1/29/2001	14.0	33.0	23.5	11.0	20.0	15.4	-10.0	0.6	-4.7	-11.7	-6.7	-9.2
1/30/2001	30.0	37.0	34.2	18.0	32.0	28.1	-1.1	2.8	1.2	-7.8	0.0	-2.2
1/31/2001	33.0	40.0	35.2	30.0	36.0	32.4	0.6	4.4	1.8	-1.1	2.2	0.2
2/1/2001	34.0	41.0	37.8	28.0	32.0	30.5	1.1	5.0	3.2	-2.2	0.0	-0.8
2/2/2001	28.0	40.0	36.3	9.0	30.0	25.9	-2.2	4.4	2.4	-12.8	-1.1	-3.4
2/3/2001	19.0	29.0	24.5	6.0	15.0	10.3	-7.2	-1.7	-4.2	-14.4	-9.4	-12.1
2/4/2001	19.0	37.0	27.6	10.0	19.0	14.6	-7.2	2.8	-2.4	-12.2	-7.2	-9.7
2/5/2001	30.0	36.0	32.0	18.0	31.0	27.0	-1.1	2.2	0.0	-7.8	-0.6	-2.8
2/6/2001	33.0	41.0	36.8	25.0	34.0	29.8	0.6	5.0	2.7	-3.9	1.1	-1.2
2/7/2001	34.0	42.0	36.8	20.0	34.0	27.0	1.1	5.6	2.7	-6.7	1.1	-2.8
2/8/2001	25.0	41.0	32.2	20.0	27.0	23.0	-3.9	5.0	0.1	-6.7	-2.8	-5.0
2/9/2001	36.0	49.0	40.9	27.0	39.0	33.3	2.2	9.4	4.9	-2.8	3.9	0.7
2/10/2001	28.0	58.0	43.4	7.0	45.0	26.1	-2.2	14.4	6.3	-13.9	7.2	-3.3
2/11/2001	21.0	31.0	25.0	3.0	8.0	4.3	-6.1	-0.6	-3.9	-16.1	-13.3	-15.4
2/12/2001	15.0	35.0	23.1	0.0	12.0	4.6	-9.4	1.7	-4.9	-17.8	-11.1	-15.2
2/13/2001	32.0	49.0	37.0	12.0	28.0	23.5	0.0	9.4	2.8	-11.1	-2.2	-4.7
2/14/2001	29.0	45.0	39.7	25.0	43.0	35.0	-1.7	7.2	4.3	-3.9	6.1	1.7
2/15/2001	36.0	45.0	39.9	23.0	43.0	34.9	2.2	7.2	4.4	-5.0	6.1	1.6
2/16/2001	29.0	37.0	33.9	25.0	36.0	31.1	-1.7	2.8	1.1	-3.9	2.2	-0.5
2/17/2001	21.0	36.0	32.0	1.0	36.0	23.3	-6.1	2.2	0.0	-17.2	2.2	-4.8
2/18/2001	17.0	32.0	22.6	0.0	10.0	4.6	-8.3	0.0	-5.2	-17.8	-12.2	-15.2
2/19/2001	14.0	41.0	26.1	6.0	16.0	10.8	-10.0	5.0	-3.3	-14.4	-8.9	-11.8
2/20/2001	30.0	57.0	41.0	15.0	32.0	24.8	-1.1	13.9	5.0	-9.4	0.0	-4.0
2/21/2001	23.0	50.0	35.9	-2.0	38.0	17.2	-5.0	10.0	2.2	-18.9	3.3	-8.2
2/22/2001	12.0	23.0	17.8	0.0	16.0	9.1	-11.1	-5.0	-7.9	-17.8	-8.9	-12.7
2/23/2001	18.0	37.0	22.8	13.0	22.0	16.3	-7.8	2.8	-5.1	-10.6	-5.6	-8.7
2/24/2001	19.0	32.0	26.4	9.0	18.0	12.6	-7.2	0.0	-3.1	-12.8	-7.8	-10.8
2/25/2001	30.0	43.0	34.6	14.0	32.0	26.3	-1.1	6.1	1.4	-10.0	0.0	-3.2
2/26/2001	36.0	45.0	39.9	21.0	38.0	28.4	2.2	7.2	4.4	-6.1	3.3	-2.0

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
2/27/2001	22.0	47.0	32.5	19.0	27.0	22.5	-5.6	8.3	0.3	-7.2	-2.8	-5.3
2/28/2001	23.0	40.0	31.3	2.0	20.0	9.1	-5.0	4.4	-0.4	-16.7	-6.7	-12.7
3/1/2001	21.0	37.0	29.1	2.0	13.0	8.8	-6.1	2.8	-1.6	-16.7	-10.6	-12.9
3/2/2001	28.0	39.0	32.1	14.0	32.0	27.7	-2.2	3.9	0.1	-10.0	0.0	-2.4
3/3/2001	33.0	45.0	37.5	24.0	35.0	31.6	0.6	7.2	3.1	-4.4	1.7	-0.2
3/4/2001	27.0	37.0	31.9	23.0	32.0	28.1	-2.8	2.8	-0.1	-5.0	0.0	-2.2
3/5/2001	27.0	32.0	28.4	20.0	30.0	26.2	-2.8	0.0	-2.0	-6.7	-1.1	-3.2
3/6/2001	19.0	36.0	24.5	8.0	25.0	16.9	-7.2	2.2	-4.2	-13.3	-3.9	-8.4
3/7/2001	30.0	43.0	35.6	20.0	25.0	22.2	-1.1	6.1	2.0	-6.7	-3.9	-5.4
3/8/2001	30.0	41.0	35.3	19.0	27.0	23.2	-1.1	5.0	1.8	-7.2	-2.8	-4.9
3/9/2001	30.0	40.0	34.1	24.0	32.0	29.0	-1.1	4.4	1.2	-4.4	0.0	-1.7
3/10/2001	28.0	42.0	33.0	18.0	27.0	20.4	-2.2	5.6	0.6	-7.8	-2.8	-6.4
3/11/2001	22.0	44.0	32.1	18.0	31.0	22.2	-5.6	6.7	0.1	-7.8	-0.6	-5.4
3/12/2001	21.0	48.0	33.9	14.0	21.0	17.1	-6.1	8.9	1.1	-10.0	-6.1	-8.3
3/13/2001	34.0	45.0	38.0	18.0	40.0	33.7	1.1	7.2	3.3	-7.8	4.4	0.9
3/14/2001	37.0	46.0	40.7	22.0	37.0	29.2	2.8	7.8	4.8	-5.6	2.8	-1.6
3/15/2001	25.0	46.0	34.6	23.0	32.0	26.5	-3.9	7.8	1.4	-5.0	0.0	-3.1
3/16/2001	27.0	44.0	36.2	25.0	39.0	31.2	-2.8	6.7	2.3	-3.9	3.9	-0.4
3/17/2001	37.0	43.0	39.7	32.0	41.0	38.0	2.8	6.1	4.3	0.0	5.0	3.3
3/18/2001	30.0	46.0	36.3	12.0	34.0	21.6	-1.1	7.8	2.4	-11.1	1.1	-5.8
3/19/2001	26.0	51.0	37.4	10.0	21.0	16.1	-3.3	10.6	3.0	-12.2	-6.1	-8.8
3/20/2001	24.0	53.0	37.4	11.0	24.0	19.3	-4.4	11.7	3.0	-11.7	-4.4	-7.1
3/21/2001	36.0	49.0	40.6	20.0	40.0	31.6	2.2	9.4	4.8	-6.7	4.4	-0.2
3/22/2001	37.0	43.0	39.8	29.0	36.0	33.1	2.8	6.1	4.3	-1.7	2.2	0.6
3/23/2001	35.0	55.0	44.1	14.0	31.0	23.6	1.7	12.8	6.7	-10.0	-0.6	-4.7
3/24/2001	29.0	49.0	40.1	10.0	34.0	23.6	-1.7	9.4	4.5	-12.2	1.1	-4.7
3/25/2001	27.0	37.0	31.3	10.0	19.0	13.7	-2.8	2.8	-0.4	-12.2	-7.2	-10.2
3/26/2001	23.0	33.0	27.9	2.0	22.0	15.3	-5.0	0.6	-2.3	-16.7	-5.6	-9.3
3/27/2001	16.0	38.0	27.0	0.0	15.0	9.4	-8.9	3.3	-2.8	-17.8	-9.4	-12.6
3/28/2001	24.0	48.0	34.1	14.0	20.0	17.3	-4.4	8.9	1.2	-10.0	-6.7	-8.2
3/29/2001	29.0	45.0	37.6	18.0	38.0	27.8	-1.7	7.2	3.1	-7.8	3.3	-2.3
3/30/2001	34.0	44.0	37.8	34.0	39.0	36.2	1.1	6.7	3.2	1.1	3.9	2.3
3/31/2001	36.0	45.0	39.7	30.0	34.0	31.7	2.2	7.2	4.3	-1.1	1.1	-0.2
4/1/2001	33.0	45.0	38.5	30.0	34.0	32.3	0.6	7.2	3.6	-1.1	1.1	0.2
4/2/2001	36.0	48.0	40.4	28.0	36.0	31.7	2.2	8.9	4.7	-2.2	2.2	-0.2
4/3/2001	25.0	50.0	37.2	24.0	37.0	30.1	-3.9	10.0	2.9	-4.4	2.8	-1.1
4/4/2001	30.0	57.0	38.4	21.0	37.0	30.8	-1.1	13.9	3.6	-6.1	2.8	-0.7
4/5/2001	27.0	63.0	45.7	19.0	29.0	23.9	-2.8	17.2	7.6	-7.2	-1.7	-4.5
4/6/2001	44.0	54.0	47.2	27.0	48.0	40.1	6.7	12.2	8.4	-2.8	8.9	4.5
4/7/2001	46.0	54.0	48.6	45.0	49.0	46.7	7.8	12.2	9.2	7.2	9.4	8.2
4/8/2001	42.0	55.0	46.6	39.0	47.0	43.0	5.6	12.8	8.1	3.9	8.3	6.1
4/9/2001	39.0	77.0	52.1	39.0	63.0	48.2	3.9	25.0	11.2	3.9	17.2	9.0
4/10/2001	45.0	63.0	53.0	37.0	62.0	43.2	7.2	17.2	11.7	2.8	16.7	6.2
4/11/2001	50.0	58.0	52.5	45.0	52.0	47.8	10.0	14.4	11.4	7.2	11.1	8.8
4/12/2001	48.0	61.0	52.1	48.0	57.0	50.6	8.9	16.1	11.2	8.9	13.9	10.3
4/13/2001	50.0	71.0	58.2	29.0	58.0	47.9	10.0	21.7	14.6	-1.7	14.4	8.8
4/14/2001	39.0	68.0	53.9	26.0	36.0	31.4	3.9	20.0	12.2	-3.3	2.2	-0.3

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
4/15/2001	39.0	64.0	53.3	34.0	40.0	36.6	3.9	17.8	11.8	1.1	4.4	2.6
4/16/2001	44.0	58.0	48.0	37.0	49.0	43.8	6.7	14.4	8.9	2.8	9.4	6.6
4/17/2001	38.0	49.0	41.3	28.0	39.0	34.5	3.3	9.4	5.2	-2.2	3.9	1.4
4/18/2001	34.0	45.0	40.0	14.0	33.0	20.3	1.1	7.2	4.4	-10.0	0.6	-6.5
4/19/2001	24.0	56.0	38.4	15.0	27.0	21.4	-4.4	13.3	3.6	-9.4	-2.8	-5.9
4/20/2001	31.0	57.0	43.7	23.0	47.0	31.0	-0.6	13.9	6.5	-5.0	8.3	-0.6
4/21/2001	46.0	64.0	49.8	46.0	54.0	47.2	7.8	17.8	9.9	7.8	12.2	8.4
4/22/2001	49.0	82.0	62.8	48.0	61.0	54.3	9.4	27.8	17.1	8.9	16.1	12.4
4/23/2001	53.0	86.0	70.6	50.0	63.0	57.4	11.7	30.0	21.4	10.0	17.2	14.1
4/24/2001	54.0	83.0	68.5	34.0	59.0	52.2	12.2	28.3	20.3	1.1	15.0	11.2
4/25/2001	41.0	59.0	48.8	25.0	33.0	28.4	5.0	15.0	9.3	-3.9	0.6	-2.0
4/26/2001	33.0	64.0	48.7	21.0	32.0	27.5	0.6	17.8	9.3	-6.1	0.0	-2.5
4/27/2001	37.0	73.0	54.0	21.0	46.0	35.5	2.8	22.8	12.2	-6.1	7.8	1.9
4/28/2001	42.0	67.0	53.3	16.0	43.0	25.8	5.6	19.4	11.8	-8.9	6.1	-3.4
4/29/2001	30.0	66.0	47.7	15.0	30.0	24.0	-1.1	18.9	8.7	-9.4	-1.1	-4.4
4/30/2001	35.0	78.0	55.0	28.0	38.0	32.5	1.7	25.6	12.8	-2.2	3.3	0.3
5/1/2001	45.0	85.0	63.9	36.0	47.0	41.9	7.2	29.4	17.7	2.2	8.3	5.5
5/2/2001	50.0	87.0	68.8	43.0	63.0	49.5	10.0	30.6	20.4	6.1	17.2	9.7
5/3/2001	54.0	91.0	70.9	53.0	61.0	55.2	12.2	32.8	21.6	11.7	16.1	12.9
5/4/2001	56.0	90.0	73.3	54.0	63.0	57.2	13.3	32.2	22.9	12.2	17.2	14.0
5/5/2001	56.0	80.0	64.9	21.0	67.0	46.4	13.3	26.7	18.3	-6.1	19.4	8.0
5/6/2001	39.0	70.0	55.5	22.0	37.0	33.2	3.9	21.1	13.1	-5.6	2.8	0.7
5/7/2001	44.0	69.0	57.6	27.0	38.0	34.5	6.7	20.6	14.2	-2.8	3.3	1.4
5/8/2001	48.0	68.0	57.1	32.0	50.0	44.1	8.9	20.0	13.9	0.0	10.0	6.7
5/9/2001	57.0	79.0	62.3	41.0	58.0	54.0	13.9	26.1	16.8	5.0	14.4	12.2
5/10/2001	48.0	82.0	65.7	45.0	52.0	48.3	8.9	27.8	18.7	7.2	11.1	9.1
5/11/2001	49.0	85.0	66.4	48.0	55.0	51.6	9.4	29.4	19.1	8.9	12.8	10.9
5/12/2001	57.0	76.0	65.8	46.0	64.0	59.3	13.9	24.4	18.8	7.8	17.8	15.2
5/13/2001	49.0	65.0	56.2	27.0	46.0	36.4	9.4	18.3	13.4	-2.8	7.8	2.4
5/14/2001	36.0	62.0	49.7	28.0	47.0	37.5	2.2	16.7	9.8	-2.2	8.3	3.1
5/15/2001	42.0	73.0	52.6	30.0	46.0	40.8	5.6	22.8	11.4	-1.1	7.8	4.9
5/16/2001	40.0	72.0	56.1	26.0	45.0	37.2	4.4	22.2	13.4	-3.3	7.2	2.9
5/17/2001	53.0	66.0	56.2	44.0	54.0	47.5	11.7	18.9	13.4	6.7	12.2	8.6
5/18/2001	54.0	63.0	58.0	52.0	58.0	54.6	12.2	17.2	14.4	11.1	14.4	12.6
5/19/2001	57.0	80.0	63.5	48.0	58.0	55.5	13.9	26.7	17.5	8.9	14.4	13.1
5/20/2001	49.0	74.0	61.0	48.0	57.0	52.9	9.4	23.3	16.1	8.9	13.9	11.6
5/21/2001	52.0	63.0	56.1	50.0	55.0	52.6	11.1	17.2	13.4	10.0	12.8	11.4
5/22/2001	55.0	68.0	59.9	55.0	64.0	58.3	12.8	20.0	15.5	12.8	17.8	14.6
5/23/2001	53.0	73.0	62.9	42.0	63.0	51.6	11.7	22.8	17.2	5.6	17.2	10.9
5/24/2001	49.0	76.0	59.7	49.0	57.0	52.2	9.4	24.4	15.4	9.4	13.9	11.2
5/25/2001	60.0	71.0	64.4	52.0	57.0	55.1	15.6	21.7	18.0	11.1	13.9	12.8
5/26/2001	57.0	64.0	60.5	55.0	59.0	57.1	13.9	17.8	15.8	12.8	15.0	13.9
5/27/2001	59.0	67.0	61.0	54.0	59.0	56.1	15.0	19.4	16.1	12.2	15.0	13.4
5/28/2001	52.0	65.0	56.3	48.0	55.0	52.0	11.1	18.3	13.5	8.9	12.8	11.1
5/29/2001	49.0	71.0	59.1	45.0	56.0	50.6	9.4	21.7	15.1	7.2	13.3	10.3
5/30/2001	50.0	66.0	57.9	27.0	47.0	38.2	10.0	18.9	14.4	-2.8	8.3	3.4
5/31/2001	43.0	71.0	55.6	29.0	32.0	31.6	6.1	21.7	13.1	-1.7	0.0	-0.2

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
6/1/2001	41.0	66.0	53.1	31.0	54.0	42.7	5.0	18.9	11.7	-0.6	12.2	5.9
6/2/2001	54.0	71.0	60.2	48.0	57.0	51.5	12.2	21.7	15.7	8.9	13.9	10.8
6/3/2001	55.0	67.0	59.3	45.0	57.0	52.6	12.8	19.4	15.2	7.2	13.9	11.4
6/4/2001	55.0	71.0	62.4	47.0	52.0	49.4	12.8	21.7	16.9	8.3	11.1	9.7
6/5/2001	48.0	76.0	61.3	47.0	54.0	50.8	8.9	24.4	16.3	8.3	12.2	10.4
6/6/2001	60.0	73.0	66.0	51.0	56.0	54.0	15.6	22.8	18.9	10.6	13.3	12.2
6/7/2001	55.0	77.0	66.5	46.0	57.0	50.7	12.8	25.0	19.2	7.8	13.9	10.4
6/8/2001	49.0	79.0	64.7	41.0	53.0	46.9	9.4	26.1	18.2	5.0	11.7	8.3
6/9/2001	48.0	79.0	64.3	41.0	50.0	45.9	8.9	26.1	17.9	5.0	10.0	7.7
6/10/2001	48.0	80.0	62.8	45.0	56.0	50.3	8.9	26.7	17.1	7.2	13.3	10.2
6/11/2001	61.0	81.0	70.1	56.0	64.0	60.1	16.1	27.2	21.2	13.3	17.8	15.6
6/12/2001	55.0	85.0	66.9	55.0	68.0	60.5	12.8	29.4	19.4	12.8	20.0	15.8
6/13/2001	64.0	87.0	70.5	61.0	70.0	65.0	17.8	30.6	21.4	16.1	21.1	18.3
6/14/2001	63.0	90.0	76.3	61.0	70.0	65.5	17.2	32.2	24.6	16.1	21.1	18.6
6/15/2001	70.0	83.0	76.7	65.0	70.0	67.5	21.1	28.3	24.8	18.3	21.1	19.7
6/16/2001	70.0	84.0	75.4	32.0	70.0	46.7	21.1	28.9	24.1	0.0	21.1	8.2
6/17/2001	64.0	86.0	72.3	32.0	65.0	57.8	17.8	30.0	22.4	0.0	18.3	14.3
6/18/2001	59.0	84.0	71.5	54.0	61.0	57.8	15.0	28.9	21.9	12.2	16.1	14.3
6/19/2001	61.0	90.0	74.3	59.0	65.0	61.7	16.1	32.2	23.5	15.0	18.3	16.5
6/20/2001	62.0	88.0	73.4	59.0	68.0	63.8	16.7	31.1	23.0	15.0	20.0	17.7
6/21/2001	66.0	80.0	69.1	64.0	67.0	65.8	18.9	26.7	20.6	17.8	19.4	18.8
6/22/2001	64.0	80.0	71.3	64.0	70.0	66.4	17.8	26.7	21.8	17.8	21.1	19.1
6/23/2001	63.0	70.0	66.8	57.0	68.0	64.6	17.2	21.1	19.3	13.9	20.0	18.1
6/24/2001	55.0	78.0	63.1	55.0	61.0	56.5	12.8	25.6	17.3	12.8	16.1	13.6
6/25/2001	55.0	83.0	67.9	55.0	65.0	58.8	12.8	28.3	19.9	12.8	18.3	14.9
6/26/2001	59.0	85.0	71.2	55.0	63.0	59.9	15.0	29.4	21.8	12.8	17.2	15.5
6/27/2001	62.0	88.0	74.3	60.0	69.0	63.7	16.7	31.1	23.5	15.6	20.6	17.6
6/28/2001	64.0	89.0	75.1	62.0	71.0	66.0	17.8	31.7	23.9	16.7	21.7	18.9
6/29/2001	65.0	89.0	75.9	63.0	71.0	66.2	18.3	31.7	24.4	17.2	21.7	19.0
6/30/2001	66.0	86.0	75.4	64.0	70.0	67.8	18.9	30.0	24.1	17.8	21.1	19.9
7/1/2001	66.0	87.0	72.9	63.0	70.0	67.3	18.9	30.6	22.7	17.2	21.1	19.6
7/2/2001	52.0	71.0	61.1	39.0	68.0	44.8	11.1	21.7	16.2	3.9	20.0	7.1
7/3/2001	48.0	75.0	60.5	45.0	61.0	50.8	8.9	23.9	15.8	7.2	16.1	10.4
7/4/2001	61.0	79.0	70.3	60.0	70.0	64.2	16.1	26.1	21.3	15.6	21.1	17.9
7/5/2001	64.0	81.0	68.0	57.0	68.0	63.3	17.8	27.2	20.0	13.9	20.0	17.4
7/6/2001	53.0	76.0	63.8	47.0	64.0	54.4	11.7	24.4	17.7	8.3	17.8	12.4
7/7/2001	51.0	80.0	64.5	48.0	57.0	52.8	10.6	26.7	18.1	8.9	13.9	11.6
7/8/2001	64.0	80.0	69.5	54.0	73.0	64.4	17.8	26.7	20.8	12.2	22.8	18.0
7/9/2001	60.0	88.0	72.9	59.0	73.0	63.1	15.6	31.1	22.7	15.0	22.8	17.3
7/10/2001	61.0	83.0	71.5	60.0	67.0	64.1	16.1	28.3	21.9	15.6	19.4	17.8
7/11/2001	61.0	78.0	67.0	52.0	67.0	60.8	16.1	25.6	19.4	11.1	19.4	16.0
7/12/2001	57.0	77.0	66.3	49.0	55.0	53.3	13.9	25.0	19.1	9.4	12.8	11.8
7/13/2001	51.0	72.0	63.0	50.0	63.0	54.3	10.6	22.2	17.2	10.0	17.2	12.4
7/14/2001	56.0	77.0	66.0	53.0	63.0	56.3	13.3	25.0	18.9	11.7	17.2	13.5
7/15/2001	55.0	81.0	67.5	53.0	63.0	56.9	12.8	27.2	19.7	11.7	17.2	13.8
7/16/2001	59.0	79.0	68.8	57.0	67.0	61.6	15.0	26.1	20.4	13.9	19.4	16.4
7/17/2001	64.0	84.0	70.4	64.0	67.0	65.2	17.8	28.9	21.3	17.8	19.4	18.4

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
7/18/2001	66.0	82.0	69.8	64.0	68.0	65.6	18.9	27.8	21.0	17.8	20.0	18.7
7/19/2001	63.0	82.0	70.2	60.0	69.0	64.3	17.2	27.8	21.2	15.6	20.6	17.9
7/20/2001	63.0	82.0	72.6	54.0	68.0	62.1	17.2	27.8	22.6	12.2	20.0	16.7
7/21/2001	55.0	84.0	69.5	52.0	62.0	56.0	12.8	28.9	20.8	11.1	16.7	13.3
7/22/2001	55.0	85.0	69.7	54.0	62.0	58.0	12.8	29.4	20.9	12.2	16.7	14.4
7/23/2001	61.0	90.0	75.7	59.0	68.0	63.3	16.1	32.2	24.3	15.0	20.0	17.4
7/24/2001	67.0	96.0	80.5	64.0	72.0	67.0	19.4	35.6	26.9	17.8	22.2	19.4
7/25/2001	70.0	90.0	76.1	69.0	74.0	71.0	21.1	32.2	24.5	20.6	23.3	21.7
7/26/2001	66.0	77.0	70.7	48.0	72.0	64.3	18.9	25.0	21.5	8.9	22.2	17.9
7/27/2001	49.0	77.0	63.6	45.0	50.0	47.1	9.4	25.0	17.6	7.2	10.0	8.4
7/28/2001	53.0	81.0	65.9	49.0	57.0	53.3	11.7	27.2	18.8	9.4	13.9	11.8
7/29/2001	64.0	75.0	68.6	54.0	59.0	56.5	17.8	23.9	20.3	12.2	15.0	13.6
7/30/2001	63.0	75.0	68.0	57.0	64.0	60.5	17.2	23.9	20.0	13.9	17.8	15.8
7/31/2001	64.0	85.0	72.5	60.0	65.0	63.0	17.8	29.4	22.5	15.6	18.3	17.2
8/1/2001	60.0	87.0	73.0	59.0	65.0	61.4	15.6	30.6	22.8	15.0	18.3	16.3
8/2/2001	63.0	92.0	75.2	61.0	66.0	62.8	17.2	33.3	24.0	16.1	18.9	17.1
8/3/2001	68.0	86.0	76.8	58.0	71.0	65.6	20.0	30.0	24.9	14.4	21.7	18.7
8/4/2001	72.0	88.0	76.0	66.0	72.0	70.2	22.2	31.1	24.4	18.9	22.2	21.2
8/5/2001	66.0	90.0	72.1	59.0	71.0	66.8	18.9	32.2	22.3	15.0	21.7	19.3
8/6/2001	66.0	93.0	79.7	32.0	70.0	56.6	18.9	33.9	26.5	0.0	21.1	13.7
8/7/2001	69.0	96.0	81.8	63.0	73.0	67.3	20.6	35.6	27.7	17.2	22.8	19.6
8/8/2001	74.0	98.0	85.0	58.0	72.0	67.8	23.3	36.7	29.4	14.4	22.2	19.9
8/9/2001	67.0	99.0	81.1	63.0	72.0	66.1	19.4	37.2	27.3	17.2	22.2	18.9
8/10/2001	73.0	90.0	77.6	68.0	75.0	72.0	22.8	32.2	25.3	20.0	23.9	22.2
8/11/2001	66.0	79.0	73.3	59.0	73.0	65.7	18.9	26.1	22.9	15.0	22.8	18.7
8/12/2001	68.0	81.0	73.7	64.0	72.0	67.5	20.0	27.2	23.2	17.8	22.2	19.7
8/13/2001	68.0	88.0	74.3	56.0	71.0	67.4	20.0	31.1	23.5	13.3	21.7	19.7
8/14/2001	65.0	85.0	75.1	51.0	63.0	59.1	18.3	29.4	23.9	10.6	17.2	15.1
8/15/2001	57.0	85.0	71.0	53.0	61.0	56.6	13.9	29.4	21.7	11.7	16.1	13.7
8/16/2001	60.0	85.0	72.7	55.0	70.0	62.9	15.6	29.4	22.6	12.8	21.1	17.2
8/17/2001	69.0	82.0	73.3	55.0	70.0	66.8	20.6	27.8	22.9	12.8	21.1	19.3
8/18/2001	59.0	81.0	68.1	57.0	64.0	60.0	15.0	27.2	20.1	13.9	17.8	15.6
8/19/2001	62.0	84.0	72.2	60.0	66.0	63.3	16.7	28.9	22.3	15.6	18.9	17.4
8/20/2001	66.0	80.0	69.5	59.0	67.0	64.9	18.9	26.7	20.8	15.0	19.4	18.3
8/21/2001	63.0	79.0	70.4	57.0	63.0	60.6	17.2	26.1	21.3	13.9	17.2	15.9
8/22/2001	57.0	81.0	68.0	53.0	61.0	57.3	13.9	27.2	20.0	11.7	16.1	14.1
8/23/2001	61.0	70.0	64.2	57.0	65.0	60.8	16.1	21.1	17.9	13.9	18.3	16.0
8/24/2001	62.0	82.0	68.2	55.0	65.0	62.5	16.7	27.8	20.1	12.8	18.3	16.9
8/25/2001	52.0	81.0	65.8	51.0	61.0	56.3	11.1	27.2	18.8	10.6	16.1	13.5
8/26/2001	66.0	83.0	72.7	59.0	66.0	62.1	18.9	28.3	22.6	15.0	18.9	16.7
8/27/2001	69.0	82.0	74.2	60.0	72.0	67.8	20.6	27.8	23.4	15.6	22.2	19.9
8/28/2001	62.0	81.0	67.2	61.0	66.0	63.4	16.7	27.2	19.6	16.1	18.9	17.4
8/29/2001	62.0	79.0	67.4	52.0	66.0	61.9	16.7	26.1	19.7	11.1	18.9	16.6
8/30/2001	56.0	79.0	65.7	53.0	68.0	59.4	13.3	26.1	18.7	11.7	20.0	15.2
8/31/2001	68.0	79.0	71.9	66.0	73.0	68.4	20.0	26.1	22.2	18.9	22.8	20.2
9/1/2001	60.0	70.0	67.8	48.0	68.0	60.7	15.6	21.1	19.9	8.9	20.0	15.9
9/2/2001	48.0	70.0	55.2	42.0	53.0	48.3	8.9	21.1	12.9	5.6	11.7	9.1

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
9/3/2001	48.0	77.0	58.6	46.0	61.0	51.7	8.9	25.0	14.8	7.8	16.1	10.9
9/4/2001	61.0	79.0	69.5	55.0	70.0	63.2	16.1	26.1	20.8	12.8	21.1	17.3
9/5/2001	55.0	73.0	64.2	48.0	60.0	52.6	12.8	22.8	17.9	8.9	15.6	11.4
9/6/2001	49.0	76.0	58.1	48.0	57.0	50.3	9.4	24.4	14.5	8.9	13.9	10.2
9/7/2001	49.0	83.0	60.6	48.0	65.0	54.0	9.4	28.3	15.9	8.9	18.3	12.2
9/8/2001	61.0	83.0	71.7	59.0	67.0	62.4	16.1	28.3	22.1	15.0	19.4	16.9
9/9/2001	61.0	82.0	70.9	59.0	67.0	62.1	16.1	27.8	21.6	15.0	19.4	16.7
9/10/2001	66.0	78.0	71.4	60.0	69.0	64.6	18.9	25.6	21.9	15.6	20.6	18.1
9/11/2001	55.0	77.0	63.0	51.0	61.0	55.5	12.8	25.0	17.2	10.6	16.1	13.1
9/12/2001	52.0	75.0	60.1	50.0	59.0	53.2	11.1	23.9	15.6	10.0	15.0	11.8
9/13/2001	52.0	81.0	60.9	51.0	63.0	55.8	11.1	27.2	16.1	10.6	17.2	13.2
9/14/2001	53.0	65.0	58.3	39.0	63.0	49.5	11.7	18.3	14.6	3.9	17.2	9.7
9/15/2001	44.0	66.0	53.2	41.0	49.0	43.8	6.7	18.9	11.8	5.0	9.4	6.6
9/16/2001	45.0	71.0	52.3	44.0	55.0	47.0	7.2	21.7	11.3	6.7	12.8	8.3
9/17/2001	48.0	74.0	55.7	46.0	57.0	49.2	8.9	23.3	13.2	7.8	13.9	9.6
9/18/2001	51.0	75.0	59.4	50.0	61.0	53.1	10.6	23.9	15.2	10.0	16.1	11.7
9/19/2001	52.0	77.0	60.9	51.0	59.0	53.9	11.1	25.0	16.1	10.6	15.0	12.2
9/20/2001	64.0	72.0	66.8	54.0	64.0	61.0	17.8	22.2	19.3	12.2	17.8	16.1
9/21/2001	60.0	75.0	64.9	56.0	63.0	60.6	15.6	23.9	18.3	13.3	17.2	15.9
9/22/2001	55.0	74.0	63.6	55.0	59.0	56.8	12.8	23.3	17.6	12.8	15.0	13.8
9/23/2001	53.0	74.0	58.9	53.0	60.0	54.8	11.7	23.3	14.9	11.7	15.6	12.7
9/24/2001	55.0	71.0	64.5	53.0	66.0	61.7	12.8	21.7	18.1	11.7	18.9	16.5
9/25/2001	52.0	63.0	59.1	41.0	63.0	55.8	11.1	17.2	15.1	5.0	17.2	13.2
9/26/2001	41.0	58.0	49.6	37.0	42.0	40.1	5.0	14.4	9.8	2.8	5.6	4.5
9/27/2001	48.0	58.0	53.6	37.0	48.0	43.3	8.9	14.4	12.0	2.8	8.9	6.3
9/28/2001	46.0	58.0	50.1	43.0	50.0	45.7	7.8	14.4	10.1	6.1	10.0	7.6
9/29/2001	50.0	64.0	54.4	40.0	50.0	44.9	10.0	17.8	12.4	4.4	10.0	7.2
9/30/2001	41.0	65.0	49.5	35.0	48.0	41.8	5.0	18.3	9.7	1.7	8.9	5.4
10/1/2001	43.0	72.0	53.5	39.0	53.0	44.3	6.1	22.2	11.9	3.9	11.7	6.8
10/2/2001	46.0	75.0	57.5	44.0	58.0	50.4	7.8	23.9	14.2	6.7	14.4	10.2
10/3/2001	52.0	79.0	60.4	52.0	61.0	55.6	11.1	26.1	15.8	11.1	16.1	13.1
10/4/2001	48.0	80.0	58.9	46.0	60.0	51.9	8.9	26.7	14.9	7.8	15.6	11.1
10/5/2001	48.0	77.0	58.8	48.0	57.0	52.0	8.9	25.0	14.9	8.9	13.9	11.1
10/6/2001	50.0	70.0	59.5	32.0	55.0	45.6	10.0	21.1	15.3	0.0	12.8	7.6
10/7/2001	39.0	50.0	45.9	24.0	35.0	29.6	3.9	10.0	7.7	-4.4	1.7	-1.3
10/8/2001	33.0	53.0	41.7	22.0	32.0	27.9	0.6	11.7	5.4	-5.6	0.0	-2.3
10/9/2001	28.0	60.0	38.2	25.0	32.0	28.1	-2.2	15.6	3.4	-3.9	0.0	-2.2
10/10/2001	37.0	66.0	50.4	25.0	39.0	34.0	2.8	18.9	10.2	-3.9	3.9	1.1
10/11/2001	39.0	73.0	53.1	37.0	53.0	43.8	3.9	22.8	11.7	2.8	11.7	6.6
10/12/2001	48.0	70.0	57.6	47.0	58.0	51.8	8.9	21.1	14.2	8.3	14.4	11.0
10/13/2001	57.0	77.0	66.2	55.0	59.0	57.5	13.9	25.0	19.0	12.8	15.0	14.2
10/14/2001	62.0	71.0	65.5	51.0	61.0	55.5	16.7	21.7	18.6	10.6	16.1	13.1
10/15/2001	46.0	64.0	55.9	34.0	63.0	49.4	7.8	17.8	13.3	1.1	17.2	9.7
10/16/2001	37.0	64.0	47.5	36.0	46.0	40.4	2.8	17.8	8.6	2.2	7.8	4.7
10/17/2001	46.0	52.0	48.3	24.0	44.0	34.4	7.8	11.1	9.1	-4.4	6.7	1.3
10/18/2001	32.0	56.0	43.1	24.0	35.0	29.0	0.0	13.3	6.2	-4.4	1.7	-1.7
10/19/2001	33.0	60.0	45.2	31.0	37.0	34.3	0.6	15.6	7.3	-0.6	2.8	1.3

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
10/20/2001	43.0	67.0	52.7	37.0	43.0	40.3	6.1	19.4	11.5	2.8	6.1	4.6
10/21/2001	39.0	74.0	52.2	37.0	47.0	41.3	3.9	23.3	11.2	2.8	8.3	5.2
10/22/2001	52.0	68.0	55.8	44.0	53.0	49.6	11.1	20.0	13.2	6.7	11.7	9.8
10/23/2001	46.0	66.0	53.6	46.0	57.0	49.9	7.8	18.9	12.0	7.8	13.9	9.9
10/24/2001	57.0	73.0	61.5	55.0	60.0	58.1	13.9	22.8	16.4	12.8	15.6	14.5
10/25/2001	54.0	70.0	63.0	25.0	59.0	45.7	12.2	21.1	17.2	-3.9	15.0	7.6
10/26/2001	41.0	56.0	48.7	23.0	30.0	25.9	5.0	13.3	9.3	-5.0	-1.1	-3.4
10/27/2001	39.0	47.0	41.3	22.0	34.0	29.2	3.9	8.3	5.2	-5.6	1.1	-1.6
10/28/2001	32.0	48.0	39.9	23.0	27.0	25.1	0.0	8.9	4.4	-5.0	-2.8	-3.8
10/29/2001	27.0	56.0	38.0	24.0	32.0	27.4	-2.8	13.3	3.3	-4.4	0.0	-2.6
10/30/2001	42.0	56.0	48.2	17.0	39.0	30.6	5.6	13.3	9.0	-8.3	3.9	-0.8
10/31/2001	40.0	50.0	44.8	18.0	32.0	27.1	4.4	10.0	7.1	-7.8	0.0	-2.7
11/1/2001	35.0	63.0	46.6	30.0	45.0	37.0	1.7	17.2	8.1	-1.1	7.2	2.8
11/2/2001	46.0	73.0	57.7	42.0	51.0	45.7	7.8	22.8	14.3	5.6	10.6	7.6
11/3/2001	52.0	71.0	59.0	33.0	56.0	47.0	11.1	21.7	15.0	0.6	13.3	8.3
11/4/2001	39.0	57.0	46.1	35.0	41.0	37.3	3.9	13.9	7.8	1.7	5.0	2.9
11/5/2001	39.0	57.0	44.9	23.0	39.0	27.3	3.9	13.9	7.2	-5.0	3.9	-2.6
11/6/2001	39.0	55.0	44.4	20.0	27.0	24.7	3.9	12.8	6.9	-6.7	-2.8	-4.1
11/7/2001	39.0	65.0	51.2	24.0	42.0	32.8	3.9	18.3	10.7	-4.4	5.6	0.4
11/8/2001	38.0	66.0	49.8	32.0	43.0	38.6	3.3	18.9	9.9	0.0	6.1	3.7
11/9/2001	41.0	66.0	48.7	22.0	43.0	28.5	5.0	18.9	9.3	-5.6	6.1	-1.9
11/10/2001	29.0	61.0	40.2	24.0	32.0	27.4	-1.7	16.1	4.6	-4.4	0.0	-2.6
11/11/2001	36.0	50.0	43.4	17.0	36.0	25.7	2.2	10.0	6.3	-8.3	2.2	-3.5
11/12/2001	23.0	49.0	34.6	19.0	27.0	22.8	-5.0	9.4	1.4	-7.2	-2.8	-5.1
11/13/2001	24.0	52.0	35.4	21.0	30.0	26.1	-4.4	11.1	1.9	-6.1	-1.1	-3.3
11/14/2001	27.0	56.0	37.1	24.0	32.0	28.0	-2.8	13.3	2.8	-4.4	0.0	-2.2
11/15/2001	37.0	58.0	45.5	30.0	47.0	39.0	2.8	14.4	7.5	-1.1	8.3	3.9
11/16/2001	38.0	70.0	48.7	36.0	48.0	40.8	3.3	21.1	9.3	2.2	8.9	4.9
11/17/2001	34.0	58.0	45.7	28.0	42.0	34.4	1.1	14.4	7.6	-2.2	5.6	1.3
11/18/2001	28.0	52.0	37.7	25.0	41.0	31.0	-2.2	11.1	3.2	-3.9	5.0	-0.6
11/19/2001	34.0	55.0	40.9	33.0	43.0	38.0	1.1	12.8	4.9	0.6	6.1	3.3
11/20/2001	37.0	57.0	44.4	21.0	46.0	32.0	2.8	13.9	6.9	-6.1	7.8	0.0
11/21/2001	28.0	46.0	37.5	21.0	26.0	23.4	-2.2	7.8	3.1	-6.1	-3.3	-4.8
11/22/2001	26.0	50.0	36.3	22.0	30.0	25.6	-3.3	10.0	2.4	-5.6	-1.1	-3.6
11/23/2001	26.0	56.0	37.9	24.0	31.0	27.6	-3.3	13.3	3.3	-4.4	-0.6	-2.4
11/24/2001	33.0	59.0	47.0	28.0	55.0	42.6	0.6	15.0	8.3	-2.2	12.8	5.9
11/25/2001	53.0	62.0	58.3	48.0	57.0	54.5	11.7	16.7	14.6	8.9	13.9	12.5
11/26/2001	45.0	55.0	48.7	42.0	49.0	45.3	7.2	12.8	9.3	5.6	9.4	7.4
11/27/2001	37.0	52.0	41.9	37.0	45.0	39.3	2.8	11.1	5.5	2.8	7.2	4.1
11/28/2001	48.0	55.0	50.6	45.0	50.0	47.1	8.9	12.8	10.3	7.2	10.0	8.4
11/29/2001	49.0	54.0	51.5	46.0	52.0	49.1	9.4	12.2	10.8	7.8	11.1	9.5
11/30/2001	52.0	64.0	58.0	51.0	61.0	56.1	11.1	17.8	14.4	10.6	16.1	13.4
12/1/2001	46.0	57.0	51.7	36.0	57.0	46.0	7.8	13.9	10.9	2.2	13.9	7.8
12/2/2001	39.0	52.0	44.8	35.0	39.0	36.9	3.9	11.1	7.1	1.7	3.9	2.7
12/3/2001	30.0	51.0	36.5	29.0	36.0	31.1	-1.1	10.6	2.5	-1.7	2.2	-0.5
12/4/2001	30.0	58.0	39.5	28.0	32.0	30.9	-1.1	14.4	4.2	-2.2	0.0	-0.6
12/5/2001	46.0	65.0	53.0	30.0	48.0	41.1	7.8	18.3	11.7	-1.1	8.9	5.1

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
12/6/2001	39.0	60.0	49.5	39.0	46.0	42.5	3.9	15.6	9.7	3.9	7.8	5.8
12/7/2001	43.0	56.0	49.3	31.0	48.0	43.7	6.1	13.3	9.6	-0.6	8.9	6.5
12/8/2001	30.0	42.0	33.3	27.0	34.0	30.8	-1.1	5.6	0.7	-2.8	1.1	-0.7
12/9/2001	32.0	43.0	35.2	27.0	34.0	31.8	0.0	6.1	1.8	-2.8	1.1	-0.1
12/10/2001	25.0	39.0	29.0	24.0	29.0	26.5	-3.9	3.9	-1.7	-4.4	-1.7	-3.1
12/11/2001	36.0	50.0	45.1	32.0	36.0	34.0	2.2	10.0	7.3	0.0	2.2	1.1
12/12/2001	26.0	45.0	33.3	25.0	32.0	29.0	-3.3	7.2	0.7	-3.9	0.0	-1.7
12/13/2001	42.0	48.0	45.3	30.0	47.0	41.9	5.6	8.9	7.4	-1.1	8.3	5.5
12/14/2001	46.0	55.0	48.3	46.0	52.0	47.3	7.8	12.8	9.1	7.8	11.1	8.5
12/15/2001	36.0	56.0	43.7	22.0	52.0	31.0	2.2	13.3	6.5	-5.6	11.1	-0.6
12/16/2001	26.0	38.0	31.4	22.0	28.0	25.3	-3.3	3.3	-0.3	-5.6	-2.2	-3.7
12/17/2001	36.0	41.0	37.6	25.0	39.0	32.2	2.2	5.0	3.1	-3.9	3.9	0.1
12/18/2001	39.0	46.0	42.4	32.0	42.0	37.3	3.9	7.8	5.8	0.0	5.6	2.9
12/19/2001	37.0	47.0	41.8	30.0	33.0	30.9	2.8	8.3	5.4	-1.1	0.6	-0.6
12/20/2001	32.0	40.0	36.3	21.0	34.0	27.6	0.0	4.4	2.4	-6.1	1.1	-2.4
12/21/2001	33.0	40.0	36.2	15.0	27.0	20.9	0.6	4.4	2.3	-9.4	-2.8	-6.2
12/22/2001	25.0	38.0	31.0	16.0	22.0	19.2	-3.9	3.3	-0.6	-8.9	-5.6	-7.1
12/23/2001	26.0	41.0	33.0	21.0	27.0	22.8	-3.3	5.0	0.6	-6.1	-2.8	-5.1
12/24/2001	28.0	40.0	35.1	19.0	32.0	25.9	-2.2	4.4	1.7	-7.2	0.0	-3.4
12/25/2001	23.0	32.0	27.9	10.0	19.0	14.1	-5.0	0.0	-2.3	-12.2	-7.2	-9.9
12/26/2001	20.0	30.0	24.2	9.0	17.0	13.2	-6.7	-1.1	-4.3	-12.8	-8.3	-10.4
12/27/2001	14.0	27.0	21.7	10.0	15.0	12.7	-10.0	-2.8	-5.7	-12.2	-9.4	-10.7
12/28/2001	25.0	35.0	28.8	12.0	27.0	18.8	-3.9	1.7	-1.8	-11.1	-2.8	-7.3
12/29/2001	17.0	31.0	24.0	12.0	22.0	16.2	-8.3	-0.6	-4.4	-11.1	-5.6	-8.8
12/30/2001	19.0	27.0	22.6	6.0	13.0	9.1	-7.2	-2.8	-5.2	-14.4	-10.6	-12.7
12/31/2001	16.0	26.0	22.6	5.0	8.0	9.1	-8.9	-3.3	-5.2	-15.0	-13.3	-12.7
1/1/2002	12.0	32.0	21.9	6.0	14.0	9.2	-11.1	0.0	-5.6	-14.4	-10.0	-12.7
1/2/2002	12.0	33.0	22.5	9.0	16.0	13.5	-11.1	0.6	-5.3	-12.8	-8.9	-10.3
1/3/2002	11.0	31.0	20.4	9.0	16.0	13.5	-11.7	-0.6	-6.4	-12.8	-8.9	-10.3
1/4/2002	32.0	35.0	33.0	11.0	12.0	11.8	0.0	1.7	0.6	-11.7	-11.1	-11.2
1/5/2002	27.0	41.0	32.8	12.0	21.0	15.5	-2.8	5.0	0.4	-11.1	-6.1	-9.2
1/6/2002	28.0	39.0	32.3	13.0	31.0	22.2	-2.2	3.9	0.2	-10.6	-0.6	-5.4
1/7/2002	28.0	34.0	31.9	19.0	31.0	27.7	-2.2	1.1	-0.1	-7.2	-0.6	-2.4
1/8/2002	20.0	30.0	25.1	14.0	19.0	16.2	-6.7	-1.1	-3.8	-10.0	-7.2	-8.8
1/9/2002	21.0	41.0	29.3	16.0	28.0	21.0	-6.1	5.0	-1.5	-8.9	-2.2	-6.1
1/10/2002	36.0	49.0	43.1	29.0	34.0	31.4	2.2	9.4	6.2	-1.7	1.1	-0.3
1/11/2002	32.0	41.0	35.8	24.0	35.0	29.7	0.0	5.0	2.1	-4.4	1.7	-1.3
1/12/2002	31.0	42.0	37.6	24.0	26.0	24.8	-0.6	5.6	3.1	-4.4	-3.3	-4.0
1/13/2002	32.0	40.0	36.2	18.0	30.0	24.1	0.0	4.4	2.3	-7.8	-1.1	-4.4
1/14/2002	28.0	43.0	35.0	19.0	23.0	21.1	-2.2	6.1	1.7	-7.2	-5.0	-6.1
1/15/2002	35.0	42.0	38.8	22.0	30.0	27.0	1.7	5.6	3.8	-5.6	-1.1	-2.8
1/16/2002	33.0	37.0	35.6	17.0	29.0	21.3	0.6	2.8	2.0	-8.3	-1.7	-5.9
1/17/2002	32.0	42.0	35.9	16.0	27.0	21.1	0.0	5.6	2.2	-8.9	-2.8	-6.1
1/18/2002	29.0	35.0	31.6	8.0	18.0	13.5	-1.7	1.7	-0.2	-13.3	-7.8	-10.3
1/19/2002	21.0	30.0	25.0	10.0	25.0	19.1	-6.1	-1.1	-3.9	-12.2	-3.9	-7.2
1/20/2002	12.0	32.0	23.4	9.0	25.0	20.4	-11.1	0.0	-4.8	-12.8	-3.9	-6.4
1/21/2002	24.0	36.0	30.4	20.0	31.0	25.6	-4.4	2.2	-0.9	-6.7	-0.6	-3.6

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

(Page 17 of 47)

Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
1/22/2002	31.0	44.0	37.4	19.0	30.0	23.7	-0.6	6.7	3.0	-7.2	-1.1	-4.6
1/23/2002	29.0	45.0	38.6	23.0	31.0	27.0	-1.7	7.2	3.7	-5.0	-0.6	-2.8
1/24/2002	36.0	43.0	39.1	28.0	36.0	30.4	2.2	6.1	3.9	-2.2	2.2	-0.9
1/25/2002	30.0	45.0	38.4	16.0	30.0	24.3	-1.1	7.2	3.6	-8.9	-1.1	-4.3
1/26/2002	22.0	54.0	34.7	17.0	26.0	20.7	-5.6	12.2	1.5	-8.3	-3.3	-6.3
1/27/2002	24.0	57.0	35.9	21.0	29.0	24.4	-4.4	13.9	2.2	-6.1	-1.7	-4.2
1/28/2002	25.0	55.0	36.2	24.0	31.0	28.1	-3.9	12.8	2.3	-4.4	-0.6	-2.2
1/29/2002	32.0	58.0	40.8	30.0	32.0	30.8	0.0	14.4	4.9	-1.1	0.0	-0.7
1/30/2002	45.0	54.0	49.0	27.0	52.0	43.2	7.2	12.2	9.4	-2.8	11.1	6.2
1/31/2002	33.0	45.0	36.5	28.0	39.0	33.5	0.6	7.2	2.5	-2.2	3.9	0.8
2/1/2002	39.0	57.0	42.4	23.0	47.0	38.4	3.9	13.9	5.8	-5.0	8.3	3.6
2/2/2002	27.0	42.0	32.6	12.0	23.0	14.5	-2.8	5.6	0.3	-11.1	-5.0	-9.7
2/3/2002	19.0	43.0	29.1	17.0	21.0	18.2	-7.2	6.1	-1.6	-8.3	-6.1	-7.7
2/4/2002	21.0	36.0	30.0	7.0	29.0	21.9	-6.1	2.2	-1.1	-13.9	-1.7	-5.6
2/5/2002	15.0	34.0	22.4	2.0	10.0	5.6	-9.4	1.1	-5.3	-16.7	-12.2	-14.7
2/6/2002	29.0	39.0	32.9	8.0	23.0	16.6	-1.7	3.9	0.5	-13.3	-5.0	-8.6
2/7/2002	29.0	45.0	33.3	22.0	32.0	26.8	-1.7	7.2	0.7	-5.6	0.0	-2.9
2/8/2002	26.0	51.0	37.3	19.0	31.0	25.2	-3.3	10.6	2.9	-7.2	-0.6	-3.8
2/9/2002	28.0	48.0	37.7	20.0	27.0	25.4	-2.2	8.9	3.2	-6.7	-2.8	-3.7
2/10/2002	39.0	45.0	40.9	24.0	40.0	34.8	3.9	7.2	4.9	-4.4	4.4	1.6
2/11/2002	26.0	43.0	36.0	2.0	41.0	28.1	-3.3	6.1	2.2	-16.7	5.0	-2.2
2/12/2002	20.0	48.0	32.0	2.0	25.0	15.4	-6.7	8.9	0.0	-16.7	-3.9	-9.2
2/13/2002	27.0	42.0	32.8	0.0	28.0	13.3	-2.8	5.6	0.4	-17.8	-2.2	-10.4
2/14/2002	12.0	42.0	24.6	0.0	14.0	8.4	-11.1	5.6	-4.1	-17.8	-10.0	-13.1
2/15/2002	26.0	43.0	32.9	8.0	21.0	15.2	-3.3	6.1	0.5	-13.3	-6.1	-9.3
2/16/2002	35.0	48.0	42.5	21.0	30.0	24.6	1.7	8.9	5.8	-6.1	-1.1	-4.1
2/17/2002	30.0	47.0	37.2	12.0	31.0	22.4	-1.1	8.3	2.9	-11.1	-0.6	-5.3
2/18/2002	21.0	42.0	29.9	12.0	19.0	14.2	-6.1	5.6	-1.2	-11.1	-7.2	-9.9
2/19/2002	19.0	48.0	31.6	15.0	20.0	16.9	-7.2	8.9	-0.2	-9.4	-6.7	-8.4
2/20/2002	41.0	55.0	47.2	17.0	31.0	22.7	5.0	12.8	8.4	-8.3	-0.6	-5.2
2/21/2002	39.0	55.0	47.1	28.0	31.0	30.0	3.9	12.8	8.4	-2.2	-0.6	-1.1
2/22/2002	37.0	45.0	39.8	25.0	31.0	28.1	2.8	7.2	4.3	-3.9	-0.6	-2.2
2/23/2002	30.0	44.0	35.6	12.0	26.0	17.4	-1.1	6.7	2.0	-11.1	-3.3	-8.1
2/24/2002	19.0	50.0	32.6	17.0	22.0	18.5	-7.2	10.0	0.3	-8.3	-5.6	-7.5
2/25/2002	28.0	57.0	40.3	17.0	25.0	20.5	-2.2	13.9	4.6	-8.3	-3.9	-6.4
2/26/2002	30.0	55.0	44.2	24.0	31.0	28.6	-1.1	12.8	6.8	-4.4	-0.6	-1.9
2/27/2002	27.0	41.0	32.9	10.0	31.0	18.1	-2.8	5.0	0.5	-12.2	-0.6	-7.7
2/28/2002	24.0	37.0	28.6	8.0	20.0	12.5	-4.4	2.8	-1.9	-13.3	-6.7	-10.8
3/1/2002	18.0	44.0	29.0	11.0	16.0	13.3	-7.8	6.7	-1.7	-11.7	-8.9	-10.4
3/2/2002	23.0	45.0	33.2	14.0	30.0	20.0	-5.0	7.2	0.7	-10.0	-1.1	-6.7
3/3/2002	37.0	54.0	47.5	18.0	31.0	29.3	2.8	12.2	8.6	-7.8	-0.6	-1.5
3/4/2002	21.0	38.0	26.7	3.0	18.0	10.6	-6.1	3.3	-2.9	-16.1	-7.8	-11.9
3/5/2002	14.0	32.0	20.9	-2.0	19.0	5.9	-10.0	0.0	-6.2	-18.9	-7.2	-14.5
3/6/2002	21.0	62.0	36.3	17.0	25.0	20.4	-6.1	16.7	2.4	-8.3	-3.9	-6.4
3/7/2002	27.0	56.0	40.7	18.0	30.0	23.8	-2.8	13.3	4.8	-7.8	-1.1	-4.6
3/8/2002	31.0	66.0	46.4	28.0	34.0	30.7	-0.6	18.9	8.0	-2.2	1.1	-0.7
3/9/2002	50.0	63.0	58.3	27.0	56.0	46.3	10.0	17.2	14.6	-2.8	13.3	7.9

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
3/10/2002	28.0	64.0	39.5	5.0	56.0	21.8	-2.2	17.8	4.2	-15.0	13.3	-5.7
3/11/2002	24.0	40.0	29.6	5.0	14.0	9.4	-4.4	4.4	-1.3	-15.0	-10.0	-12.6
3/12/2002	33.0	46.0	38.0	10.0	30.0	18.5	0.6	7.8	3.3	-12.2	-1.1	-7.5
3/13/2002	33.0	45.0	41.2	26.0	43.0	36.0	0.6	7.2	5.1	-3.3	6.1	2.2
3/14/2002	43.0	62.0	47.8	36.0	43.0	41.1	6.1	16.7	8.8	2.2	6.1	5.1
3/15/2002	52.0	68.0	57.9	40.0	54.0	45.4	11.1	20.0	14.4	4.4	12.2	7.4
3/16/2002	36.0	64.0	50.2	25.0	56.0	44.2	2.2	17.8	10.1	-3.9	13.3	6.8
3/17/2002	27.0	36.0	32.4	17.0	31.0	24.2	-2.8	2.2	0.2	-8.3	-0.6	-4.3
3/18/2002	33.0	39.0	35.5	30.0	36.0	32.6	0.6	3.9	1.9	-1.1	2.2	0.3
3/19/2002	37.0	44.0	39.4	26.0	37.0	31.3	2.8	6.7	4.1	-3.3	2.8	-0.4
3/20/2002	35.0	41.0	37.7	28.0	38.0	34.1	1.7	5.0	3.2	-2.2	3.3	1.2
3/21/2002	32.0	54.0	39.8	25.0	39.0	30.8	0.0	12.2	4.3	-3.9	3.9	-0.7
3/22/2002	18.0	34.0	23.7	0.0	25.0	8.2	-7.8	1.1	-4.6	-17.8	-3.9	-13.2
3/23/2002	19.0	47.0	30.9	8.0	17.0	13.0	-7.2	8.3	-0.6	-13.3	-8.3	-10.6
3/24/2002	25.0	51.0	38.3	13.0	31.0	20.9	-3.9	10.6	3.5	-10.6	-0.6	-6.2
3/25/2002	32.0	40.0	34.6	20.0	31.0	28.0	0.0	4.4	1.4	-6.7	-0.6	-2.2
3/26/2002	32.0	37.0	35.4	28.0	36.0	32.9	0.0	2.8	1.9	-2.2	2.2	0.5
3/27/2002	36.0	42.0	38.6	24.0	36.0	31.6	2.2	5.6	3.7	-4.4	2.2	-0.2
3/28/2002	27.0	52.0	37.6	18.0	27.0	22.3	-2.8	11.1	3.1	-7.8	-2.8	-5.4
3/29/2002	34.0	63.0	45.5	24.0	41.0	30.1	1.1	17.2	7.5	-4.4	5.0	-1.1
3/30/2002	53.0	64.0	57.3	24.0	46.0	35.8	11.7	17.8	14.1	-4.4	7.8	2.1
3/31/2002	38.0	59.0	50.0	26.0	43.0	32.7	3.3	15.0	10.0	-3.3	6.1	0.4
4/1/2002	44.0	52.0	46.9	18.0	45.0	36.4	6.7	11.1	8.3	-7.8	7.2	2.4
4/2/2002	34.0	63.0	44.5	18.0	36.0	26.5	1.1	17.2	6.9	-7.8	2.2	-3.1
4/3/2002	39.0	61.0	52.6	24.0	47.0	38.4	3.9	16.1	11.4	-4.4	8.3	3.6
4/4/2002	29.0	47.0	38.4	16.0	24.0	20.4	-1.7	8.3	3.6	-8.9	-4.4	-6.4
4/5/2002	24.0	41.0	33.3	14.0	20.0	17.6	-4.4	5.0	0.7	-10.0	-6.7	-8.0
4/6/2002	28.0	41.0	33.2	17.0	29.0	24.3	-2.2	5.0	0.7	-8.3	-1.7	-4.3
4/7/2002	22.0	49.0	34.5	17.0	22.0	19.0	-5.6	9.4	1.4	-8.3	-5.6	-7.2
4/8/2002	43.0	59.0	48.0	20.0	37.0	29.9	6.1	15.0	8.9	-6.7	2.8	-1.2
4/9/2002	57.0	66.0	61.2	37.0	58.0	49.3	13.9	18.9	16.2	2.8	14.4	9.6
4/10/2002	45.0	64.0	53.7	27.0	57.0	37.7	7.2	17.8	12.1	-2.8	13.9	3.2
4/11/2002	33.0	67.0	51.4	29.0	36.0	32.6	0.6	19.4	10.8	-1.7	2.2	0.3
4/12/2002	41.0	62.0	50.8	28.0	48.0	37.6	5.0	16.7	10.4	-2.2	8.9	3.1
4/13/2002	55.0	64.0	60.1	49.0	59.0	55.5	12.8	17.8	15.6	9.4	15.0	13.1
4/14/2002	48.0	71.0	55.8	48.0	63.0	53.8	8.9	21.7	13.2	8.9	17.2	12.1
4/15/2002	57.0	78.0	64.1	57.0	61.0	58.5	13.9	25.6	17.8	13.9	16.1	14.7
4/16/2002	56.0	89.0	70.9	55.0	62.0	58.3	13.3	31.7	21.6	12.8	16.7	14.6
4/17/2002	55.0	91.0	72.5	54.0	60.0	56.2	12.8	32.8	22.5	12.2	15.6	13.4
4/18/2002	61.0	89.0	75.4	56.0	61.0	58.0	16.1	31.7	24.1	13.3	16.1	14.4
4/19/2002	58.0	88.0	73.4	56.0	61.0	58.7	14.4	31.1	23.0	13.3	16.1	14.8
4/20/2002	55.0	77.0	61.0	45.0	60.0	51.7	12.8	25.0	16.1	7.2	15.6	10.9
4/21/2002	43.0	57.0	45.9	22.0	45.0	30.8	6.1	13.9	7.7	-5.6	7.2	-0.7
4/22/2002	39.0	52.0	44.2	27.0	46.0	38.0	3.9	11.1	6.8	-2.8	7.8	3.3
4/23/2002	34.0	55.0	44.0	19.0	30.0	23.7	1.1	12.8	6.7	-7.2	-1.1	-4.6
4/24/2002	29.0	61.0	45.3	18.0	29.0	25.2	-1.7	16.1	7.4	-7.8	-1.7	-3.8
4/25/2002	44.0	57.0	48.6	19.0	46.0	35.9	6.7	13.9	9.2	-7.2	7.8	2.2

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
4/26/2002	33.0	61.0	47.1	19.0	32.0	26.8	0.6	16.1	8.4	-7.2	0.0	-2.9
4/27/2002	30.0	59.0	46.1	20.0	30.0	25.8	-1.1	15.0	7.8	-6.7	-1.1	-3.4
4/28/2002	46.0	64.0	53.1	28.0	61.0	48.5	7.8	17.8	11.7	-2.2	16.1	9.2
4/29/2002	43.0	61.0	48.4	30.0	58.0	39.5	6.1	16.1	9.1	-1.1	14.4	4.2
4/30/2002	39.0	59.0	46.5	28.0	48.0	37.0	3.9	15.0	8.1	-2.2	8.9	2.8
5/1/2002	33.0	64.0	48.6	26.0	37.0	31.4	0.6	17.8	9.2	-3.3	2.8	-0.3
5/2/2002	48.0	73.0	56.5	27.0	62.0	48.3	8.9	22.8	13.6	-2.8	16.7	9.1
5/3/2002	43.0	68.0	52.8	23.0	51.0	30.6	6.1	20.0	11.6	-5.0	10.6	-0.8
5/4/2002	32.0	63.0	47.6	24.0	35.0	29.4	0.0	17.2	8.7	-4.4	1.7	-1.4
5/5/2002	38.0	72.0	55.8	27.0	44.0	36.9	3.3	22.2	13.2	-2.8	6.7	2.7
5/6/2002	42.0	72.0	58.8	39.0	52.0	45.5	5.6	22.2	14.9	3.9	11.1	7.5
5/7/2002	59.0	76.0	64.8	52.0	62.0	55.6	15.0	24.4	18.2	11.1	16.7	13.1
5/8/2002	50.0	72.0	60.8	44.0	60.0	48.3	10.0	22.2	16.0	6.7	15.6	9.1
5/9/2002	48.0	64.0	54.5	46.0	57.0	51.3	8.9	17.8	12.5	7.8	13.9	10.7
5/10/2002	52.0	69.0	57.7	25.0	55.0	47.6	11.1	20.6	14.3	-3.9	12.8	8.7
5/11/2002	39.0	68.0	55.0	24.0	38.0	31.8	3.9	20.0	12.8	-4.4	3.3	-0.1
5/12/2002	51.0	63.0	55.6	36.0	57.0	50.1	10.6	17.2	13.1	2.2	13.9	10.1
5/13/2002	57.0	67.0	60.5	54.0	64.0	59.6	13.9	19.4	15.8	12.2	17.8	15.3
5/14/2002	43.0	57.0	49.4	35.0	53.0	41.1	6.1	13.9	9.7	1.7	11.7	5.1
5/15/2002	43.0	69.0	52.9	32.0	41.0	36.4	6.1	20.6	11.6	0.0	5.0	2.4
5/16/2002	39.0	77.0	57.0	36.0	52.0	43.0	3.9	25.0	13.9	2.2	11.1	6.1
5/17/2002	58.0	73.0	64.7	40.0	59.0	51.8	14.4	22.8	18.2	4.4	15.0	11.0
5/18/2002	39.0	60.0	46.5	32.0	46.0	39.7	3.9	15.6	8.1	0.0	7.8	4.3
5/19/2002	38.0	54.0	45.2	24.0	37.0	31.0	3.3	12.2	7.3	-4.4	2.8	-0.6
5/20/2002	37.0	52.0	44.4	27.0	38.0	33.1	2.8	11.1	6.9	-2.8	3.3	0.6
5/21/2002	33.0	54.0	43.9	28.0	37.0	32.5	0.6	12.2	6.6	-2.2	2.8	0.3
5/22/2002	33.0	66.0	48.5	31.0	39.0	34.0	0.6	18.9	9.2	-0.6	3.9	1.1
5/23/2002	38.0	76.0	56.2	34.0	45.0	39.1	3.3	24.4	13.4	1.1	7.2	3.9
5/24/2002	47.0	80.0	63.8	38.0	59.0	48.9	8.3	26.7	17.7	3.3	15.0	9.4
5/25/2002	46.0	68.0	58.0	36.0	59.0	43.6	7.8	20.0	14.4	2.2	15.0	6.4
5/26/2002	59.0	64.0	61.7	48.0	54.0	51.5	15.0	17.8	16.5	8.9	12.2	10.8
5/27/2002	Bad or missing data											
5/28/2002	Bad or missing data											
5/29/2002	72.0	76.0	74.2	64.0	66.0	64.8	22.2	24.4	23.4	17.8	18.9	18.2
5/30/2002	63.0	81.0	69.6	60.0	67.0	63.6	17.2	27.2	20.9	15.6	19.4	17.6
5/31/2002	61.0	86.0	66.7	41.0	67.0	61.4	16.1	30.0	19.3	5.0	19.4	16.3
6/1/2002	59.0	85.0	67.3	32.0	61.0	53.4	15.0	29.4	19.6	0.0	16.1	11.9
6/2/2002	55.0	77.0	66.6	37.0	57.0	48.1	12.8	25.0	19.2	2.8	13.9	8.9
6/3/2002	47.0	69.0	59.6	39.0	45.0	41.2	8.3	20.6	15.3	3.9	7.2	5.1
6/4/2002	50.0	73.0	62.9	42.0	63.0	50.8	10.0	22.8	17.2	5.6	17.2	10.4
6/5/2002	66.0	87.0	72.7	60.0	72.0	65.2	18.9	30.6	22.6	15.6	22.2	18.4
6/6/2002	57.0	72.0	64.2	55.0	68.0	61.9	13.9	22.2	17.9	12.8	20.0	16.6
6/7/2002	52.0	74.0	60.4	50.0	56.0	52.9	11.1	23.3	15.8	10.0	13.3	11.6
6/8/2002	51.0	75.0	60.4	46.0	56.0	49.3	10.6	23.9	15.8	7.8	13.3	9.6
6/9/2002	55.0	86.0	69.0	48.0	66.0	56.0	12.8	30.0	20.6	8.9	18.9	13.3
6/10/2002	60.0	84.0	70.7	58.0	66.0	60.9	15.6	28.9	21.5	14.4	18.9	16.1
6/11/2002	61.0	88.0	71.1	60.0	69.0	63.4	16.1	31.1	21.7	15.6	20.6	17.4

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
6/12/2002	67.0	83.0	74.6	62.0	72.0	67.0	19.4	28.3	23.7	16.7	22.2	19.4
6/13/2002	63.0	77.0	69.2	61.0	67.0	63.8	17.2	25.0	20.7	16.1	19.4	17.7
6/14/2002	59.0	70.0	61.9	57.0	64.0	58.6	15.0	21.1	16.6	13.9	17.8	14.8
6/15/2002	57.0	69.0	60.5	41.0	59.0	55.8	13.9	20.6	15.8	5.0	15.0	13.2
6/16/2002	56.0	72.0	63.2	48.0	57.0	52.3	13.3	22.2	17.3	8.9	13.9	11.3
6/17/2002	50.0	76.0	58.4	39.0	55.0	49.4	10.0	24.4	14.7	3.9	12.8	9.7
6/18/2002	46.0	76.0	58.3	46.0	58.0	50.6	7.8	24.4	14.6	7.8	14.4	10.3
6/19/2002	54.0	81.0	66.4	51.0	60.0	54.3	12.2	27.2	19.1	10.6	15.6	12.4
6/20/2002	57.0	83.0	70.7	55.0	63.0	58.8	13.9	28.3	21.5	12.8	17.2	14.9
6/21/2002	61.0	84.0	73.0	59.0	65.0	61.7	16.1	28.9	22.8	15.0	18.3	16.5
6/22/2002	62.0	86.0	72.4	60.0	67.0	63.0	16.7	30.0	22.4	15.6	19.4	17.2
6/23/2002	66.0	89.0	77.6	61.0	67.0	64.5	18.9	31.7	25.3	16.1	19.4	18.1
6/24/2002	72.0	86.0	76.5	64.0	72.0	67.3	22.2	30.0	24.7	17.8	22.2	19.6
6/25/2002	70.0	88.0	76.3	68.0	72.0	70.0	21.1	31.1	24.6	20.0	22.2	21.1
6/26/2002	69.0	89.0	77.5	68.0	73.0	70.5	20.6	31.7	25.3	20.0	22.8	21.4
6/27/2002	72.0	85.0	77.8	66.0	72.0	69.4	22.2	29.4	25.4	18.9	22.2	20.8
6/28/2002	68.0	82.0	73.6	62.0	70.0	65.7	20.0	27.8	23.1	16.7	21.1	18.7
6/29/2002	58.0	84.0	69.8	56.0	70.0	61.1	14.4	28.9	21.0	13.3	21.1	16.2
6/30/2002	63.0	86.0	71.8	60.0	67.0	63.4	17.2	30.0	22.1	15.6	19.4	17.4
7/1/2002	62.0	88.0	74.6	61.0	72.0	65.3	16.7	31.1	23.7	16.1	22.2	18.5
7/2/2002	68.0	93.0	79.8	66.0	75.0	70.6	20.0	33.9	26.6	18.9	23.9	21.4
7/3/2002	71.0	95.0	82.5	66.0	76.0	71.4	21.7	35.0	28.1	18.9	24.4	21.9
7/4/2002	71.0	95.0	84.1	67.0	74.0	70.2	21.7	35.0	28.9	19.4	23.3	21.2
7/5/2002	67.0	89.0	76.3	46.0	71.0	56.9	19.4	31.7	24.6	7.8	21.7	13.8
7/6/2002	59.0	81.0	69.8	48.0	57.0	53.0	15.0	27.2	21.0	8.9	13.9	11.7
7/7/2002	54.0	82.0	66.6	52.0	63.0	55.9	12.2	27.8	19.2	11.1	17.2	13.3
7/8/2002	57.0	91.0	71.8	46.0	65.0	58.5	13.9	32.8	22.1	7.8	18.3	14.7
7/9/2002	65.0	84.0	72.9	57.0	72.0	65.1	18.3	28.9	22.7	13.9	22.2	18.4
7/10/2002	66.0	79.0	71.5	33.0	70.0	54.5	18.9	26.1	21.9	0.6	21.1	12.5
7/11/2002	48.0	78.0	62.4	32.0	49.0	43.6	8.9	25.6	16.9	0.0	9.4	6.4
7/12/2002	47.0	80.0	64.1	42.0	49.0	46.2	8.3	26.7	17.8	5.6	9.4	7.9
7/13/2002	50.0	81.0	66.6	46.0	59.0	51.1	10.0	27.2	19.2	7.8	15.0	10.6
7/14/2002	62.0	80.0	70.6	57.0	65.0	60.5	16.7	26.7	21.4	13.9	18.3	15.8
7/15/2002	62.0	91.0	75.2	56.0	65.0	61.3	16.7	32.8	24.0	13.3	18.3	16.3
7/16/2002	66.0	89.0	77.5	44.0	61.0	54.6	18.9	31.7	25.3	6.7	16.1	12.6
7/17/2002	60.0	96.0	77.1	50.0	65.0	58.2	15.6	35.6	25.1	10.0	18.3	14.6
7/18/2002	70.0	91.0	80.3	64.0	73.0	66.7	21.1	32.8	26.8	17.8	22.8	19.3
7/19/2002	69.0	91.0	76.6	66.0	71.0	68.0	20.6	32.8	24.8	18.9	21.7	20.0
7/20/2002	67.0	85.0	74.1	42.0	70.0	57.3	19.4	29.4	23.4	5.6	21.1	14.1
7/21/2002	63.0	86.0	74.0	27.0	70.0	52.4	17.2	30.0	23.3	-2.8	21.1	11.3
7/22/2002	72.0	93.0	82.1	66.0	72.0	69.1	22.2	33.9	27.8	18.9	22.2	20.6
7/23/2002	71.0	91.0	78.1	65.0	72.0	69.0	21.7	32.8	25.6	18.3	22.2	20.6
7/24/2002	62.0	81.0	70.7	51.0	67.0	59.3	16.7	27.2	21.5	10.6	19.4	15.2
7/25/2002	64.0	78.0	69.7	55.0	62.0	58.6	17.8	25.6	20.9	12.8	16.7	14.8
7/26/2002	61.0	75.0	67.6	50.0	63.0	56.6	16.1	23.9	19.8	10.0	17.2	13.7
7/27/2002	65.0	78.0	69.5	62.0	71.0	66.3	18.3	25.6	20.8	16.7	21.7	19.1
7/28/2002	70.0	81.0	74.0	69.0	75.0	71.9	21.1	27.2	23.3	20.6	23.9	22.2

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
7/29/2002	72.0	92.0	79.5	72.0	76.0	73.1	22.2	33.3	26.4	22.2	24.4	22.8
7/30/2002	73.0	90.0	80.2	64.0	74.0	69.8	22.8	32.2	26.8	17.8	23.3	21.0
7/31/2002	65.0	90.0	76.6	64.0	68.0	66.1	18.3	32.2	24.8	17.8	20.0	18.9
8/1/2002	68.0	91.0	79.5	32.0	76.0	66.6	20.0	32.8	26.4	0.0	24.4	19.2
8/2/2002	68.0	95.0	75.8	32.0	74.0	63.5	20.0	35.0	24.3	0.0	23.3	17.5
8/3/2002	70.0	92.0	79.3	63.0	71.0	67.6	21.1	33.3	26.3	17.2	21.7	19.8
8/4/2002	64.0	93.0	77.8	60.0	70.0	64.4	17.8	33.9	25.4	15.6	21.1	18.0
8/5/2002	69.0	88.0	76.3	64.0	74.0	69.1	20.6	31.1	24.6	17.8	23.3	20.6
8/6/2002	64.0	77.0	71.0	46.0	72.0	54.3	17.8	25.0	21.7	7.8	22.2	12.4
8/7/2002	54.0	78.0	65.4	46.0	54.0	49.9	12.2	25.6	18.6	7.8	12.2	9.9
8/8/2002	53.0	80.0	65.5	47.0	54.0	50.7	11.7	26.7	18.6	8.3	12.2	10.4
8/9/2002	52.0	83.0	66.9	47.0	54.0	50.7	11.1	28.3	19.4	8.3	12.2	10.4
8/10/2002	52.0	89.0	70.1	51.0	61.0	54.5	11.1	31.7	21.2	10.6	16.1	12.5
8/11/2002	58.0	92.0	73.8	55.0	66.0	58.5	14.4	33.3	23.2	12.8	18.9	14.7
8/12/2002	62.0	96.0	76.6	57.0	67.0	61.5	16.7	35.6	24.8	13.9	19.4	16.4
8/13/2002	66.0	95.0	76.8	61.0	71.0	66.9	18.9	35.0	24.9	16.1	21.7	19.4
8/14/2002	67.0	94.0	79.5	62.0	72.0	67.4	19.4	34.4	26.4	16.7	22.2	19.7
8/15/2002	72.0	90.0	81.5	60.0	71.0	66.0	22.2	32.2	27.5	15.6	21.7	18.9
8/16/2002	69.0	90.0	77.4	68.0	73.0	69.9	20.6	32.2	25.2	20.0	22.8	21.1
8/17/2002	68.0	89.0	77.9	67.0	71.0	68.7	20.0	31.7	25.5	19.4	21.7	20.4
8/18/2002	66.0	93.0	76.6	66.0	72.0	68.3	18.9	33.9	24.8	18.9	22.2	20.2
8/19/2002	64.0	87.0	76.3	59.0	70.0	63.5	17.8	30.6	24.6	15.0	21.1	17.5
8/20/2002	69.0	81.0	74.8	52.0	70.0	63.6	20.6	27.2	23.8	11.1	21.1	17.6
8/21/2002	56.0	85.0	70.6	52.0	57.0	54.6	13.3	29.4	21.4	11.1	13.9	12.6
8/22/2002	69.0	91.0	78.2	53.0	73.0	63.5	20.6	32.8	25.7	11.7	22.8	17.5
8/23/2002	68.0	77.0	72.6	62.0	73.0	65.9	20.0	25.0	22.6	16.7	22.8	18.8
8/24/2002	68.0	83.0	72.8	66.0	72.0	68.9	20.0	28.3	22.7	18.9	22.2	20.5
8/25/2002	65.0	83.0	72.9	52.0	69.0	60.9	18.3	28.3	22.7	11.1	20.6	16.1
8/26/2002	57.0	82.0	68.9	55.0	60.0	57.4	13.9	27.8	20.5	12.8	15.6	14.1
8/27/2002	59.0	84.0	70.9	57.0	63.0	59.9	15.0	28.9	21.6	13.9	17.2	15.5
8/28/2002	63.0	76.0	68.6	54.0	63.0	58.0	17.2	24.4	20.3	12.2	17.2	14.4
8/29/2002	57.0	65.0	61.1	53.0	63.0	56.2	13.9	18.3	16.2	11.7	17.2	13.4
8/30/2002	61.0	79.0	66.1	55.0	61.0	56.8	16.1	26.1	18.9	12.8	16.1	13.8
8/31/2002	55.0	84.0	67.4	54.0	61.0	57.4	12.8	28.9	19.7	12.2	16.1	14.1
9/1/2002	59.0	73.0	62.3	52.0	61.0	58.0	15.0	22.8	16.8	11.1	16.1	14.4
9/2/2002	60.0	77.0	65.3	59.0	61.0	60.4	15.6	25.0	18.5	15.0	16.1	15.8
9/3/2002	57.0	87.0	67.0	57.0	70.0	61.8	13.9	30.6	19.4	13.9	21.1	16.6
9/4/2002	67.0	87.0	77.5	49.0	71.0	61.7	19.4	30.6	25.3	9.4	21.7	16.5
9/5/2002	58.0	82.0	69.7	51.0	59.0	55.4	14.4	27.8	20.9	10.6	15.0	13.0
9/6/2002	49.0	82.0	65.7	39.0	54.0	48.3	9.4	27.8	18.7	3.9	12.2	9.1
9/7/2002	50.0	86.0	66.9	47.0	54.0	50.2	10.0	30.0	19.4	8.3	12.2	10.1
9/8/2002	50.0	90.0	68.2	40.0	55.0	50.0	10.0	32.2	20.1	4.4	12.8	10.0
9/9/2002	50.0	94.0	69.3	46.0	63.0	51.3	10.0	34.4	20.7	7.8	17.2	10.7
9/10/2002	55.0	96.0	72.6	50.0	61.0	56.1	12.8	35.6	22.6	10.0	16.1	13.4
9/11/2002	61.0	80.0	68.3	43.0	59.0	52.0	16.1	26.7	20.2	6.1	15.0	11.1
9/12/2002	49.0	78.0	63.1	37.0	48.0	44.6	9.4	25.6	17.3	2.8	8.9	7.0
9/13/2002	45.0	85.0	62.4	39.0	52.0	46.3	7.2	29.4	16.9	3.9	11.1	7.9

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
9/14/2002	50.0	85.0	65.8	47.0	70.0	54.4	10.0	29.4	18.8	8.3	21.1	12.4
9/15/2002	71.0	78.0	73.3	69.0	73.0	70.5	21.7	25.6	22.9	20.6	22.8	21.4
9/16/2002	64.0	76.0	69.8	60.0	70.0	66.4	17.8	24.4	21.0	15.6	21.1	19.1
9/17/2002	57.0	81.0	65.2	53.0	63.0	57.8	13.9	27.2	18.4	11.7	17.2	14.3
9/18/2002	52.0	80.0	63.6	51.0	61.0	54.5	11.1	26.7	17.6	10.6	16.1	12.5
9/19/2002	61.0	74.0	67.3	55.0	67.0	61.4	16.1	23.3	19.6	12.8	19.4	16.3
9/20/2002	66.0	83.0	73.0	63.0	69.0	65.7	18.9	28.3	22.8	17.2	20.6	18.7
9/21/2002	71.0	79.0	73.9	66.0	72.0	69.2	21.7	26.1	23.3	18.9	22.2	20.7
9/22/2002	66.0	72.0	69.8	66.0	71.0	68.9	18.9	22.2	21.0	18.9	21.7	20.5
9/23/2002	56.0	72.0	64.2	41.0	68.0	56.2	13.3	22.2	17.9	5.0	20.0	13.4
9/24/2002	46.0	73.0	54.9	44.0	57.0	47.8	7.8	22.8	12.7	6.7	13.9	8.8
9/25/2002	49.0	67.0	54.2	48.0	53.0	50.4	9.4	19.4	12.3	8.9	11.7	10.2
9/26/2002	55.0	62.0	58.5	53.0	56.0	54.7	12.8	16.7	14.7	11.7	13.3	12.6
9/27/2002	55.0	72.0	61.8	53.0	70.0	59.7	12.8	22.2	16.6	11.7	21.1	15.4
9/28/2002	61.0	74.0	67.7	49.0	70.0	56.7	16.1	23.3	19.8	9.4	21.1	13.7
9/29/2002	44.0	70.0	53.8	42.0	56.0	47.2	6.7	21.1	12.1	5.6	13.3	8.4
9/30/2002	50.0	72.0	58.3	48.0	61.0	53.7	10.0	22.2	14.6	8.9	16.1	12.1
10/1/2002	54.0	80.0	64.1	53.0	65.0	58.1	12.2	26.7	17.8	11.7	18.3	14.5
10/2/2002	59.0	84.0	67.4	59.0	67.0	62.7	15.0	28.9	19.7	15.0	19.4	17.1
10/3/2002	63.0	79.0	68.4	60.0	67.0	63.4	17.2	26.1	20.2	15.6	19.4	17.4
10/4/2002	64.0	70.0	66.2	60.0	66.0	62.3	17.8	21.1	19.0	15.6	18.9	16.8
10/5/2002	63.0	74.0	70.3	48.0	69.0	60.9	17.2	23.3	21.3	8.9	20.6	16.1
10/6/2002	45.0	68.0	54.7	44.0	49.0	46.4	7.2	20.0	12.6	6.7	9.4	8.0
10/7/2002	57.0	67.0	64.0	37.0	57.0	48.6	13.9	19.4	17.8	2.8	13.9	9.2
10/8/2002	42.0	60.0	50.9	33.0	43.0	36.6	5.6	15.6	10.5	0.6	6.1	2.6
10/9/2002	41.0	62.0	50.4	39.0	49.0	43.4	5.0	16.7	10.2	3.9	9.4	6.3
10/10/2002	52.0	63.0	58.3	49.0	61.0	55.2	11.1	17.2	14.6	9.4	16.1	12.9
10/11/2002	55.0	61.0	57.4	55.0	60.0	56.4	12.8	16.1	14.1	12.8	15.6	13.6
10/12/2002	55.0	64.0	58.6	55.0	61.0	57.1	12.8	17.8	14.8	12.8	16.1	13.9
10/13/2002	54.0	61.0	59.1	52.0	59.0	56.4	12.2	16.1	15.1	11.1	15.0	13.6
10/14/2002	39.0	55.0	47.9	30.0	52.0	37.5	3.9	12.8	8.8	-1.1	11.1	3.1
10/15/2002	33.0	56.0	41.3	32.0	45.0	36.4	0.6	13.3	5.2	0.0	7.2	2.4
10/16/2002	48.0	55.0	50.6	45.0	52.0	49.0	8.9	12.8	10.3	7.2	11.1	9.4
10/17/2002	46.0	56.0	50.0	37.0	49.0	44.2	7.8	13.3	10.0	2.8	9.4	6.8
10/18/2002	35.0	56.0	44.7	34.0	43.0	37.7	1.7	13.3	7.1	1.1	6.1	3.2
10/19/2002	46.0	52.0	48.5	37.0	50.0	43.9	7.8	11.1	9.2	2.8	10.0	6.6
10/20/2002	35.0	57.0	44.0	35.0	49.0	39.7	1.7	13.9	6.7	1.7	9.4	4.3
10/21/2002	37.0	55.0	43.5	30.0	41.0	36.4	2.8	12.8	6.4	-1.1	5.0	2.4
10/22/2002	31.0	57.0	41.0	30.0	43.0	34.6	-0.6	13.9	5.0	-1.1	6.1	1.4
10/23/2002	39.0	52.0	45.1	31.0	43.0	37.2	3.9	11.1	7.3	-0.6	6.1	2.9
10/24/2002	30.0	43.0	35.8	28.0	37.0	32.0	-1.1	6.1	2.1	-2.2	2.8	0.0
10/25/2002	36.0	43.0	39.7	35.0	43.0	38.9	2.2	6.1	4.3	1.7	6.1	3.8
10/26/2002	43.0	56.0	49.2	42.0	52.0	47.3	6.1	13.3	9.6	5.6	11.1	8.5
10/27/2002	48.0	57.0	51.8	35.0	52.0	43.6	8.9	13.9	11.0	1.7	11.1	6.4
10/28/2002	41.0	53.0	46.8	32.0	40.0	36.3	5.0	11.7	8.2	0.0	4.4	2.4
10/29/2002	29.0	44.0	36.6	26.0	36.0	31.3	-1.7	6.7	2.6	-3.3	2.2	-0.4
10/30/2002	33.0	36.0	34.1	33.0	34.0	33.8	0.6	2.2	1.2	0.6	1.1	1.0

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
10/31/2002	30.0	45.0	35.8	30.0	36.0	33.5	-1.1	7.2	2.1	-1.1	2.2	0.8
11/1/2002	30.0	46.0	35.4	22.0	36.0	31.5	-1.1	7.8	1.9	-5.6	2.2	-0.3
11/2/2002	33.0	45.0	37.3	24.0	32.0	28.4	0.6	7.2	2.9	-4.4	0.0	-2.0
11/3/2002	36.0	43.0	39.6	25.0	34.0	30.5	2.2	6.1	4.2	-3.9	1.1	-0.8
11/4/2002	28.0	43.0	34.6	27.0	39.0	32.3	-2.2	6.1	1.4	-2.8	3.9	0.2
11/5/2002	32.0	46.0	40.9	28.0	40.0	34.0	0.0	7.8	4.9	-2.2	4.4	1.1
11/6/2002	38.0	47.0	42.8	31.0	45.0	40.3	3.3	8.3	6.0	-0.6	7.2	4.6
11/7/2002	34.0	45.0	41.1	9.0	37.0	26.8	1.1	7.2	5.1	-12.8	2.8	-2.9
11/8/2002	28.0	62.0	40.4	22.0	40.0	30.8	-2.2	16.7	4.7	-5.6	4.4	-0.7
11/9/2002	33.0	62.0	45.6	33.0	43.0	38.4	0.6	16.7	7.6	0.6	6.1	3.6
11/10/2002	52.0	65.0	58.3	42.0	59.0	50.6	11.1	18.3	14.6	5.6	15.0	10.3
11/11/2002	52.0	69.0	64.6	48.0	63.0	58.3	11.1	20.6	18.1	8.9	17.2	14.6
11/12/2002	43.0	54.0	46.2	43.0	49.0	45.8	6.1	12.2	7.9	6.1	9.4	7.7
11/13/2002	45.0	48.0	46.1	36.0	47.0	42.1	7.2	8.9	7.8	2.2	8.3	5.6
11/14/2002	34.0	54.0	40.5	34.0	44.0	37.5	1.1	12.2	4.7	1.1	6.7	3.1
11/15/2002	35.0	56.0	45.2	35.0	44.0	39.7	1.7	13.3	7.3	1.7	6.7	4.3
11/16/2002	37.0	49.0	40.4	36.0	43.0	39.0	2.8	9.4	4.7	2.2	6.1	3.9
11/17/2002	37.0	42.0	39.3	37.0	42.0	38.7	2.8	5.6	4.1	2.8	5.6	3.7
11/18/2002	37.0	45.0	39.5	26.0	39.0	31.9	2.8	7.2	4.2	-3.3	3.9	-0.1
11/19/2002	30.0	39.0	34.6	26.0	36.0	30.2	-1.1	3.9	1.4	-3.3	2.2	-1.0
11/20/2002	35.0	44.0	37.6	35.0	40.0	36.8	1.7	6.7	3.1	1.7	4.4	2.7
11/21/2002	30.0	46.0	39.1	30.0	45.0	38.3	-1.1	7.8	3.9	-1.1	7.2	3.5
11/22/2002	43.0	47.0	45.6	36.0	47.0	44.1	6.1	8.3	7.6	2.2	8.3	6.7
11/23/2002	33.0	43.0	37.3	21.0	37.0	27.3	0.6	6.1	2.9	-6.1	2.8	-2.6
11/24/2002	35.0	50.0	41.1	28.0	34.0	31.2	1.7	10.0	5.1	-2.2	1.1	-0.4
11/25/2002	30.0	46.0	38.1	30.0	37.0	33.7	-1.1	7.8	3.4	-1.1	2.8	0.9
11/26/2002	28.0	44.0	37.1	21.0	36.0	28.1	-2.2	6.7	2.8	-6.1	2.2	-2.2
11/27/2002	28.0	38.0	33.0	18.0	34.0	28.3	-2.2	3.3	0.6	-7.8	1.1	-2.1
11/28/2002	19.0	33.0	26.0	14.0	20.0	17.7	-7.2	0.6	-3.3	-10.0	-6.7	-7.9
11/29/2002	27.0	41.0	32.7	19.0	27.0	22.4	-2.8	5.0	0.4	-7.2	-2.8	-5.3
11/30/2002	30.0	47.0	38.7	24.0	34.0	27.8	-1.1	8.3	3.7	-4.4	1.1	-2.3
12/1/2002	25.0	39.0	29.2	9.0	33.0	19.9	-3.9	3.9	-1.6	-12.8	0.6	-6.7
12/2/2002	23.0	34.0	28.3	8.0	25.0	14.6	-5.0	1.1	-2.1	-13.3	-3.9	-9.7
12/3/2002	10.0	34.0	21.3	-4.0	28.0	9.8	-12.2	1.1	-5.9	-20.0	-2.2	-12.3
12/4/2002	9.0	27.0	17.1	0.0	16.0	7.8	-12.8	-2.8	-8.3	-17.8	-8.9	-13.4
12/5/2002	21.0	25.0	23.5	15.0	25.0	21.0	-6.1	-3.9	-4.7	-9.4	-3.9	-6.1
12/6/2002	18.0	30.0	25.4	16.0	25.0	20.6	-7.8	-1.1	-3.7	-8.9	-3.9	-6.3
12/7/2002	6.0	32.0	18.0	1.0	16.0	10.4	-14.4	0.0	-7.8	-17.2	-8.9	-12.0
12/8/2002	17.0	38.0	26.6	14.0	32.0	21.7	-8.3	3.3	-3.0	-10.0	0.0	-5.7
12/9/2002	4.0	31.0	18.0	0.0	22.0	6.2	-15.6	-0.6	-7.8	-17.8	-5.6	-14.3
12/10/2002	7.0	25.0	14.2	1.0	17.0	7.0	-13.9	-3.9	-9.9	-17.2	-8.3	-13.9
12/11/2002	13.0	34.0	25.1	10.0	34.0	22.9	-10.6	1.1	-3.8	-12.2	1.1	-5.1
12/12/2002	33.0	38.0	34.7	33.0	37.0	34.7	0.6	3.3	1.5	0.6	2.8	1.5
12/13/2002	33.0	37.0	34.8	33.0	36.0	34.5	0.6	2.8	1.6	0.6	2.2	1.4
12/14/2002	32.0	40.0	35.3	32.0	38.0	34.5	0.0	4.4	1.8	0.0	3.3	1.4
12/15/2002	36.0	41.0	38.9	30.0	35.0	31.9	2.2	5.0	3.8	-1.1	1.7	-0.1
12/16/2002	27.0	38.0	34.1	17.0	36.0	28.5	-2.8	3.3	1.2	-8.3	2.2	-1.9

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
12/17/2002	18.0	32.0	23.0	9.0	17.0	12.9	-7.8	0.0	-5.0	-12.8	-8.3	-10.6
12/18/2002	10.0	33.0	21.5	7.0	19.0	13.5	-12.2	0.6	-5.8	-13.9	-7.2	-10.3
12/19/2002	25.0	41.0	31.1	15.0	34.0	23.0	-3.9	5.0	-0.5	-9.4	1.1	-5.0
12/20/2002	37.0	54.0	45.4	30.0	54.0	42.4	2.8	12.2	7.4	-1.1	12.2	5.8
12/21/2002	34.0	41.0	37.3	26.0	34.0	30.6	1.1	5.0	2.9	-3.3	1.1	-0.8
12/22/2002	25.0	43.0	33.8	25.0	40.0	30.5	-3.9	6.1	1.0	-3.9	4.4	-0.8
12/23/2002	30.0	41.0	36.0	24.0	39.0	26.6	-1.1	5.0	2.2	-4.4	3.9	-3.0
12/24/2002	30.0	37.0	32.9	17.0	27.0	21.4	-1.1	2.8	0.5	-8.3	-2.8	-5.9
12/25/2002	28.0	34.0	30.3	22.0	32.0	29.0	-2.2	1.1	-0.9	-5.6	0.0	-1.7
12/26/2002	28.0	34.0	30.8	21.0	28.0	24.8	-2.2	1.1	-0.7	-6.1	-2.2	-4.0
12/27/2002	25.0	33.0	29.5	21.0	27.0	24.1	-3.9	0.6	-1.4	-6.1	-2.8	-4.4
12/28/2002	11.0	34.0	21.8	9.0	30.0	19.1	-11.7	1.1	-5.7	-12.8	-1.1	-7.2
12/29/2002	28.0	41.0	34.1	25.0	34.0	30.6	-2.2	5.0	1.2	-3.9	1.1	-0.8
12/30/2002	21.0	37.0	27.6	21.0	30.0	24.6	-6.1	2.8	-2.4	-6.1	-1.1	-4.1
12/31/2002	35.0	42.0	27.6	30.0	39.0	24.6	1.7	5.6	-2.4	-1.1	3.9	-4.1
1/1/2003	35.1	41.0	36.5	32.0	39.0	36.5	1.7	5.0	2.5	0.0	3.9	2.5
1/2/2003	28.0	37.0	30.9	23.0	36.0	29.1	-2.2	2.8	-0.6	-5.0	2.2	-1.6
1/3/2003	26.6	32.0	29.8	26.6	32.0	29.7	-3.0	0.0	-1.2	-3.0	0.0	-1.3
1/4/2003	30.0	33.8	31.1	28.4	32.0	30.4	-1.1	1.0	-0.5	-2.0	0.0	-0.9
1/5/2003	26.1	32.0	28.9	21.9	28.9	25.3	-3.3	0.0	-1.7	-5.6	-1.7	-3.7
1/6/2003	26.6	30.9	28.8	26.6	30.2	28.4	-3.0	-0.6	-1.8	-3.0	-1.0	-2.0
1/7/2003	17.6	30.2	24.6	9.0	30.2	18.5	-8.0	-1.0	-4.1	-12.8	-1.0	-7.5
1/8/2003	25.0	39.0	32.7	18.0	36.0	29.7	-3.9	3.9	0.4	-7.8	2.2	-1.3
1/9/2003	35.1	45.0	41.7	33.8	37.0	34.9	1.7	7.2	5.4	1.0	2.8	1.6
1/10/2003	28.4	41.0	34.3	12.9	36.0	27.9	-2.0	5.0	1.3	-10.6	2.2	-2.3
1/11/2003	21.0	28.9	24.4	6.1	24.8	14.4	-6.1	-1.7	-4.2	-14.4	-4.0	-9.8
1/12/2003	21.0	30.0	23.9	10.0	18.0	13.8	-6.1	-1.1	-4.5	-12.2	-7.8	-10.1
1/13/2003	12.2	33.1	23.0	6.8	19.0	14.7	-11.0	0.6	-5.0	-14.0	-7.2	-9.6
1/14/2003	15.8	24.1	20.1	6.1	16.0	10.6	-9.0	-4.4	-6.6	-14.4	-8.9	-11.9
1/15/2003	18.0	26.1	21.2	7.0	19.9	14.2	-7.8	-3.3	-6.0	-13.9	-6.7	-9.9
1/16/2003	14.0	23.0	18.0	8.1	12.0	10.8	-10.0	-5.0	-7.8	-13.3	-11.1	-11.8
1/17/2003	8.6	24.1	18.0	1.4	19.9	12.6	-13.0	-4.4	-7.8	-17.0	-6.7	-10.8
1/18/2003	-0.4	19.9	8.6	-5.8	9.0	0.1	-18.0	-6.7	-13.0	-21.0	-12.8	-17.7
1/19/2003	10.4	24.1	16.5	6.1	15.8	10.4	-12.0	-4.4	-8.6	-14.4	-9.0	-12.0
1/20/2003	17.6	25.0	22.6	1.4	25.0	10.9	-8.0	-3.9	-5.2	-17.0	-3.9	-11.7
1/21/2003	3.0	23.0	13.8	0.0	10.0	2.3	-16.1	-5.0	-10.1	-17.8	-12.2	-16.5
1/22/2003	8.1	19.0	14.2	-2.2	9.0	2.7	-13.3	-7.2	-9.9	-19.0	-12.8	-16.3
1/23/2003	3.9	17.1	11.1	-5.1	12.2	0.5	-15.6	-8.3	-11.6	-20.6	-11.0	-17.5
1/24/2003	6.8	28.9	13.8	-0.9	8.6	1.2	-14.0	-1.7	-10.1	-18.3	-13.0	-17.1
1/25/2003	18.0	27.0	21.4	9.0	17.6	12.0	-7.8	-2.8	-5.9	-12.8	-8.0	-11.1
1/26/2003	18.0	27.0	25.0	14.0	27.0	19.4	-7.8	-2.8	-3.9	-10.0	-2.8	-7.0
1/27/2003	3.2	24.8	13.1	-5.8	24.8	3.4	-16.0	-4.0	-10.5	-21.0	-4.0	-15.9
1/28/2003	1.4	21.2	9.7	-2.9	15.8	4.5	-17.0	-6.0	-12.4	-19.4	-9.0	-15.3
1/29/2003	21.0	33.1	24.4	15.1	30.9	23.2	-6.1	0.6	-4.2	-9.4	-0.6	-4.9
1/30/2003	8.6	32.0	21.6	8.6	24.1	18.0	-13.0	0.0	-5.8	-13.0	-4.4	-7.8
1/31/2003	14.0	33.1	24.8	14.0	33.1	23.7	-10.0	0.6	-4.0	-10.0	0.6	-4.6
2/1/2003	30.2	37.4	33.3	30.9	37.4	33.4	-1.0	3.0	0.7	-0.6	3.0	0.8

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
2/2/2003	35.1	37.9	36.5	25.0	34.0	30.6	1.7	3.3	2.5	-3.9	1.1	-0.8
2/3/2003	30.0	41.0	35.1	24.8	30.2	27.0	-1.1	5.0	1.7	-4.0	-1.0	-2.8
2/4/2003	33.8	42.1	38.8	25.0	39.2	33.1	1.0	5.6	3.8	-3.9	4.0	0.6
2/5/2003	24.1	34.0	27.9	6.1	26.1	12.4	-4.4	1.1	-2.3	-14.4	-3.3	-10.9
2/6/2003	14.0	30.9	21.6	6.1	24.8	12.0	-10.0	-0.6	-5.8	-14.4	-4.0	-11.1
2/7/2003	26.1	32.0	28.6	17.6	30.2	26.1	-3.3	0.0	-1.9	-8.0	-1.0	-3.3
2/8/2003	10.9	27.0	20.3	1.4	18.0	8.1	-11.7	-2.8	-6.5	-17.0	-7.8	-13.3
2/9/2003	10.0	32.0	21.7	1.0	25.0	12.0	-12.2	0.0	-5.7	-17.2	-3.9	-11.1
2/10/2003	21.9	32.0	28.4	18.0	30.9	25.2	-5.6	0.0	-2.0	-7.8	-0.6	-3.8
2/11/2003	5.0	32.0	20.3	-0.9	32.0	12.6	-15.0	0.0	-6.5	-18.3	0.0	-10.8
2/12/2003	8.1	27.0	18.5	-2.9	21.0	8.6	-13.3	-2.8	-7.5	-19.4	-6.1	-13.0
2/13/2003	14.0	21.9	18.0	1.0	8.1	3.0	-10.0	-5.6	-7.8	-17.2	-13.3	-16.1
2/14/2003	6.1	30.0	17.6	1.9	12.2	6.8	-14.4	-1.1	-8.0	-16.7	-11.0	-14.0
2/15/2003	15.1	25.0	20.7	-7.1	15.1	7.5	-9.4	-3.9	-6.3	-21.7	-9.4	-13.6
2/16/2003	6.8	16.0	10.4	-11.2	12.0	-6.7	-14.0	-8.9	-12.0	-24.0	-11.1	-21.5
2/17/2003	14.0	24.8	18.9	12.2	23.0	17.4	-10.0	-4.0	-7.3	-11.0	-5.0	-8.1
2/18/2003	19.4	32.0	24.3	17.1	30.0	21.6	-7.0	0.0	-4.3	-8.3	-1.1	-5.8
2/19/2003	30.0	37.9	32.7	26.1	32.0	28.0	-1.1	3.3	0.4	-3.3	0.0	-2.2
2/20/2003	34.0	45.0	37.8	21.0	35.1	28.9	1.1	7.2	3.2	-6.1	1.7	-1.7
2/21/2003	14.0	41.0	26.6	12.0	28.9	21.6	-10.0	5.0	-3.0	-11.1	-1.7	-5.8
2/22/2003	34.0	41.0	37.4	28.9	41.0	36.9	1.1	5.0	3.0	-1.7	5.0	2.7
2/23/2003	30.0	41.0	36.7	18.0	41.0	33.8	-1.1	5.0	2.6	-7.8	5.0	1.0
2/24/2003	21.0	30.0	24.3	10.4	25.0	17.4	-6.1	-1.1	-4.3	-12.0	-3.9	-8.1
2/25/2003	21.0	30.0	24.4	3.2	26.1	14.9	-6.1	-1.1	-4.2	-16.0	-3.3	-9.5
2/26/2003	15.1	21.9	18.3	1.9	16.0	6.6	-9.4	-5.6	-7.6	-16.7	-8.9	-14.1
2/27/2003	21.0	28.9	23.5	15.8	21.9	18.5	-6.1	-1.7	-4.7	-9.0	-5.6	-7.5
2/28/2003	28.0	34.0	29.7	21.0	27.0	23.9	-2.2	1.1	-1.3	-6.1	-2.8	-4.5
3/1/2003	28.9	34.0	32.0	25.0	34.0	29.8	-1.7	1.1	0.0	-3.9	1.1	-1.2
3/2/2003	33.8	42.1	35.6	32.0	37.9	35.1	1.0	5.6	2.0	0.0	3.3	1.7
3/3/2003	6.1	37.9	17.8	-9.9	32.0	1.0	-14.4	3.3	-7.9	-23.3	0.0	-17.2
3/4/2003	12.0	35.6	21.7	-4.0	24.8	7.5	-11.1	2.0	-5.7	-20.0	-4.0	-13.6
3/5/2003	32.0	41.0	35.2	25.0	37.9	32.2	0.0	5.0	1.8	-3.9	3.3	0.1
3/6/2003	23.0	39.2	29.7	15.1	37.4	27.0	-5.0	4.0	-1.3	-9.4	3.0	-2.8
3/7/2003	1.4	30.0	15.4	-0.9	17.6	8.1	-17.0	-1.1	-9.2	-18.3	-8.0	-13.3
3/8/2003	14.0	43.0	26.8	12.2	32.0	21.7	-10.0	6.1	-2.9	-11.0	0.0	-5.7
3/9/2003	24.8	43.0	36.9	5.0	36.0	25.5	-4.0	6.1	2.7	-15.0	2.2	-3.6
3/10/2003	17.1	27.0	21.0	1.4	9.0	5.2	-8.3	-2.8	-6.1	-17.0	-12.8	-14.9
3/11/2003	10.0	37.0	22.5	6.1	30.2	14.0	-12.2	2.8	-5.3	-14.4	-1.0	-10.0
3/12/2003	26.1	45.0	32.9	26.1	37.0	30.7	-3.3	7.2	0.5	-3.3	2.8	-0.7
3/13/2003	32.0	41.0	36.1	30.2	37.0	35.6	0.0	5.0	2.3	-1.0	2.8	2.0
3/14/2003	15.8	36.0	25.9	8.1	30.9	16.7	-9.0	2.2	-3.4	-13.3	-0.6	-8.5
3/15/2003	26.1	50.0	35.8	19.0	36.0	27.7	-3.3	10.0	2.1	-7.2	2.2	-2.4
3/16/2003	28.0	61.0	41.9	28.0	52.0	37.8	-2.2	16.1	5.5	-2.2	11.1	3.2
3/17/2003	33.8	64.0	43.0	32.0	54.0	45.0	1.0	17.8	6.1	0.0	12.2	7.2
3/18/2003	35.1	57.9	44.8	34.0	46.9	40.3	1.7	14.4	7.1	1.1	8.3	4.6
3/19/2003	30.9	50.0	40.8	25.0	39.9	31.8	-0.6	10.0	4.9	-3.9	4.4	-0.1
3/20/2003	33.1	44.1	36.5	19.9	42.8	33.3	0.6	6.7	2.5	-6.7	6.0	0.7

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
3/21/2003	37.9	54.0	43.3	37.9	48.2	42.1	3.3	12.2	6.3	3.3	9.0	5.6
3/22/2003	43.0	55.0	48.0	30.2	48.0	39.0	6.1	12.8	8.9	-1.0	8.9	3.9
3/23/2003	37.0	55.0	44.8	32.0	37.4	34.0	2.8	12.8	7.1	0.0	3.0	1.1
3/24/2003	30.0	60.1	43.5	30.0	41.0	35.2	-1.1	15.6	6.4	-1.1	5.0	1.8
3/25/2003	39.9	71.1	53.8	37.0	46.4	41.2	4.4	21.7	12.1	2.8	8.0	5.1
3/26/2003	42.8	66.0	51.1	41.0	48.0	45.0	6.0	18.9	10.6	5.0	8.9	7.2
3/27/2003	35.6	59.0	42.4	34.0	42.1	37.8	2.0	15.0	5.8	1.1	5.6	3.2
3/28/2003	44.1	62.1	53.2	34.0	52.0	40.8	6.7	16.7	11.8	1.1	11.1	4.9
3/29/2003	50.0	64.0	57.2	48.0	61.0	55.2	10.0	17.8	14.0	8.9	16.1	12.9
3/30/2003	30.2	50.0	36.5	26.6	50.0	33.8	-1.0	10.0	2.5	-3.0	10.0	1.0
3/31/2003	26.6	35.6	31.1	15.1	28.0	21.4	-3.0	2.0	-0.5	-9.4	-2.2	-5.9
4/1/2003	21.9	44.1	31.8	10.0	37.9	21.7	-5.6	6.7	-0.1	-12.2	3.3	-5.7
4/2/2003	39.0	77.0	48.6	37.0	50.0	42.6	3.9	25.0	9.2	2.8	10.0	5.9
4/3/2003	39.9	70.0	54.0	39.9	54.0	47.3	4.4	21.1	12.2	4.4	12.2	8.5
4/4/2003	43.0	61.0	47.1	42.1	50.0	43.9	6.1	16.1	8.4	5.6	10.0	6.6
4/5/2003	37.4	50.0	42.6	35.6	46.4	40.6	3.0	10.0	5.9	2.0	8.0	4.8
4/6/2003	30.0	48.0	37.9	14.0	35.1	20.3	-1.1	8.9	3.3	-10.0	1.7	-6.5
4/7/2003	30.0	39.9	32.4	19.0	30.9	26.8	-1.1	4.4	0.2	-7.2	-0.6	-2.9
4/8/2003	30.0	35.6	32.0	30.0	34.0	31.3	-1.1	2.0	0.0	-1.1	1.1	-0.4
4/9/2003	33.8	42.1	36.9	33.1	37.4	34.9	1.0	5.6	2.7	0.6	3.0	1.6
4/10/2003	37.0	61.0	45.0	28.0	37.0	33.1	2.8	16.1	7.2	-2.2	2.8	0.6
4/11/2003	39.0	55.9	43.0	26.1	46.0	39.6	3.9	13.3	6.1	-3.3	7.8	4.2
4/12/2003	44.1	68.0	51.6	30.2	45.0	39.7	6.7	20.0	10.9	-1.0	7.2	4.3
4/13/2003	36.0	60.1	49.1	19.4	36.0	27.7	2.2	15.6	9.5	-7.0	2.2	-2.4
4/14/2003	30.9	69.1	48.0	19.0	35.6	29.8	-0.6	20.6	8.9	-7.2	2.0	-1.2
4/15/2003	39.9	84.0	61.3	35.1	46.9	40.8	4.4	28.9	16.3	1.7	8.3	4.9
4/16/2003	48.9	82.9	65.5	39.2	48.0	44.6	9.4	28.3	18.6	4.0	8.9	7.0
4/17/2003	37.0	55.9	42.1	24.1	39.9	31.5	2.8	13.3	5.6	-4.4	4.4	-0.3
4/18/2003	36.0	42.8	38.8	21.9	41.0	31.1	2.2	6.0	3.8	-5.6	5.0	-0.5
4/19/2003	39.2	63.0	47.3	39.2	46.9	43.2	4.0	17.2	8.5	4.0	8.3	6.2
4/20/2003	42.1	66.0	54.1	30.9	46.9	40.1	5.6	18.9	12.3	-0.6	8.3	4.5
4/21/2003	51.1	64.0	54.3	35.1	53.6	46.6	10.6	17.8	12.4	1.7	12.0	8.1
4/22/2003	46.4	57.2	53.2	37.4	54.0	50.0	8.0	14.0	11.8	3.0	12.2	10.0
4/23/2003	39.0	50.0	43.9	25.0	37.0	30.0	3.9	10.0	6.6	-3.9	2.8	-1.1
4/24/2003	33.1	62.1	47.1	14.0	28.0	21.7	0.6	16.7	8.4	-10.0	-2.2	-5.7
4/25/2003	36.0	68.0	50.7	19.0	39.2	30.4	2.2	20.0	10.4	-7.2	4.0	-0.9
4/26/2003	51.8	63.0	55.2	39.9	55.9	52.2	11.0	17.2	12.9	4.4	13.3	11.2
4/27/2003	43.0	70.0	56.3	26.1	53.1	39.7	6.1	21.1	13.5	-3.3	11.7	4.3
4/28/2003	37.9	81.0	57.7	28.4	43.0	36.3	3.3	27.2	14.3	-2.0	6.1	2.4
4/29/2003	48.0	73.9	57.9	28.9	54.0	43.2	8.9	23.3	14.4	-1.7	12.2	6.2
4/30/2003	45.0	68.0	55.0	32.0	39.9	36.3	7.2	20.0	12.8	0.0	4.4	2.4
5/1/2003	54.0	79.0	64.9	39.9	61.0	52.2	12.2	26.1	18.3	4.4	16.1	11.2
5/2/2003	55.4	75.9	66.0	44.6	62.1	56.8	13.0	24.4	18.9	7.0	16.7	13.8
5/3/2003	44.1	64.9	54.1	30.0	45.0	37.9	6.7	18.3	12.3	-1.1	7.2	3.3
5/4/2003	43.0	66.0	55.6	30.9	41.0	36.1	6.1	18.9	13.1	-0.6	5.0	2.3
5/5/2003	43.0	63.0	50.0	37.4	44.6	41.7	6.1	17.2	10.0	3.0	7.0	5.4
5/6/2003	44.1	64.0	51.3	37.4	55.4	46.0	6.7	17.8	10.7	3.0	13.0	7.8

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
5/7/2003	52.0	73.0	59.5	52.0	60.8	56.5	11.1	22.8	15.3	11.1	16.0	13.6
5/8/2003	57.2	68.0	60.6	54.0	59.0	57.0	14.0	20.0	15.9	12.2	15.0	13.9
5/9/2003	53.1	64.9	58.3	48.0	59.0	52.9	11.7	18.3	14.6	8.9	15.0	11.6
5/10/2003	48.2	75.0	60.1	48.0	60.8	53.4	9.0	23.9	15.6	8.9	16.0	11.9
5/11/2003	57.2	75.9	66.9	53.6	69.8	62.6	14.0	24.4	19.4	12.0	21.0	17.0
5/12/2003	51.8	73.9	58.1	42.1	57.0	45.0	11.0	23.3	14.5	5.6	13.9	7.2
5/13/2003	48.2	55.0	51.3	39.0	44.1	41.4	9.0	12.8	10.7	3.9	6.7	5.2
5/14/2003	48.2	61.0	54.0	39.2	44.1	42.3	9.0	16.1	12.2	4.0	6.7	5.7
5/15/2003	39.0	63.0	51.3	37.9	50.0	43.9	3.9	17.2	10.7	3.3	10.0	6.6
5/16/2003	51.1	55.9	53.2	46.9	51.8	50.4	10.6	13.3	11.8	8.3	11.0	10.2
5/17/2003	48.0	55.0	50.9	44.1	51.8	47.3	8.9	12.8	10.5	6.7	11.0	8.5
5/18/2003	50.0	64.9	56.1	42.8	50.0	47.1	10.0	18.3	13.4	6.0	10.0	8.4
5/19/2003	39.0	73.9	55.8	36.0	48.0	42.6	3.9	23.3	13.2	2.2	8.9	5.9
5/20/2003	44.1	73.0	59.9	37.0	50.0	43.0	6.7	22.8	15.5	2.8	10.0	6.1
5/21/2003	51.8	64.9	56.3	39.9	57.0	49.5	11.0	18.3	13.5	4.4	13.9	9.7
5/22/2003	46.0	64.9	54.7	41.0	52.0	45.9	7.8	18.3	12.6	5.0	11.1	7.7
5/23/2003	53.1	63.0	57.6	48.2	53.6	50.7	11.7	17.2	14.2	9.0	12.0	10.4
5/24/2003	53.1	61.0	56.3	52.0	57.2	54.7	11.7	16.1	13.5	11.1	14.0	12.6
5/25/2003	57.0	68.0	61.0	50.0	55.9	54.5	13.9	20.0	16.1	10.0	13.3	12.5
5/26/2003	57.0	66.0	60.8	53.1	57.2	55.0	13.9	18.9	16.0	11.7	14.0	12.8
5/27/2003	52.0	64.9	57.9	46.0	55.0	51.3	11.1	18.3	14.4	7.8	12.8	10.7
5/28/2003	53.1	66.2	57.9	48.0	57.2	52.9	11.7	19.0	14.4	8.9	14.0	11.6
5/29/2003	50.0	72.0	58.3	48.9	57.0	52.0	10.0	22.2	14.6	9.4	13.9	11.1
5/30/2003	51.1	73.9	62.8	50.0	57.2	53.8	10.6	23.3	17.1	10.0	14.0	12.1
5/31/2003	57.0	69.1	60.6	54.0	60.8	57.7	13.9	20.6	15.9	12.2	16.0	14.3
6/1/2003	50.0	60.1	54.5	42.8	59.0	48.9	10.0	15.6	12.5	6.0	15.0	9.4
6/2/2003	44.1	71.1	56.3	37.0	44.6	40.3	6.7	21.7	13.5	2.8	7.0	4.6
6/3/2003	46.0	66.9	53.1	41.0	53.6	48.2	7.8	19.4	11.7	5.0	12.0	9.0
6/4/2003	52.0	60.1	55.4	51.1	55.9	52.9	11.1	15.6	13.0	10.6	13.3	11.6
6/5/2003	55.0	68.0	59.5	48.9	57.2	54.1	12.8	20.0	15.3	9.4	14.0	12.3
6/6/2003	55.9	73.9	62.2	50.0	54.0	51.4	13.3	23.3	16.8	10.0	12.2	10.8
6/7/2003	55.0	69.1	59.7	53.1	60.8	57.2	12.8	20.6	15.4	11.7	16.0	14.0
6/8/2003	57.0	71.1	63.1	57.0	60.8	58.8	13.9	21.7	17.3	13.9	16.0	14.9
6/9/2003	57.2	75.9	65.5	51.8	59.0	56.7	14.0	24.4	18.6	11.0	15.0	13.7
6/10/2003	53.1	78.1	63.7	52.0	57.9	55.0	11.7	25.6	17.6	11.1	14.4	12.8
6/11/2003	66.2	77.0	70.3	57.0	66.9	62.8	19.0	25.0	21.3	13.9	19.4	17.1
6/12/2003	64.9	73.9	69.6	64.9	70.0	67.5	18.3	23.3	20.9	18.3	21.1	19.7
6/13/2003	69.1	82.9	73.0	66.0	70.0	67.1	20.6	28.3	22.8	18.9	21.1	19.5
6/14/2003	64.9	80.1	72.0	63.0	69.8	66.9	18.3	26.7	22.2	17.2	21.0	19.4
6/15/2003	57.0	80.6	67.8	53.1	66.0	58.5	13.9	27.0	19.9	11.7	18.9	14.7
6/16/2003	48.0	77.0	64.2	42.1	55.4	48.9	8.9	25.0	17.9	5.6	13.0	9.4
6/17/2003	55.9	73.0	63.1	48.2	55.4	52.2	13.3	22.8	17.3	9.0	13.0	11.2
6/18/2003	55.4	64.9	59.7	54.0	61.0	57.4	13.0	18.3	15.4	12.2	16.1	14.1
6/19/2003	59.0	77.0	65.3	59.0	64.0	61.2	15.0	25.0	18.5	15.0	17.8	16.2
6/20/2003	57.2	70.0	63.0	51.1	59.0	55.6	14.0	21.1	17.2	10.6	15.0	13.1
6/21/2003	55.0	66.0	58.6	53.6	61.0	56.1	12.8	18.9	14.8	12.0	16.1	13.4
6/22/2003	57.2	73.9	62.1	53.1	66.2	57.7	14.0	23.3	16.7	11.7	19.0	14.3

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
6/23/2003	57.9	89.1	71.1	26.6	66.9	48.4	14.4	31.7	21.7	-3.0	19.4	9.1
6/24/2003	57.0	91.0	72.7	26.1	59.0	43.3	13.9	32.8	22.6	-3.3	15.0	6.3
6/25/2003	57.0	90.0	73.9	39.0	63.0	54.1	13.9	32.2	23.3	3.9	17.2	12.3
6/26/2003	66.0	90.0	77.4	52.0	69.8	63.1	18.9	32.2	25.2	11.1	21.0	17.3
6/27/2003	64.9	82.9	73.6	44.6	69.1	60.6	18.3	28.3	23.1	7.0	20.6	15.9
6/28/2003	55.0	81.0	67.5	46.0	57.9	53.2	12.8	27.2	19.7	7.8	14.4	11.8
6/29/2003	60.1	82.9	71.8	51.1	63.0	57.2	15.6	28.3	22.1	10.6	17.2	14.0
6/30/2003	63.0	80.1	70.0	55.0	66.2	62.1	17.2	26.7	21.1	12.8	19.0	16.7
7/1/2003	57.2	82.9	66.7	54.0	61.0	58.6	14.0	28.3	19.3	12.2	16.1	14.8
7/2/2003	60.1	84.0	71.6	59.0	64.4	61.5	15.6	28.9	22.0	15.0	18.0	16.4
7/3/2003	62.1	86.0	72.3	61.0	66.2	63.5	16.7	30.0	22.4	16.1	19.0	17.5
7/4/2003	64.9	91.4	76.8	64.0	68.0	66.4	18.3	33.0	24.9	17.8	20.0	19.1
7/5/2003	69.1	88.0	78.6	61.0	69.1	66.0	20.6	31.1	25.9	16.1	20.6	18.9
7/6/2003	68.0	90.0	79.2	57.0	69.1	65.1	20.0	32.2	26.2	13.9	20.6	18.4
7/7/2003	68.0	82.9	75.9	66.0	73.0	68.5	20.0	28.3	24.4	18.9	22.8	20.3
7/8/2003	71.1	91.0	78.6	66.0	70.0	67.8	21.7	32.8	25.9	18.9	21.1	19.9
7/9/2003	66.9	84.9	73.0	57.2	69.8	64.6	19.4	29.4	22.8	14.0	21.0	18.1
7/10/2003	57.2	71.1	64.0	57.0	64.4	59.9	14.0	21.7	17.8	13.9	18.0	15.5
7/11/2003	64.0	82.9	70.2	55.4	68.0	63.9	17.8	28.3	21.2	13.0	20.0	17.7
7/12/2003	57.9	79.0	69.4	54.0	60.8	57.0	14.4	26.1	20.8	12.2	16.0	13.9
7/13/2003	55.9	79.0	68.7	53.1	61.0	55.9	13.3	26.1	20.4	11.7	16.1	13.3
7/14/2003	55.9	82.0	69.3	55.0	61.0	57.4	13.3	27.8	20.7	12.8	16.1	14.1
7/15/2003	59.0	82.0	70.5	57.0	66.0	61.9	15.0	27.8	21.4	13.9	18.9	16.6
7/16/2003	71.1	84.9	76.3	57.9	71.6	66.2	21.7	29.4	24.6	14.4	22.0	19.0
7/17/2003	57.0	82.9	69.1	55.0	60.8	57.7	13.9	28.3	20.6	12.8	16.0	14.3
7/18/2003	66.0	79.0	69.4	61.0	69.8	65.7	18.9	26.1	20.8	16.1	21.0	18.7
7/19/2003	57.0	80.1	66.2	51.1	66.0	57.7	13.9	26.7	19.0	10.6	18.9	14.3
7/20/2003	53.6	81.0	65.7	53.1	62.6	56.5	12.0	27.2	18.7	11.7	17.0	13.6
7/21/2003	63.0	86.0	73.0	60.8	71.6	65.3	17.2	30.0	22.8	16.0	22.0	18.5
7/22/2003	62.6	75.0	67.3	61.0	69.8	64.4	17.0	23.9	19.6	16.1	21.0	18.0
7/23/2003	66.0	80.1	70.2	60.8	69.1	65.8	18.9	26.7	21.2	16.0	20.6	18.8
7/24/2003	66.2	77.0	69.8	60.1	66.0	63.5	19.0	25.0	21.0	15.6	18.9	17.5
7/25/2003	57.9	82.9	67.1	55.9	62.1	59.5	14.4	28.3	19.5	13.3	16.7	15.3
7/26/2003	59.0	82.9	68.4	57.2	64.0	60.8	15.0	28.3	20.2	14.0	17.8	16.0
7/27/2003	66.2	86.0	73.4	62.1	71.6	67.1	19.0	30.0	23.0	16.7	22.0	19.5
7/28/2003	64.4	80.1	71.1	54.0	71.6	65.1	18.0	26.7	21.7	12.2	22.0	18.4
7/29/2003	55.0	80.1	65.1	52.0	59.0	55.8	12.8	26.7	18.4	11.1	15.0	13.2
7/30/2003	55.9	82.0	68.0	55.0	63.0	57.9	13.3	27.8	20.0	12.8	17.2	14.4
7/31/2003	57.9	75.2	69.3	55.9	64.4	60.6	14.4	24.0	20.7	13.3	18.0	15.9
8/1/2003	66.0	75.9	69.8	64.0	71.6	67.3	18.9	24.4	21.0	17.8	22.0	19.6
8/2/2003	68.0	84.0	72.3	66.2	73.4	69.4	20.0	28.9	22.4	19.0	23.0	20.8
8/3/2003	66.2	81.0	72.3	66.2	73.9	69.1	19.0	27.2	22.4	19.0	23.3	20.6
8/4/2003	69.8	82.9	73.9	66.9	72.0	70.2	21.0	28.3	23.3	19.4	22.2	21.2
8/5/2003	66.2	79.0	72.0	66.0	72.0	68.9	19.0	26.1	22.2	18.9	22.2	20.5
8/6/2003	66.2	79.0	70.2	62.6	69.1	66.4	19.0	26.1	21.2	17.0	20.6	19.1
8/7/2003	64.0	82.9	70.5	64.0	69.8	65.8	17.8	28.3	21.4	17.8	21.0	18.8
8/8/2003	66.2	84.2	72.9	66.0	70.0	67.6	19.0	29.0	22.7	18.9	21.1	19.8

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
8/9/2003	69.1	78.1	72.3	68.0	73.4	70.5	20.6	25.6	22.4	20.0	23.0	21.4
8/10/2003	69.1	82.0	73.6	69.1	73.4	70.2	20.6	27.8	23.1	20.6	23.0	21.2
8/11/2003	66.2	77.0	69.6	64.9	71.6	67.8	19.0	25.0	20.9	18.3	22.0	19.9
8/12/2003	68.0	84.0	72.0	66.9	71.1	68.5	20.0	28.9	22.2	19.4	21.7	20.3
8/13/2003	66.2	89.6	74.7	66.0	73.4	68.9	19.0	32.0	23.7	18.9	23.0	20.5
8/14/2003	69.1	89.1	74.7	63.0	73.0	69.4	20.6	31.7	23.7	17.2	22.8	20.8
8/15/2003	66.0	87.1	74.1	63.0	71.1	67.1	18.9	30.6	23.4	17.2	21.7	19.5
8/16/2003	69.8	84.9	75.6	66.9	72.0	69.6	21.0	29.4	24.2	19.4	22.2	20.9
8/17/2003	66.0	82.4	70.9	60.1	69.8	66.0	18.9	28.0	21.6	15.6	21.0	18.9
8/18/2003	55.9	80.1	66.9	55.0	62.1	58.5	13.3	26.7	19.4	12.8	16.7	14.7
8/19/2003	59.0	82.0	66.7	57.2	64.0	59.7	15.0	27.8	19.3	14.0	17.8	15.4
8/20/2003	60.1	84.0	68.9	59.0	70.0	63.1	15.6	28.9	20.5	15.0	21.1	17.3
8/21/2003	64.4	87.1	72.5	64.4	70.0	66.7	18.0	30.6	22.5	18.0	21.1	19.3
8/22/2003	68.0	89.1	75.4	66.2	73.9	69.3	20.0	31.7	24.1	19.0	23.3	20.7
8/23/2003	62.1	81.0	71.1	45.0	66.0	57.6	16.7	27.2	21.7	7.2	18.9	14.2
8/24/2003	51.1	75.9	62.8	46.0	52.0	49.6	10.6	24.4	17.1	7.8	11.1	9.8
8/25/2003	60.1	87.1	70.0	50.0	66.2	58.8	15.6	30.6	21.1	10.0	19.0	14.9
8/26/2003	63.0	79.0	69.6	62.6	71.6	66.2	17.2	26.1	20.9	17.0	22.0	19.0
8/27/2003	64.4	84.9	70.2	64.0	69.1	66.0	18.0	29.4	21.2	17.8	20.6	18.9
8/28/2003	57.2	80.1	66.6	51.1	66.9	58.5	14.0	26.7	19.2	10.6	19.4	14.7
8/29/2003	57.9	84.0	68.7	55.4	73.9	63.0	14.4	28.9	20.4	13.0	23.3	17.2
8/30/2003	64.4	79.0	70.5	59.0	71.6	67.8	18.0	26.1	21.4	15.0	22.0	19.9
8/31/2003	50.0	72.0	58.8	46.4	61.0	52.3	10.0	22.2	14.9	8.0	16.1	11.3
9/1/2003	60.8	66.0	63.0	57.9	64.9	61.9	16.0	18.9	17.2	14.4	18.3	16.6
9/2/2003	62.6	69.1	65.1	60.1	66.2	63.7	17.0	20.6	18.4	15.6	19.0	17.6
9/3/2003	60.8	66.2	63.0	60.1	66.2	62.1	16.0	19.0	17.2	15.6	19.0	16.7
9/4/2003	64.4	75.9	68.2	62.6	68.0	66.0	18.0	24.4	20.1	17.0	20.0	18.9
9/5/2003	57.0	68.0	62.4	53.1	63.0	57.7	13.9	20.0	16.9	11.7	17.2	14.3
9/6/2003	51.1	73.9	57.6	51.1	62.1	53.4	10.6	23.3	14.2	10.6	16.7	11.9
9/7/2003	53.6	77.0	59.9	48.0	62.6	55.4	12.0	25.0	15.5	8.9	17.0	13.0
9/8/2003	57.0	79.0	63.9	55.9	63.0	59.2	13.9	26.1	17.7	13.3	17.2	15.1
9/9/2003	59.0	72.0	64.2	57.0	62.1	58.5	15.0	22.2	17.9	13.9	16.7	14.7
9/10/2003	50.0	77.0	59.9	50.0	61.0	53.6	10.0	25.0	15.5	10.0	16.1	12.0
9/11/2003	53.1	79.0	62.1	52.0	66.0	56.3	11.7	26.1	16.7	11.1	18.9	13.5
9/12/2003	55.4	73.0	63.5	51.1	64.0	56.7	13.0	22.8	17.5	10.6	17.8	13.7
9/13/2003	59.0	71.1	64.0	51.1	70.0	60.1	15.0	21.7	17.8	10.6	21.1	15.6
9/14/2003	77.0	77.0	77.0	64.4	64.9	64.6	25.0	25.0	25.0	18.0	18.3	18.1
9/15/2003	Bad or missing data											
9/16/2003	Bad or missing data											
9/17/2003	Bad or missing data											
9/18/2003	51.8	71.1	59.9	51.1	62.1	55.4	11.0	21.7	15.5	10.6	16.7	13.0
9/19/2003	66.0	71.1	68.0	59.0	66.9	63.7	18.9	21.7	20.0	15.0	19.4	17.6
9/20/2003	60.8	73.9	65.1	52.0	64.9	61.2	16.0	23.3	18.4	11.1	18.3	16.2
9/21/2003	50.0	72.0	57.6	50.0	57.2	52.7	10.0	22.2	14.2	10.0	14.0	11.5
9/22/2003	62.1	71.1	66.2	57.0	64.9	59.9	16.7	21.7	19.0	13.9	18.3	15.5
9/23/2003	57.2	71.6	65.8	48.0	66.2	60.8	14.0	22.0	18.8	8.9	19.0	16.0
9/24/2003	48.0	71.1	55.6	46.0	53.1	49.6	8.9	21.7	13.1	7.8	11.7	9.8

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
9/25/2003	53.1	66.0	60.3	48.9	60.8	55.0	11.7	18.9	15.7	9.4	16.0	12.8
9/26/2003	48.0	69.1	55.9	48.0	60.8	53.2	8.9	20.6	13.3	8.9	16.0	11.8
9/27/2003	63.0	78.1	69.1	57.2	63.0	62.1	17.2	25.6	20.6	14.0	17.2	16.7
9/28/2003	55.0	69.1	60.3	48.2	61.0	55.4	12.8	20.6	15.7	9.0	16.1	13.0
9/29/2003	50.0	59.0	54.9	44.1	48.9	46.2	10.0	15.0	12.7	6.7	9.4	7.9
9/30/2003	41.0	62.1	48.2	36.0	46.0	41.4	5.0	16.7	9.0	2.2	7.8	5.2
10/1/2003	48.0	55.0	50.7	37.0	48.2	43.9	8.9	12.8	10.4	2.8	9.0	6.6
10/2/2003	41.0	51.8	45.0	30.0	44.1	37.8	5.0	11.0	7.2	-1.1	6.7	3.2
10/3/2003	32.0	55.0	40.8	27.0	37.9	32.9	0.0	12.8	4.9	-2.8	3.3	0.5
10/4/2003	44.6	52.0	48.0	30.0	48.2	40.8	7.0	11.1	8.9	-1.1	9.0	4.9
10/5/2003	37.4	55.0	43.3	32.0	41.0	37.9	3.0	12.8	6.3	0.0	5.0	3.3
10/6/2003	33.8	57.0	40.5	30.9	39.9	35.1	1.0	13.9	4.7	-0.6	4.4	1.7
10/7/2003	33.8	63.0	42.4	33.1	46.4	37.6	1.0	17.2	5.8	0.6	8.0	3.1
10/8/2003	41.0	70.0	49.6	39.2	55.9	45.7	5.0	21.1	9.8	4.0	13.3	7.6
10/9/2003	48.2	77.0	55.4	48.2	59.0	52.5	9.0	25.0	13.0	9.0	15.0	11.4
10/10/2003	52.0	75.9	60.3	51.8	59.0	55.4	11.1	24.4	15.7	11.0	15.0	13.0
10/11/2003	48.2	73.9	55.6	48.2	59.0	51.4	9.0	23.3	13.1	9.0	15.0	10.8
10/12/2003	46.0	73.9	54.1	44.6	59.0	49.8	7.8	23.3	12.3	7.0	15.0	9.9
10/13/2003	46.0	70.0	57.4	44.1	57.0	47.7	7.8	21.1	14.1	6.7	13.9	8.7
10/14/2003	44.1	62.6	51.3	42.1	51.8	45.9	6.7	17.0	10.7	5.6	11.0	7.7
10/15/2003	51.1	57.2	54.1	28.9	53.6	45.3	10.6	14.0	12.3	-1.7	12.0	7.4
10/16/2003	35.6	59.0	47.7	33.1	41.0	37.6	2.0	15.0	8.7	0.6	5.0	3.1
10/17/2003	37.4	51.1	42.8	37.0	42.1	39.4	3.0	10.6	6.0	2.8	5.6	4.1
10/18/2003	39.0	54.0	44.1	35.1	41.0	38.7	3.9	12.2	6.7	1.7	5.0	3.7
10/19/2003	44.6	55.0	48.9	35.6	43.0	40.5	7.0	12.8	9.4	2.0	6.1	4.7
10/20/2003	33.8	60.1	41.9	32.0	42.8	36.3	1.0	15.6	5.5	0.0	6.0	2.4
10/21/2003	44.6	70.0	56.1	43.0	52.0	45.7	7.0	21.1	13.4	6.1	11.1	7.6
10/22/2003	39.2	57.0	47.8	26.6	46.0	39.9	4.0	13.9	8.8	-3.0	7.8	4.4
10/23/2003	37.0	42.1	38.8	19.4	27.0	23.2	2.8	5.6	3.8	-7.0	-2.8	-4.9
10/24/2003	33.1	52.0	39.9	19.9	34.0	27.9	0.6	11.1	4.4	-6.7	1.1	-2.3
10/25/2003	30.9	57.9	43.0	28.0	39.2	32.5	-0.6	14.4	6.1	-2.2	4.0	0.3
10/26/2003	52.0	64.0	58.1	39.9	57.0	49.8	11.1	17.8	14.5	4.4	13.9	9.9
10/27/2003	44.6	60.1	53.2	42.8	57.2	51.6	7.0	15.6	11.8	6.0	14.0	10.9
10/28/2003	33.8	53.1	40.5	33.1	42.1	36.3	1.0	11.7	4.7	0.6	5.6	2.4
10/29/2003	44.1	50.0	46.0	36.0	46.4	43.3	6.7	10.0	7.8	2.2	8.0	6.3
10/30/2003	33.8	60.1	44.6	32.0	41.0	35.4	1.0	15.6	7.0	0.0	5.0	1.9
10/31/2003	37.9	70.0	51.3	37.0	50.0	42.1	3.3	21.1	10.7	2.8	10.0	5.6
11/1/2003	46.4	72.0	55.8	46.0	62.1	51.6	8.0	22.2	13.2	7.8	16.7	10.9
11/2/2003	51.8	66.0	57.6	51.1	61.0	54.7	11.0	18.9	14.2	10.6	16.1	12.6
11/3/2003	53.1	70.0	57.2	53.1	61.0	55.6	11.7	21.1	14.0	11.7	16.1	13.1
11/4/2003	50.0	73.9	56.8	50.0	57.9	53.2	10.0	23.3	13.8	10.0	14.4	11.8
11/5/2003	57.0	63.0	58.3	53.6	57.9	56.5	13.9	17.2	14.6	12.0	14.4	13.6
11/6/2003	48.2	59.0	54.1	44.6	57.9	51.6	9.0	15.0	12.3	7.0	14.4	10.9
11/7/2003	41.0	54.0	47.7	24.8	46.0	37.4	5.0	12.2	8.7	-4.0	7.8	3.0
11/8/2003	30.2	48.0	38.8	7.0	26.1	18.5	-1.0	8.9	3.8	-13.9	-3.3	-7.5
11/9/2003	19.0	39.9	28.4	10.0	19.9	15.8	-7.2	4.4	-2.0	-12.2	-6.7	-9.0
11/10/2003	19.4	45.0	29.3	15.8	25.0	19.8	-7.0	7.2	-1.5	-9.0	-3.9	-6.8

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
11/11/2003	28.0	42.8	35.4	24.1	41.0	31.6	-2.2	6.0	1.9	-4.4	5.0	-0.2
11/12/2003	39.2	51.8	44.4	39.2	51.8	44.2	4.0	11.0	6.9	4.0	11.0	6.8
11/13/2003	35.1	57.2	46.0	19.4	53.6	35.8	1.7	14.0	7.8	-7.0	12.0	2.1
11/14/2003	33.8	42.8	36.3	17.1	30.2	21.7	1.0	6.0	2.4	-8.3	-1.0	-5.7
11/15/2003	37.9	51.1	43.5	19.9	36.0	30.4	3.3	10.6	6.4	-6.7	2.2	-0.9
11/16/2003	33.1	48.0	39.9	30.9	37.9	34.7	0.6	8.9	4.4	-0.6	3.3	1.5
11/17/2003	42.8	55.9	46.6	36.0	45.0	41.5	6.0	13.3	8.1	2.2	7.2	5.3
11/18/2003	33.8	51.8	41.2	33.8	46.9	39.6	1.0	11.0	5.1	1.0	8.3	4.2
11/19/2003	51.1	66.2	56.3	46.9	60.8	54.5	10.6	19.0	13.5	8.3	16.0	12.5
11/20/2003	39.9	55.9	47.7	32.0	55.9	39.7	4.4	13.3	8.7	0.0	13.3	4.3
11/21/2003	30.0	63.0	41.0	30.0	45.0	35.6	-1.1	17.2	5.0	-1.1	7.2	2.0
11/22/2003	35.6	60.1	43.0	35.6	45.0	40.1	2.0	15.6	6.1	2.0	7.2	4.5
11/23/2003	36.0	57.9	43.7	36.0	46.9	40.8	2.2	14.4	6.5	2.2	8.3	4.9
11/24/2003	37.4	57.0	48.2	35.6	50.0	43.5	3.0	13.9	9.0	2.0	10.0	6.4
11/25/2003	30.2	37.0	34.0	19.0	36.0	25.2	-1.0	2.8	1.1	-7.2	2.2	-3.8
11/26/2003	30.0	43.0	34.5	24.1	30.2	26.4	-1.1	6.1	1.4	-4.4	-1.0	-3.1
11/27/2003	30.0	50.0	39.9	28.4	37.4	32.7	-1.1	10.0	4.4	-2.0	3.0	0.4
11/28/2003	44.6	55.9	49.8	37.0	55.9	48.2	7.0	13.3	9.9	2.8	13.3	9.0
11/29/2003	37.0	46.0	39.6	19.9	44.1	30.6	2.8	7.8	4.2	-6.7	6.7	-0.8
11/30/2003	33.1	48.9	39.0	21.0	28.9	24.8	0.6	9.4	3.9	-6.1	-1.7	-4.0
12/1/2003	33.8	46.9	41.4	17.6	34.0	27.5	1.0	8.3	5.2	-8.0	1.1	-2.5
12/2/2003	24.8	34.0	30.4	3.0	28.0	16.3	-4.0	1.1	-0.9	-16.1	-2.2	-8.7
12/3/2003	19.0	34.0	24.3	7.0	15.8	11.3	-7.2	1.1	-4.3	-13.9	-9.0	-11.5
12/4/2003	17.1	33.1	22.8	14.0	21.2	16.5	-8.3	0.6	-5.1	-10.0	-6.0	-8.6
12/5/2003	23.0	37.4	30.9	19.9	30.2	24.4	-5.0	3.0	-0.6	-6.7	-1.0	-4.2
12/6/2003	23.0	32.0	26.8	17.1	32.0	24.1	-5.0	0.0	-2.9	-8.3	0.0	-4.4
12/7/2003	21.2	30.9	25.0	7.0	19.4	13.6	-6.0	-0.6	-3.9	-13.9	-7.0	-10.2
12/8/2003	12.9	32.0	22.3	8.1	21.2	13.3	-10.6	0.0	-5.4	-13.3	-6.0	-10.4
12/9/2003	27.0	35.6	30.9	17.1	24.1	21.6	-2.8	2.0	-0.6	-8.3	-4.4	-5.8
12/10/2003	35.1	48.2	37.4	23.0	37.9	28.2	1.7	9.0	3.0	-5.0	3.3	-2.1
12/11/2003	39.0	54.0	47.1	24.8	51.1	43.9	3.9	12.2	8.4	-4.0	10.6	6.6
12/12/2003	30.2	39.0	35.1	17.1	26.1	20.3	-1.0	3.9	1.7	-8.3	-3.3	-6.5
12/13/2003	23.0	30.9	28.0	6.8	18.0	12.4	-5.0	-0.6	-2.2	-14.0	-7.8	-10.9
12/14/2003	24.1	28.0	25.9	8.1	27.0	20.5	-4.4	-2.2	-3.4	-13.3	-2.8	-6.4
12/15/2003	26.1	37.0	30.0	23.0	30.9	25.9	-3.3	2.8	-1.1	-5.0	-0.6	-3.4
12/16/2003	19.0	37.9	29.5	17.1	28.0	23.2	-7.2	3.3	-1.4	-8.3	-2.2	-4.9
12/17/2003	25.0	34.0	32.0	21.2	33.8	30.0	-3.9	1.1	0.0	-6.0	1.0	-1.1
12/18/2003	27.0	30.2	29.1	19.0	24.8	20.8	-2.8	-1.0	-1.6	-7.2	-4.0	-6.2
12/19/2003	26.6	32.0	29.5	21.0	23.0	21.9	-3.0	0.0	-1.4	-6.1	-5.0	-5.6
12/20/2003	21.0	32.0	27.3	12.9	21.9	19.2	-6.1	0.0	-2.6	-10.6	-5.6	-7.1
12/21/2003	24.1	34.0	27.5	10.9	18.0	14.9	-4.4	1.1	-2.5	-11.7	-7.8	-9.5
12/22/2003	19.0	36.0	26.2	12.9	27.0	18.0	-7.2	2.2	-3.2	-10.6	-2.8	-7.8
12/23/2003	33.8	50.0	39.0	26.1	36.0	31.8	1.0	10.0	3.9	-3.3	2.2	-0.1
12/24/2003	37.4	50.0	43.7	30.0	48.2	40.1	3.0	10.0	6.5	-1.1	9.0	4.5
12/25/2003	28.0	39.0	33.8	18.0	36.0	26.1	-2.2	3.9	1.0	-7.8	2.2	-3.3
12/26/2003	30.0	43.0	34.0	18.0	27.0	22.6	-1.1	6.1	1.1	-7.8	-2.8	-5.2
12/27/2003	30.0	46.0	35.6	19.4	30.0	25.0	-1.1	7.8	2.0	-7.0	-1.1	-3.9

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
12/28/2003	21.2	45.0	28.6	21.0	30.9	25.5	-6.0	7.2	-1.9	-6.1	-0.6	-3.6
12/29/2003	23.0	46.0	30.6	21.0	32.0	26.1	-5.0	7.8	-0.8	-6.1	0.0	-3.3
12/30/2003	33.1	42.1	37.8	21.2	37.4	31.5	0.6	5.6	3.2	-6.0	3.0	-0.3
12/31/2003	27.0	45.0	37.8	21.9	27.0	31.5	-2.8	7.2	3.2	-5.6	-2.8	-0.3
1/1/2004	28.9	46.0	38.1	17.1	26.1	22.1	-1.7	7.8	3.4	-8.3	-3.3	-5.5
1/2/2004	32.0	37.9	35.2	25.0	36.0	31.5	0.0	3.3	1.8	-3.9	2.2	-0.3
1/3/2004	37.9	48.2	44.8	36.0	46.9	43.9	3.3	9.0	7.1	2.2	8.3	6.6
1/4/2004	35.6	46.4	43.2	33.1	46.4	41.2	2.0	8.0	6.2	0.6	8.0	5.1
1/5/2004	33.8	39.9	36.7	32.0	37.4	34.3	1.0	4.4	2.6	0.0	3.0	1.3
1/6/2004	19.4	37.4	30.0	1.4	33.1	19.0	-7.0	3.0	-1.1	-17.0	0.6	-7.2
1/7/2004	14.0	21.2	17.6	-2.0	10.0	2.7	-10.0	-6.0	-8.0	-18.9	-12.2	-16.3
1/8/2004	19.0	30.0	22.8	3.2	14.0	9.5	-7.2	-1.1	-5.1	-16.0	-10.0	-12.5
1/9/2004	5.0	27.0	16.2	-11.9	18.0	2.1	-15.0	-2.8	-8.8	-24.4	-7.8	-16.6
1/10/2004	-0.4	12.9	4.5	-11.9	-7.1	-8.9	-18.0	-10.6	-15.3	-24.4	-21.7	-22.7
1/11/2004	3.0	28.4	11.7	-7.1	7.0	0.5	-16.1	-2.0	-11.3	-21.7	-13.9	-17.5
1/12/2004	24.8	33.8	28.0	7.0	32.0	20.3	-4.0	1.0	-2.2	-13.9	0.0	-6.5
1/13/2004	23.0	37.0	34.0	5.0	30.9	23.5	-5.0	2.8	1.1	-15.0	-0.6	-4.7
1/14/2004	8.1	23.0	12.6	-5.8	9.0	2.5	-13.3	-5.0	-10.8	-21.0	-12.8	-16.4
1/15/2004	5.0	12.9	11.1	-11.2	9.0	3.9	-15.0	-10.6	-11.6	-24.0	-12.8	-15.6
1/16/2004	-0.4	23.0	8.2	-16.6	3.0	-7.8	-18.0	-5.0	-13.2	-27.0	-16.1	-22.1
1/17/2004	8.6	21.2	15.8	-0.9	17.6	6.4	-13.0	-6.0	-9.0	-18.3	-8.0	-14.2
1/18/2004	19.0	32.0	24.8	10.4	25.0	21.4	-7.2	0.0	-4.0	-12.0	-3.9	-5.9
1/19/2004	19.4	27.0	21.9	8.1	12.0	9.9	-7.0	-2.8	-5.6	-13.3	-11.1	-12.3
1/20/2004	19.4	27.0	22.1	3.9	10.9	7.2	-7.0	-2.8	-5.5	-15.6	-11.7	-13.8
1/21/2004	17.1	23.0	18.7	3.2	9.0	5.9	-8.3	-5.0	-7.4	-16.0	-12.8	-14.5
1/22/2004	18.0	33.1	23.4	-0.4	25.0	8.6	-7.8	0.6	-4.8	-18.0	-3.9	-13.0
1/23/2004	6.8	19.0	11.5	-8.0	1.9	-4.2	-14.0	-7.2	-11.4	-22.2	-16.7	-20.1
1/24/2004	8.1	19.9	12.0	-7.6	7.0	2.5	-13.3	-6.7	-11.1	-22.0	-13.9	-16.4
1/25/2004	1.0	16.0	7.9	-11.0	1.4	-5.1	-17.2	-8.9	-13.4	-23.9	-17.0	-20.6
1/26/2004	12.0	17.6	14.4	-2.2	14.0	9.0	-11.1	-8.0	-9.8	-19.0	-10.0	-12.8
1/27/2004	15.8	23.0	18.9	8.1	21.2	14.7	-9.0	-5.0	-7.3	-13.3	-6.0	-9.6
1/28/2004	21.0	26.1	22.3	7.0	21.2	17.1	-6.1	-3.3	-5.4	-13.9	-6.0	-8.3
1/29/2004	17.6	21.9	19.8	-2.9	10.9	3.9	-8.0	-5.6	-6.8	-19.4	-11.7	-15.6
1/30/2004	7.0	18.0	13.3	-2.9	3.9	-0.4	-13.9	-7.8	-10.4	-19.4	-15.6	-18.0
1/31/2004	10.4	21.0	14.4	0.0	7.0	2.8	-12.0	-6.1	-9.8	-17.8	-13.9	-16.2
2/1/2004	12.9	33.1	19.9	3.2	14.0	8.8	-10.6	0.6	-6.7	-16.0	-10.0	-12.9
2/2/2004	6.1	30.9	17.6	3.9	18.0	11.3	-14.4	-0.6	-8.0	-15.6	-7.8	-11.5
2/3/2004	18.0	33.8	28.0	14.0	32.0	25.0	-7.8	1.0	-2.2	-10.0	0.0	-3.9
2/4/2004	30.2	35.6	33.8	16.0	32.0	25.5	-1.0	2.0	1.0	-8.9	0.0	-3.6
2/5/2004	16.0	30.9	23.5	9.0	21.9	14.5	-8.9	-0.6	-4.7	-12.8	-5.6	-9.7
2/6/2004	24.8	37.0	28.9	21.0	33.8	25.9	-4.0	2.8	-1.7	-6.1	1.0	-3.4
2/7/2004	28.4	37.0	34.0	12.2	34.0	29.8	-2.0	2.8	1.1	-11.0	1.1	-1.2
2/8/2004	12.2	30.0	22.3	0.0	12.9	6.8	-11.0	-1.1	-5.4	-17.8	-10.6	-14.0
2/9/2004	8.1	36.0	19.9	3.9	21.2	10.4	-13.3	2.2	-6.7	-15.6	-6.0	-12.0
2/10/2004	26.1	41.0	34.9	19.0	26.1	21.4	-3.3	5.0	1.6	-7.2	-3.3	-5.9
2/11/2004	26.1	37.0	31.3	10.9	28.4	17.8	-3.3	2.8	-0.4	-11.7	-2.0	-7.9
2/12/2004	16.0	37.0	24.1	10.9	21.9	14.7	-8.9	2.8	-4.4	-11.7	-5.6	-9.6

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
2/13/2004	30.0	36.0	32.7	17.1	26.1	20.5	-1.1	2.2	0.4	-8.3	-3.3	-6.4
2/14/2004	25.0	35.1	30.2	16.0	19.4	18.0	-3.9	1.7	-1.0	-8.9	-7.0	-7.8
2/15/2004	15.1	30.9	22.6	-2.9	21.0	6.8	-9.4	-0.6	-5.2	-19.4	-6.1	-14.0
2/16/2004	1.0	26.1	11.7	-6.0	10.9	0.3	-17.2	-3.3	-11.3	-21.1	-11.7	-17.6
2/17/2004	7.0	30.9	17.8	3.0	12.2	7.0	-13.9	-0.6	-7.9	-16.1	-11.0	-13.9
2/18/2004	14.0	37.9	25.0	9.0	16.0	12.0	-10.0	3.3	-3.9	-12.8	-8.9	-11.1
2/19/2004	25.0	45.0	34.2	12.9	26.6	20.8	-3.9	7.2	1.2	-10.6	-3.0	-6.2
2/20/2004	23.0	44.1	33.1	21.0	28.4	25.0	-5.0	6.7	0.6	-6.1	-2.0	-3.9
2/21/2004	35.1	41.0	37.8	23.0	34.0	30.2	1.7	5.0	3.2	-5.0	1.1	-1.0
2/22/2004	32.0	41.0	35.6	17.6	26.1	20.8	0.0	5.0	2.0	-8.0	-3.3	-6.2
2/23/2004	21.2	39.0	30.2	15.1	21.2	18.1	-6.0	3.9	-1.0	-9.4	-6.0	-7.7
2/24/2004	24.8	33.1	30.6	19.0	30.9	27.3	-4.0	0.6	-0.8	-7.2	-0.6	-2.6
2/25/2004	15.1	37.9	26.4	7.0	19.9	12.9	-9.4	3.3	-3.1	-13.9	-6.7	-10.6
2/26/2004	15.8	41.0	27.3	12.0	21.2	15.4	-9.0	5.0	-2.6	-11.1	-6.0	-9.2
2/27/2004	21.2	45.0	31.5	6.8	18.0	12.7	-6.0	7.2	-0.3	-14.0	-7.8	-10.7
2/28/2004	21.0	50.0	32.9	14.0	28.0	19.0	-6.1	10.0	0.5	-10.0	-2.2	-7.2
2/29/2004	21.0	46.9	33.3	21.0	32.0	25.0	-6.1	8.3	0.7	-6.1	0.0	-3.9
3/1/2004	24.8	46.0	34.9	24.8	33.1	29.1	-4.0	7.8	1.6	-4.0	0.6	-1.6
3/2/2004	35.6	59.0	44.6	30.2	46.0	36.5	2.0	15.0	7.0	-1.0	7.8	2.5
3/3/2004	33.8	51.8	43.9	33.1	41.0	37.0	1.0	11.0	6.6	0.6	5.0	2.8
3/4/2004	35.6	51.1	40.5	35.6	44.6	39.2	2.0	10.6	4.7	2.0	7.0	4.0
3/5/2004	41.0	50.0	46.0	41.0	48.2	44.2	5.0	10.0	7.8	5.0	9.0	6.8
3/6/2004	44.1	55.9	47.1	30.2	54.0	45.3	6.7	13.3	8.4	-1.0	12.2	7.4
3/7/2004	39.0	52.0	43.3	26.1	41.0	31.1	3.9	11.1	6.3	-3.3	5.0	-0.5
3/8/2004	35.1	42.1	38.1	28.9	39.2	35.2	1.7	5.6	3.4	-1.7	4.0	1.8
3/9/2004	28.9	37.9	33.8	19.0	33.8	25.0	-1.7	3.3	1.0	-7.2	1.0	-3.9
3/10/2004	30.0	43.0	33.6	26.6	32.0	29.7	-1.1	6.1	0.9	-3.0	0.0	-1.3
3/11/2004	23.0	51.1	35.4	21.0	32.0	25.3	-5.0	10.6	1.9	-6.1	0.0	-3.7
3/12/2004	28.4	46.9	36.1	15.8	37.4	24.4	-2.0	8.3	2.3	-9.0	3.0	-4.2
3/13/2004	24.8	42.1	32.0	6.1	18.0	12.7	-4.0	5.6	0.0	-14.4	-7.8	-10.7
3/14/2004	23.0	45.0	32.5	6.1	33.8	17.2	-5.0	7.2	0.3	-14.4	1.0	-8.2
3/15/2004	32.0	53.1	43.5	17.1	42.8	30.2	0.0	11.7	6.4	-8.3	6.0	-1.0
3/16/2004	28.0	45.0	30.7	17.1	30.2	25.9	-2.2	7.2	-0.7	-8.3	-1.0	-3.4
3/17/2004	26.6	33.1	29.3	26.1	32.0	28.6	-3.0	0.6	-1.5	-3.3	0.0	-1.9
3/18/2004	23.0	39.0	30.4	19.0	30.9	25.7	-5.0	3.9	-0.9	-7.2	-0.6	-3.5
3/19/2004	30.0	39.0	33.4	18.0	32.0	27.5	-1.1	3.9	0.8	-7.8	0.0	-2.5
3/20/2004	23.0	45.0	33.8	19.0	41.0	27.0	-5.0	7.2	1.0	-7.2	5.0	-2.8
3/21/2004	32.0	42.1	38.1	15.8	39.9	33.6	0.0	5.6	3.4	-9.0	4.4	0.9
3/22/2004	19.4	34.0	27.3	-2.2	17.1	5.4	-7.0	1.1	-2.6	-19.0	-8.3	-14.8
3/23/2004	14.0	48.0	29.7	-2.0	16.0	9.7	-10.0	8.9	-1.3	-18.9	-8.9	-12.4
3/24/2004	24.1	57.0	39.4	16.0	33.8	23.4	-4.4	13.9	4.1	-8.9	1.0	-4.8
3/25/2004	42.1	57.0	48.6	34.0	45.0	41.2	5.6	13.9	9.2	1.1	7.2	5.1
3/26/2004	41.0	64.9	51.8	41.0	50.0	44.2	5.0	18.3	11.0	5.0	10.0	6.8
3/27/2004	50.0	68.0	56.3	45.0	57.2	51.3	10.0	20.0	13.5	7.2	14.0	10.7
3/28/2004	45.0	64.9	52.2	37.0	46.4	41.2	7.2	18.3	11.2	2.8	8.0	5.1
3/29/2004	44.1	60.1	50.5	28.4	44.1	34.5	6.7	15.6	10.3	-2.0	6.7	1.4
3/30/2004	33.8	54.0	42.6	17.1	37.9	29.8	1.0	12.2	5.9	-8.3	3.3	-1.2

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
3/31/2004	41.0	51.8	45.3	37.9	44.6	41.7	5.0	11.0	7.4	3.3	7.0	5.4
4/1/2004	44.6	55.0	48.4	42.1	48.2	45.7	7.0	12.8	9.1	5.6	9.0	7.6
4/2/2004	44.1	51.1	46.6	39.9	45.0	42.6	6.7	10.6	8.1	4.4	7.2	5.9
4/3/2004	41.0	50.0	44.8	35.6	42.1	38.5	5.0	10.0	7.1	2.0	5.6	3.6
4/4/2004	32.0	46.0	39.4	19.9	42.1	35.2	0.0	7.8	4.1	-6.7	5.6	1.8
4/5/2004	24.8	41.0	32.0	1.0	24.1	9.7	-4.0	5.0	0.0	-17.2	-4.4	-12.4
4/6/2004	27.0	55.9	39.7	3.9	21.2	10.9	-2.8	13.3	4.3	-15.6	-6.0	-11.7
4/7/2004	39.9	66.0	51.1	21.0	37.9	32.5	4.4	18.9	10.6	-6.1	3.3	0.3
4/8/2004	33.1	52.0	41.7	25.0	39.9	34.0	0.6	11.1	5.4	-3.9	4.4	1.1
4/9/2004	35.6	60.1	43.9	15.1	41.0	35.2	2.0	15.6	6.6	-9.4	5.0	1.8
4/10/2004	30.0	62.1	45.3	18.0	28.9	26.6	-1.1	16.7	7.4	-7.8	-1.7	-3.0
4/11/2004	37.9	55.0	44.4	21.9	34.0	28.0	3.3	12.8	6.9	-5.6	1.1	-2.2
4/12/2004	39.0	54.0	44.6	21.0	41.0	32.7	3.9	12.2	7.0	-6.1	5.0	0.4
4/13/2004	41.0	46.9	44.4	39.2	46.9	43.5	5.0	8.3	6.9	4.0	8.3	6.4
4/14/2004	42.1	46.9	45.5	28.4	46.9	41.5	5.6	8.3	7.5	-2.0	8.3	5.3
4/15/2004	37.0	55.9	46.6	15.8	28.9	24.1	2.8	13.3	8.1	-9.0	-1.7	-4.4
4/16/2004	28.9	66.9	46.0	17.1	27.0	22.5	-1.7	19.4	7.8	-8.3	-2.8	-5.3
4/17/2004	42.1	80.1	58.6	27.0	50.0	39.0	5.6	26.7	14.8	-2.8	10.0	3.9
4/18/2004	46.9	82.9	65.1	46.0	59.0	51.8	8.3	28.3	18.4	7.8	15.0	11.0
4/19/2004	55.4	84.2	72.1	39.2	59.0	51.3	13.0	29.0	22.3	4.0	15.0	10.7
4/20/2004	48.9	75.0	60.1	37.0	60.1	45.3	9.4	23.9	15.6	2.8	15.6	7.4
4/21/2004	51.1	71.1	60.4	37.0	57.9	47.1	10.6	21.7	15.8	2.8	14.4	8.4
4/22/2004	55.0	73.9	62.8	50.0	59.0	54.5	12.8	23.3	17.1	10.0	15.0	12.5
4/23/2004	51.1	61.0	53.8	48.2	59.0	51.8	10.6	16.1	12.1	9.0	15.0	11.0
4/24/2004	46.9	66.9	54.1	33.1	53.1	45.1	8.3	19.4	12.3	0.6	11.7	7.3
4/25/2004	44.1	60.1	47.1	28.4	44.1	36.7	6.7	15.6	8.4	-2.0	6.7	2.6
4/26/2004	46.4	55.0	50.4	43.0	53.1	48.6	8.0	12.8	10.2	6.1	11.7	9.2
4/27/2004	42.1	57.9	47.3	27.0	48.0	41.0	5.6	14.4	8.5	-2.8	8.9	5.0
4/28/2004	32.0	59.0	44.6	18.0	37.0	26.1	0.0	15.0	7.0	-7.8	2.8	-3.3
4/29/2004	41.0	81.0	58.8	28.0	51.1	40.1	5.0	27.2	14.9	-2.2	10.6	4.5
4/30/2004	54.0	77.0	66.9	45.0	55.4	50.7	12.2	25.0	19.4	7.2	13.0	10.4
5/1/2004	61.0	79.0	70.2	53.1	62.6	58.1	16.1	26.1	21.2	11.7	17.0	14.5
5/2/2004	62.6	77.0	68.4	59.0	66.2	63.7	17.0	25.0	20.2	15.0	19.0	17.6
5/3/2004	46.0	62.1	54.3	32.0	61.0	45.3	7.8	16.7	12.4	0.0	16.1	7.4
5/4/2004	37.9	61.0	48.9	27.0	33.1	29.8	3.3	16.1	9.4	-2.8	0.6	-1.2
5/5/2004	41.0	64.9	49.8	27.0	53.1	41.4	5.0	18.3	9.9	-2.8	11.7	5.2
5/6/2004	36.0	73.9	53.8	36.0	48.9	40.6	2.2	23.3	12.1	2.2	9.4	4.8
5/7/2004	55.4	75.9	61.9	44.1	63.0	55.4	13.0	24.4	16.6	6.7	17.2	13.0
5/8/2004	48.0	66.9	56.7	32.0	48.2	40.5	8.9	19.4	13.7	0.0	9.0	4.7
5/9/2004	50.0	73.0	57.9	43.0	60.8	50.2	10.0	22.8	14.4	6.1	16.0	10.1
5/10/2004	55.0	86.0	66.4	55.0	66.2	60.1	12.8	30.0	19.1	12.8	19.0	15.6
5/11/2004	60.8	84.0	71.6	60.1	64.9	62.4	16.0	28.9	22.0	15.6	18.3	16.9
5/12/2004	62.6	82.9	68.5	62.6	69.8	65.3	17.0	28.3	20.3	17.0	21.0	18.5
5/13/2004	60.8	86.0	69.3	60.8	66.9	63.7	16.0	30.0	20.7	16.0	19.4	17.6
5/14/2004	64.4	80.1	71.4	63.0	70.0	66.6	18.0	26.7	21.9	17.2	21.1	19.2
5/15/2004	62.6	81.0	69.8	62.1	68.0	65.1	17.0	27.2	21.0	16.7	20.0	18.4
5/16/2004	60.1	73.9	65.5	54.0	63.0	58.3	15.6	23.3	18.6	12.2	17.2	14.6

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
5/17/2004	53.1	79.0	62.6	53.1	64.4	57.4	11.7	26.1	17.0	11.7	18.0	14.1
5/18/2004	62.6	80.1	70.5	62.1	66.2	64.2	17.0	26.7	21.4	16.7	19.0	17.9
5/19/2004	60.8	73.9	65.7	55.9	66.9	62.8	16.0	23.3	18.7	13.3	19.4	17.1
5/20/2004	53.6	68.0	59.9	53.6	63.0	57.7	12.0	20.0	15.5	12.0	17.2	14.3
5/21/2004	64.0	81.0	67.6	62.1	69.8	64.8	17.8	27.2	19.8	16.7	21.0	18.2
5/22/2004	62.6	84.0	69.6	62.1	70.0	66.4	17.0	28.9	20.9	16.7	21.1	19.1
5/23/2004	62.6	87.1	71.8	62.6	69.1	65.1	17.0	30.6	22.1	17.0	20.6	18.4
5/24/2004	64.4	86.0	72.3	60.1	69.1	64.4	18.0	30.0	22.4	15.6	20.6	18.0
5/25/2004	55.9	79.0	67.3	52.0	63.0	56.5	13.3	26.1	19.6	11.1	17.2	13.6
5/26/2004	64.0	78.1	68.7	62.1	66.2	64.4	17.8	25.6	20.4	16.7	19.0	18.0
5/27/2004	57.2	73.9	64.4	55.0	66.2	60.6	14.0	23.3	18.0	12.8	19.0	15.9
5/28/2004	62.6	78.8	66.9	48.2	64.9	60.6	17.0	26.0	19.4	9.0	18.3	15.9
5/29/2004	46.0	66.9	57.2	34.0	48.0	39.0	7.8	19.4	14.0	1.1	8.9	3.9
5/30/2004	41.0	72.0	55.4	37.9	50.0	43.3	5.0	22.2	13.0	3.3	10.0	6.3
5/31/2004	54.0	66.9	58.1	48.9	57.0	52.7	12.2	19.4	14.5	9.4	13.9	11.5
6/1/2004	57.0	75.2	62.1	48.2	59.0	55.0	13.9	24.0	16.7	9.0	15.0	12.8
6/2/2004	53.1	72.0	61.7	52.0	59.0	54.5	11.7	22.2	16.5	11.1	15.0	12.5
6/3/2004	55.9	75.9	63.5	46.0	57.2	52.5	13.3	24.4	17.5	7.8	14.0	11.4
6/4/2004	46.9	71.1	60.6	41.0	55.4	47.8	8.3	21.7	15.9	5.0	13.0	8.8
6/5/2004	55.0	66.0	57.9	50.0	55.9	53.2	12.8	18.9	14.4	10.0	13.3	11.8
6/6/2004	53.1	66.0	57.9	48.9	55.9	52.7	11.7	18.9	14.4	9.4	13.3	11.5
6/7/2004	55.0	80.1	63.3	53.1	64.9	57.6	12.8	26.7	17.4	11.7	18.3	14.2
6/8/2004	57.2	84.9	66.7	57.0	66.0	60.3	14.0	29.4	19.3	13.9	18.9	15.7
6/9/2004	60.8	91.0	72.7	60.1	70.0	64.6	16.0	32.8	22.6	15.6	21.1	18.1
6/10/2004	61.0	84.0	68.0	57.2	70.0	63.0	16.1	28.9	20.0	14.0	21.1	17.2
6/11/2004	57.0	63.0	60.1	46.9	59.0	52.0	13.9	17.2	15.6	8.3	15.0	11.1
6/12/2004	46.4	73.9	56.5	39.9	54.0	47.3	8.0	23.3	13.6	4.4	12.2	8.5
6/13/2004	52.0	69.1	61.5	43.0	51.8	48.6	11.1	20.6	16.4	6.1	11.0	9.2
6/14/2004	64.0	82.0	69.8	52.0	69.1	60.6	17.8	27.8	21.0	11.1	20.6	15.9
6/15/2004	64.4	87.1	70.5	61.0	71.1	65.5	18.0	30.6	21.4	16.1	21.7	18.6
6/16/2004	62.6	84.9	69.8	61.0	71.6	64.8	17.0	29.4	21.0	16.1	22.0	18.2
6/17/2004	69.8	82.9	73.6	66.2	75.0	69.8	21.0	28.3	23.1	19.0	23.9	21.0
6/18/2004	69.1	84.9	73.4	68.0	72.0	69.3	20.6	29.4	23.0	20.0	22.2	20.7
6/19/2004	64.0	77.0	70.5	39.0	72.0	59.7	17.8	25.0	21.4	3.9	22.2	15.4
6/20/2004	48.9	72.0	60.3	41.0	48.2	44.1	9.4	22.2	15.7	5.0	9.0	6.7
6/21/2004	46.9	78.1	62.1	46.0	52.0	49.5	8.3	25.6	16.7	7.8	11.1	9.7
6/22/2004	64.4	82.0	69.8	52.0	70.0	63.7	18.0	27.8	21.0	11.1	21.1	17.6
6/23/2004	60.1	81.0	70.9	55.0	66.0	58.6	15.6	27.2	21.6	12.8	18.9	14.8
6/24/2004	54.0	82.9	66.4	53.6	61.0	57.7	12.2	28.3	19.1	12.0	16.1	14.3
6/25/2004	62.6	79.0	68.2	54.0	64.9	60.1	17.0	26.1	20.1	12.2	18.3	15.6
6/26/2004	61.0	75.0	66.4	48.2	64.9	57.9	16.1	23.9	19.1	9.0	18.3	14.4
6/27/2004	46.9	75.0	62.2	46.0	53.6	49.3	8.3	23.9	16.8	7.8	12.0	9.6
6/28/2004	52.0	71.1	60.8	51.1	63.0	56.5	11.1	21.7	16.0	10.6	17.2	13.6
6/29/2004	55.4	75.9	63.9	54.0	63.0	56.5	13.0	24.4	17.7	12.2	17.2	13.6
6/30/2004	55.9	81.0	66.9	55.0	64.4	57.7	13.3	27.2	19.4	12.8	18.0	14.3
7/1/2004	55.9	82.0	68.4	55.9	71.1	61.9	13.3	27.8	20.2	13.3	21.7	16.6
7/2/2004	57.9	84.9	71.8	57.9	66.0	61.9	14.4	29.4	22.1	14.4	18.9	16.6

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
7/3/2004	55.0	82.0	69.8	54.0	64.9	58.3	12.8	27.8	21.0	12.2	18.3	14.6
7/4/2004	64.0	79.0	72.1	62.1	71.6	65.7	17.8	26.1	22.3	16.7	22.0	18.7
7/5/2004	70.0	87.1	75.9	66.2	73.4	70.0	21.1	30.6	24.4	19.0	23.0	21.1
7/6/2004	64.0	82.0	72.5	55.4	69.1	60.1	17.8	27.8	22.5	13.0	20.6	15.6
7/7/2004	63.0	84.0	72.1	62.1	73.0	66.4	17.2	28.9	22.3	16.7	22.8	19.1
7/8/2004	66.2	82.0	70.5	59.0	72.0	66.7	19.0	27.8	21.4	15.0	22.2	19.3
7/9/2004	63.0	77.0	70.0	57.0	62.1	58.1	17.2	25.0	21.1	13.9	16.7	14.5
7/10/2004	55.4	81.0	66.7	55.4	66.2	59.2	13.0	27.2	19.3	13.0	19.0	15.1
7/11/2004	62.1	84.9	72.1	61.0	66.9	64.0	16.7	29.4	22.3	16.1	19.4	17.8
7/12/2004	68.0	80.1	70.2	66.0	70.0	67.8	20.0	26.7	21.2	18.9	21.1	19.9
7/13/2004	66.0	79.0	69.8	64.0	68.0	65.8	18.9	26.1	21.0	17.8	20.0	18.8
7/14/2004	66.2	75.9	70.0	64.4	69.8	67.5	19.0	24.4	21.1	18.0	21.0	19.7
7/15/2004	60.1	73.9	66.4	57.0	68.0	61.9	15.6	23.3	19.1	13.9	20.0	16.6
7/16/2004	62.6	80.1	68.0	57.0	66.9	61.7	17.0	26.7	20.0	13.9	19.4	16.5
7/17/2004	60.1	81.0	68.9	60.1	66.9	62.6	15.6	27.2	20.5	15.6	19.4	17.0
7/18/2004	64.9	75.0	68.4	63.0	66.9	64.6	18.3	23.9	20.2	17.2	19.4	18.1
7/19/2004	62.1	80.1	68.5	61.0	64.4	62.8	16.7	26.7	20.3	16.1	18.0	17.1
7/20/2004	62.6	82.0	69.8	60.1	64.4	62.8	17.0	27.8	21.0	15.6	18.0	17.1
7/21/2004	60.8	84.9	69.8	60.8	70.0	63.9	16.0	29.4	21.0	16.0	21.1	17.7
7/22/2004	66.0	87.1	75.2	66.0	71.6	68.7	18.9	30.6	24.0	18.9	22.0	20.4
7/23/2004	69.8	80.1	73.4	68.0	73.4	70.3	21.0	26.7	23.0	20.0	23.0	21.3
7/24/2004	60.1	75.9	67.8	45.0	68.0	56.7	15.6	24.4	19.9	7.2	20.0	13.7
7/25/2004	57.0	78.1	66.0	52.0	64.4	57.2	13.9	25.6	18.9	11.1	18.0	14.0
7/26/2004	64.0	72.0	67.5	60.1	66.2	63.7	17.8	22.2	19.7	15.6	19.0	17.6
7/27/2004	60.8	69.8	64.8	59.0	68.0	62.6	16.0	21.0	18.2	15.0	20.0	17.0
7/28/2004	66.2	78.8	69.6	62.1	66.9	66.0	19.0	26.0	20.9	16.7	19.4	18.9
7/29/2004	57.2	79.0	64.2	57.2	66.2	60.4	14.0	26.1	17.9	14.0	19.0	15.8
7/30/2004	62.6	82.0	70.0	60.8	71.6	65.1	17.0	27.8	21.1	16.0	22.0	18.4
7/31/2004	70.0	81.0	74.3	66.2	72.0	70.3	21.1	27.2	23.5	19.0	22.2	21.3
8/1/2004	69.1	84.9	74.5	68.0	71.6	69.3	20.6	29.4	23.6	20.0	22.0	20.7
8/2/2004	66.2	86.0	71.8	64.0	69.8	66.6	19.0	30.0	22.1	17.8	21.0	19.2
8/3/2004	64.4	89.1	72.7	60.8	69.8	65.5	18.0	31.7	22.6	16.0	21.0	18.6
8/4/2004	66.0	82.4	72.0	61.0	69.1	66.0	18.9	28.0	22.2	16.1	20.6	18.9
8/5/2004	63.0	75.0	68.0	51.8	68.0	60.4	17.2	23.9	20.0	11.0	20.0	15.8
8/6/2004	51.1	66.9	58.6	46.0	55.4	49.5	10.6	19.4	14.8	7.8	13.0	9.7
8/7/2004	53.1	66.0	59.2	46.0	55.9	50.7	11.7	18.9	15.1	7.8	13.3	10.4
8/8/2004	53.1	77.0	64.0	51.1	61.0	53.4	11.7	25.0	17.8	10.6	16.1	11.9
8/9/2004	53.6	81.0	65.5	48.0	60.8	55.2	12.0	27.2	18.6	8.9	16.0	12.9
8/10/2004	59.0	82.4	68.7	57.2	69.8	62.4	15.0	28.0	20.4	14.0	21.0	16.9
8/11/2004	64.4	82.4	69.3	57.9	66.9	64.6	18.0	28.0	20.7	14.4	19.4	18.1
8/12/2004	62.6	75.0	66.4	57.9	64.9	62.6	17.0	23.9	19.1	14.4	18.3	17.0
8/13/2004	62.1	77.0	65.7	60.8	64.4	62.2	16.7	25.0	18.7	16.0	18.0	16.8
8/14/2004	60.1	73.9	66.9	51.8	60.8	57.4	15.6	23.3	19.4	11.0	16.0	14.1
8/15/2004	60.1	79.0	67.3	57.0	61.0	59.0	15.6	26.1	19.6	13.9	16.1	15.0
8/16/2004	59.0	77.0	66.4	57.2	63.0	60.3	15.0	25.0	19.1	14.0	17.2	15.7
8/17/2004	57.2	77.0	63.7	55.4	63.0	57.9	14.0	25.0	17.6	13.0	17.2	14.4
8/18/2004	59.0	80.1	66.7	57.9	64.4	60.8	15.0	26.7	19.3	14.4	18.0	16.0

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
8/19/2004	64.0	77.0	69.8	61.0	68.0	64.4	17.8	25.0	21.0	16.1	20.0	18.0
8/20/2004	66.0	82.9	70.2	64.4	69.8	66.6	18.9	28.3	21.2	18.0	21.0	19.2
8/21/2004	64.4	71.1	68.5	57.0	68.0	64.8	18.0	21.7	20.3	13.9	20.0	18.2
8/22/2004	51.8	73.0	59.7	48.2	61.0	53.1	11.0	22.8	15.4	9.0	16.1	11.7
8/23/2004	53.1	82.0	60.4	51.8	66.0	55.8	11.7	27.8	15.8	11.0	18.9	13.2
8/24/2004	60.8	80.1	68.9	60.8	68.0	63.7	16.0	26.7	20.5	16.0	20.0	17.6
8/25/2004	68.0	77.0	71.2	61.0	68.0	64.6	20.0	25.0	21.8	16.1	20.0	18.1
8/26/2004	64.9	78.1	70.9	57.0	64.9	61.7	18.3	25.6	21.6	13.9	18.3	16.5
8/27/2004	71.1	82.9	75.4	64.0	70.0	67.3	21.7	28.3	24.1	17.8	21.1	19.6
8/28/2004	66.2	84.0	72.9	66.0	72.0	68.5	19.0	28.9	22.7	18.9	22.2	20.3
8/29/2004	68.0	86.0	74.8	66.2	72.0	69.6	20.0	30.0	23.8	19.0	22.2	20.9
8/30/2004	72.0	84.0	77.0	66.0	70.0	68.5	22.2	28.9	25.0	18.9	21.1	20.3
8/31/2004	68.0	80.1	72.7	55.0	69.8	61.7	20.0	26.7	22.6	12.8	21.0	16.5
9/1/2004	57.0	79.0	65.3	55.0	60.1	57.2	13.9	26.1	18.5	12.8	15.6	14.0
9/2/2004	53.6	77.0	63.1	50.0	59.0	54.9	12.0	25.0	17.3	10.0	15.0	12.7
9/3/2004	55.4	79.0	64.4	55.0	62.6	58.1	13.0	26.1	18.0	12.8	17.0	14.5
9/4/2004	59.0	82.9	66.6	57.2	66.2	61.0	15.0	28.3	19.2	14.0	19.0	16.1
9/5/2004	62.1	75.9	66.6	60.8	66.0	62.8	16.7	24.4	19.2	16.0	18.9	17.1
9/6/2004	60.1	75.0	66.0	53.1	61.0	56.1	15.6	23.9	18.9	11.7	16.1	13.4
9/7/2004	66.2	77.0	70.3	60.1	68.0	62.2	19.0	25.0	21.3	15.6	20.0	16.8
9/8/2004	66.2	73.0	69.4	64.4	69.8	66.9	19.0	22.8	20.8	18.0	21.0	19.4
9/9/2004	66.2	75.9	71.6	60.8	71.6	68.4	19.0	24.4	22.0	16.0	22.0	20.2
9/10/2004	60.1	78.1	67.5	55.0	62.1	59.2	15.6	25.6	19.7	12.8	16.7	15.1
9/11/2004	55.4	77.0	61.9	53.6	63.0	56.5	13.0	25.0	16.6	12.0	17.2	13.6
9/12/2004	57.0	75.9	66.0	55.0	63.0	59.7	13.9	24.4	18.9	12.8	17.2	15.4
9/13/2004	60.1	82.9	66.0	57.9	64.0	61.0	15.6	28.3	18.9	14.4	17.8	16.1
9/14/2004	55.9	73.4	64.8	55.0	63.0	59.4	13.3	23.0	18.2	12.8	17.2	15.2
9/15/2004	61.0	70.0	65.8	55.0	62.6	58.8	16.1	21.1	18.8	12.8	17.0	14.9
9/16/2004	63.0	73.9	67.5	60.1	64.4	62.4	17.2	23.3	19.7	15.6	18.0	16.9
9/17/2004	60.8	70.0	64.9	57.9	66.9	63.1	16.0	21.1	18.3	14.4	19.4	17.3
9/18/2004	57.0	69.1	61.3	41.0	59.0	53.2	13.9	20.6	16.3	5.0	15.0	11.8
9/19/2004	48.0	68.0	56.5	36.0	43.0	40.5	8.9	20.0	13.6	2.2	6.1	4.7
9/20/2004	42.1	70.0	53.2	39.9	55.0	43.5	5.6	21.1	11.8	4.4	12.8	6.4
9/21/2004	50.0	78.1	56.7	48.0	63.0	50.9	10.0	25.6	13.7	8.9	17.2	10.5
9/22/2004	51.1	82.0	59.2	48.2	62.1	53.1	10.6	27.8	15.1	9.0	16.7	11.7
9/23/2004	53.1	82.9	65.1	52.0	66.0	57.0	11.7	28.3	18.4	11.1	18.9	13.9
9/24/2004	59.0	80.1	64.6	57.2	64.9	61.5	15.0	26.7	18.1	14.0	18.3	16.4
9/25/2004	57.9	77.0	64.8	57.2	66.2	60.4	14.4	25.0	18.2	14.0	19.0	15.8
9/26/2004	55.9	73.0	65.5	51.1	66.0	56.3	13.3	22.8	18.6	10.6	18.9	13.5
9/27/2004	51.1	71.1	55.9	50.0	61.0	53.1	10.6	21.7	13.3	10.0	16.1	11.7
9/28/2004	62.6	69.1	63.9	60.1	63.0	62.1	17.0	20.6	17.7	15.6	17.2	16.7
9/29/2004	59.0	70.0	63.5	51.8	61.0	55.2	15.0	21.1	17.5	11.0	16.1	12.9
9/30/2004	55.4	66.9	59.7	45.0	57.2	53.8	13.0	19.4	15.4	7.2	14.0	12.1
10/1/2004	46.0	69.1	52.7	46.0	53.6	48.6	7.8	20.6	11.5	7.8	12.0	9.2
10/2/2004	55.0	69.1	63.7	51.1	63.0	58.8	12.8	20.6	17.6	10.6	17.2	14.9
10/3/2004	44.1	64.4	53.1	33.1	62.1	45.1	6.7	18.0	11.7	0.6	16.7	7.3
10/4/2004	42.8	70.0	48.7	42.1	51.1	44.6	6.0	21.1	9.3	5.6	10.6	7.0

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
10/5/2004	39.0	59.0	49.8	30.2	44.1	37.4	3.9	15.0	9.9	-1.0	6.7	3.0
10/6/2004	35.1	64.9	44.6	34.0	48.0	38.5	1.7	18.3	7.0	1.1	8.9	3.6
10/7/2004	41.0	73.9	52.9	39.0	55.9	44.4	5.0	23.3	11.6	3.9	13.3	6.9
10/8/2004	48.2	73.0	55.4	46.4	55.0	50.2	9.0	22.8	13.0	8.0	12.8	10.1
10/9/2004	51.1	69.1	59.5	48.2	55.4	52.0	10.6	20.6	15.3	9.0	13.0	11.1
10/10/2004	48.0	62.1	53.1	39.9	57.0	48.7	8.9	16.7	11.7	4.4	13.9	9.3
10/11/2004	46.4	57.9	52.2	35.6	41.0	37.8	8.0	14.4	11.2	2.0	5.0	3.2
10/12/2004	39.0	66.0	50.0	32.0	39.2	36.1	3.9	18.9	10.0	0.0	4.0	2.3
10/13/2004	35.6	61.0	46.8	35.1	46.9	39.4	2.0	16.1	8.2	1.7	8.3	4.1
10/14/2004	48.9	54.0	51.1	44.1	50.0	48.2	9.4	12.2	10.6	6.7	10.0	9.0
10/15/2004	50.0	60.8	54.5	46.4	55.9	51.4	10.0	16.0	12.5	8.0	13.3	10.8
10/16/2004	44.6	54.0	49.8	35.6	46.9	42.4	7.0	12.2	9.9	2.0	8.3	5.8
10/17/2004	42.1	48.9	45.3	30.2	37.0	33.1	5.6	9.4	7.4	-1.0	2.8	0.6
10/18/2004	44.1	55.4	48.0	33.1	44.6	37.0	6.7	13.0	8.9	0.6	7.0	2.8
10/19/2004	46.0	50.0	47.3	44.1	46.9	45.3	7.8	10.0	8.5	6.7	8.3	7.4
10/20/2004	46.4	48.2	47.5	44.6	46.4	45.9	8.0	9.0	8.6	7.0	8.0	7.7
10/21/2004	Bad or missing data											
10/22/2004	44.6	51.1	48.2	42.8	46.0	43.9	7.0	10.6	9.0	6.0	7.8	6.6
10/23/2004	35.1	55.0	41.9	35.1	43.0	38.7	1.7	12.8	5.5	1.7	6.1	3.7
10/24/2004	41.0	48.9	45.0	37.0	41.0	39.2	5.0	9.4	7.2	2.8	5.0	4.0
10/25/2004	46.0	61.0	49.6	41.0	48.9	44.6	7.8	16.1	9.8	5.0	9.4	7.0
10/26/2004	48.2	57.9	53.2	42.1	48.9	46.8	9.0	14.4	11.8	5.6	9.4	8.2
10/27/2004	42.1	62.1	48.2	39.9	46.0	43.2	5.6	16.7	9.0	4.4	7.8	6.2
10/28/2004	46.0	60.1	53.8	37.9	45.0	40.8	7.8	15.6	12.1	3.3	7.2	4.9
10/29/2004	39.2	55.4	47.5	37.0	50.0	42.6	4.0	13.0	8.6	2.8	10.0	5.9
10/30/2004	53.1	64.4	56.7	50.0	59.0	53.8	11.7	18.0	13.7	10.0	15.0	12.1
10/31/2004	57.0	66.9	63.1	39.0	59.0	48.9	13.9	19.4	17.3	3.9	15.0	9.4
11/1/2004	46.9	57.9	51.8	37.9	42.8	40.3	8.3	14.4	11.0	3.3	6.0	4.6
11/2/2004	46.9	64.0	53.6	37.4	53.6	41.9	8.3	17.8	12.0	3.0	12.0	5.5
11/3/2004	44.6	59.0	52.7	26.1	55.9	43.3	7.0	15.0	11.5	-3.3	13.3	6.3
11/4/2004	32.0	44.6	37.8	28.9	41.0	33.1	0.0	7.0	3.2	-1.7	5.0	0.6
11/5/2004	42.1	51.8	45.9	21.9	43.0	34.0	5.6	11.0	7.7	-5.6	6.1	1.1
11/6/2004	30.0	60.8	44.4	23.0	35.1	29.8	-1.1	16.0	6.9	-5.0	1.7	-1.2
11/7/2004	33.8	69.1	47.7	32.0	44.6	37.2	1.0	20.6	8.7	0.0	7.0	2.9
11/8/2004	37.0	62.1	44.8	12.9	42.1	25.2	2.8	16.7	7.1	-10.6	5.6	-3.8
11/9/2004	28.0	41.0	34.5	15.1	30.9	23.0	-2.2	5.0	1.4	-9.4	-0.6	-5.0
11/10/2004	23.0	45.0	32.7	19.0	26.1	21.2	-5.0	7.2	0.4	-7.2	-3.3	-6.0
11/11/2004	37.4	54.0	44.4	27.0	39.9	32.2	3.0	12.2	6.9	-2.8	4.4	0.1
11/12/2004	35.6	44.1	37.2	30.0	35.1	33.3	2.0	6.7	2.9	-1.1	1.7	0.7
11/13/2004	30.2	41.0	36.1	12.9	32.0	23.0	-1.0	5.0	2.3	-10.6	0.0	-5.0
11/14/2004	26.1	46.9	34.2	14.0	26.6	20.8	-3.3	8.3	1.2	-10.0	-3.0	-6.2
11/15/2004	24.8	54.0	36.0	21.2	34.0	25.9	-4.0	12.2	2.2	-6.0	1.1	-3.4
11/16/2004	30.2	57.0	41.4	24.1	33.1	28.4	-1.0	13.9	5.2	-4.4	0.6	-2.0
11/17/2004	35.1	54.0	43.9	28.9	43.0	34.7	1.7	12.2	6.6	-1.7	6.1	1.5
11/18/2004	44.6	52.0	47.5	42.1	48.9	45.7	7.0	11.1	8.6	5.6	9.4	7.6
11/19/2004	44.1	57.9	48.2	44.1	48.9	46.2	6.7	14.4	9.0	6.7	9.4	7.9
11/20/2004	46.0	51.1	47.7	42.1	46.4	44.8	7.8	10.6	8.7	5.6	8.0	7.1

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
11/21/2004	48.0	55.9	50.2	41.0	50.0	46.9	8.9	13.3	10.1	5.0	10.0	8.3
11/22/2004	36.0	48.9	41.7	35.1	41.0	36.7	2.2	9.4	5.4	1.7	5.0	2.6
11/23/2004	32.0	46.9	37.6	30.2	42.8	34.9	0.0	8.3	3.1	-1.0	6.0	1.6
11/24/2004	45.0	55.9	50.2	41.0	53.6	48.2	7.2	13.3	10.1	5.0	12.0	9.0
11/25/2004	35.6	63.0	54.1	19.4	57.9	48.0	2.0	17.2	12.3	-7.0	14.4	8.9
11/26/2004	30.2	42.1	35.2	15.1	24.8	20.3	-1.0	5.6	1.8	-9.4	-4.0	-6.5
11/27/2004	39.0	48.9	43.2	17.6	35.6	24.1	3.9	9.4	6.2	-8.0	2.0	-4.4
11/28/2004	44.1	54.0	50.4	30.0	50.0	43.9	6.7	12.2	10.2	-1.1	10.0	6.6
11/29/2004	35.1	44.1	39.2	23.0	30.0	25.7	1.7	6.7	4.0	-5.0	-1.1	-3.5
11/30/2004	34.0	46.9	39.0	28.0	32.0	30.0	1.1	8.3	3.9	-2.2	0.0	-1.1
12/1/2004	41.0	48.9	44.8	26.1	44.1	36.9	5.0	9.4	7.1	-3.3	6.7	2.7
12/2/2004	33.8	42.1	37.8	24.1	28.9	26.2	1.0	5.6	3.2	-4.4	-1.7	-3.2
12/3/2004	26.1	44.6	31.8	14.0	30.0	24.6	-3.3	7.0	-0.1	-10.0	-1.1	-4.1
12/4/2004	21.0	43.0	30.7	15.1	24.8	20.1	-6.1	6.1	-0.7	-9.4	-4.0	-6.6
12/5/2004	35.1	52.0	42.1	24.1	34.0	28.6	1.7	11.1	5.6	-4.4	1.1	-1.9
12/6/2004	28.9	37.4	33.8	21.2	37.4	29.7	-1.7	3.0	1.0	-6.0	3.0	-1.3
12/7/2004	37.9	44.6	41.2	37.0	42.8	39.0	3.3	7.0	5.1	2.8	6.0	3.9
12/8/2004	42.8	54.0	46.2	30.9	44.6	40.8	6.0	12.2	7.9	-0.6	7.0	4.9
12/9/2004	30.2	43.0	37.0	28.4	37.4	32.0	-1.0	6.1	2.8	-2.0	3.0	0.0
12/10/2004	39.2	45.0	42.4	37.4	42.8	40.6	4.0	7.2	5.8	3.0	6.0	4.8
12/11/2004	41.0	45.0	42.8	32.0	42.8	39.9	5.0	7.2	6.0	0.0	6.0	4.4
12/12/2004	35.1	41.0	37.6	26.1	32.0	29.3	1.7	5.0	3.1	-3.3	0.0	-1.5
12/13/2004	33.8	39.2	36.5	21.0	33.1	27.7	1.0	4.0	2.5	-6.1	0.6	-2.4
12/14/2004	24.8	33.8	30.6	10.0	28.0	19.0	-4.0	1.0	-0.8	-12.2	-2.2	-7.2
12/15/2004	19.4	34.0	25.9	5.0	19.0	13.3	-7.0	1.1	-3.4	-15.0	-7.2	-10.4
12/16/2004	17.1	37.0	26.6	12.9	19.9	16.0	-8.3	2.8	-3.0	-10.6	-6.7	-8.9
12/17/2004	26.6	37.4	35.1	14.0	27.0	19.2	-3.0	3.0	1.7	-10.0	-2.8	-7.1
12/18/2004	19.0	35.1	25.7	14.0	21.2	17.4	-7.2	1.7	-3.5	-10.0	-6.0	-8.1
12/19/2004	19.4	37.0	29.1	9.0	28.9	22.6	-7.0	2.8	-1.6	-12.8	-1.7	-5.2
12/20/2004	0.0	19.4	9.7	-13.0	12.2	-5.8	-17.8	-7.0	-12.4	-25.0	-11.0	-21.0
12/21/2004	9.0	32.0	18.7	-8.0	10.4	1.4	-12.8	0.0	-7.4	-22.2	-12.0	-17.0
12/22/2004	23.0	44.1	30.7	10.9	28.4	18.7	-5.0	6.7	-0.7	-11.7	-2.0	-7.4
12/23/2004	34.0	55.4	47.7	24.8	52.0	41.2	1.1	13.0	8.7	-4.0	11.1	5.1
12/24/2004	23.0	36.0	27.9	8.1	24.1	12.9	-5.0	2.2	-2.3	-13.3	-4.4	-10.6
12/25/2004	14.0	24.1	19.0	3.0	14.0	6.6	-10.0	-4.4	-7.2	-16.1	-10.0	-14.1
12/26/2004	12.2	27.0	18.1	8.1	12.9	10.0	-11.0	-2.8	-7.7	-13.3	-10.6	-12.2
12/27/2004	16.0	28.0	21.2	-7.1	15.1	3.7	-8.9	-2.2	-6.0	-21.7	-9.4	-15.7
12/28/2004	8.6	28.4	16.2	-4.0	10.4	5.2	-13.0	-2.0	-8.8	-20.0	-12.0	-14.9
12/29/2004	26.1	36.0	30.7	10.9	24.8	17.1	-3.3	2.2	-0.7	-11.7	-4.0	-8.3
12/30/2004	32.0	42.8	36.0	24.1	32.0	28.9	0.0	6.0	2.2	-4.4	0.0	-1.7
12/31/2004	41.0	48.9	36.0	30.9	39.2	28.9	5.0	9.4	2.2	-0.6	4.0	-1.7
1/1/2005	36.0	57.2	45.0	25.0	41.0	34.5	2.2	14.0	7.2	-3.9	5.0	1.4
1/2/2005	28.0	41.0	35.8	24.1	33.8	27.1	-2.2	5.0	2.1	-4.4	1.0	-2.7
1/3/2005	37.4	42.8	39.6	33.1	41.0	38.1	3.0	6.0	4.2	0.6	5.0	3.4
1/4/2005	39.2	46.0	42.3	37.0	42.8	39.7	4.0	7.8	5.7	2.8	6.0	4.3
1/5/2005	30.2	44.1	34.3	26.6	37.0	31.6	-1.0	6.7	1.3	-3.0	2.8	-0.2
1/6/2005	28.4	36.0	31.6	26.6	33.8	29.8	-2.0	2.2	-0.2	-3.0	1.0	-1.2

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
1/7/2005	28.4	39.0	33.8	18.0	33.8	24.3	-2.0	3.9	1.0	-7.8	1.0	-4.3
1/8/2005	28.9	37.9	34.2	23.0	34.0	30.2	-1.7	3.3	1.2	-5.0	1.1	-1.0
1/9/2005	32.0	37.0	33.4	24.1	28.9	26.4	0.0	2.8	0.8	-4.4	-1.7	-3.1
1/10/2005	34.0	41.0	36.7	26.6	33.8	29.8	1.1	5.0	2.6	-3.0	1.0	-1.2
1/11/2005	28.0	35.1	31.5	26.1	30.9	28.8	-2.2	1.7	-0.3	-3.3	-0.6	-1.8
1/12/2005	33.1	39.2	36.7	30.9	37.4	34.7	0.6	4.0	2.6	-0.6	3.0	1.5
1/13/2005	39.0	62.6	45.0	37.0	55.4	43.0	3.9	17.0	7.2	2.8	13.0	6.1
1/14/2005	33.8	64.4	47.8	17.1	55.9	41.5	1.0	18.0	8.8	-8.3	13.3	5.3
1/15/2005	19.4	33.1	25.5	5.0	19.0	11.3	-7.0	0.6	-3.6	-15.0	-7.2	-11.5
1/16/2005	21.0	28.4	25.2	14.0	24.8	19.8	-6.1	-2.0	-3.8	-10.0	-4.0	-6.8
1/17/2005	15.1	26.6	21.0	1.0	24.8	13.5	-9.4	-3.0	-6.1	-17.2	-4.0	-10.3
1/18/2005	6.1	15.1	10.0	-11.0	3.0	-6.0	-14.4	-9.4	-12.2	-23.9	-16.1	-21.1
1/19/2005	6.1	19.4	14.4	-9.0	14.0	5.4	-14.4	-7.0	-9.8	-22.8	-10.0	-14.8
1/20/2005	12.2	27.0	19.8	1.0	16.0	12.6	-11.0	-2.8	-6.8	-17.2	-8.9	-10.8
1/21/2005	5.0	21.0	11.8	-9.0	3.9	-3.3	-15.0	-6.1	-11.2	-22.8	-15.6	-19.6
1/22/2005	1.0	17.6	8.2	-8.0	14.0	0.7	-17.2	-8.0	-13.2	-22.2	-10.0	-17.4
1/23/2005	10.0	17.6	14.0	-7.6	15.8	5.9	-12.2	-8.0	-10.0	-22.0	-9.0	-14.5
1/24/2005	-2.0	17.6	9.7	-8.0	12.2	2.3	-18.9	-8.0	-12.4	-22.2	-11.0	-16.5
1/25/2005	17.1	30.9	24.3	10.0	21.0	16.3	-8.3	-0.6	-4.3	-12.2	-6.1	-8.7
1/26/2005	19.4	32.0	29.5	8.6	24.8	20.8	-7.0	0.0	-1.4	-13.0	-4.0	-6.2
1/27/2005	6.8	19.9	12.6	-6.0	8.1	-1.8	-14.0	-6.7	-10.8	-21.1	-13.3	-18.8
1/28/2005	-4.0	23.0	6.6	-9.0	5.0	-2.9	-20.0	-5.0	-14.1	-22.8	-15.0	-19.4
1/29/2005	1.0	27.0	11.1	-2.9	8.6	1.8	-17.2	-2.8	-11.6	-19.4	-13.0	-16.8
1/30/2005	24.1	39.0	28.9	7.0	19.9	14.9	-4.4	3.9	-1.7	-13.9	-6.7	-9.5
1/31/2005	12.2	34.0	23.5	10.0	17.1	14.2	-11.0	1.1	-4.7	-12.2	-8.3	-9.9
2/1/2005	10.0	36.0	20.7	6.1	19.9	12.6	-12.2	2.2	-6.3	-14.4	-6.7	-10.8
2/2/2005	10.0	37.9	21.2	6.8	19.0	13.5	-12.2	3.3	-6.0	-14.0	-7.2	-10.3
2/3/2005	21.0	36.0	27.9	14.0	27.0	17.4	-6.1	2.2	-2.3	-10.0	-2.8	-8.1
2/4/2005	28.0	46.9	35.1	17.1	27.0	24.4	-2.2	8.3	1.7	-8.3	-2.8	-4.2
2/5/2005	23.0	48.9	32.5	19.4	28.9	22.6	-5.0	9.4	0.3	-7.0	-1.7	-5.2
2/6/2005	21.0	50.0	32.9	19.0	28.0	24.1	-6.1	10.0	0.5	-7.2	-2.2	-4.4
2/7/2005	24.8	50.0	36.1	23.0	28.9	25.7	-4.0	10.0	2.3	-5.0	-1.7	-3.5
2/8/2005	33.8	43.0	38.1	26.1	37.0	31.5	1.0	6.1	3.4	-3.3	2.8	-0.3
2/9/2005	35.6	42.8	39.0	35.1	41.0	37.4	2.0	6.0	3.9	1.7	5.0	3.0
2/10/2005	30.2	41.0	37.0	17.6	39.9	32.7	-1.0	5.0	2.8	-8.0	4.4	0.4
2/11/2005	23.0	39.9	30.4	5.0	18.0	10.9	-5.0	4.4	-0.9	-15.0	-7.8	-11.7
2/12/2005	28.0	37.9	32.4	12.9	28.4	22.3	-2.2	3.3	0.2	-10.6	-2.0	-5.4
2/13/2005	26.6	39.0	32.5	7.0	24.1	14.7	-3.0	3.9	0.3	-13.9	-4.4	-9.6
2/14/2005	30.9	39.2	33.8	10.9	37.4	23.7	-0.6	4.0	1.0	-11.7	3.0	-4.6
2/15/2005	39.0	53.1	43.3	33.8	41.0	37.2	3.9	11.7	6.3	1.0	5.0	2.9
2/16/2005	34.0	50.0	40.6	21.9	37.9	34.0	1.1	10.0	4.8	-5.6	3.3	1.1
2/17/2005	26.1	37.0	30.6	14.0	28.4	21.7	-3.3	2.8	-0.8	-10.0	-2.0	-5.7
2/18/2005	19.4	28.0	23.4	1.9	21.0	8.2	-7.0	-2.2	-4.8	-16.7	-6.1	-13.2
2/19/2005	15.8	30.9	21.7	1.9	14.0	7.2	-9.0	-0.6	-5.7	-16.7	-10.0	-13.8
2/20/2005	24.8	33.8	29.7	12.0	26.6	17.8	-4.0	1.0	-1.3	-11.1	-3.0	-7.9
2/21/2005	30.0	34.0	30.9	26.1	32.0	28.2	-1.1	1.1	-0.6	-3.3	0.0	-2.1
2/22/2005	32.0	37.9	34.7	24.8	32.0	29.7	0.0	3.3	1.5	-4.0	0.0	-1.3

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
2/23/2005	28.4	37.0	32.7	12.9	32.0	24.8	-2.0	2.8	0.4	-10.6	0.0	-4.0
2/24/2005	21.2	30.9	25.0	12.0	21.9	16.7	-6.0	-0.6	-3.9	-11.1	-5.6	-8.5
2/25/2005	16.0	30.9	21.9	10.9	21.9	17.6	-8.9	-0.6	-5.6	-11.7	-5.6	-8.0
2/26/2005	17.6	37.0	24.4	6.8	28.4	17.6	-8.0	2.8	-4.2	-14.0	-2.0	-8.0
2/27/2005	14.0	33.1	23.9	6.1	12.9	8.1	-10.0	0.6	-4.5	-14.4	-10.6	-13.3
2/28/2005	26.1	30.9	28.8	8.1	28.4	19.4	-3.3	-0.6	-1.8	-13.3	-2.0	-7.0
3/1/2005	26.1	34.0	27.9	21.2	28.4	25.0	-3.3	1.1	-2.3	-6.0	-2.0	-3.9
3/2/2005	24.8	32.0	27.7	12.9	26.6	19.6	-4.0	0.0	-2.4	-10.6	-3.0	-6.9
3/3/2005	15.8	30.9	22.6	5.0	14.0	7.3	-9.0	-0.6	-5.2	-15.0	-10.0	-13.7
3/4/2005	10.0	32.0	22.1	3.9	12.2	8.1	-12.2	0.0	-5.5	-15.6	-11.0	-13.3
3/5/2005	8.6	41.0	23.7	6.1	19.4	10.8	-13.0	5.0	-4.6	-14.4	-7.0	-11.8
3/6/2005	15.1	45.0	28.9	10.0	28.9	18.3	-9.4	7.2	-1.7	-12.2	-1.7	-7.6
3/7/2005	28.0	55.9	39.6	26.6	37.4	29.3	-2.2	13.3	4.2	-3.0	3.0	-1.5
3/8/2005	19.4	46.9	30.7	-2.2	41.0	24.3	-7.0	8.3	-0.7	-19.0	5.0	-4.3
3/9/2005	15.1	26.1	19.4	-4.0	7.0	3.2	-9.4	-3.3	-7.0	-20.0	-13.9	-16.0
3/10/2005	8.6	28.9	20.5	1.9	10.9	6.8	-13.0	-1.7	-6.4	-16.7	-11.7	-14.0
3/11/2005	24.1	37.0	28.8	7.0	33.8	22.6	-4.4	2.8	-1.8	-13.9	1.0	-5.2
3/12/2005	19.9	34.0	30.4	17.1	33.8	25.7	-6.7	1.1	-0.9	-8.3	1.0	-3.5
3/13/2005	17.1	37.0	28.6	15.1	32.0	21.6	-8.3	2.8	-1.9	-9.4	0.0	-5.8
3/14/2005	19.9	36.0	28.6	9.0	19.9	12.7	-6.7	2.2	-1.9	-12.8	-6.7	-10.7
3/15/2005	23.0	41.0	30.6	8.1	15.1	12.0	-5.0	5.0	-0.8	-13.3	-9.4	-11.1
3/16/2005	19.9	43.0	29.8	10.9	19.9	15.6	-6.7	6.1	-1.2	-11.7	-6.7	-9.1
3/17/2005	23.0	48.0	32.5	14.0	24.8	18.7	-5.0	8.9	0.3	-10.0	-4.0	-7.4
3/18/2005	28.0	46.9	37.4	19.0	27.0	23.2	-2.2	8.3	3.0	-7.2	-2.8	-4.9
3/19/2005	25.0	50.0	36.3	19.9	30.2	22.6	-3.9	10.0	2.4	-6.7	-1.0	-5.2
3/20/2005	37.9	42.8	41.2	27.0	41.0	36.0	3.3	6.0	5.1	-2.8	5.0	2.2
3/21/2005	37.4	42.1	39.9	28.0	39.9	32.9	3.0	5.6	4.4	-2.2	4.4	0.5
3/22/2005	27.0	52.0	39.4	24.1	32.0	27.0	-2.8	11.1	4.1	-4.4	0.0	-2.8
3/23/2005	32.0	42.1	35.4	28.0	36.0	32.4	0.0	5.6	1.9	-2.2	2.2	0.2
3/24/2005	32.0	39.9	33.8	28.4	32.0	31.1	0.0	4.4	1.0	-2.0	0.0	-0.5
3/25/2005	35.6	46.0	38.8	28.0	35.1	32.7	2.0	7.8	3.8	-2.2	1.7	0.4
3/26/2005	28.9	43.0	35.8	26.1	33.1	28.8	-1.7	6.1	2.1	-3.3	0.6	-1.8
3/27/2005	37.0	46.4	40.8	32.0	37.4	33.3	2.8	8.0	4.9	0.0	3.0	0.7
3/28/2005	37.0	45.0	40.5	35.6	42.8	38.7	2.8	7.2	4.7	2.0	6.0	3.7
3/29/2005	42.1	55.0	45.7	35.6	43.0	40.1	5.6	12.8	7.6	2.0	6.1	4.5
3/30/2005	30.0	61.0	44.8	28.9	37.0	33.8	-1.1	16.1	7.1	-1.7	2.8	1.0
3/31/2005	41.0	54.0	47.8	33.1	39.9	35.8	5.0	12.2	8.8	0.6	4.4	2.1
4/1/2005	41.0	64.0	50.5	32.0	43.0	38.7	5.0	17.8	10.3	0.0	6.1	3.7
4/2/2005	46.0	57.9	47.8	35.1	46.9	44.4	7.8	14.4	8.8	1.7	8.3	6.9
4/3/2005	34.0	48.0	41.0	30.2	46.4	37.9	1.1	8.9	5.0	-1.0	8.0	3.3
4/4/2005	37.4	57.9	45.7	14.0	30.9	24.8	3.0	14.4	7.6	-10.0	-0.6	-4.0
4/5/2005	33.1	64.9	48.2	16.0	30.0	25.3	0.6	18.3	9.0	-8.9	-1.1	-3.7
4/6/2005	41.0	80.1	57.4	25.0	43.0	35.8	5.0	26.7	14.1	-3.9	6.1	2.1
4/7/2005	48.0	77.0	59.9	42.1	52.0	45.0	8.9	25.0	15.5	5.6	11.1	7.2
4/8/2005	44.1	64.9	54.5	26.1	53.1	36.9	6.7	18.3	12.5	-3.3	11.7	2.7
4/9/2005	35.1	66.0	50.9	14.0	33.1	26.1	1.7	18.9	10.5	-10.0	0.6	-3.3
4/10/2005	34.0	75.0	52.7	17.6	33.1	27.7	1.1	23.9	11.5	-8.0	0.6	-2.4

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
4/11/2005	46.9	66.0	54.9	3.2	32.0	17.8	8.3	18.9	12.7	-16.0	0.0	-7.9
4/12/2005	30.9	57.2	44.6	3.9	21.9	13.5	-0.6	14.0	7.0	-15.6	-5.6	-10.3
4/13/2005	30.0	60.1	46.0	9.0	26.1	20.7	-1.1	15.6	7.8	-12.8	-3.3	-6.3
4/14/2005	35.1	64.9	50.5	21.0	30.0	25.0	1.7	18.3	10.3	-6.1	-1.1	-3.9
4/15/2005	37.0	62.1	50.2	8.6	30.9	23.0	2.8	16.7	10.1	-13.0	-0.6	-5.0
4/16/2005	32.0	66.0	48.6	9.0	26.1	19.9	0.0	18.9	9.2	-12.8	-3.3	-6.7
4/17/2005	33.1	75.0	52.7	14.0	28.4	23.2	0.6	23.9	11.5	-10.0	-2.0	-4.9
4/18/2005	42.1	75.0	58.8	21.9	42.8	34.0	5.6	23.9	14.9	-5.6	6.0	1.1
4/19/2005	43.0	82.9	61.7	33.1	44.6	37.9	6.1	28.3	16.5	0.6	7.0	3.3
4/20/2005	51.1	82.0	68.2	42.1	48.9	46.2	10.6	27.8	20.1	5.6	9.4	7.9
4/21/2005	44.1	73.0	54.7	19.9	55.9	34.2	6.7	22.8	12.6	-6.7	13.3	1.2
4/22/2005	34.0	55.9	46.0	21.9	42.8	31.8	1.1	13.3	7.8	-5.6	6.0	-0.1
4/23/2005	44.1	59.0	50.0	41.0	53.6	47.3	6.7	15.0	10.0	5.0	12.0	8.5
4/24/2005	37.0	53.6	43.0	28.0	51.8	35.4	2.8	12.0	6.1	-2.2	11.0	1.9
4/25/2005	36.0	48.0	41.0	28.0	33.1	30.7	2.2	8.9	5.0	-2.2	0.6	-0.7
4/26/2005	35.1	69.1	50.2	30.9	37.9	34.2	1.7	20.6	10.1	-0.6	3.3	1.2
4/27/2005	53.1	64.4	58.3	30.0	48.9	41.2	11.7	18.0	14.6	-1.1	9.4	5.1
4/28/2005	46.0	57.9	51.1	26.1	37.9	33.4	7.8	14.4	10.6	-3.3	3.3	0.8
4/29/2005	34.0	55.9	45.3	28.0	39.2	32.4	1.1	13.3	7.4	-2.2	4.0	0.2
4/30/2005	48.0	57.0	52.2	39.0	55.4	48.0	8.9	13.9	11.2	3.9	13.0	8.9
5/1/2005	46.4	57.9	53.1	26.1	54.0	42.4	8.0	14.4	11.7	-3.3	12.2	5.8
5/2/2005	35.6	51.1	43.3	30.0	39.9	34.0	2.0	10.6	6.3	-1.1	4.4	1.1
5/3/2005	30.0	53.1	40.1	26.6	35.1	30.2	-1.1	11.7	4.5	-3.0	1.7	-1.0
5/4/2005	30.9	54.0	43.9	28.9	34.0	31.6	-0.6	12.2	6.6	-1.7	1.1	-0.2
5/5/2005	30.9	63.0	46.9	28.0	34.0	30.9	-0.6	17.2	8.3	-2.2	1.1	-0.6
5/6/2005	39.9	63.0	53.4	26.6	37.0	32.9	4.4	17.2	11.9	-3.0	2.8	0.5
5/7/2005	35.1	69.8	53.8	27.0	34.0	30.9	1.7	21.0	12.1	-2.8	1.1	-0.6
5/8/2005	46.4	70.0	59.7	26.1	33.8	29.8	8.0	21.1	15.4	-3.3	1.0	-1.2
5/9/2005	46.0	81.0	62.6	32.0	37.9	35.2	7.8	27.2	17.0	0.0	3.3	1.8
5/10/2005	51.1	78.1	64.2	36.0	51.8	46.9	10.6	25.6	17.9	2.2	11.0	8.3
5/11/2005	55.9	89.1	71.4	44.1	57.0	51.1	13.3	31.7	21.9	6.7	13.9	10.6
5/12/2005	48.2	78.1	58.8	8.1	54.0	36.5	9.0	25.6	14.9	-13.3	12.2	2.5
5/13/2005	34.0	66.9	49.5	10.9	35.1	26.6	1.1	19.4	9.7	-11.7	1.7	-3.0
5/14/2005	53.1	77.0	63.0	33.1	62.6	48.9	11.7	25.0	17.2	0.6	17.0	9.4
5/15/2005	62.1	73.0	65.7	39.9	64.4	54.7	16.7	22.8	18.7	4.4	18.0	12.6
5/16/2005	44.1	68.0	56.3	32.0	44.1	38.8	6.7	20.0	13.5	0.0	6.7	3.8
5/17/2005	42.1	64.9	54.5	30.0	39.0	34.9	5.6	18.3	12.5	-1.1	3.9	1.6
5/18/2005	39.9	69.1	55.0	26.6	37.4	33.4	4.4	20.6	12.8	-3.0	3.0	0.8
5/19/2005	41.0	70.0	56.3	27.0	42.8	34.7	5.0	21.1	13.5	-2.8	6.0	1.5
5/20/2005	50.0	64.0	55.6	39.0	52.0	46.8	10.0	17.8	13.1	3.9	11.1	8.2
5/21/2005	46.0	71.6	55.4	34.0	48.0	43.2	7.8	22.0	13.0	1.1	8.9	6.2
5/22/2005	51.8	63.0	55.8	39.0	48.0	42.6	11.0	17.2	13.2	3.9	8.9	5.9
5/23/2005	42.1	61.0	51.6	39.0	52.0	42.6	5.6	16.1	10.9	3.9	11.1	5.9
5/24/2005	51.1	59.0	53.2	44.6	51.8	48.6	10.6	15.0	11.8	7.0	11.0	9.2
5/25/2005	50.0	64.0	54.7	42.8	50.0	45.0	10.0	17.8	12.6	6.0	10.0	7.2
5/26/2005	48.0	77.0	62.2	33.8	48.9	44.2	8.9	25.0	16.8	1.0	9.4	6.8
5/27/2005	45.0	80.1	63.7	30.9	53.6	43.3	7.2	26.7	17.6	-0.6	12.0	6.3

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
5/28/2005	48.2	66.0	55.9	46.4	55.4	51.4	9.0	18.9	13.3	8.0	13.0	10.8
5/29/2005	46.0	66.9	54.5	44.1	52.0	48.7	7.8	19.4	12.5	6.7	11.1	9.3
5/30/2005	44.1	71.6	52.3	42.8	54.0	47.3	6.7	22.0	11.3	6.0	12.2	8.5
5/31/2005	50.0	73.9	57.2	46.0	53.1	50.5	10.0	23.3	14.0	7.8	11.7	10.3
6/1/2005	50.0	79.0	64.6	48.0	55.9	51.4	10.0	26.1	18.1	8.9	13.3	10.8
6/2/2005	55.0	77.0	67.3	46.4	55.9	52.3	12.8	25.0	19.6	8.0	13.3	11.3
6/3/2005	60.1	72.0	62.4	46.9	60.8	56.1	15.6	22.2	16.9	8.3	16.0	13.4
6/4/2005	60.8	72.0	63.3	59.0	64.4	60.8	16.0	22.2	17.4	15.0	18.0	16.0
6/5/2005	60.8	86.0	67.6	59.0	66.2	61.9	16.0	30.0	19.8	15.0	19.0	16.6
6/6/2005	62.6	84.0	68.9	62.6	70.0	65.1	17.0	28.9	20.5	17.0	21.1	18.4
6/7/2005	62.6	86.0	67.8	57.9	68.0	63.0	17.0	30.0	19.9	14.4	20.0	17.2
6/8/2005	60.1	90.0	75.0	59.0	66.9	63.1	15.6	32.2	23.9	15.0	19.4	17.3
6/9/2005	64.4	88.0	75.4	61.0	70.0	65.1	18.0	31.1	24.1	16.1	21.1	18.4
6/10/2005	73.0	84.0	77.2	63.0	71.1	68.7	22.8	28.9	25.1	17.2	21.7	20.4
6/11/2005	71.1	86.0	77.4	69.1	73.4	70.7	21.7	30.0	25.2	20.6	23.0	21.5
6/12/2005	71.6	88.0	76.5	64.0	73.0	70.3	22.0	31.1	24.7	17.8	22.8	21.3
6/13/2005	64.4	90.0	75.7	62.6	72.0	67.6	18.0	32.2	24.3	17.0	22.2	19.8
6/14/2005	71.1	91.9	81.7	64.4	72.0	67.8	21.7	33.3	27.6	18.0	22.2	19.9
6/15/2005	69.8	84.9	75.7	57.2	69.1	62.4	21.0	29.4	24.3	14.0	20.6	16.9
6/16/2005	64.4	73.9	67.8	50.0	63.0	60.4	18.0	23.3	19.9	10.0	17.2	15.8
6/17/2005	55.0	69.8	61.7	50.0	55.4	51.3	12.8	21.0	16.5	10.0	13.0	10.7
6/18/2005	55.0	66.9	62.2	51.8	57.2	54.1	12.8	19.4	16.8	11.0	14.0	12.3
6/19/2005	52.0	73.0	61.7	50.0	55.4	52.9	11.1	22.8	16.5	10.0	13.0	11.6
6/20/2005	53.6	78.1	65.1	50.0	57.9	54.1	12.0	25.6	18.4	10.0	14.4	12.3
6/21/2005	53.6	82.9	66.9	48.0	57.2	53.2	12.0	28.3	19.4	8.9	14.0	11.8
6/22/2005	60.8	79.0	69.6	44.6	60.1	57.4	16.0	26.1	20.9	7.0	15.6	14.1
6/23/2005	48.9	80.1	64.9	44.1	48.9	46.0	9.4	26.7	18.3	6.7	9.4	7.8
6/24/2005	52.0	89.1	69.6	48.9	60.1	53.2	11.1	31.7	20.9	9.4	15.6	11.8
6/25/2005	57.2	91.9	74.3	53.6	63.0	58.1	14.0	33.3	23.5	12.0	17.2	14.5
6/26/2005	66.2	93.9	78.6	61.0	69.8	65.1	19.0	34.4	25.9	16.1	21.0	18.4
6/27/2005	69.1	91.0	78.1	59.0	71.1	66.9	20.6	32.8	25.6	15.0	21.7	19.4
6/28/2005	71.1	93.0	80.2	64.0	69.1	66.9	21.7	33.9	26.8	17.8	20.6	19.4
6/29/2005	69.8	89.1	77.4	64.0	70.0	68.0	21.0	31.7	25.2	17.8	21.1	20.0
6/30/2005	68.0	91.0	75.6	57.0	66.9	65.1	20.0	32.8	24.2	13.9	19.4	18.4
7/1/2005	66.9	87.1	76.1	64.0	66.9	64.8	19.4	30.6	24.5	17.8	19.4	18.2
7/2/2005	64.9	82.0	73.0	46.0	66.0	54.3	18.3	27.8	22.8	7.8	18.9	12.4
7/3/2005	51.1	82.9	68.0	46.0	57.2	51.3	10.6	28.3	20.0	7.8	14.0	10.7
7/4/2005	66.9	88.0	76.8	54.0	63.0	57.6	19.4	31.1	24.9	12.2	17.2	14.2
7/5/2005	69.8	84.0	74.7	63.0	73.4	67.6	21.0	28.9	23.7	17.2	23.0	19.8
7/6/2005	66.9	81.0	71.4	62.6	68.0	66.4	19.4	27.2	21.9	17.0	20.0	19.1
7/7/2005	64.4	80.1	72.1	61.0	64.9	62.8	18.0	26.7	22.3	16.1	18.3	17.1
7/8/2005	66.0	73.9	68.9	61.0	66.2	64.2	18.9	23.3	20.5	16.1	19.0	17.9
7/9/2005	60.8	78.8	66.9	57.2	64.4	61.3	16.0	26.0	19.4	14.0	18.0	16.3
7/10/2005	60.1	90.0	72.7	48.9	64.9	58.5	15.6	32.2	22.6	9.4	18.3	14.7
7/11/2005	57.0	91.0	73.6	55.0	69.8	59.7	13.9	32.8	23.1	12.8	21.0	15.4
7/12/2005	66.9	91.0	78.6	63.0	71.6	67.3	19.4	32.8	25.9	17.2	22.0	19.6
7/13/2005	69.1	91.0	77.2	60.1	72.0	68.7	20.6	32.8	25.1	15.6	22.2	20.4

**Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew
Point Temperature Values (2000-2005)**

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
7/14/2005	68.0	86.0	75.0	66.0	70.0	67.6	20.0	30.0	23.9	18.9	21.1	19.8
7/15/2005	71.6	82.0	76.1	69.1	70.0	69.8	22.0	27.8	24.5	20.6	21.1	21.0
7/16/2005	73.0	82.4	76.1	69.8	75.2	71.4	22.8	28.0	24.5	21.0	24.0	21.9
7/17/2005	73.4	84.9	76.6	71.1	75.9	72.3	23.0	29.4	24.8	21.7	24.4	22.4
7/18/2005	73.0	90.0	77.5	70.0	73.9	72.3	22.8	32.2	25.3	21.1	23.3	22.4
7/19/2005	71.6	88.0	77.4	69.8	73.4	71.6	22.0	31.1	25.2	21.0	23.0	22.0
7/20/2005	66.0	88.0	76.3	59.0	72.0	65.1	18.9	31.1	24.6	15.0	22.2	18.4
7/21/2005	64.0	84.2	73.0	62.1	69.8	65.1	17.8	29.0	22.8	16.7	21.0	18.4
7/22/2005	68.0	87.1	73.8	64.9	71.1	68.4	20.0	30.6	23.2	18.3	21.7	20.2
7/23/2005	66.0	84.0	73.8	46.9	72.0	60.3	18.9	28.9	23.2	8.3	22.2	15.7
7/24/2005	55.9	84.0	69.1	51.1	62.6	56.8	13.3	28.9	20.6	10.6	17.0	13.8
7/25/2005	68.0	93.0	74.8	61.0	71.1	66.2	20.0	33.9	23.8	16.1	21.7	19.0
7/26/2005	64.0	93.0	77.5	62.1	73.9	67.6	17.8	33.9	25.3	16.7	23.3	19.8
7/27/2005	69.8	89.6	75.2	60.8	73.0	69.3	21.0	32.0	24.0	16.0	22.8	20.7
7/28/2005	59.0	79.0	69.6	54.0	60.1	56.7	15.0	26.1	20.9	12.2	15.6	13.7
7/29/2005	59.0	84.0	69.6	55.9	66.0	58.5	15.0	28.9	20.9	13.3	18.9	14.7
7/30/2005	59.0	84.9	71.8	55.0	64.4	59.4	15.0	29.4	22.1	12.8	18.0	15.2
7/31/2005	62.6	84.2	73.0	60.1	66.9	62.6	17.0	29.0	22.8	15.6	19.4	17.0
8/1/2005	66.0	89.1	72.5	60.1	69.1	64.9	18.9	31.7	22.5	15.6	20.6	18.3
8/2/2005	70.0	90.0	77.9	64.4	73.4	67.8	21.1	32.2	25.5	18.0	23.0	19.9
8/3/2005	68.0	91.9	78.4	64.0	73.9	68.5	20.0	33.3	25.8	17.8	23.3	20.3
8/4/2005	68.0	93.9	79.5	60.8	71.1	66.4	20.0	34.4	26.4	16.0	21.7	19.1
8/5/2005	71.1	86.0	76.3	57.2	71.1	68.2	21.7	30.0	24.6	14.0	21.7	20.1
8/6/2005	57.2	82.9	69.3	55.4	63.0	57.7	14.0	28.3	20.7	13.0	17.2	14.3
8/7/2005	62.6	86.0	72.5	60.1	68.0	63.0	17.0	30.0	22.5	15.6	20.0	17.2
8/8/2005	66.2	82.0	72.7	64.4	70.0	66.9	19.0	27.8	22.6	18.0	21.1	19.4
8/9/2005	68.0	82.9	72.9	63.0	69.8	66.9	20.0	28.3	22.7	17.2	21.0	19.4
8/10/2005	66.0	88.0	74.5	64.0	69.1	65.7	18.9	31.1	23.6	17.8	20.6	18.7
8/11/2005	69.8	88.0	77.2	64.9	71.6	67.5	21.0	31.1	25.1	18.3	22.0	19.7
8/12/2005	68.0	91.9	78.1	64.0	72.0	67.8	20.0	33.3	25.6	17.8	22.2	19.9
8/13/2005	69.1	96.1	79.0	66.0	73.4	69.3	20.6	35.6	26.1	18.9	23.0	20.7
8/14/2005	69.8	93.9	76.8	66.0	73.4	70.5	21.0	34.4	24.9	18.9	23.0	21.4
8/15/2005	68.0	81.0	73.6	60.1	72.0	62.6	20.0	27.2	23.1	15.6	22.2	17.0
8/16/2005	66.0	75.9	70.5	62.1	68.0	65.1	18.9	24.4	21.4	16.7	20.0	18.4
8/17/2005	64.4	84.0	71.1	55.0	66.2	62.6	18.0	28.9	21.7	12.8	19.0	17.0
8/18/2005	57.0	84.9	70.2	55.0	66.0	57.4	13.9	29.4	21.2	12.8	18.9	14.1
8/19/2005	66.0	79.0	70.5	59.0	68.0	64.0	18.9	26.1	21.4	15.0	20.0	17.8
8/20/2005	69.1	84.9	73.9	60.1	71.1	66.2	20.6	29.4	23.3	15.6	21.7	19.0
8/21/2005	73.0	89.1	80.1	51.1	72.0	65.3	22.8	31.7	26.7	10.6	22.2	18.5
8/22/2005	62.1	80.1	70.9	50.0	61.0	56.5	16.7	26.7	21.6	10.0	16.1	13.6
8/23/2005	54.0	73.9	65.5	52.0	55.9	54.1	12.2	23.3	18.6	11.1	13.3	12.3
8/24/2005	54.0	79.0	66.6	48.0	59.0	52.7	12.2	26.1	19.2	8.9	15.0	11.5
8/25/2005	52.0	80.1	65.1	48.9	59.0	52.9	11.1	26.7	18.4	9.4	15.0	11.6
8/26/2005	57.0	77.0	67.1	54.0	59.0	56.7	13.9	25.0	19.5	12.2	15.0	13.7
8/27/2005	57.9	79.0	67.1	52.0	63.0	57.9	14.4	26.1	19.5	11.1	17.2	14.4
8/28/2005	62.6	75.9	67.5	55.0	68.0	63.3	17.0	24.4	19.7	12.8	20.0	17.4
8/29/2005	64.4	78.1	68.7	64.0	71.6	66.0	18.0	25.6	20.4	17.8	22.0	18.9

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
8/30/2005	69.8	75.9	73.2	68.0	73.9	71.1	21.0	24.4	22.9	20.0	23.3	21.7
8/31/2005	68.0	79.0	74.8	64.4	73.4	70.7	20.0	26.1	23.8	18.0	23.0	21.5
9/1/2005	62.6	81.0	69.6	55.9	66.0	61.7	17.0	27.2	20.9	13.3	18.9	16.5
9/2/2005	59.0	84.9	67.3	50.0	63.0	58.1	15.0	29.4	19.6	10.0	17.2	14.5
9/3/2005	55.9	78.1	67.5	52.0	57.2	54.3	13.3	25.6	19.7	11.1	14.0	12.4
9/4/2005	55.0	79.0	64.9	48.9	59.0	55.2	12.8	26.1	18.3	9.4	15.0	12.9
9/5/2005	51.8	79.0	63.3	50.0	61.0	54.1	11.0	26.1	17.4	10.0	16.1	12.3
9/6/2005	53.6	80.1	61.9	51.1	62.1	55.0	12.0	26.7	16.6	10.6	16.7	12.8
9/7/2005	53.6	80.1	62.8	52.0	62.1	55.8	12.0	26.7	17.1	11.1	16.7	13.2
9/8/2005	53.6	79.0	62.1	51.8	61.0	55.4	12.0	26.1	16.7	11.0	16.1	13.0
9/9/2005	60.1	79.0	67.8	52.0	64.0	58.8	15.6	26.1	19.9	11.1	17.8	14.9
9/10/2005	53.1	80.1	64.0	44.1	61.0	53.6	11.7	26.7	17.8	6.7	16.1	12.0
9/11/2005	46.9	77.0	59.7	42.1	55.4	48.7	8.3	25.0	15.4	5.6	13.0	9.3
9/12/2005	50.0	84.9	62.8	48.0	64.4	53.4	10.0	29.4	17.1	8.9	18.0	11.9
9/13/2005	59.0	87.1	66.4	57.0	66.0	60.3	15.0	30.6	19.1	13.9	18.9	15.7
9/14/2005	55.4	84.9	64.2	54.0	68.0	59.2	13.0	29.4	17.9	12.2	20.0	15.1
9/15/2005	71.1	87.1	75.4	64.9	70.0	67.8	21.7	30.6	24.1	18.3	21.1	19.9
9/16/2005	68.0	82.9	72.7	64.0	71.6	66.9	20.0	28.3	22.6	17.8	22.0	19.4
9/17/2005	66.0	77.0	69.4	61.0	66.9	65.1	18.9	25.0	20.8	16.1	19.4	18.4
9/18/2005	59.0	79.0	65.1	55.9	63.0	59.7	15.0	26.1	18.4	13.3	17.2	15.4
9/19/2005	57.0	79.0	63.5	54.0	64.0	58.3	13.9	26.1	17.5	12.2	17.8	14.6
9/20/2005	64.0	79.0	69.4	59.0	64.0	61.5	17.8	26.1	20.8	15.0	17.8	16.4
9/21/2005	53.1	82.0	65.5	51.1	62.1	55.4	11.7	27.8	18.6	10.6	16.7	13.0
9/22/2005	51.8	82.9	62.2	50.0	64.4	55.4	11.0	28.3	16.8	10.0	18.0	13.0
9/23/2005	64.0	75.0	68.4	53.6	64.0	61.2	17.8	23.9	20.2	12.0	17.8	16.2
9/24/2005	48.0	73.0	58.8	44.1	54.0	46.9	8.9	22.8	14.9	6.7	12.2	8.3
9/25/2005	62.6	71.6	66.7	48.0	61.0	56.3	17.0	22.0	19.3	8.9	16.1	13.5
9/26/2005	68.0	71.6	70.2	61.0	68.0	64.6	20.0	22.0	21.2	16.1	20.0	18.1
9/27/2005	55.4	71.1	64.9	41.0	68.0	50.5	13.0	21.7	18.3	5.0	20.0	10.3
9/28/2005	44.6	72.0	52.0	42.8	50.0	45.5	7.0	22.2	11.1	6.0	10.0	7.5
9/29/2005	53.6	69.1	63.1	33.1	59.0	50.0	12.0	20.6	17.3	0.6	15.0	10.0
9/30/2005	39.2	64.9	49.6	35.1	46.4	40.3	4.0	18.3	9.8	1.7	8.0	4.6
10/1/2005	42.1	73.9	50.4	41.0	51.1	44.2	5.6	23.3	10.2	5.0	10.6	6.8
10/2/2005	48.0	78.1	55.9	46.4	62.1	51.1	8.9	25.6	13.3	8.0	16.7	10.6
10/3/2005	51.8	78.1	58.6	48.9	59.0	53.8	11.0	25.6	14.8	9.4	15.0	12.1
10/4/2005	50.0	70.0	56.5	48.2	60.8	53.2	10.0	21.1	13.6	9.0	16.0	11.8
10/5/2005	55.4	77.0	60.8	55.0	62.6	57.4	13.0	25.0	16.0	12.8	17.0	14.1
10/6/2005	53.6	73.4	61.3	53.6	64.0	57.7	12.0	23.0	16.3	12.0	17.8	14.3
10/7/2005	66.9	72.0	69.4	64.0	68.0	66.2	19.4	22.2	20.8	17.8	20.0	19.0
10/8/2005	50.0	71.1	60.1	46.0	66.9	56.8	10.0	21.7	15.6	7.8	19.4	13.8
10/9/2005	48.9	57.9	52.2	44.6	48.2	46.0	9.4	14.4	11.2	7.0	9.0	7.8
10/10/2005	51.1	60.8	54.9	46.9	55.9	50.4	10.6	16.0	12.7	8.3	13.3	10.2
10/11/2005	57.0	63.0	59.4	52.0	55.9	54.5	13.9	17.2	15.2	11.1	13.3	12.5
10/12/2005	55.4	61.0	58.5	50.0	57.2	55.0	13.0	16.1	14.7	10.0	14.0	12.8
10/13/2005	51.8	57.9	55.0	48.9	55.9	53.1	11.0	14.4	12.8	9.4	13.3	11.7
10/14/2005	55.4	64.9	57.6	55.0	59.0	55.9	13.0	18.3	14.2	12.8	15.0	13.3
10/15/2005	51.1	69.8	57.6	35.1	57.2	51.4	10.6	21.0	14.2	1.7	14.0	10.8

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
10/16/2005	50.0	60.1	55.0	36.0	44.1	41.0	10.0	15.6	12.8	2.2	6.7	5.0
10/17/2005	48.9	63.0	54.5	37.9	42.8	39.9	9.4	17.2	12.5	3.3	6.0	4.4
10/18/2005	44.6	70.0	52.2	35.1	50.0	44.4	7.0	21.1	11.2	1.7	10.0	6.9
10/19/2005	39.0	75.0	50.2	37.0	48.9	41.4	3.9	23.9	10.1	2.8	9.4	5.2
10/20/2005	39.0	63.0	49.8	32.0	46.9	36.7	3.9	17.2	9.9	0.0	8.3	2.6
10/21/2005	44.1	53.1	48.4	37.9	43.0	40.8	6.7	11.7	9.1	3.3	6.1	4.9
10/22/2005	44.6	52.0	46.9	39.0	46.4	44.4	7.0	11.1	8.3	3.9	8.0	6.9
10/23/2005	46.0	52.0	47.5	35.1	45.0	40.8	7.8	11.1	8.6	1.7	7.2	4.9
10/24/2005	37.0	46.0	41.7	35.6	42.8	39.0	2.8	7.8	5.4	2.0	6.0	3.9
10/25/2005	39.0	44.6	41.5	35.1	42.1	38.1	3.9	7.0	5.3	1.7	5.6	3.4
10/26/2005	39.2	50.0	42.4	33.1	37.9	34.7	4.0	10.0	5.8	0.6	3.3	1.5
10/27/2005	39.2	46.4	43.0	26.1	37.4	33.3	4.0	8.0	6.1	-3.3	3.0	0.7
10/28/2005	30.0	48.9	37.4	24.1	35.1	30.7	-1.1	9.4	3.0	-4.4	1.7	-0.7
10/29/2005	37.0	53.1	42.1	26.1	35.1	32.5	2.8	11.7	5.6	-3.3	1.7	0.3
10/30/2005	39.0	63.0	46.8	33.1	39.0	35.2	3.9	17.2	8.2	0.6	3.9	1.8
10/31/2005	32.0	64.9	41.5	30.2	41.0	35.4	0.0	18.3	5.3	-1.0	5.0	1.9
11/1/2005	33.8	66.0	42.8	33.1	48.2	37.9	1.0	18.9	6.0	0.6	9.0	3.3
11/2/2005	41.0	57.2	48.4	30.0	48.9	40.5	5.0	14.0	9.1	-1.1	9.4	4.7
11/3/2005	30.2	72.0	40.3	30.0	42.8	33.4	-1.0	22.2	4.6	-1.1	6.0	0.8
11/4/2005	33.8	69.1	43.7	33.1	46.9	38.1	1.0	20.6	6.5	0.6	8.3	3.4
11/5/2005	44.6	70.0	53.1	42.8	55.0	46.8	7.0	21.1	11.7	6.0	12.8	8.2
11/6/2005	46.9	69.8	56.7	46.0	53.6	50.5	8.3	21.0	13.7	7.8	12.0	10.3
11/7/2005	46.0	61.0	54.1	30.0	42.1	35.6	7.8	16.1	12.3	-1.1	5.6	2.0
11/8/2005	35.6	61.0	45.3	33.1	44.6	37.4	2.0	16.1	7.4	0.6	7.0	3.0
11/9/2005	39.0	54.0	47.5	35.6	50.0	42.4	3.9	12.2	8.6	2.0	10.0	5.8
11/10/2005	42.1	53.6	49.5	24.8	53.6	41.0	5.6	12.0	9.7	-4.0	12.0	5.0
11/11/2005	35.6	48.0	42.1	25.0	30.2	27.7	2.0	8.9	5.6	-3.9	-1.0	-2.4
11/12/2005	26.6	55.9	36.7	24.8	33.8	28.6	-3.0	13.3	2.6	-4.0	1.0	-1.9
11/13/2005	33.1	60.8	45.9	28.0	35.6	32.2	0.6	16.0	7.7	-2.2	2.0	0.1
11/14/2005	42.1	60.1	52.7	25.0	39.9	33.6	5.6	15.6	11.5	-3.9	4.4	0.9
11/15/2005	39.9	53.6	45.9	30.9	51.8	42.3	4.4	12.0	7.7	-0.6	11.0	5.7
11/16/2005	44.6	66.9	58.3	37.4	60.8	53.1	7.0	19.4	14.6	3.0	16.0	11.7
11/17/2005	32.0	45.0	37.2	14.0	37.9	20.1	0.0	7.2	2.9	-10.0	3.3	-6.6
11/18/2005	24.8	35.1	31.1	16.0	21.2	18.0	-4.0	1.7	-0.5	-8.9	-6.0	-7.8
11/19/2005	30.0	46.9	35.8	19.0	24.1	21.2	-1.1	8.3	2.1	-7.2	-4.4	-6.0
11/20/2005	24.1	52.0	35.1	21.2	30.2	25.2	-4.4	11.1	1.7	-6.0	-1.0	-3.8
11/21/2005	26.6	43.0	34.3	24.8	33.1	28.6	-3.0	6.1	1.3	-4.0	0.6	-1.9
11/22/2005	33.8	46.0	39.9	15.8	37.0	30.7	1.0	7.8	4.4	-9.0	2.8	-0.7
11/23/2005	24.1	34.0	28.6	8.1	17.1	12.6	-4.4	1.1	-1.9	-13.3	-8.3	-10.8
11/24/2005	21.2	41.0	31.3	1.0	33.8	25.2	-6.0	5.0	-0.4	-17.2	1.0	-3.8
11/25/2005	15.8	30.0	21.2	1.0	12.0	7.0	-9.0	-1.1	-6.0	-17.2	-11.1	-13.9
11/26/2005	19.0	35.6	25.7	9.0	18.0	12.7	-7.2	2.0	-3.5	-12.8	-7.8	-10.7
11/27/2005	32.0	46.9	38.5	16.0	28.4	24.1	0.0	8.3	3.6	-8.9	-2.0	-4.4
11/28/2005	39.0	60.8	45.5	28.0	53.6	42.1	3.9	16.0	7.5	-2.2	12.0	5.6
11/29/2005	51.8	64.9	61.0	50.0	57.9	55.0	11.0	18.3	16.1	10.0	14.4	12.8
11/30/2005	39.0	52.0	45.1	26.1	51.1	41.2	3.9	11.1	7.3	-3.3	10.6	5.1
12/1/2005	30.0	39.0	35.4	23.0	28.9	25.3	-1.1	3.9	1.9	-5.0	-1.7	-3.7

Table 2.7-19 Williamsport, PA, Daily Average and Extreme Temperature and Dew Point Temperature Values (2000-2005)

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Date	Min T (°F)	Max T (°F)	Aver T (°F)	Min T _d (°F)	Max T _d (°F)	Aver T _d (°F)	Min T (°C)	Max T (°C)	Aver T (°C)	Min T _d (°C)	Max T _d (°C)	Aver T _d (°C)
12/2/2005	30.0	36.0	33.3	19.4	30.9	25.7	-1.1	2.2	0.7	-7.0	-0.6	-3.5
12/3/2005	24.1	30.9	27.1	12.9	23.0	17.8	-4.4	-0.6	-2.7	-10.6	-5.0	-7.9
12/4/2005	24.1	33.8	26.6	14.0	26.1	21.4	-4.4	1.0	-3.0	-10.0	-3.3	-5.9
12/5/2005	24.1	34.0	28.8	15.1	23.0	18.5	-4.4	1.1	-1.8	-9.4	-5.0	-7.5
12/6/2005	19.9	32.0	25.5	10.4	19.9	16.7	-6.7	0.0	-3.6	-12.0	-6.7	-8.5
12/7/2005	14.0	28.0	22.6	8.6	14.0	11.7	-10.0	-2.2	-5.2	-13.0	-10.0	-11.3
12/8/2005	10.9	28.0	20.7	7.0	14.0	10.9	-11.7	-2.2	-6.3	-13.9	-10.0	-11.7
12/9/2005	21.2	32.0	25.7	12.0	23.0	19.4	-6.0	0.0	-3.5	-11.1	-5.0	-7.0
12/10/2005	24.1	30.0	26.8	15.8	19.4	17.4	-4.4	-1.1	-2.9	-9.0	-7.0	-8.1
12/11/2005	12.9	30.0	20.1	10.0	21.9	14.7	-10.6	-1.1	-6.6	-12.2	-5.6	-9.6
12/12/2005	24.1	32.0	28.4	6.8	24.1	17.6	-4.4	0.0	-2.0	-14.0	-4.4	-8.0
12/13/2005	5.0	24.1	14.7	1.4	7.0	4.1	-15.0	-4.4	-9.6	-17.0	-13.9	-15.5
12/14/2005	-0.4	18.0	8.1	-5.8	5.0	0.9	-18.0	-7.8	-13.3	-21.0	-15.0	-17.3
12/15/2005	9.0	26.1	17.8	1.0	23.0	10.6	-12.8	-3.3	-7.9	-17.2	-5.0	-11.9
12/16/2005	25.0	37.4	32.5	23.0	32.0	29.5	-3.9	3.0	0.3	-5.0	0.0	-1.4
12/17/2005	19.9	33.1	28.0	17.1	28.4	21.0	-6.7	0.6	-2.2	-8.3	-2.0	-6.1
12/18/2005	15.8	30.2	21.0	12.2	19.9	16.3	-9.0	-1.0	-6.1	-11.0	-6.7	-8.7
12/19/2005	16.0	27.0	21.7	8.6	19.9	14.4	-8.9	-2.8	-5.7	-13.0	-6.7	-9.8
12/20/2005	14.0	23.0	18.3	3.0	10.0	5.5	-10.0	-5.0	-7.6	-16.1	-12.2	-14.7
12/21/2005	14.0	28.4	20.8	8.1	19.4	12.2	-10.0	-2.0	-6.2	-13.3	-7.0	-11.0
12/22/2005	26.1	34.0	28.6	15.8	21.9	18.5	-3.3	1.1	-1.9	-9.0	-5.6	-7.5
12/23/2005	26.1	41.0	31.3	21.0	26.1	23.5	-3.3	5.0	-0.4	-6.1	-3.3	-4.7
12/24/2005	21.9	46.0	31.1	21.0	28.0	24.3	-5.6	7.8	-0.5	-6.1	-2.2	-4.3
12/25/2005	19.4	37.4	29.1	17.6	35.6	27.1	-7.0	3.0	-1.6	-8.0	2.0	-2.7
12/26/2005	33.1	39.0	34.9	28.0	34.0	32.9	0.6	3.9	1.6	-2.2	1.1	0.5
12/27/2005	35.6	39.2	36.9	25.0	28.9	27.1	2.0	4.0	2.7	-3.9	-1.7	-2.7
12/28/2005	28.0	41.0	34.3	25.0	30.2	27.1	-2.2	5.0	1.3	-3.9	-1.0	-2.7
12/29/2005	35.1	42.8	37.6	30.9	39.2	36.0	1.7	6.0	3.1	-0.6	4.0	2.2
12/30/2005	34.0	43.0	39.0	24.1	39.0	30.4	1.1	6.1	3.9	-4.4	3.9	-0.9
12/31/2005	28.0	33.8	39.0	24.1	30.9	30.4	-2.2	1.0	3.9	-4.4	-0.6	-0.9

Table 2.7-20 SSES Monthly Mean Temperatures (2001-2006)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
°F	27.9	31.0	37.7	50.4	59.3	67.5	71.6	71.5	63.3	51.2	44.0	33.1	50.7
°C	-2.3	-0.6	3.2	10.2	15.2	19.7	22.0	21.9	17.4	10.7	6.7	0.6	10.4

Table 2.7-21 SSES Monthly Mean Extreme Maximum Temperatures (2001-2006)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
°F	35.7	35.5	40.3	51.6	66.4	71.1	73.6	73.2	67.0	53.8	46.9	38.7
°C	2.0	2.0	4.6	10.9	19.1	21.7	23.1	22.9	19.4	12.1	8.3	3.7

Table 2.7-22 SSES Monthly Mean Extreme Minimum Temperatures (2001-2006)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
°F	21.0	26.3	33.9	48.4	55.7	64.9	68.5	68.7	60.4	49.1	40.8	28.2
°C	-6.1	-3.2	1.1	9.1	13.1	18.3	20.3	20.4	15.8	9.5	4.9	-2.1

Table 2.7-23 SSES Monthly Mean Daily Maximum Temperatures (2001-2006)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
°F	34.6	38.8	46.2	60.8	69.1	77.3	81.6	81.6	73.2	60.4	53.0	40.0
°C	1.4	3.8	7.9	16.0	20.6	25.1	27.6	27.6	22.9	15.8	11.7	4.4

Table 2.7-24 SSES Monthly Mean Daily Minimum Temperatures (2001-2006)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
°F	21.2	23.4	29.3	40.1	49.3	58.3	62.3	62.5	54.3	42.8	35.9	26.4
°C	-6.0	-4.8	-1.5	4.5	9.6	14.6	16.8	16.9	12.4	6.0	2.1	-3.1

Table 2.7-25 SSES Maximum Hourly Temperatures (2001-2006)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
°F	65.1	63.6	74.7	90.3	92.6	92.4	93.4	96.8	92.6	81.3	73.8	69.8
°C	18.4	17.6	23.7	32.4	33.7	33.6	34.1	36.0	33.7	27.4	23.2	21.0

Table 2.7-26 SSES Minimum Hourly Temperatures (2001-2006)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
°F	-7.0	4.8	1.1	19.8	25.4	40.7	46.4	46.3	39.6	25.6	16.6	-3.1
°C	-21.7	-15.1	-17.2	-6.8	-3.7	4.8	8.0	7.9	4.2	-3.6	-8.6	-19.5

Table 2.7-27 SSES Monthly Mean Dew Point Temperatures (2001-2006)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
°F	15.5	15.7	21.6	30.9	42.3	53.7	56.8	56.8	49.5	37.4	31.2	19.8	35.9
°C	-9.2	-9.1	-5.8	-0.6	5.7	12.1	13.8	13.8	9.7	3.0	-0.4	-6.8	2.2

Table 2.7-28 Number of SSES Hourly Temperature Values Greater Than or Less Than Indicated Value and Percent Frequency of Occurrence (2001-2006)

Value	Number of Hours of Occurrence	Percent Frequency of Occurrence
≥ 95.0°F	13	0.025
≥ 90.0°F	192	0.368
≤ 32.0°F	9231	17.672
≤ 00.0°F	51	0.098

Table 2.7-29 SSES Monthly Mean Relative Humidity (2001-2006)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
%	58.2	52.0	52.6	49.6	56.7	63.2	61.3	61.7	62.8	60.3	60.3	56.7	58.0

Table 2.7-30 Monthly Mean Temperatures (1971-2000) for Sites Around Bell Bend Nuclear Power Plant

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre /Scranton, PA	°F	26.3	28.9	37.9	48.7	59.6	67.5	72.1	70.3	62.5	41.5	31.4	49.9
	°C	-3.2	-1.7	3.3	9.3	15.3	19.7	22.3	21.3	16.9	5.3	-0.3	9.9
Allentown, PA	°F	27.1	29.9	38.8	49.0	59.6	68.5	73.3	71.2	63.4	42.0	32.0	50.6
	°C	-2.7	-1.2	3.8	9.4	15.3	20.3	22.9	21.8	17.4	5.6	0.0	10.3
Williamsport, PA	°F	25.5	28.5	38.0	49.0	59.5	67.8	72.4	70.9	63.1	40.8	30.7	49.8
	°C	-3.6	-1.9	3.3	9.4	15.3	19.9	22.4	21.6	17.3	4.9	-0.7	9.9

Table 2.7-31 Monthly Mean Daily Maximum Temperatures (1971-2000) for Sites Around Bell Bend Nuclear Power Plant

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre /Scranton, PA	°F	34.1	37.3	47.3	59.2	70.8	82.6	80.5	72.4	61.2	49.3	38.6	59.3
	°C	1.2	2.9	8.5	15.1	21.6	28.1	26.9	22.4	16.2	9.6	3.7	15.2
Allentown, PA	°F	35.0	38.7	48.7	60.1	70.9	83.9	81.7	74.0	62.9	51.2	40.0	60.5
	°C	1.7	3.7	9.3	15.6	21.6	28.8	27.6	23.3	17.2	10.7	4.4	15.8
Williamsport, PA	°F	33.2	37.1	47.8	60.2	71.3	83.2	81.4	73.3	61.8	49.0	37.8	59.6
	°C	0.7	2.8	8.8	15.7	21.8	28.4	27.4	22.9	16.6	9.4	3.2	15.3

Table 2.7-32 Monthly Mean Daily Minimum Temperatures (1971-2000) for Sites Around Bell Bend Nuclear Power Plant

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre /Scranton, PA	°F	18.5	20.4	28.4	38.1	48.4	56.7	61.5	52.6	41.7	33.7	24.2	40.4
	°C	-7.5	-6.4	-2.0	3.4	9.1	13.7	16.4	15.6	11.4	0.9	-4.3	4.7
Allentown, PA	°F	19.1	21.0	28.9	37.8	48.3	57.7	62.6	52.7	41.1	32.7	24.0	40.6
	°C	-7.2	-6.1	-1.7	3.2	9.1	14.3	17.0	15.9	11.5	0.4	-4.4	4.8
Williamsport, PA	°F	17.9	19.9	28.2	37.8	47.8	56.8	61.7	52.8	40.9	32.7	23.7	40.1
	°C	-7.8	-6.7	-2.1	3.2	8.8	13.8	16.5	15.8	11.6	0.4	-4.6	4.5

Table 2.7-33 Monthly Mean Wet Bulb Temperatures (1978-2000) for Sites Around Bell Bend Nuclear Power Plant

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre /Scranton, PA	°F	24.2	25.8	32.3	42.2	52.2	61.0	63.8	57.3	46.5	37.7	28.3	44.7
	°C	-4.3	-3.4	0.2	5.7	11.2	16.1	17.7	14.1	8.1	3.2	-2.1	7.1
Allentown, PA	°F	26.1	27.7	34.3	44.0	53.8	62.9	66.0	59.3	48.3	39.2	29.9	46.6
	°C	-3.3	-2.4	1.3	6.7	12.1	17.2	18.9	15.2	9.1	4.0	-1.2	8.1
Williamsport, PA	°F	24.6	26.9	33.1	43.3	53.1	62.0	64.9	58.2	47.1	37.9	28.6	45.5
	°C	-4.1	-2.8	0.6	6.3	11.7	16.7	18.3	14.6	8.4	3.3	-1.9	7.5

Table 2.7-34 Monthly Mean Dew Point Temperatures (1978-2000) for Sites Around Bell Bend Nuclear Power Plant

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre /Scranton, PA	°F	18.8	19.2	25.2	34.9	46.5	56.8	60.3	53.8	41.9	32.4	23.0	39.5
	°C	-7.3	-7.1	-3.8	1.6	8.1	13.8	15.7	12.1	5.5	0.2	-5.0	4.2
Allentown, PA	°F	20.0	20.7	26.7	36.7	48.3	58.5	62.5	55.7	43.8	33.7	24.2	41.2
	°C	-6.7	-6.3	-2.9	2.6	9.1	14.7	16.9	13.2	6.6	0.9	-4.3	5.1
Williamsport, PA	°F	18.9	19.7	26.2	36.0	47.7	57.9	61.8	55.1	43.0	33.0	23.3	40.4
	°C	-7.3	-6.8	-3.2	2.2	8.7	14.4	16.6	12.8	6.1	0.6	-4.8	4.7

Table 2.7-35 Monthly Mean Relative Humidity (1971-2000) for Sites Around Bell Bend Nuclear Power Plant

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre /Scranton, PA	%	71	67	63	61	65	70	73	75	72	71	72	69
Allentown, PA	%	70	66	62	61	66	68	72	74	72	70	71	69
Williamsport, PA	%	70	67	63	61	67	71	76	78	75	72	72	70

Table 2.7-36 Daily Variation of Monthly Mean Relative Humidity (%) (1971-2000) for Sites Around Bell Bend Nuclear Power Plant

SITE	Time (LST)*	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/Scranton, PA	1	73	70	68	66	74	81	82	84	84	80	75	75	76
	7	76	75	74	72	77	83	84	87	88	84	79	77	80
	13	66	61	56	52	54	57	57	59	62	59	64	66	59
	19	68	63	58	54	57	62	63	66	71	67	68	69	64
Allentown, PA	1	74	72	69	69	76	81	82	84	86	83	77	76	77
	7	77	76	74	73	77	80	82	86	88	86	80	78	80
	13	62	57	52	49	53	55	54	56	58	56	58	62	56
	19	68	63	57	54	57	60	61	65	69	67	66	68	63
Williamsport, PA	1	74	73	71	71	81	87	88	90	90	85	79	76	80
	7	77	76	76	74	81	85	87	90	92	88	81	78	82
	13	62	57	52	48	52	56	56	58	61	58	61	63	57
	19	67	63	57	52	57	62	64	69	75	72	69	69	65

* LST = Local Standard Time

Table 2.7-37 Mean Number of Days with Maximum Hourly Temperature Value Greater than or Equal to 90°F (1971-2000) for Sites Around Bell Bend Nuclear Power Plant

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/Scranton, PA	0.0	0.0	0.0	0.1	0.3	1.0	3.6	2.0	0.4	0.0	0.0	0.0	7.4
Allentown, PA	0.0	0.0	0.0	0.2	0.7	2.6	6.5	3.6	0.8	0.0	0.0	0.0	14.4
Williamsport, PA	0.0	0.0	0.0	0.2	1.1	2.2	5.3	3.1	0.5	0.0	0.0	0.0	12.4

Table 2.7-38 Mean Number of Days with Maximum Hourly Temperature Value Less than or Equal to 32°F (1971-2000) for Sites Around Bell Bend Nuclear Power Plant

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/Scranton, PA	14.6	10.9	3.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.4	8.7	39.1
Allentown, PA	11.9	7.7	1.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.3	6.0	27.3
Williamsport, PA	13.2	8.5	2.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.6	7.2	31.5

* Between 0.00 and 0.05

Table 2.7-39 Mean Number of Days with Minimum Hourly Temperature Value Less than or Equal to 32°F (1971-2000) for Sites Around Bell Bend Nuclear Power Plant

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/Scranton, PA	27.7	24.0	20.5	8.4	0.5	0.0	0.0	0.0	0.1	4.4	13.7	24.6	123.9
Allentown, PA	27.5	23.3	18.4	5.8	0.2	0.0	0.0	0.0	0.1	3.5	13.6	24.5	116.9
Williamsport, PA	28.1	23.9	20.4	7.6	0.6	0.0	0.0	0.0	*	4.6	14.8	24.5	124.5

* Between 0.00 and 0.05

Table 2.7-40 Mean Number of Days with Minimum Hourly Temperature Value Less than or Equal to 0°F (1971-2000) for Sites Around Bell Bend Nuclear Power Plant

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/Scranton, PA	1.8	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.5
Allentown, PA	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.6
Williamsport, PA	2.0	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.0

Table 2.7-41 Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperature Values for Wilkes-Barre/Scranton, PA (1972-2001)

%	Jan		Feb		Mar		Apr		May		Jun	
	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB
0.4%	60.4°F	55.8°F	59.2°F	50.7°F	74.3°F	58.8°F	82.4°F	62.5°F	86.4°F	66.6°F	89.2°F	72.1°F
1%	15.8°C	13.2°C	15.1°C	10.4°C	23.5°C	14.9°C	28.0°C	16.9°C	30.2°C	19.2°C	31.8°C	22.3°C
2%	55.9°F	51.1°F	56.1°F	49.5°F	69.1°F	56.2°F	78.4°F	60.6°F	84.4°F	65.9°F	87.3°F	71.2°F
	13.3°C	10.6°C	13.4°C	9.7°C	20.6°C	13.4°C	25.8°C	15.9°C	29.1°C	18.8°C	30.7°C	21.8°C
2%	51.5°F	47.7°F	53.0°F	47.6°F	65.3°F	53.7°F	74.6°F	58.7°F	82.4°F	65.3°F	85.4°F	70.2°F
	10.8°C	8.7°C	11.7°C	8.7°C	18.5°C	12.1°C	23.7°C	14.8°C	28.0°C	18.5°C	29.7°C	21.2°C
%	Jul		Aug		Sep		Oct		Nov		Dec	
	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB
0.4%	93.0°F	73.5°F	90.8°F	73.5°F	85.9°F	70.5°F	77.0°F	64.1°F	70.0°F	60.0°F	61.6°F	55.3°F
1%	33.9°C	23.1°C	32.7°C	23.1°C	29.9°C	21.4°C	25.0°C	17.8°C	21.1°C	15.6°C	16.4°C	12.9°C
2%	90.5°F	73.1°F	88.7°F	72.5°F	83.7°F	69.0°F	74.7°F	63.2°F	66.5°F	59.0°F	58.0°F	52.6°F
	32.5°C	22.8°C	31.5°C	22.5°C	28.7°C	20.6°C	23.7°C	17.3°C	19.2°C	15.0°C	14.4°C	11.4°C
2%	88.6°F	72.6°F	86.6°F	71.5°F	81.6°F	68.6°F	72.2°F	61.9°F	64.3°F	57.7°F	54.9°F	50.7°F
	31.4°C	22.6°C	30.3°C	21.9°C	27.6°C	20.3°C	22.3°C	16.6°C	17.9°C	14.3°C	12.7°C	10.4°C

DB = Dry Bulb, MCWB = Mean Coincident Wet Bulb

Table 2.7-42 Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperature Values for Wilkes-Barre/Scranton, PA (1972-2001)

%	Jan		Feb		Mar		Apr		May		Jun	
	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB
0.4%	56.9°F	59.9°F	53.8°F	57.5°F	60.9°F	71.9°F	64.3°F	77.2°F	71.8°F	81.1°F	75.4°F	84.8°F
1%	13.8°C	15.5°C	12.1°C	14.2°C	16.1°C	22.2°C	17.9°C	25.1°C	22.1°C	27.3°C	24.1°C	29.3°C
2%	52.2°F	55.0°F	51.4°F	54.2°F	58.3°F	67.1°F	62.8°F	75.1°F	70.1°F	79.4°F	73.8°F	82.8°F
	11.2°C	12.8°C	10.8°C	12.3°C	14.6°C	19.5°C	17.1°C	23.9°C	21.2°C	26.3°C	23.2°C	28.2°C
2%	48.1°F	50.6°F	48.4°F	52.1°F	55.7°F	62.8°F	61.0°F	71.8°F	68.3°F	77.6°F	72.6°F	81.1°F
	8.9°C	10.3°C	9.1°C	11.2°C	13.2°C	17.1°C	16.1°C	22.1°C	20.2°C	25.3°C	22.6°C	27.3°C
%	Jul		Aug		Sep		Oct		Nov		Dec	
	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB
0.4%	77.4°F	87.6°F	76.0°F	85.8°F	73.5°F	81.2°F	67.5°F	72.9°F	62.6°F	67.0°F	57.1°F	60.7°F
1%	25.2°C	30.9°C	24.4°C	29.9°C	23.1°C	27.3°C	19.7°C	22.7°C	17.0°C	19.4°C	13.9°C	15.9°C
2%	76.2°F	85.8°F	74.9°F	84.2°F	72.3°F	80.0°F	65.8°F	70.6°F	61.0°F	65.1°F	54.1°F	57.1°F
	24.6°C	29.9°C	23.8°C	29.0°C	22.4°C	26.7°C	18.8°C	21.4°C	16.1°C	18.4°C	12.3°C	13.9°C
2%	75.1°F	84.1°F	74.0°F	83.0°F	71.1°F	78.4°F	64.3°F	69.3°F	59.0°F	63.3°F	51.1°F	53.7°F
	23.9°C	28.9°C	23.3°C	28.3°C	21.7°C	25.8°C	17.9°C	20.7°C	15.0°C	17.4°C	10.6°C	12.1°C

WB = Wet Bulb, MCDB = Mean Coincident Dry Bulb

Table 2.7-43 Monthly Design Dry Bulb and Mean Coincident Wet Bulb Temperature Values for Allentown, PA (1972-2001)

%	Jan		Feb		Mar		Apr		May		Jun	
	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB
0.4%	61.0°F	57.9°F	62.9°F	52.0°F	76.7°F	61.7°F	84.7°F	64.4°F	88.6°F	69.2°F	91.7°F	73.8°F
	16.1°C	14.4°C	17.2°C	11.1°C	24.8°C	16.5°C	29.3°C	18.0°C	31.4°C	20.7°C	33.2°C	23.2°C
	56.8°F	52.8°F	58.3°F	49.9°F	71.4°F	56.6°F	80.1°F	62.9°F	86.6°F	68.3°F	90.0°F	72.8°F
1%	13.8°C	11.6°C	14.6°C	9.9°C	21.9°C	13.7°C	26.7°C	17.2°C	30.3°C	20.2°C	32.2°C	22.7°C
	52.0°F	48.0°F	54.6°F	47.8°F	67.1°F	54.8°F	75.6°F	60.1°F	84.4°F	67.1°F	88.1°F	71.6°F
	11.1°C	8.9°C	12.6°C	8.8°C	19.5°C	12.7°C	24.2°C	15.6°C	29.1°C	19.5°C	31.2°C	22.0°C
%	Jul		Aug		Sep		Oct		Nov		Dec	
	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB	DB	MCWB
0.4%	95.3°F	75.4°F	93.0°F	74.4°F	89.5°F	72.5°F	79.3°F	66.1°F	71.9°F	61.9°F	63.5°F	57.4°F
	35.2°C	24.1°C	33.9°C	23.6°C	31.9°C	22.5°C	26.3°C	18.9°C	22.2°C	16.6°C	17.5°C	14.1°C
	93.4°F	75.1°F	91.0°F	74.0°F	86.5°F	70.5°F	76.6°F	64.7°F	68.8°F	60.6°F	59.5°F	54.5°F
1%	34.1°C	23.9°C	32.8°C	23.3°C	30.3°C	21.4°C	24.8°C	18.2°C	20.4°C	15.9°C	15.3°C	12.5°C
	91.4°F	74.4°F	89.1°F	73.4°F	84.1°F	70.1°F	74.4°F	63.9°F	66.1°F	59.4°F	56.0°F	52.0°F
	33.0°C	23.6°C	31.7°C	23.0°C	28.9°C	21.2°C	23.6°C	17.7°C	18.9°C	15.2°C	13.3°C	11.1°C
DB = Dry Bulb, MCWB = Mean Coincident Wet Bulb												

Table 2.7-44 Monthly Design Wet Bulb and Mean Coincident Dry Bulb Temperature Values for Allentown, PA (1972-2001)

%	Jan		Feb		Mar		Apr		May		Jun	
	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB
0.4%	58.5°F	60.6°F	55.4°F	59.7°F	63.4°F	75.5°F	66.4°F	80.0°F	72.8°F	83.4°F	77.1°F	87.1°F
	14.7°C	15.9°C	13.0°C	15.4°C	17.4°C	24.2°C	19.1°C	26.7°C	22.7°C	28.6°C	25.1°C	30.6°C
	54.1°F	56.1°F	52.4°F	55.7°F	60.4°F	69.0°F	64.4°F	76.8°F	71.1°F	81.7°F	75.5°F	85.0°F
1%	12.3°C	13.4°C	11.3°C	13.2°C	15.8°C	20.6°C	18.0°C	24.9°C	21.7°C	27.6°C	24.2°C	29.4°C
	48.8°F	51.4°F	48.7°F	53.9°F	57.0°F	63.7°F	62.5°F	73.2°F	69.4°F	80.4°F	74.4°F	83.6°F
2%	9.3°C	10.8°C	9.3°C	12.2°C	13.9°C	17.6°C	16.9°C	22.9°C	20.8°C	26.9°C	23.6°C	28.7°C
	Dec											
%	Jul		Aug		Sep		Oct		Nov		Dec	
	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB	WB	MCDB
0.4%	78.5°F	89.8°F	78.0°F	87.3°F	75.4°F	84.0°F	68.8°F	74.1°F	64.5°F	68.5°F	59.2°F	62.7°F
	25.8°C	32.1°C	25.6°C	30.7°C	24.1°C	28.9°C	20.4°C	23.4°C	18.1°C	20.3°C	15.1°C	17.1°C
	77.5°F	88.7°F	76.9°F	85.8°F	74.3°F	82.1°F	67.7°F	73.3°F	63.0°F	66.9°F	55.7°F	58.5°F
1%	25.3°C	31.5°C	24.9°C	29.9°C	23.5°C	27.8°C	19.8°C	22.9°C	17.2°C	19.4°C	13.2°C	14.7°C
	76.7°F	87.4°F	75.8°F	84.6°F	73.1°F	80.2°F	66.3°F	72.0°F	61.2°F	65.3°F	52.7°F	55.3°F
2%	24.8°C	30.8°C	24.3°C	29.2°C	22.8°C	26.8°C	19.1°C	22.2°C	16.2°C	18.5°C	11.5°C	12.9°C
	WB = Wet Bulb, MCDB = Mean Coincident Dry Bulb											

Table 2.7-45 The Extreme Annual Dry Bulb Temperature Values for Wilkes-Barre/Scranton, PA (1972 - 2001)

Mean	Max	°F	92.7	°C	33.7
	Min	°F	-3.9	°C	-19.9
Standard Deviation	Max	°F	2.8	°C	-16.2
	Min	°F	6.3	°C	-14.3
50-Year Return Period	Max	°F	99.9	°C	37.7
	Min	°F	-20.2	°C	-29.0
100-Year Return Period	Max	°F	101.4	°C	38.5
	Min	°F	-23.7	°C	-30.9

Table 2.7-46 The Extreme Annual Dry Bulb Temperature Values for Allentown, PA (1972 - 2001)

Mean	Max	°F	94.8	°C	34.9
	Min	°F	-0.2	°C	-17.9
Standard Deviation	Max	°F	2.7	°C	-16.3
	Min	°F	6.0	°C	-14.4
50-Year Return Period	Max	°F	101.8	°C	38.8
	Min	°F	-15.8	°C	-26.5
100-Year Return Period	Max	°F	103.3	°C	39.6
	Min	°F	-19.0	°C	-28.3

Table 2.7-47 Heating Degree Days for Sites Around Bell Bend Nuclear Power Plant (1971-2000) for Base Temperature of 32°F

Site	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/ Scranton, PA	259	182	47	0	0	0	0	0	0	0	20	163	671
Allentown, PA	250	157	39	0	0	0	0	0	0	0	12	143	601
Williamsport, PA	277	178	50	0	0	0	0	0	0	0	20	164	689

Table 2.7-48 Cooling Degree Days for Sites Around Bell Bend Nuclear Power Plant (1971-2000) for Base Temperature of 65°F

Site	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/ Scranton, PA	0	0	1	5	36	114	220	174	57	4	0	0	611
Allentown, PA	0	0	1	6	45	153	288	216	73	5	0	0	787
Williamsport, PA	0	0	0	6	39	135	251	206	68	4	0	0	709

Table 2.7-49 SSES Monthly and Annual Precipitation (2001-2006)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
in	2.65	1.88	2.02	2.83	2.75	4.12	3.50	2.98	4.08	4.44	2.59	2.41	36.25
mm	67.31	47.75	51.31	71.88	69.85	104.65	88.90	75.69	103.63	112.78	65.79	61.21	902.75

Table 2.7-50 SSES Monthly and Annual Percent Frequency (%) of Precipitation Occurrence (2001-2006)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	8.58	6.11	7.15	7.15	5.71	6.02	4.55	5.06	6.41	7.87	6.09	7.35	6.50

Table 2.7-51 SSES Hourly Rainfall Rate Distribution (2001-2006)

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	49187	2812	367	106	42	19	15	13	9	6	7	1	0	0

Table 2.7-52 SSES Measured Extreme Precipitation Hourly Values (2001-2006)

Rainfall Amount in (mm)	1.25 (31.75)	0.99 (25.15)	0.99 (25.15)
Date Occurred	09/24/01 13:00	02/08/05 07:00	10/31/06 07:00

Table 2.7-53 Mean Monthly and Annual Precipitation for Sites Around Bell Bend Nuclear Power Plant (1971-2000)

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/Scranton, PA	in	2.46	2.08	2.69	3.28	3.97	3.74	3.10	3.86	3.02	3.12	2.55	37.56
	mm	62.48	52.83	68.33	83.31	100.84	95.00	78.74	98.04	76.71	79.25	64.77	954.02
Allentown, PA	in	3.50	2.75	3.56	3.49	3.99	4.27	4.35	4.37	3.33	3.70	3.39	45.17
	mm	88.90	69.85	90.42	88.65	113.54	108.46	110.49	111.00	84.58	93.98	86.11	1147.32
Williamsport, PA	in	2.85	2.61	3.21	3.49	4.45	4.08	3.38	3.98	3.19	3.62	2.94	41.59
	mm	72.39	66.29	81.53	88.65	96.27	113.03	103.63	101.09	81.03	91.95	74.68	1056.39
Shickshinny, PA*	in	3.21	2.40	3.44	3.66	4.61	4.56	3.96	4.48	3.42	3.55	3.21	44.94
	mm	81.53	60.96	87.38	92.96	117.09	115.82	100.58	113.79	86.87	90.17	81.53	1141.48

* Only precipitation statistics were available for Shickshinny, PA.

Table 2.7-54 Mean Monthly and Annual Snowfall for Sites Around Bell Bend Nuclear Power Plant (1971-2000)

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/Scranton, PA	in	13.50	10.20	8.70	2.80	0.10	0.00	0.00	0.00	0.10	4.30	7.30	47.00
	mm	342.90	259.08	220.98	71.12	2.54	0.00	0.00	Trace	2.54	109.22	185.42	1193.80
Allentown, PA	in	11.10	9.40	5.70	0.80	≤0.05	0.00	0.00	0.00	0.10	1.40	3.80	32.30
	mm	281.94	238.76	144.78	20.32	=1.27	0.00	0.00	0.00	2.54	35.56	96.52	820.42
Williamsport, PA	in	12.50	9.30	7.40	1.20	≤0.05	0.00	0.00	0.00	0.10	3.00	6.50	40.00
	mm	317.50	236.22	187.96	30.48	=1.27	0.00	0.00	0.00	2.54	76.20	165.10	1016.00

Table 2.7-55 Monthly Mean Number of Days with Precipitation for Sites Around Bell Bend Nuclear Power Plant (1971-2000)

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/Scranton, PA	12.5	10.8	12.4	12.4	13.0	12.7	11.0	10.9	10.3	10.1	11.6	12.2	139.9
Allentown, PA	11.2	10.2	11.1	11.3	12.4	11.2	10.5	9.4	9.9	8.7	10.0	11.0	126.9
Williamsport, PA	11.4	10.3	11.9	12.1	13.4	12.3	11.3	10.5	10.9	10.2	11.3	11.5	137.1

Table 2.7-56 Monthly Mean Number of Days with Heavy Fog for Sites Around Bell Bend Nuclear Power Plant (1964-2006)

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/Scranton, PA	1.9	1.9	1.7	1.1	1.0	1.1	1.6	1.9	2.5	1.8	1.5	2.3	20.3
Allentown, PA	2.6	2.3	2.1	1.2	1.3	1.2	1.0	1.5	2.3	2.4	2.0	2.6	22.5
Williamsport, PA	2.0	1.7	1.6	1.5	2.5	2.3	2.5	3.8	7.2	6.2	3.0	2.1	36.4

Table 2.7-57 SSES 33' (10m) 2001-2006 Annual JFD
(Page 1 of 8)

33.0 FT WIND DATA		SSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) 5.76				
STABILITY CLASS A		WIND DIRECTION FROM																	
		WIND DIRECTION FROM																	
SPEED MPH		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	3	13	32	40	51	49	40	34	39	44	39	39	18	5	3	2	4	0	416
(1)	.10	.43	1.07	1.33	1.70	1.63	1.33	1.13	1.30	1.46	1.30	1.30	.60	.17	.10	.07	.13	.00	13.85
(2)	.01	.02	.06	.08	.10	.09	.08	.07	.07	.08	.07	.07	.03	.01	.01	.00	.01	.00	.80
4-7	41	90	93	40	37	29	70	80	148	148	294	479	97	21	20	14	22	0	1575
(1)	1.36	3.00	3.10	1.33	1.23	.97	2.33	2.66	4.93	4.93	9.79	15.95	3.23	.70	.67	.47	.73	.00	52.43
(2)	.08	.17	.18	.08	.07	.06	.13	.15	.28	.28	.56	.92	.19	.04	.04	.03	.04	.00	3.02
8-12	68	59	20	0	0	4	28	19	55	55	85	367	171	35	9	15	22	0	957
(1)	2.26	1.96	.67	.00	.00	.13	.93	.63	1.83	1.83	2.83	12.22	5.69	1.17	.30	.50	.73	.00	31.86
(2)	.13	.11	.04	.00	.00	.01	.05	.04	.11	.11	.16	.70	.33	.07	.02	.03	.04	.00	1.84
13-18	9	1	0	0	0	0	1	1	1	1	0	25	13	0	0	1	4	0	56
(1)	.30	.03	.00	.00	.00	.00	.03	.03	.03	.03	.00	.83	.43	.00	.00	.03	.13	.00	1.86
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.02	.00	.00	.00	.01	.00	.11
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	121	163	145	80	88	82	139	134	248	248	418	910	299	61	32	32	52	0	3004
(1)	4.03	5.43	4.83	2.66	2.93	2.73	4.63	4.46	8.26	8.26	13.91	30.29	9.95	2.03	1.07	1.07	1.73	.00	100.00
(2)	.23	.31	.28	.15	.17	.16	.27	.26	.48	.48	.80	1.75	.57	.12	.06	.06	.10	.00	5.76

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-57 SSES 33' (10m) 2001-2006 Annual JFD
(Page 2 of 8)

SPEED MPH	SSSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL		
	STABILITY CLASS B								CLASS FREQUENCY (PERCENT) 3.07									VRBL	TOTAL
	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL			
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		
C-3	10	3	22	28	35	23	17	14	24	22	17	3	0	2	1	1	0		
(1)	.63	.19	1.38	1.75	2.19	1.44	1.06	.88	1.50	1.38	1.06	.19	.00	.13	.06	.06	.00		
(2)	.02	.01	.04	.05	.07	.04	.03	.03	.05	.04	.03	.01	.00	.00	.00	.00	.00		
4-7	30	73	62	19	14	9	32	24	36	107	198	50	17	5	12	17	0		
(1)	1.88	4.57	3.88	1.19	.88	.56	2.00	1.50	2.25	6.70	12.39	3.13	1.06	.31	.75	1.06	.00		
(2)	.06	.14	.12	.04	.03	.02	.06	.05	.07	.21	.38	.10	.03	.01	.02	.03	.00		
8-12	48	42	12	1	6	2	9	10	17	21	212	101	35	28	22	44	0		
(1)	3.00	2.63	.75	.06	.38	.13	.56	.63	1.06	1.31	13.27	6.32	2.19	1.75	1.38	2.75	.00		
(2)	.09	.08	.02	.00	.01	.00	.02	.02	.03	.04	.41	.19	.07	.05	.04	.08	.00		
13-18	4	2	0	0	0	0	0	0	0	1	20	19	1	0	6	7	0		
(1)	.25	.13	.00	.00	.00	.00	.00	.00	.00	.06	1.25	1.19	.06	.00	.38	.44	.00		
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.04	.00	.00	.01	.01	.00		
19-24	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	.06	.00	.00	.00	.00	.00	.06		
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		
ALL SPEEDS	92	120	96	48	55	34	58	48	77	151	448	173	53	35	41	69	0		
(1)	5.76	7.51	6.01	3.00	3.44	2.13	3.63	3.00	4.82	9.45	28.04	10.83	3.32	2.19	2.57	4.32	.00		
(2)	.18	.23	.18	.09	.11	.07	.11	.09	.15	.29	.86	.33	.10	.07	.08	.13	.00		

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Table 2.7-57 SSES 33' (10m) 2001-2006 Annual JFD
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33.0 FT WIND DATA		SSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) 4.25				
		STABILITY CLASS C					WIND DIRECTION FROM								STABILITY CLASS C				
		SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	7	18	21	37	43	40	28	24	38	33	23	2	8	2	1	3	0	328	
(1)	.32	.81	.95	1.67	1.94	1.81	1.26	1.08	1.72	1.49	1.04	.09	.36	.09	.05	.14	.00	14.81	
(2)	.01	.03	.04	.07	.08	.08	.05	.05	.07	.06	.04	.00	.02	.00	.00	.01	.00	.63	
4-7	64	104	70	28	18	19	36	32	69	118	279	87	25	21	22	24	0	1016	
(1)	2.89	4.70	3.16	1.26	.81	.86	1.63	1.44	3.12	5.33	12.60	3.93	1.13	.95	.99	1.08	.00	45.87	
(2)	.12	.20	.13	.05	.03	.04	.07	.06	.13	.23	.54	.17	.05	.04	.04	.05	.00	1.95	
8-12	97	39	6	2	2	4	14	10	30	21	192	151	46	24	51	68	0	757	
(1)	4.38	1.76	.27	.09	.09	.18	.63	.45	1.35	.95	8.67	6.82	2.08	1.08	2.30	3.07	.00	34.18	
(2)	.19	.07	.01	.00	.00	.01	.03	.02	.06	.04	.37	.29	.09	.05	.10	.13	.00	1.45	
13-18	4	1	0	0	0	0	2	0	0	0	29	43	15	1	6	11	0	112	
(1)	.18	.05	.00	.00	.00	.00	.09	.00	.00	.00	1.31	1.94	.68	.05	.27	.50	.00	5.06	
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.08	.03	.00	.01	.02	.00	.21	
19-24	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	.09	.00	.00	.00	.00	.00	.09	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	172	162	97	67	63	63	80	66	137	172	523	285	94	48	80	106	0	2215	
(1)	7.77	7.31	4.38	3.02	2.84	2.84	3.61	2.98	6.19	7.77	23.61	12.87	4.24	2.17	3.61	4.79	.00	100.00	
(2)	.33	.31	.19	.13	.12	.12	.15	.13	.26	.33	1.00	.55	.18	.09	.15	.20	.00	4.25	

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Table 2.7-57 SSES 33' (10m) 2001-2006 Annual JFD
(Page 4 of 8)

33.0 FT WIND DATA		SSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 38.76																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS D	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM	1	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.01	.01	.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	.01
C-3	149	435	529	468	498	440	460	460	348	426	394	273	131	57	44	61	52	0	4765
(1)	.74	2.15	2.62	2.32	2.47	2.18	2.28	2.28	1.72	2.11	1.95	1.35	.65	.28	.22	.30	.26	.00	23,559
(2)	.29	.83	1.02	.90	.96	.84	.88	.88	.67	.82	.76	.52	.25	.11	.08	.12	.10	.00	9,114
4-7	821	1004	725	241	197	290	469	416	537	808	1130	498	352	332	393	531	0	8744	
(1)	4.06	4.97	3.59	1.19	.98	1.44	2.32	2.06	2.66	4.00	5.59	2.47	1.74	1.64	1.95	2.63	.00	43,288	
(2)	1.58	1.93	1.39	.46	.38	.56	.90	.80	1.03	1.55	2.17	.96	.68	.64	.75	1.02	.00	16,778	
8-12	516	230	69	34	31	50	107	78	117	120	914	716	462	434	868	833	0	55,799	
(1)	2.55	1.14	.34	.17	.15	.25	.53	.39	.58	.59	4.52	3.54	2.29	2.15	4.30	4.12	.00	27,622	
(2)	.99	.44	.13	.07	.06	.10	.21	.15	.22	.23	1.75	1.37	.89	.83	1.67	1.60	.00	10,771	
13-18	14	1	3	3	2	5	10	13	11	4	120	300	148	115	168	133	0	10,500	
(1)	.07	.00	.01	.01	.01	.02	.05	.06	.05	.02	.59	1.49	.73	.57	.83	.66	.00	5,200	
(2)	.03	.00	.01	.01	.00	.01	.02	.02	.02	.01	.23	.58	.28	.22	.32	.26	.00	2,010	
19-24	0	0	0	0	0	0	1	0	2	0	3	33	13	1	2	1	0	56	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.16	.06	.00	.01	.00	.00	.28	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.06	.02	.00	.00	.00	.00	.11	
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1501	1671	1327	748	730	785	1047	855	1093	1326	2440	1678	1032	926	1492	1550	0	20,201	
(1)	7.43	8.27	6.57	3.70	3.61	3.89	5.18	4.23	5.41	6.56	12.08	8.31	5.11	4.58	7.39	7.67	.00	100,000	
(2)	2.88	3.21	2.55	1.44	1.40	1.51	2.01	1.64	2.10	2.54	4.68	3.22	1.98	1.78	2.86	2.97	.00	38,776	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-57 SSES 33' (10m) 2001-2006 Annual JFD
(Page 5 of 8)

33.0 FT WIND DATA	SPEED MPH	SSSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		CLASS FREQUENCY (PERCENT) = 28.78																	
		WIND DIRECTION FROM																	
STABILITY CLASS E	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	0	3	5	3	1	0	0	0	1	0	0	0	0	0	0	0	0	13
(1)	.00	.00	.02	.03	.02	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.09
(2)	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3	247	765	1360	1608	1149	773	806	698	885	671	297	103	71	40	44	54	0	9571	
(1)	1.65	5.10	9.07	10.72	7.66	5.15	5.37	4.65	5.90	4.47	1.98	.69	.47	.27	.29	.36	.00	63.82	
(2)	.47	1.47	2.61	3.09	2.20	1.48	1.55	1.34	1.70	1.29	.57	.20	.14	.08	.08	.10	.00	18.37	
4-7	412	712	413	100	68	85	118	190	390	762	627	214	107	71	122	202	0	4593	
(1)	2.75	4.75	2.75	.67	.45	.57	.79	1.27	2.60	5.08	4.18	1.43	.71	.47	.81	1.35	.00	30.63	
(2)	.79	1.37	.79	.19	.13	.16	.23	.36	.75	1.46	1.20	.41	.21	.14	.23	.39	.00	8.81	
8-12	55	67	38	13	17	20	20	46	82	71	143	60	17	14	28	48	0	739	
(1)	.37	.45	.25	.09	.11	.13	.13	.31	.55	.47	.95	.40	.11	.09	.19	.32	.00	4.93	
(2)	.11	.13	.07	.02	.03	.04	.04	.09	.16	.14	.27	.12	.03	.03	.05	.09	.00	1.42	
13-18	0	3	0	3	2	8	14	10	11	1	9	11	0	1	1	2	0	76	
(1)	.00	.02	.00	.02	.01	.05	.09	.07	.07	.01	.06	.07	.00	.01	.01	.01	.00	.51	
(2)	.00	.01	.00	.01	.00	.02	.03	.02	.02	.00	.02	.02	.00	.00	.00	.00	.00	.15	
19-24	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	3	
(1)	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.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	
GT 24	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	.01	.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	
ALL SPEEDS	714	1548	1814	1729	1239	887	958	944	1368	1506	1077	390	195	126	195	306	0	14996	
(1)	4.76	10.32	12.10	11.53	8.26	5.91	6.39	6.30	9.12	10.04	7.18	2.60	1.30	.84	1.30	2.04	.00	100.00	
(2)	1.37	2.97	3.48	3.32	2.38	1.70	1.84	1.81	2.63	2.89	2.07	.75	.37	.24	.37	.59	.00	28.78	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-57 SSES 33' (10m) 2001-2006 Annual JFD
(Page 6 of 8)

33.0 FT WIND DATA	SSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL		
	CLASS FREQUENCY (PERCENT) = 11.95																		
	WIND DIRECTION FROM																		
STABILITY CLASS F	WIND DIRECTION FROM																VRBL	TOTAL	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
(1)	.00	.02	.02	.02	.02	.00	.00	.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	.01
C-3	41	188	800	2619	989	375	245	209	262	127	56	14	8	5	10	11	0	5959	
(1)	.66	3.02	12.85	42.05	15.88	6.02	3.93	3.36	4.21	2.04	.90	.22	.13	.08	.16	.18	.00	95.68	
(2)	.08	.36	1.54	5.03	1.90	.72	.47	.40	.50	.24	.11	.03	.02	.01	.02	.02	.00	11.43	
4-7	13	46	36	51	2	0	0	12	14	35	31	9	2	1	4	7	0	263	
(1)	.21	.74	.58	.82	.03	.00	.00	.19	.22	.56	.50	.14	.03	.02	.06	.11	.00	4.22	
(2)	.02	.09	.07	.10	.00	.00	.00	.02	.03	.07	.06	.02	.00	.00	.01	.01	.00	.50	
8-12	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
(1)	.00	.02	.02	.00	.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	
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	54	236	838	2671	992	375	245	221	276	162	87	23	10	6	14	18	0	6228	
(1)	.87	3.79	13.46	42.89	15.93	6.02	3.93	3.55	4.43	2.60	1.40	.37	.16	.10	.22	.29	.00	100.00	
(2)	.10	.45	1.61	5.13	1.90	.72	.47	.42	.53	.31	.17	.04	.02	.01	.03	.03	.00	11.95	

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Table 2.7-57 SSES 33' (10m) 2001-2006 Annual JFD
(Page 7 of 8)

33.0 FT WIND DATA	SSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 7.43																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G													TOTAL				
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	11	47	628	2277	452	144	81	59	45	16	8	1	0	0	2	4	0	3775
(1)	.28	1.21	16.22	58.82	11.68	3.72	2.09	1.52	1.16	.41	.21	.03	.00	.00	.05	.10	.00	97.52
(2)	.02	.09	1.21	4.37	.87	.28	.16	.11	.09	.03	.02	.00	.00	.00	.00	.01	.00	7.24
4-7	2	5	21	56	1	1	2	0	0	5	1	0	0	0	0	0	0	94
(1)	.05	.13	.54	1.45	.03	.03	.05	.00	.00	.13	.03	.00	.00	.00	.00	.00	.00	2.43
(2)	.00	.01	.04	.11	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.18
8-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	14	52	649	2334	453	145	83	59	45	21	9	1	0	0	2	4	0	3871
(1)	.36	1.34	16.77	60.29	11.70	3.75	2.14	1.52	1.16	.54	.23	.03	.00	.00	.05	.10	.00	100.00
(2)	.03	.10	1.25	4.48	.87	.28	.16	.11	.09	.04	.02	.00	.00	.00	.00	.01	.00	7.43

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Table 2.7-57 SSES 33' (10m) 2001-2006 Annual JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00																
SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								NNW	VRBL		
							S	SSW	SW	WSW	W	WNW	NW	NNW				
CALM	2	2	5	9	6	1	0	0	0	1	0	0	0	0	0	0	0	26
(1)	.00	.00	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
(2)	.00	.00	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
C-3	468	1469	3392	7077	3217	1844	1677	1386	1724	1302	713	272	149	96	121	129	0	25036
(1)	.90	2.82	6.51	13.58	6.17	3.54	3.22	2.66	3.31	2.50	1.37	.52	.29	.18	.23	.25	.00	48.04
(2)	.90	2.82	6.51	13.58	6.17	3.54	3.22	2.66	3.31	2.50	1.37	.52	.29	.18	.23	.25	.00	48.04
4-7	1383	2034	1420	535	337	433	727	754	1194	2129	2745	955	524	450	567	803	0	16990
(1)	2.65	3.90	2.72	1.03	.65	.83	1.40	1.45	2.29	4.09	5.27	1.83	1.01	.86	1.09	1.54	.00	32.60
(2)	2.65	3.90	2.72	1.03	.65	.83	1.40	1.45	2.29	4.09	5.27	1.83	1.01	.86	1.09	1.54	.00	32.60
8-12	784	438	146	50	56	80	178	163	301	318	1828	1199	595	509	984	1015	0	8644
(1)	1.50	.84	.28	.10	.11	.15	.34	.31	.58	.61	3.51	2.30	1.14	.98	1.89	1.95	.00	16.59
(2)	1.50	.84	.28	.10	.11	.15	.34	.31	.58	.61	3.51	2.30	1.14	.98	1.89	1.95	.00	16.59
13-18	31	8	3	6	4	13	27	24	23	6	203	386	164	117	182	157	0	1354
(1)	.06	.02	.01	.01	.01	.02	.05	.05	.04	.01	.39	.74	.31	.22	.35	.30	.00	2.60
(2)	.06	.02	.01	.01	.01	.02	.05	.05	.04	.01	.39	.74	.31	.22	.35	.30	.00	2.60
19-24	0	1	0	0	0	0	1	0	2	0	5	36	13	1	2	1	0	62
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.07	.02	.00	.00	.00	.00	.12
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.07	.02	.00	.00	.00	.00	.12
GT 24	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	.00	.00	.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	2668	3952	4966	7677	3620	2371	2610	2327	3244	3756	5494	2849	1445	1173	1856	2105	0	52113
(1)	5.12	7.58	9.53	14.73	6.95	4.55	5.01	4.47	6.22	7.21	10.54	5.47	2.77	2.25	3.56	4.04	.00	100.00
(2)	5.12	7.58	9.53	14.73	6.95	4.55	5.01	4.47	6.22	7.21	10.54	5.47	2.77	2.25	3.56	4.04	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-58 SSES 33' (10m) 2001-2006 Winter JFD
(Page 1 of 8)

33.0 FT WIND DATA		SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL				
SPEED MPH	STABILITY CLASS A	CLASS FREQUENCY (PERCENT) = 2.08																VRBL	TOTAL			
		WIND DIRECTION FROM																				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL			
CALM		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	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		0	1	0	0	3	2	2	3	3	4	5	1	0	1	0	0	0	0	25		
(1)		.00	.37	.00	.00	1.11	.74	.74	1.11	1.11	1.48	1.85	.37	.00	.37	.00	.00	.00	.00	9.26		
(2)		.00	.01	.00	.00	.02	.02	.02	.02	.02	.03	.04	.01	.00	.01	.00	.00	.00	.00	.19		
4-7		0	1	7	3	2	2	6	3	16	37	48	5	2	3	0	1	0	136			
(1)		.00	.37	2.59	1.11	.74	.74	2.22	1.11	5.93	13.70	17.78	1.85	.74	1.11	.00	.37	.00	50.37			
(2)		.00	.01	.05	.02	.02	.02	.05	.02	.12	.28	.37	.04	.02	.02	.00	.01	.00	1.05			
8-12		0	1	2	0	0	0	2	1	6	10	56	11	4	0	1	0	0	94			
(1)		.00	.37	.74	.00	.00	.00	.74	.37	2.22	3.70	20.74	4.07	1.48	.00	.37	.00	.00	34.81			
(2)		.00	.01	.02	.00	.00	.00	.02	.01	.05	.08	.43	.08	.03	.00	.01	.00	.00	.72			
13-18		0	0	0	0	0	0	0	0	0	0	10	5	0	0	0	0	0	15			
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.370	1.85	.00	.00	.00	.00	.00	5.56			
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.04	.00	.00	.00	.00	.00	.12			
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	9	3	5	4	10	7	25	51	119	22	6	4	1	1	1	270			
(1)		.00	1.11	3.33	1.11	1.85	1.48	3.70	2.59	9.26	18.89	44.07	8.15	2.22	1.48	.37	.37	.00	100.00			
(2)		.00	.02	.07	.02	.04	.03	.08	.05	.19	.39	.92	.17	.05	.03	.01	.01	.00	2.08			

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-58 SSES 33' (10m) 2001-2006 Winter JFD
(Page 2 of 8)

33.0 FT WIND DATA	SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	STABILITY CLASS B																	
	CLASS FREQUENCY (PERCENT) = 1.82																	
SPEED MPH	WIND DIRECTION FROM																VRBL	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	0	1	0	4	2	0	0	3	5	5	1	2	0	0	0	0	25
(1)	.42	.00	.42	.00	1.69	.85	.00	1.27	2.12	2.12	2.12	.42	.85	.00	.00	.42	.00	10.59
(2)	.01	.00	.01	.00	.03	.02	.00	.02	.04	.04	.04	.01	.02	.00	.00	.01	.00	.19
4-7	1	4	13	1	2	0	1	4	4	4	17	19	8	2	1	1	3	81
(1)	.42	1.69	5.51	.42	.85	.00	.42	1.69	1.69	1.69	7.20	8.05	3.39	.85	.42	.42	1.27	34.32
(2)	.01	.03	.10	.01	.02	.00	.01	.03	.03	.03	.13	.15	.06	.02	.01	.01	.02	.62
8-12	5	12	5	0	0	0	0	0	0	4	8	56	15	4	5	1	2	117
(1)	2.12	5.08	2.12	.00	.00	.00	.00	.00	.00	1.69	3.39	23.73	6.36	1.69	2.12	.42	.85	49.58
(2)	.04	.09	.04	.00	.00	.00	.00	.00	.00	.03	.06	.43	.12	.03	.04	.01	.02	.90
13-18	0	0	0	0	0	0	0	0	0	0	1	6	6	0	0	0	0	13
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	2.54	2.54	.00	.00	.00	.00	5.51
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.05	.05	.00	.00	.00	.00	.10
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	16	19	1	6	2	1	7	13	31	82	31	6	6	3	5	0	236
(1)	2.97	6.78	8.05	.42	2.54	.85	.42	2.97	5.51	13.14	34.75	13.14	2.54	2.54	1.27	2.12	.00	100.00
(2)	.05	.12	.15	.01	.05	.02	.01	.05	.10	.24	.63	.24	.05	.05	.02	.04	.00	1.82

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-58 SSES 33' (10m) 2001-2006 Winter JFD
(Page 3 of 8)

33.0 FT WIND DATA		SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER) STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 2.85													33.0 FT WIND DATA											
SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
							SE	SSE	S	SSW	SW	WSW	W	WNW												
CALM	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
C-3	0	2	2	1	9	11	4	4	4	10	7	3	1	1	1	0	0	0	0	0	0	0	0	0	55	
(1)	.00	.54	.54	.27	2.43	2.97	1.08	1.08	1.08	2.70	1.89	.81	.27	.27	.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	14.86
(2)	.00	.02	.02	.01	.07	.08	.03	.03	.03	.08	.05	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42
4-7	4	14	13	5	2	1	3	5	5	13	18	32	11	2	2	3	3	3	3	3	3	1	1	0	130	
(1)	1.08	3.78	3.51	1.35	.54	.27	.81	1.35	1.35	3.51	4.86	8.65	2.97	.54	.54	.81	.81	.81	.81	.81	.81	.27	.27	.00	.00	35.14
(2)	.03	.11	.10	.04	.02	.01	.02	.04	.04	.10	.14	.25	.08	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.00	.00	1.00
8-12	16	1	4	0	0	0	2	0	0	5	10	61	24	8	8	7	5	5	5	7	5	15	15	0	158	
(1)	4.32	.27	1.08	.00	.00	.00	.54	.00	.00	1.35	2.70	16.49	6.49	2.16	2.16	1.89	1.35	1.35	1.89	1.35	4.05	4.05	.00	.00	42.70	
(2)	.12	.01	.03	.00	.00	.00	.02	.00	.00	.04	.08	.47	.18	.06	.06	.05	.04	.04	.05	.05	.12	.12	.00	.00	1.22	
13-18	0	0	0	0	0	0	0	0	0	0	0	9	10	7	7	0	0	0	0	0	0	1	1	0	27	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.43	2.70	1.89	1.89	.00	.00	.00	.00	.00	.00	.27	.27	.00	.00	7.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.08	.05	.05	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.21
19-24	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	20	17	19	6	11	12	9	9	9	28	35	105	46	18	18	10	8	8	10	10	8	17	17	0	370	
(1)	5.41	4.59	5.14	1.62	2.97	3.24	2.43	2.43	2.43	7.57	9.46	28.38	12.43	4.86	4.86	2.70	2.16	2.16	2.70	2.70	2.16	4.59	4.59	.00	100.00	
(2)	.15	.13	.15	.05	.08	.09	.07	.07	.07	.22	.27	.81	.35	.14	.14	.08	.06	.06	.08	.08	.06	.13	.13	.00	2.85	

33.0 FT WIND DATA
SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
STABILITY CLASS D
CLASS FREQUENCY (PERCENT) = 47.66

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-58 SSES 33' (10m) 2001-2006 Winter JFD
(Page 4 of 8)

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNNW	NW	NNW	VRBL	TOTAL
CALM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
C-3	41	98	105	109	112	113	124	89	100	89	56	34	19	13	23	18	0	1143
(1)	.66	1.58	1.70	1.76	1.81	1.83	2.00	1.44	1.62	1.44	.90	.55	.31	.21	.37	.29	.00	18.47
(2)	.32	.75	.81	.84	.86	.87	.96	.69	.77	.69	.43	.26	.15	.10	.18	.14	.00	8.80
4-7	238	183	196	55	29	41	89	92	140	248	270	135	120	96	129	177	0	2238
(1)	3.85	2.96	3.17	.89	.47	.66	1.44	1.49	2.26	4.01	4.36	2.18	1.94	1.55	2.08	2.86	.00	36.17
(2)	1.83	1.41	1.51	.42	.22	.32	.69	.71	1.08	1.91	2.08	1.04	.92	.74	.99	1.36	.00	17.24
8-12	144	56	23	12	6	5	11	12	27	47	456	327	207	160	358	425	0	2276
(1)	2.33	.90	.37	.19	.10	.08	.18	.19	.44	.76	7.37	5.28	3.35	2.59	5.79	6.87	.00	36.78
(2)	1.11	.43	.18	.09	.05	.04	.08	.09	.21	.36	3.51	2.52	1.59	1.23	2.76	3.27	.00	17.53
13-18	7	0	0	0	0	2	2	0	2	1	75	141	56	35	101	88	0	510
(1)	.11	.00	.00	.00	.00	.03	.03	.00	.03	.02	1.21	2.28	.90	.57	1.63	1.42	.00	8.24
(2)	.05	.00	.00	.00	.00	.02	.02	.00	.02	.01	.58	1.09	.43	.27	.78	.68	.00	3.93
19-24	0	0	0	0	0	0	1	0	2	0	1	12	4	0	0	0	0	20
(1)	.00	.00	.00	.00	.00	.00	.02	.00	.03	.00	.02	.19	.06	.00	.00	.00	.00	.32
(2)	.00	.00	.00	.00	.00	.00	.01	.00	.02	.00	.01	.09	.03	.00	.00	.00	.00	.15
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	430	338	324	176	147	161	227	193	271	385	858	649	406	304	611	708	0	6188
(1)	6.95	5.46	5.24	2.84	2.38	2.60	3.67	3.12	4.38	6.22	13.87	10.49	6.56	4.91	9.87	11.44	.00	100.00
(2)	3.31	2.60	2.50	1.36	1.13	1.24	1.75	1.49	2.09	2.97	6.61	5.00	3.13	2.34	4.71	5.45	.00	47.66

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-58 SSES 33' (10m) 2001-2006 Winter JFD
(Page 5 of 8)

33.0 FT WIND DATA		SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		CLASS FREQUENCY (PERCENT) = 28.55																
		WIND DIRECTION FROM																
STABILITY CLASS E		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	50	139	261	216	183	219	178	228	157	78	30	23	16	12	11	11	0	2062
(1)	1.35	3.75	7.04	5.83	4.94	5.91	4.80	6.15	4.24	2.10	.81	.62	.43	.32	.30	.30	.00	55.62
(2)	.39	1.07	2.01	1.66	1.41	1.69	1.37	1.76	1.21	.60	.23	.18	.12	.09	.08	.08	.00	15.88
4-7	126	147	101	20	18	25	57	112	274	239	67	30	20	37	56	0	0	1345
(1)	3.40	3.97	2.72	.54	.49	.67	1.54	3.02	7.39	6.45	1.81	.81	.54	1.00	1.51	.00	.00	36.28
(2)	.97	1.13	.78	.15	.14	.19	.44	.86	2.11	1.84	.52	.23	.15	.28	.43	.00	.00	10.36
8-12	23	21	13	7	7	4	9	18	23	66	27	8	4	14	22	0	0	267
(1)	.62	.57	.35	.19	.19	.11	.24	.49	.62	1.78	.73	.22	.11	.38	.59	.00	.00	7.20
(2)	.18	.16	.10	.05	.05	.03	.07	.14	.18	.51	.21	.06	.03	.11	.17	.00	.00	2.06
13-18	0	0	0	2	1	6	4	5	1	2	7	0	0	0	2	0	0	31
(1)	.00	.00	.00	.05	.03	.16	.11	.13	.03	.05	.19	.00	.00	.03	.05	.00	.00	.84
(2)	.00	.00	.00	.02	.01	.05	.03	.04	.01	.02	.05	.00	.00	.01	.02	.00	.00	.24
19-24	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	.03	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01
GT 24	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	.03	.00	.00	.00	.00	.00	.00	.03
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01
ALL SPEEDS	199	307	375	282	241	209	254	363	455	385	133	61	40	64	91	0	0	3707
(1)	5.37	8.28	10.12	7.61	6.50	5.64	6.85	9.79	12.27	10.39	3.59	1.65	1.08	1.73	2.45	.00	.00	100.00
(2)	1.53	2.36	2.89	2.17	1.86	1.61	1.96	2.80	3.50	2.97	1.02	.47	.31	.49	.70	.00	.00	28.55

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-58 SSES 33' (10m) 2001-2006 Winter JFD
(Page 6 of 8)

33.0 FT WIND DATA	SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 9.91																	
	SPEED MPH	WIND DIRECTION FROM																
N		NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	13	45	174	411	196	103	62	71	99	31	6	3	3	2	0	4	0	1223
(1)	1.01	3.50	13.52	31.93	15.23	8.00	4.82	5.52	7.69	2.41	.47	.23	.23	.16	.00	.31	.00	95.03
(2)	.10	.35	1.34	3.17	1.51	.79	.48	.55	.76	.24	.05	.02	.02	.02	.00	.03	.00	9.42
4-7	3	5	6	3	0	0	0	6	6	16	11	2	1	0	1	4	0	64
(1)	.23	.39	.47	.23	.00	.00	.00	.47	.47	1.24	.85	.16	.08	.00	.08	.31	.00	4.97
(2)	.02	.04	.05	.02	.00	.00	.00	.05	.05	.12	.08	.02	.01	.00	.01	.03	.00	.49
8-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	16	50	180	414	196	103	62	77	105	47	17	5	4	2	1	8	0	1287
(1)	1.24	3.89	13.99	32.17	15.23	8.00	4.82	5.98	8.16	3.65	1.32	.39	.31	.16	.08	.62	.00	100.00
(2)	.12	.39	1.39	3.19	1.51	.79	.48	.59	.81	.36	.13	.04	.03	.02	.01	.06	.00	9.91

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-58 SSES 33' (10m) 2001-2006 Winter JFD
(Page 7 of 8)

33.0 FT WIND DATA		SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 7.13				
STABILITY CLASS G		WIND DIRECTION FROM													TOTAL				
SPEED MPH	WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		2	13	153	489	123	41	30	30	19	6	2	1	0	0	0	0	0	909
(1)		.22	1.40	16.52	52.81	13.28	4.43	3.24	3.24	2.05	.65	.22	.11	.00	.00	.00	.00	.00	98.16
(2)		.02	.10	1.18	3.77	.95	.32	.23	.23	.15	.05	.02	.01	.00	.00	.00	.00	.00	7.00
4-7		0	0	5	6	0	1	1	0	0	4	0	0	0	0	0	0	0	17
(1)		.00	.00	.54	.65	.00	.11	.11	.00	.00	.43	.00	.00	.00	.00	.00	.00	.00	1.84
(2)		.00	.00	.04	.05	.00	.01	.01	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.13
8-12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	13	158	495	123	42	31	30	19	10	2	1	0	0	0	0	0	926
(1)		.22	1.40	17.06	53.46	13.28	4.54	3.35	3.24	2.05	1.08	.22	.11	.00	.00	.00	.00	.00	100.00
(2)		.02	.10	1.22	3.81	.95	.32	.24	.23	.15	.08	.02	.01	.00	.00	.00	.00	.00	7.13

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-58 SSES 33' (10m) 2001-2006 Winter JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
(2)	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
C-3	107	298	696	1271	663	455	441	378	464	299	151	72	46	32	36	33	0	5442	
(1)	.82	2.30	5.36	9.79	5.11	3.50	3.40	2.91	3.57	2.30	1.16	.55	.35	.25	.28	.25	.00	41.91	
(2)	.82	2.30	5.36	9.79	5.11	3.50	3.40	2.91	3.57	2.30	1.16	.55	.35	.25	.28	.25	.00	41.91	
4-7	372	354	341	93	51	63	125	167	291	614	619	228	157	123	171	242	0	4011	
(1)	2.87	2.73	2.63	.72	.39	.49	.96	1.29	2.24	4.73	4.77	1.76	1.21	.95	1.32	1.86	.00	30.89	
(2)	2.87	2.73	2.63	.72	.39	.49	.96	1.29	2.24	4.73	4.77	1.76	1.21	.95	1.32	1.86	.00	30.89	
8-12	188	91	47	13	13	12	19	22	60	98	695	404	231	176	379	464	0	2912	
(1)	1.45	.70	.36	.10	.10	.09	.15	.17	.46	.75	5.35	3.11	1.78	1.36	2.92	3.57	.00	22.43	
(2)	1.45	.70	.36	.10	.10	.09	.15	.17	.46	.75	5.35	3.11	1.78	1.36	2.92	3.57	.00	22.43	
13-18	7	0	0	0	2	3	8	4	7	3	102	169	63	35	102	91	0	596	
(1)	.05	.00	.00	.00	.02	.02	.06	.03	.05	.02	.79	1.30	.49	.27	.79	.70	.00	4.59	
(2)	.05	.00	.00	.00	.02	.02	.06	.03	.05	.02	.79	1.30	.49	.27	.79	.70	.00	4.59	
19-24	0	0	0	0	0	0	1	0	2	0	1	13	4	0	0	0	0	21	
(1)	.00	.00	.00	.00	.00	.00	.01	.00	.02	.00	.01	.10	.03	.00	.00	.00	.00	.16	
(2)	.00	.00	.00	.00	.00	.00	.01	.00	.02	.00	.01	.10	.03	.00	.00	.00	.00	.16	
GT 24	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	.01	.00	.00	.00	.00	.00	.01	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01	
ALL SPEEDS	674	744	1084	1377	729	533	594	571	824	1014	1568	887	501	366	688	830	0	12984	
(1)	5.19	5.73	8.35	10.61	5.61	4.11	4.57	4.40	6.35	7.81	12.08	6.83	3.86	2.82	5.30	6.39	.00	100.00	
(2)	5.19	5.73	8.35	10.61	5.61	4.11	4.57	4.40	6.35	7.81	12.08	6.83	3.86	2.82	5.30	6.39	.00	100.00	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-59 SSES 33' (10m) 2001-2006 Spring JFD

(Page 1 of 8)

SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

CLASS FREQUENCY (PERCENT) = 7.09

33.0 FT WIND DATA

STABILITY CLASS A

WIND DIRECTION FROM

SPEED MPH	WIND DIRECTION FROM																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	1	4	6	8	3	4	2	7	7	9	3	1	0	1	0	0	57
(1)	.11	.11	.43	.65	.87	.33	.43	.22	.76	.76	.98	.33	.11	.00	.11	.00	.00	6.18
(2)	.01	.01	.03	.05	.06	.02	.03	.02	.05	.05	.07	.02	.01	.00	.01	.00	.00	.44
4-7	9	26	24	11	14	17	18	27	54	69	108	32	10	5	4	2	0	430
(1)	.98	2.82	2.60	1.19	1.52	1.84	1.95	2.93	5.85	7.48	11.70	3.47	1.08	.54	.43	.22	.00	46.59
(2)	.07	.20	.18	.08	.11	.13	.14	.21	.41	.53	.83	.25	.08	.04	.03	.02	.00	3.30
8-12	31	34	14	0	0	2	23	12	38	55	108	50	9	6	7	10	0	399
(1)	3.36	3.68	1.52	.00	.00	.22	2.49	1.30	4.12	5.96	11.70	5.42	.98	.65	.76	1.08	.00	43.23
(2)	.24	.26	.11	.00	.00	.02	.18	.09	.29	.42	.83	.38	.07	.05	.05	.08	.00	3.06
13-18	7	0	0	0	0	0	1	1	1	0	15	7	0	0	1	4	0	37
(1)	.76	.00	.00	.00	.00	.00	.11	.11	.11	.00	1.63	.76	.00	.00	.11	.43	.00	4.01
(2)	.05	.00	.00	.00	.00	.00	.01	.01	.01	.00	.12	.05	.00	.00	.01	.03	.00	.28
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	48	61	42	17	22	22	46	42	100	131	240	92	20	11	13	16	0	923
(1)	5.20	6.61	4.55	1.84	2.38	2.38	4.98	4.55	10.83	14.19	26.00	9.97	2.17	1.19	1.41	1.73	.00	100.00
(2)	.37	.47	.32	.13	.17	.17	.35	.32	.77	1.01	1.84	.71	.15	.08	.10	.12	.00	7.09

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE

(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-59 SSES 33' (10m) 2001-2006 Spring JFD
(Page 2 of 8)

33.0 FT WIND DATA	SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	STABILITY CLASS B																	
	CLASS FREQUENCY (PERCENT) = 3.59																	
SPEED MPH	WIND DIRECTION FROM																VRBL	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	2	5	4	9	5	3	4	5	6	3	0	0	1	0	0	0	47
(1)	.00	.43	1.07	.86	1.93	1.07	.64	.86	1.07	1.28	.64	.00	.00	.21	.00	.00	.00	10.06
(2)	.00	.02	.04	.03	.07	.04	.02	.03	.04	.05	.02	.00	.00	.01	.00	.00	.00	.36
4-7	8	15	13	4	8	7	12	9	11	28	31	10	3	1	2	3	0	165
(1)	1.71	3.21	2.78	.86	1.71	1.50	2.57	1.93	2.36	6.00	6.64	2.14	.64	.21	.43	.64	.00	35.33
(2)	.06	.12	.10	.03	.06	.05	.09	.07	.08	.22	.24	.08	.02	.01	.02	.02	.00	1.27
8-12	21	15	7	1	6	1	5	7	7	6	56	33	6	13	13	22	0	219
(1)	4.50	3.21	1.50	.21	1.28	.21	1.07	1.50	1.50	1.28	11.99	7.07	1.28	2.78	2.78	4.71	.00	46.90
(2)	.16	.12	.05	.01	.05	.01	.04	.05	.05	.05	.43	.25	.05	.10	.10	.17	.00	1.68
13-18	3	2	0	0	0	0	0	0	0	0	7	11	1	0	6	5	0	35
(1)	.64	.43	.00	.00	.00	.00	.00	.00	.00	.00	1.50	2.36	.21	.00	1.28	1.07	.00	7.49
(2)	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.05	.08	.01	.00	.05	.04	.00	.27
19-24	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	.21	.00	.00	.00	.00	.00	.00	.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	32	34	25	9	23	13	20	20	23	40	98	54	10	15	21	30	0	467
(1)	6.85	7.28	5.35	1.93	4.93	2.78	4.28	4.28	4.93	8.57	20.99	11.56	2.14	3.21	4.50	6.42	.00	100.00
(2)	.25	.26	.19	.07	.18	.10	.15	.15	.18	.31	.75	.41	.08	.12	.16	.23	.00	3.59

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-59 SSES 33' (10m) 2001-2006 Spring JFD
(Page 3 of 8)

33.0 FT WIND DATA		SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS C		WIND DIRECTION FROM												NNW	VRBL		
				CLASS FREQUENCY (PERCENT) = 4.85															
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	2	3	8	6	8	6	5	7	6	5	0	1	1	0	1	1	0	60
(1)	.16	.32	.47	1.27	.95	1.27	.95	.79	1.11	.95	.79	.00	.16	.16	.00	.16	.00	.00	9.49
(2)	.01	.02	.02	.06	.05	.06	.05	.04	.05	.05	.04	.00	.01	.01	.00	.01	.00	.00	.46
4-7	15	24	21	9	13	8	13	8	17	28	49	25	6	2	3	6	0	247	
(1)	2.37	3.80	3.32	1.42	2.06	1.27	2.06	1.27	2.69	4.43	7.75	3.96	.95	.32	.47	.95	.00	39.08	
(2)	.12	.18	.16	.07	.10	.06	.10	.06	.13	.22	.38	.19	.05	.02	.02	.05	.00	1.90	
8-12	36	19	2	2	1	4	8	5	16	5	47	45	15	11	23	26	0	265	
(1)	5.70	3.01	.32	.32	.16	.63	1.27	.79	2.53	.79	7.44	7.12	2.37	1.74	3.64	4.11	.00	41.93	
(2)	.28	.15	.02	.02	.01	.03	.06	.04	.12	.04	.36	.35	.12	.08	.18	.20	.00	2.04	
13-18	4	1	0	0	0	0	2	0	0	0	13	20	8	1	3	6	0	58	
(1)	.63	.16	.00	.00	.00	.00	.32	.00	.00	.00	2.06	3.16	1.27	.16	.47	.95	.00	9.18	
(2)	.03	.01	.00	.00	.00	.00	.02	.00	.00	.00	.10	.15	.06	.01	.02	.05	.00	.45	
19-24	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	.32	.00	.00	.00	.00	.00	.32	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.02	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	56	46	26	19	20	20	29	18	40	39	114	92	30	15	29	39	0	632	
(1)	8.86	7.28	4.11	3.01	3.16	3.16	4.59	2.85	6.33	6.17	18.04	14.56	4.75	2.37	4.59	6.17	.00	100.00	
(2)	.43	.35	.20	.15	.15	.15	.22	.14	.31	.30	.88	.71	.23	.12	.22	.30	.00	4.85	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-59 SSES 33' (10m) 2001-2006 Spring JFD
(Page 4 of 8)

33.0 FT WIND DATA		SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 42.13						
SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								WSW	W	WNW	NW	NNW	VRBL	TOTAL
							SE	SSE	S	SSW	SW	WSW	W	WNW							
CALM	1	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
(1)	.02	.00	.02	.02	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09
(2)	.01	.00	.01	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
C-3	27	88	101	78	103	81	83	60	66	51	24	18	11	12	15	12	15	15	15	0	898
(1)	.49	1.60	1.84	1.42	1.88	1.48	1.51	1.09	1.46	.93	.44	.33	.20	.22	.27	.22	.27	.27	.27	.00	16.37
(2)	.21	.68	.78	.60	.79	.62	.64	.46	.61	.39	.18	.14	.08	.09	.12	.09	.12	.12	.12	.00	6.90
4-7	225	305	245	102	124	124	144	132	121	156	118	96	116	124	127	124	127	127	127	0	2487
(1)	4.10	5.56	4.47	1.86	2.26	2.26	2.62	2.41	2.21	2.84	2.15	1.75	2.11	2.26	2.31	2.26	2.31	2.31	2.31	.00	45.33
(2)	1.73	2.34	1.88	.78	.95	1.11	1.11	1.01	.93	1.20	.91	.74	.89	.95	.98	.95	.98	.98	.98	.00	19.10
8-12	224	116	43	17	23	38	48	39	54	37	158	173	143	282	221	282	221	221	221	0	1794
(1)	4.08	2.11	.78	.31	.42	.69	.87	.71	.98	.67	2.88	3.15	2.61	5.14	4.03	5.14	4.03	4.03	4.03	.00	32.70
(2)	1.72	.89	.33	.13	.18	.29	.37	.30	.41	.28	1.21	1.33	1.10	2.17	1.70	2.17	1.70	1.70	1.70	.00	13.78
13-18	3	1	3	0	2	3	3	1	1	3	20	69	72	37	26	37	26	26	26	0	294
(1)	.05	.02	.05	.00	.04	.05	.05	.02	.02	.05	.36	1.26	1.31	.67	.47	.67	.47	.47	.47	.00	5.36
(2)	.02	.01	.02	.00	.02	.02	.02	.01	.01	.02	.15	.53	.55	.28	.20	.28	.20	.20	.20	.00	2.26
19-24	0	0	0	0	0	0	0	0	0	0	4	2	0	0	1	0	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.04	.04	.00	.02	.00	.02	.02	.02	.00	.15
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.02	.02	.00	.01	.00	.01	.01	.01	.00	.06
GT 24	0	0	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	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	480	510	393	198	232	246	278	232	256	262	480	388	331	455	390	455	390	390	390	0	5486
(1)	8.75	9.30	7.16	3.61	4.23	4.48	5.07	4.23	4.67	4.78	8.75	7.07	6.03	8.29	7.11	8.29	7.11	7.11	7.11	.00	100.00
(2)	3.69	3.92	3.02	1.52	1.78	1.89	2.14	1.78	1.97	2.01	3.69	2.98	2.54	3.49	3.00	3.49	3.00	3.00	3.00	.00	42.13

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Table 2.7-59 SSES 33' (10m) 2001-2006 Spring JFD
(Page 5 of 8)

33.0 FT WIND DATA		SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 24.88				
		STABILITY CLASS E													WIND DIRECTION FROM				
		SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL
CALM	0	0	3	3	2	1	0	0	0	1	0	0	0	0	0	0	0	0	10
(1)	.00	.00	.09	.09	.06	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.31
(2)	.00	.00	.02	.02	.02	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.08
C-3	63	174	251	275	194	143	145	132	152	158	78	31	21	8	12	23	0	1860	
(1)	1.95	5.37	7.75	8.49	5.99	4.41	4.48	4.08	4.69	4.88	2.41	.96	.65	.25	.37	.71	.00	57.43	
(2)	.48	1.34	1.93	2.11	1.49	1.10	1.11	1.01	1.17	1.21	.60	.24	.16	.06	.09	.18	.00	14.28	
4-7	111	190	147	38	31	30	32	52	91	130	125	56	35	19	34	51	0	1172	
(1)	3.43	5.87	4.54	1.17	.96	.93	.99	1.61	2.81	4.01	3.86	1.73	1.08	.59	1.05	1.57	.00	36.18	
(2)	.85	1.46	1.13	.29	.24	.23	.25	.40	.70	1.00	.96	.43	.27	.15	.26	.39	.00	9.00	
8-12	20	19	12	4	8	5	2	5	23	20	36	8	5	7	5	8	0	187	
(1)	.62	.59	.37	.12	.25	.15	.06	.15	.71	.62	1.11	.25	.15	.22	.15	.25	.00	5.77	
(2)	.15	.15	.09	.03	.06	.04	.02	.04	.18	.15	.28	.06	.04	.05	.04	.06	.00	1.44	
13-18	0	0	0	0	0	0	1	0	3	0	4	0	0	1	0	0	0	9	
(1)	.00	.00	.00	.00	.00	.00	.03	.00	.09	.00	.12	.00	.00	.03	.00	.00	.00	.28	
(2)	.00	.00	.00	.00	.00	.00	.01	.00	.02	.00	.03	.00	.00	.01	.00	.00	.00	.07	
19-24	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	.03	.00	.00	.00	.00	.00	.00	.03	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	194	383	413	320	235	179	180	189	269	309	244	95	61	35	51	82	0	3239	
(1)	5.99	11.82	12.75	9.88	7.26	5.53	5.56	5.84	8.31	9.54	7.53	2.93	1.88	1.08	1.57	2.53	.00	100.00	
(2)	1.49	2.94	3.17	2.46	1.80	1.37	1.38	1.45	2.07	2.37	1.87	.73	.47	.27	.39	.63	.00	24.88	

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Table 2.7-59 SSES 33' (10m) 2001-2006 Spring JFD
(Page 6 of 8)

33.0 FT WIND DATA		SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS F		CLASS FREQUENCY (PERCENT) = 9.46															
				WIND DIRECTION FROM															
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.08	.08	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24
(2)	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3	10	44	195	430	178	77	54	45	46	30	27	6	4	1	4	0	0	0	1151
(1)	.81	3.57	15.83	34.90	14.45	6.25	4.38	3.65	3.73	2.44	2.19	.49	.32	.08	.32	.00	.00	.00	93.43
(2)	.08	.34	1.50	3.30	1.37	.59	.41	.35	.35	.23	.21	.05	.03	.01	.03	.00	.00	.00	8.84
4-7	7	13	11	8	1	0	0	3	6	7	12	4	1	1	2	0	0	0	76
(1)	.57	1.06	.89	.65	.08	.00	.00	.24	.49	.57	.97	.32	.08	.08	.16	.00	.00	.00	6.17
(2)	.05	.10	.08	.06	.01	.00	.00	.02	.05	.05	.09	.03	.01	.01	.02	.00	.00	.00	.58
8-12	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.08	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16
(2)	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
13-18	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	17	58	208	439	180	77	54	48	52	37	39	10	5	2	6	0	0	0	1232
(1)	1.38	4.71	16.88	35.63	14.61	6.25	4.38	3.90	4.22	3.00	3.17	.81	.41	.16	.49	.00	.00	.00	100.00
(2)	.13	.45	1.60	3.37	1.38	.59	.41	.37	.40	.28	.30	.08	.04	.02	.05	.00	.00	.00	9.46

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Table 2.7-59 SSES 33' (10m) 2001-2006 Spring JFD
(Page 7 of 8)

33.0 FT WIND DATA		SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS G		WIND DIRECTION FROM												VRBL			
				CLASS FREQUENCY (PERCENT) = 8.00															
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
C-3	3	16	216	575	104	36	20	15	10	5	1	0	0	0	0	0	0	0	1002
(1)	.29	1.54	20.73	55.18	9.98	3.45	1.92	1.44	.96	.48	.10	.00	.00	.00	.00	.00	.00	.00	96.16
(2)	.02	.12	1.66	4.42	.80	.28	.15	.12	.08	.04	.01	.00	.00	.00	.00	.00	.00	.00	7.70
4-7	0	5	10	23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	39
(1)	.00	.48	.96	2.21	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.74
(2)	.00	.04	.08	.18	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30
8-12	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	3	21	226	599	104	36	21	15	10	5	1	0	0	0	0	0	0	0	1042
(1)	.29	2.02	21.69	57.49	9.98	3.45	2.02	1.44	.96	.48	.10	.00	.00	.00	.00	.00	.00	.00	100.00
(2)	.02	.16	1.74	4.60	.80	.28	.16	.12	.08	.04	.01	.00	.00	.00	.00	.00	.00	.00	8.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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Table 2.7-59 SSES 33' (10m) 2001-2006 Spring JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL		
		STABILITY CLASS ALL																		
		CLASS FREQUENCY (PERCENT) = 100.00																		
SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								W	WNW	NW	NNW	VRBL	
							S	SSW	SW	WSW	SE	SSE	S	SSW						SW
CALM	1	0	5	6	5	1	0	0	0	0	1	0	0	0	0	0	0	0	0	19
(1)	.01	.00	.04	.05	.04	.01	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.15
(2)	.01	.00	.04	.05	.04	.01	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.15
C-3	105	327	775	1376	602	353	315	263	307	278	174	64	45	22	29	40	40	40	0	5075
(1)	.81	2.51	5.95	10.57	4.62	2.71	2.42	2.02	2.36	2.14	1.34	.49	.35	.17	.22	.31	.31	.31	.00	38.98
(2)	.81	2.51	5.95	10.57	4.62	2.71	2.42	2.02	2.36	2.14	1.34	.49	.35	.17	.22	.31	.31	.31	.00	38.98
4-7	375	578	471	195	169	186	220	231	300	418	575	245	151	144	169	189	189	189	0	4616
(1)	2.88	4.44	3.62	1.50	1.30	1.43	1.69	1.77	2.30	3.21	4.42	1.88	1.16	1.11	1.30	1.45	1.45	1.45	.00	35.45
(2)	2.88	4.44	3.62	1.50	1.30	1.43	1.69	1.77	2.30	3.21	4.42	1.88	1.16	1.11	1.30	1.45	1.45	1.45	.00	35.45
8-12	332	204	79	24	38	50	86	68	138	123	405	309	178	215	330	287	287	287	0	2866
(1)	2.55	1.57	.61	.18	.29	.38	.66	.52	1.06	.94	3.11	2.37	1.37	1.65	2.53	2.20	2.20	2.20	.00	22.01
(2)	2.55	1.57	.61	.18	.29	.38	.66	.52	1.06	.94	3.11	2.37	1.37	1.65	2.53	2.20	2.20	2.20	.00	22.01
13-18	17	4	3	0	2	3	7	2	5	3	59	107	81	52	47	41	41	41	0	433
(1)	.13	.03	.02	.00	.02	.02	.05	.02	.04	.02	.45	.82	.62	.40	.36	.31	.31	.31	.00	3.33
(2)	.13	.03	.02	.00	.02	.02	.05	.02	.04	.02	.45	.82	.62	.40	.36	.31	.31	.31	.00	3.33
19-24	0	0	0	0	0	0	0	0	0	0	3	6	2	0	0	1	1	1	0	12
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.05	.02	.00	.00	.01	.01	.01	.00	.09
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.05	.02	.00	.00	.01	.01	.01	.00	.09
GT 24	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	830	1113	1333	1601	816	593	628	564	750	823	1216	731	457	433	575	558	558	558	0	13021
(1)	6.37	8.55	10.24	12.30	6.27	4.55	4.82	4.33	5.76	6.32	9.34	5.61	3.51	3.33	4.42	4.29	4.29	4.29	.00	100.00
(2)	6.37	8.55	10.24	12.30	6.27	4.55	4.82	4.33	5.76	6.32	9.34	5.61	3.51	3.33	4.42	4.29	4.29	4.29	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-60 SSES 33' (10m) 2001-2006 Summer JFD
(Page 1 of 8)

33.0 FT WIND DATA		SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
STABILITY CLASS A		CLASS FREQUENCY (PERCENT) = 10.27													VRBL				
		WIND DIRECTION FROM													NNW				
															NW				
															WNW				
															W				
															WSW				
															SW				
															SSW				
															S				
															SSE				
															SE				
															ESE				
															E				
															ENE				
															NE				
															NNE				
															N				
															NNE				
															NE				
															ENE				
															E				
															ESE				
															SE				
															SSE				
															S				
															SSW				
															SW				
															WSW				
															W				
															WNW				
															NW				
															NNW				
															TOTAL				
SPEED MPH		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		2	6	23	28	28	27	24	22	27	22	17	6	3	2	0	2	0	239
(1)		.15	.44	1.69	2.06	2.06	1.99	1.76	1.62	1.99	1.62	1.25	.44	.22	.15	.00	.15	.00	17.57
(2)		.02	.05	.17	.21	.21	.20	.18	.17	.20	.17	.13	.05	.02	.02	.00	.02	.00	1.80
4-7		26	47	43	22	17	8	33	25	46	143	253	44	7	12	5	16	0	747
(1)		1.91	3.46	3.16	1.62	1.25	.59	2.43	1.84	3.38	10.51	18.60	3.24	.51	.88	.37	1.18	.00	54.93
(2)		.20	.35	.32	.17	.13	.06	.25	.19	.35	1.08	1.91	.33	.05	.09	.04	.12	.00	5.64
8-12		27	22	0	0	0	2	2	0	2	12	166	99	21	1	7	9	0	370
(1)		1.99	1.62	.00	.00	.00	.15	.15	.00	.15	.88	12.21	7.28	1.54	.07	.51	.66	.00	27.21
(2)		.20	.17	.00	.00	.00	.02	.02	.00	.02	.09	1.25	.75	.16	.01	.05	.07	.00	2.79
13-18		2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4
(1)		.15	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00	.29
(2)		.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.03
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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		57	76	66	50	45	37	59	47	75	177	436	150	31	15	12	27	0	1360
(1)		4.19	5.59	4.85	3.68	3.31	2.72	4.34	3.46	5.51	13.01	32.06	11.03	2.28	1.10	.88	1.99	.00	100.00
(2)		.43	.57	.50	.38	.34	.28	.45	.35	.57	1.34	3.29	1.13	.23	.11	.09	.20	.00	10.27

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-60 SSES 33' (10m) 2001-2006 Summer JFD
(Page 2 of 8)

33.0 FT WIND DATA		SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL													
		STABILITY CLASS B		WIND DIRECTION FROM												NNW	NW		WNW	W	WSW	SW	SSW	S	SE	ESE	E	ENE	NE	NNE	N
		CLASS FREQUENCY (PERCENT) = 4.32		CLASS FREQUENCY (PERCENT)																											
SPEED MPH		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL												
CALM		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	.00											
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00											
C-3		6	1	10	17	14	12	10	6	9	3	6	1	0	0	0	1	0	0	96											
(1)		1.05	.17	1.75	2.97	2.45	2.10	1.75	1.05	1.57	.52	1.05	.17	.00	.00	.00	.17	.00	.00	16.78											
(2)		.05	.01	.08	.13	.11	.09	.08	.05	.07	.02	.05	.01	.00	.00	.00	.01	.00	.00	.72											
4-7		15	39	25	11	4	2	11	6	10	44	95	18	9	2	4	8	0	0	303											
(1)		2.62	6.82	4.37	1.92	.70	.35	1.92	1.05	1.75	7.69	16.61	3.15	1.57	.35	.70	1.40	.00	.00	52.97											
(2)		.11	.29	.19	.08	.03	.02	.08	.05	.08	.33	.72	.14	.07	.02	.03	.06	.00	.00	2.29											
8-12		20	9	0	0	0	1	0	0	0	5	64	33	16	5	6	12	0	0	171											
(1)		3.50	1.57	.00	.00	.00	.17	.00	.00	.00	.87	11.19	5.77	2.80	.87	1.05	2.10	.00	.00	29.90											
(2)		.15	.07	.00	.00	.00	.01	.00	.00	.00	.04	.48	.25	.12	.04	.05	.09	.00	.00	1.29											
13-18		1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2											
(1)		.17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.00	.00	.00	.00	.00	.00	.35											
(2)		.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.02											
19-24		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	.00											
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00											
GT 24		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	.00											
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00											
ALL SPEEDS		42	49	35	28	18	15	21	12	19	52	165	53	25	7	10	21	0	0	572											
(1)		7.34	8.57	6.12	4.90	3.15	2.62	3.67	2.10	3.32	9.09	28.85	9.27	4.37	1.22	1.75	3.67	.00	.00	100.00											
(2)		.32	.37	.26	.21	.14	.11	.16	.09	.14	.39	1.25	.40	.19	.05	.08	.16	.00	.00	4.32											

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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-60 SSES 33' (10m) 2001-2006 Summer JFD
(Page 3 of 8)

33.0 FT WIND DATA	SPEED MPH	SSSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		CLASS FREQUENCY (PERCENT) = 5.43																	
		WIND DIRECTION FROM																	
STABILITY CLASS C	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	5	13	11	20	22	14	13	8	16	13	6	0	3	0	1	1	1	0	146
(1)	.70	1.81	1.53	2.78	3.06	1.95	1.81	1.11	2.23	1.81	.83	.00	.42	.00	.14	.14	.00	.00	20.31
(2)	.04	.10	.08	.15	.17	.11	.10	.06	.12	.10	.05	.00	.02	.00	.01	.01	.00	.00	1.10
4-7	36	34	19	8	3	5	11	8	17	52	118	29	10	7	13	13	0	0	383
(1)	5.01	4.73	2.64	1.11	.42	.70	1.53	1.11	2.36	7.23	16.41	4.03	1.39	.97	1.81	1.81	.00	.00	53.27
(2)	.27	.26	.14	.06	.02	.04	.08	.06	.13	.39	.89	.22	.08	.05	.10	.10	.00	.00	2.89
8-12	20	5	0	0	0	0	0	0	2	1	53	51	11	4	18	16	0	0	181
(1)	2.78	.70	.00	.00	.00	.00	.00	.00	.28	.14	7.37	7.09	1.53	.56	2.50	2.23	.00	.00	25.17
(2)	.15	.04	.00	.00	.00	.00	.00	.00	.02	.01	.40	.39	.08	.03	.14	.12	.00	.00	1.37
13-18	0	0	0	0	0	0	0	0	0	0	0	5	0	0	2	2	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.70	.00	.00	.28	.28	.00	.00	1.25
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.02	.02	.00	.00	.07
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	61	52	30	28	25	19	24	16	35	66	177	85	24	11	34	32	0	0	719
(1)	8.48	7.23	4.17	3.89	3.48	2.64	3.34	2.23	4.87	9.18	24.62	11.82	3.34	1.53	4.73	4.45	.00	.00	100.00
(2)	.46	.39	.23	.21	.19	.14	.18	.12	.26	.50	1.34	.64	.18	.08	.26	.24	.00	.00	5.43

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Table 2.7-60 SSES 33' (10m) 2001-2006 Summer JFD
(Page 4 of 8)

33.0 FT WIND DATA	SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL				
	CLASS FREQUENCY (PERCENT) = 29.75																				
	WIND DIRECTION FROM																				
STABILITY CLASS D	WIND DIRECTION FROM																VRBL				
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL			
CALM	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	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	49	131	186	168	162	127	140	101	145	146	104	34	13	7	11	10	10	0	1534		
(1)	1.24	3.32	4.72	4.26	4.11	3.22	3.55	2.56	3.68	3.70	2.64	.86	.33	.18	.28	.25	.00	.00	38.92		
(2)	.37	.99	1.40	1.27	1.22	.96	1.06	.76	1.09	1.10	.79	.26	.10	.05	.08	.08	.00	.00	11.58		
4-7	165	210	100	36	37	65	104	93	145	246	376	127	45	43	58	111	0	1961			
(1)	4.19	5.33	2.54	.91	.94	1.65	2.64	2.36	3.68	6.24	9.54	3.22	1.14	1.09	1.47	2.82	.00	.00	49.76		
(2)	1.25	1.59	.75	.27	.28	.49	.79	.70	1.09	1.86	2.84	.96	.34	.32	.44	.84	.00	.00	14.80		
8-12	47	21	1	0	1	3	2	1	8	8	145	81	21	9	43	48	0	439			
(1)	1.19	.53	.03	.00	.03	.08	.05	.03	.20	.20	3.68	2.06	.53	.23	1.09	1.22	.00	11.14			
(2)	.35	.16	.01	.00	.01	.02	.02	.01	.06	.06	1.09	.61	.16	.07	.32	.36	.00	3.31			
13-18	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	7			
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.00	.00	.00	.00	.00	.18			
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.05			
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	261	362	287	204	200	195	246	195	298	400	625	249	79	59	112	169	0	3941			
(1)	6.62	9.19	7.28	5.18	5.07	4.95	6.24	4.95	7.56	10.15	15.86	6.32	2.00	1.50	2.84	4.29	.00	100.00			
(2)	1.97	2.73	2.17	1.54	1.51	1.47	1.86	1.47	2.25	3.02	4.72	1.88	.60	.45	.85	1.28	.00	29.75			

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-60 SSES 33' (10m) 2001-2006 Summer JFD
(Page 5 of 8)

33.0 FT WIND DATA		SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL				
		CLASS FREQUENCY (PERCENT) = 30.03																				
		WIND DIRECTION FROM																				
SPEED MPH	STABILITY CLASS E	WIND DIRECTION FROM																TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL			
CALM		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	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		67	221	479	637	429	251	243	194	275	191	58	21	12	11	11	8	0	0	0	3108	
(1)		1.68	5.56	12.04	16.01	10.78	6.31	6.11	4.88	6.91	4.80	1.46	.53	.30	.28	.28	.20	.00	.00	.00	78.13	
(2)		.51	1.67	3.62	4.81	3.24	1.89	1.83	1.46	2.08	1.44	.44	.16	.09	.08	.08	.06	.00	.00	.00	23.46	
4-7		88	141	48	13	8	17	29	21	63	161	128	23	8	13	19	44	0	0	0	824	
(1)		2.21	3.54	1.21	.33	.20	.43	.73	.53	1.58	4.05	3.22	.58	.20	.33	.48	1.11	.00	.00	.00	20.71	
(2)		.66	1.06	.36	.10	.06	.13	.22	.16	.48	1.22	.97	.17	.06	.10	.14	.33	.00	.00	.00	6.22	
8-12		6	5	0	0	0	0	1	3	5	1	7	3	3	2	4	6	0	0	0	46	
(1)		.15	.13	.00	.00	.00	.00	.03	.08	.13	.03	.18	.08	.08	.05	.10	.15	.00	.00	.00	1.16	
(2)		.05	.04	.00	.00	.00	.00	.01	.02	.04	.01	.05	.02	.02	.02	.03	.05	.00	.00	.00	.35	
13-18		0	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	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
19-24		0	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	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24		0	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	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS		161	367	527	650	437	268	273	218	343	353	193	47	23	26	34	58	0	0	0	3978	
(1)		4.05	9.23	13.25	16.34	10.99	6.74	6.86	5.48	8.62	8.87	4.85	1.18	.58	.65	.85	1.46	.00	.00	.00	100.00	
(2)		1.22	2.77	3.98	4.91	3.30	2.02	2.06	1.65	2.59	2.66	1.46	.35	.17	.20	.26	.44	.00	.00	.00	30.03	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-60 SSES 33' (10m) 2001-2006 Summer JFD
(Page 6 of 8)

33.0 FT WIND DATA		SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL								
		STABILITY CLASS F		WIND DIRECTION FROM												NNW	NW		WNW	W	WSW	SW	SSW	S	SE	SSE
		CLASS FREQUENCY (PERCENT) = 15.10		CLASS FREQUENCY (PERCENT) = 15.10																						
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL								
CALM	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	.00							
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
C-3	7	44	205	1015	360	113	72	38	49	32	11	1	0	1	3	3	0	1954								
(1)	.35	2.20	10.25	50.75	18.00	5.65	3.60	1.90	2.45	1.60	.55	.05	.00	.05	.15	.15	.00	97.70								
(2)	.05	.33	1.55	7.66	2.72	.85	.54	.29	.37	.24	.08	.01	.00	.01	.02	.02	.00	14.75								
4-7	3	14	6	15	1	0	0	0	0	3	2	0	0	0	1	1	0	46								
(1)	.15	.70	.30	.75	.05	.00	.00	.00	.00	.15	.10	.00	.00	.00	.05	.05	.00	2.30								
(2)	.02	.11	.05	.11	.01	.00	.00	.00	.00	.02	.02	.00	.00	.00	.01	.01	.00	.35								
8-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00								
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00								
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00								
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00								
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00								
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00								
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	58	211	1030	361	113	72	38	49	35	13	1	0	1	4	4	0	2000								
(1)	.50	2.90	10.55	51.50	18.05	5.65	3.60	1.90	2.45	1.75	.65	.05	.00	.05	.20	.20	.00	100.00								
(2)	.08	.44	1.59	7.78	2.73	.85	.54	.29	.37	.26	.10	.01	.00	.01	.03	.03	.00	15.10								

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-60 SSES 33' (10m) 2001-2006 Summer JFD
(Page 7 of 8)

33.0 FT WIND DATA	SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL
	CLASS FREQUENCY (PERCENT) = 5.10																
	WIND DIRECTION FROM																
STABILITY CLASS G	WIND DIRECTION FROM																VRBL
SPEED MPH	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	5	87	450	77	24	8	5	5	1	1	0	0	1	1	0	665
(1)	.00	.74	12.87	66.57	11.39	3.55	1.18	.74	.74	.15	.15	.00	.00	.15	.15	.00	98.37
(2)	.00	.04	.66	3.40	.58	.18	.06	.04	.04	.01	.01	.00	.00	.01	.01	.00	5.02
4-7	1	0	0	8	0	0	0	0	1	1	1	0	0	0	0	0	11
(1)	.15	.00	.00	1.18	.00	.00	.00	.00	.15	.15	.15	.00	.00	.00	.00	.00	1.63
(2)	.01	.00	.00	.06	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.08
8-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1	5	87	458	77	24	8	5	5	2	2	0	0	1	1	0	676
(1)	.15	.74	12.87	67.75	11.39	3.55	1.18	.74	.74	.30	.30	.00	.00	.15	.15	.00	100.00
(2)	.01	.04	.66	3.46	.58	.18	.06	.04	.04	.02	.02	.00	.00	.01	.01	.00	5.10

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-60 SSES 33' (10m) 2001-2006 Summer JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL			
		STABILITY CLASS ALL																			
		CLASS FREQUENCY (PERCENT) = 100.00																			
SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								WNW	NW	NNW	VRBL			
							SE	SSE	S	SSW	SW	WSW	W	WNW					NW	NNW	
CALM	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	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	136	421	1001	2335	1092	568	510	374	526	408	203	63	31	21	27	26	26	0	7742		
(1)	1.03	3.18	7.56	17.63	8.24	4.29	3.85	2.82	3.97	3.08	1.53	.48	.23	.16	.20	.20	.20	.00	58.45		
(2)	1.03	3.18	7.56	17.63	8.24	4.29	3.85	2.82	3.97	3.08	1.53	.48	.23	.16	.20	.20	.20	.00	58.45		
4-7	334	485	241	113	70	97	188	153	281	650	973	241	79	77	100	193	0	4275			
(1)	2.52	3.66	1.82	.85	.53	.73	1.42	1.16	2.12	4.91	7.35	1.82	.60	.58	.75	1.46	.00	32.27			
(2)	2.52	3.66	1.82	.85	.53	.73	1.42	1.16	2.12	4.91	7.35	1.82	.60	.58	.75	1.46	.00	32.27			
8-12	120	62	1	0	1	6	5	4	17	27	435	267	72	21	78	91	0	1207			
(1)	.91	.47	.01	.00	.01	.05	.04	.03	.13	.20	3.28	2.02	.54	.16	.59	.69	.00	9.11			
(2)	.91	.47	.01	.00	.01	.05	.04	.03	.13	.20	3.28	2.02	.54	.16	.59	.69	.00	9.11			
13-18	3	1	0	0	0	0	0	0	0	0	0	14	0	0	2	2	0	22			
(1)	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.02	.02	.00	.17			
(2)	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.02	.02	.00	.17			
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	593	969	1243	2448	1163	671	703	531	824	1085	1611	585	182	119	207	312	0	13246			
(1)	4.48	7.32	9.38	18.48	8.78	5.07	5.31	4.01	6.22	8.19	12.16	4.42	1.37	.90	1.56	2.36	.00	100.00			
(2)	4.48	7.32	9.38	18.48	8.78	5.07	5.31	4.01	6.22	8.19	12.16	4.42	1.37	.90	1.56	2.36	.00	100.00			

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-61 SSES 33' (10m) 2001-2006 Autumn JFD
(Page 1 of 8)

33.0 FT WIND DATA		SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL									
STABILITY CLASS A		CLASS FREQUENCY (PERCENT) = 3.51													TOTAL									
SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								W	WNW	NW	NNW	VRBL	TOTAL				
							SE	SSE	S	SSW	SW	WSW	WS	WSW							W	WNW	NW	NNW
CALM	0	0	0	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	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
C-3	0	5	5	6	12	17	10	7	6	8	8	1	0	0	1	2	0	2	0	95	0	95	0	
(1)	.00	1.11	1.11	1.33	2.66	3.77	2.22	1.55	1.33	1.77	1.77	.22	.00	.00	.22	.44	.00	.22	.44	21.06	.00	21.06	.00	
(2)	.00	.04	.04	.05	.09	.13	.08	.05	.05	.06	.06	.01	.00	.00	.01	.02	.00	.01	.02	.74	.00	.74	.00	
4-7	6	16	19	4	4	2	13	25	32	45	70	16	2	0	5	3	0	5	3	262	0	262	0	
(1)	1.33	3.55	4.21	.89	.89	.44	2.88	5.54	7.10	9.98	15.52	3.55	.44	.00	1.11	.67	.00	1.11	.67	58.09	.00	58.09	.00	
(2)	.05	.12	.15	.03	.03	.02	.10	.19	.25	.35	.54	.12	.02	.00	.04	.02	.00	.04	.02	2.04	.00	2.04	.00	
8-12	10	2	4	0	0	0	1	6	9	8	37	11	1	2	0	3	0	2	3	94	0	94	0	
(1)	2.22	.44	.89	.00	.00	.00	.22	1.33	2.00	1.77	8.20	2.44	.22	.44	.00	.67	.00	.44	.67	20.84	.00	20.84	.00	
(2)	.08	.02	.03	.00	.00	.00	.01	.05	.07	.06	.29	.09	.01	.02	.00	.02	.00	.02	.02	.73	.00	.73	.00	
13-18	0	0	0	0	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	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	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	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	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	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	16	23	28	10	16	19	24	38	48	59	115	35	4	2	6	8	0	2	6	451	0	451	0	
(1)	3.55	5.10	6.21	2.22	3.55	4.21	5.32	8.43	10.64	13.08	25.50	7.76	.89	.44	1.33	1.77	.00	.44	1.33	100.00	.00	100.00	.00	
(2)	.12	.18	.22	.08	.12	.15	.19	.30	.37	.46	.89	.27	.03	.02	.05	.06	.00	.02	.05	3.51	.00	3.51	.00	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-61 SSES 33' (10m) 2001-2006 Autumn JFD
(Page 2 of 8)

33.0 FT WIND DATA		SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL		
		STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 2.51																		
		WIND DIRECTION FROM																		
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL		
CALM	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	3	0	6	7	8	4	4	1	5	8	7	0	0	1	0	0	0	0	54	16.72
(1)	.93	.00	1.86	2.17	2.48	1.24	1.24	.31	1.55	2.48	2.17	.00	.00	.31	.00	.00	.00	.00	.00	.00
(2)	.02	.00	.05	.05	.06	.03	.03	.01	.04	.06	.05	.00	.00	.01	.00	.00	.00	.00	.00	.42
4-7	6	15	11	3	0	0	8	5	11	18	53	14	3	1	5	3	0	0	156	48.30
(1)	1.86	4.64	3.41	.93	.00	.00	2.48	1.55	3.41	5.57	16.41	4.33	.93	.31	1.55	.93	.00	.00	.00	.00
(2)	.05	.12	.09	.02	.00	.00	.06	.04	.09	.14	.41	.11	.02	.01	.04	.02	.00	.00	.00	1.21
8-12	2	6	0	0	0	0	4	3	6	2	36	20	9	5	2	8	0	0	103	31.89
(1)	.62	1.86	.00	.00	.00	.00	1.24	.93	1.86	.62	11.15	6.19	2.79	1.55	.62	2.48	.00	.00	.00	.00
(2)	.02	.05	.00	.00	.00	.00	.03	.02	.05	.02	.28	.16	.07	.04	.02	.06	.00	.00	.00	.80
13-18	0	0	0	0	0	0	0	0	0	0	7	1	0	0	0	2	0	0	10	3.10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.17	.31	.00	.00	.00	.62	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.01	.00	.00	.00	.02	.00	.00	.00	.08
19-24	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	11	21	17	10	8	4	16	9	22	28	103	35	12	7	7	13	0	0	323	100.00
(1)	3.41	6.50	5.26	3.10	2.48	1.24	4.95	6.81	8.67	31.89	10.84	3.72	3.72	2.17	2.17	4.02	.00	.00	.00	.00
(2)	.09	.16	.13	.08	.06	.03	.12	.17	.22	.80	.27	.09	.09	.05	.05	.10	.00	.00	.00	2.51

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-61 SSES 33' (10m) 2001-2006 Autumn JFD
(Page 3 of 8)

33.0 FT WIND DATA	SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL				
	CLASS FREQUENCY (PERCENT) = 3.84																				
	WIND DIRECTION FROM																				
STABILITY CLASS C	WIND DIRECTION FROM																VRBL				
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL			
CALM	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	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	1	5	8	6	7	5	7	5	7	9	1	3	1	0	1	0	0	67	0	67
(1)	.20	.20	1.01	1.62	1.21	1.42	1.01	1.42	1.01	1.42	1.82	.20	.61	.20	.00	.20	.00	.00	13.56	.00	13.56
(2)	.01	.01	.04	.06	.05	.05	.04	.05	.04	.05	.07	.01	.02	.01	.00	.01	.00	.00	.52	.00	.52
4-7	9	32	17	6	0	5	9	11	22	20	80	22	7	9	3	4	0	0	256	0	256
(1)	1.82	6.48	3.44	1.21	.00	1.01	1.82	2.23	4.45	4.05	16.19	4.45	1.42	1.82	.61	.81	.00	.00	51.82	.00	51.82
(2)	.07	.25	.13	.05	.00	.04	.07	.09	.17	.16	.62	.17	.05	.07	.02	.03	.00	.00	1.99	.00	1.99
8-12	25	14	0	0	1	0	4	5	7	5	31	31	12	2	5	11	0	0	153	0	153
(1)	5.06	2.83	.00	.00	.20	.00	.81	1.01	1.42	1.01	6.28	6.28	2.43	.40	1.01	2.23	.00	.00	30.97	.00	30.97
(2)	.19	.11	.00	.00	.01	.00	.03	.04	.05	.04	.24	.24	.09	.02	.04	.09	.00	.00	1.19	.00	1.19
13-18	0	0	0	0	0	0	0	0	0	0	7	8	0	0	1	2	0	0	18	0	18
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.42	1.62	.00	.00	.20	.40	.00	.00	3.64	.00	3.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.06	.00	.00	.01	.02	.00	.00	.14	.00	.14
19-24	0	0	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	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	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	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	35	47	22	14	7	12	18	23	34	32	127	62	22	12	9	18	0	0	494	0	494
(1)	7.09	9.51	4.45	2.83	1.42	2.43	3.64	4.66	6.88	6.48	25.71	12.55	4.45	2.43	1.82	3.64	.00	.00	100.00	.00	100.00
(2)	.27	.37	.17	.11	.05	.09	.14	.18	.26	.25	.99	.48	.17	.09	.07	.14	.00	.00	3.84	.00	3.84

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-61 SSES 33' (10m) 2001-2006 Autumn JFD
(Page 4 of 8)

33.0 FT WIND DATA		SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL
		CLASS FREQUENCY (PERCENT) = 35.66																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS D	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	
		CALM		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)		.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
C-3		32	118	137	113	119	113	98	101	93	62	39	7	13	15	9	0	
(1)		.70	2.57	2.99	2.46	2.59	2.46	2.14	2.20	2.03	1.35	.85	.15	.28	.33	.20	.00	
(2)		.25	.92	1.07	.88	.93	.88	.76	.79	.72	.48	.30	.05	.10	.12	.07	.00	
4-7		193	306	184	48	60	132	99	131	158	234	118	91	77	82	116	0	
(1)		4.21	6.67	4.01	1.05	1.31	2.88	2.16	2.86	3.45	5.10	2.57	1.98	1.68	1.79	2.53	.00	
(2)		1.50	2.38	1.43	.37	.47	1.03	.77	1.02	1.23	1.82	.92	.71	.60	.64	.90	.00	
8-12		101	37	2	5	4	46	26	28	28	155	135	91	87	185	139	0	
(1)		2.20	.81	.04	.11	.09	1.00	.57	.61	.61	3.38	2.94	1.98	1.90	4.03	3.03	.00	
(2)		.79	.29	.02	.04	.03	.36	.20	.22	.22	1.21	1.05	.71	.68	1.44	1.08	.00	
13-18		4	0	0	3	0	5	12	8	0	25	83	20	30	30	19	0	
(1)		.09	.00	.00	.07	.00	.11	.26	.17	.00	.55	1.81	.44	.65	.65	.41	.00	
(2)		.03	.00	.00	.02	.00	.04	.09	.06	.00	.19	.65	.16	.23	.23	.15	.00	
19-24		0	0	0	0	0	0	0	0	0	1	17	7	1	2	0	0	
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.37	.15	.02	.04	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.13	.05	.01	.02	.00	.00	
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS		330	461	323	170	151	183	296	235	268	279	477	392	216	208	314	283	
(1)		7.20	10.05	7.04	3.71	3.29	3.99	6.45	5.12	5.84	6.08	10.40	8.55	4.71	4.54	6.85	6.17	
(2)		2.57	3.58	2.51	1.32	1.17	1.42	2.30	1.83	2.08	2.17	3.71	3.05	1.68	1.62	2.44	2.20	

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Table 2.7-61 SSES 33' (10m) 2001-2006 Autumn JFD
(Page 5 of 8)

33.0 FT WIND DATA		SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS E		CLASS FREQUENCY (PERCENT) = 31.66															
				WIND DIRECTION FROM															
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.05	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07
(2)	.00	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3	67	231	369	435	310	196	199	194	230	165	83	21	15	5	9	12	0	0	2541
(1)	1.65	5.67	9.06	10.68	7.61	4.81	4.89	4.76	5.65	4.05	2.04	.52	.37	.12	.22	.29	.00	.00	62.40
(2)	.52	1.80	2.87	3.38	2.41	1.52	1.55	1.51	1.79	1.28	.65	.16	.12	.04	.07	.09	.00	.00	19.76
4-7	87	234	117	29	13	20	32	60	124	197	135	68	34	19	32	51	0	0	1252
(1)	2.14	5.75	2.87	.71	.32	.49	.79	1.47	3.05	4.84	3.32	1.67	.83	.47	.79	1.25	.00	.00	30.75
(2)	.68	1.82	.91	.23	.10	.16	.25	.47	.96	1.53	1.05	.53	.26	.15	.25	.40	.00	.00	9.73
8-12	6	22	13	8	2	8	13	29	36	27	34	22	1	1	5	12	0	0	239
(1)	.15	.54	.32	.20	.05	.20	.32	.71	.88	.66	.83	.54	.02	.02	.12	.29	.00	.00	5.87
(2)	.05	.17	.10	.06	.02	.06	.10	.23	.28	.21	.26	.17	.01	.01	.04	.09	.00	.00	1.86
13-18	0	3	0	3	0	7	7	6	3	0	3	4	0	0	0	0	0	0	36
(1)	.00	.07	.00	.07	.00	.17	.17	.15	.07	.00	.07	.10	.00	.00	.00	.00	.00	.00	.88
(2)	.00	.02	.00	.02	.00	.05	.05	.05	.02	.00	.02	.03	.00	.00	.00	.00	.00	.00	.28
19-24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	160	491	499	477	326	231	251	289	393	389	255	115	50	25	46	75	0	0	4072
(1)	3.93	12.06	12.25	11.71	8.01	5.67	6.16	7.10	9.65	9.55	6.26	2.82	1.23	.61	1.13	1.84	.00	.00	100.00
(2)	1.24	3.82	3.88	3.71	2.53	1.80	1.95	2.25	3.06	3.02	1.98	.89	.39	.19	.36	.58	.00	.00	31.66

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Table 2.7-61 SSES 33' (10m) 2001-2006 Autumn JFD
(Page 6 of 8)

33.0 FT WIND DATA	SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL		
	CLASS FREQUENCY (PERCENT) = 13.29																		
	WIND DIRECTION FROM																		
STABILITY CLASS F	WIND DIRECTION FROM																VRBL		
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
(2)	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
C-3	11	55	226	763	255	82	57	55	68	34	12	4	1	1	3	4	0	0	1631
(1)	.64	3.22	13.22	44.65	14.92	4.80	3.34	3.22	3.98	1.99	.70	.23	.06	.06	.18	.23	.00	.00	95.44
(2)	.09	.43	1.76	5.93	1.98	.64	.44	.43	.53	.26	.09	.03	.01	.01	.02	.03	.00	.00	12.68
4-7	0	14	13	25	0	0	0	3	2	9	6	3	0	0	0	2	0	0	77
(1)	.00	.82	.76	1.46	.00	.00	.00	.18	.12	.53	.35	.18	.00	.00	.00	.12	.00	.00	4.51
(2)	.00	.11	.10	.19	.00	.00	.00	.02	.02	.07	.05	.02	.00	.00	.00	.02	.00	.00	.60
8-12	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	11	70	239	788	255	82	57	58	70	43	18	7	1	1	3	6	0	0	1709
(1)	.64	4.10	13.98	46.11	14.92	4.80	3.34	3.39	4.10	2.52	1.05	.41	.06	.06	.18	.35	.00	.00	100.00
(2)	.09	.54	1.86	6.13	1.98	.64	.44	.45	.54	.33	.14	.05	.01	.01	.02	.05	.00	.00	13.29

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-61 SSES 33' (10m) 2001-2006 Autumn JFD
(Page 7 of 8)

33.0 FT WIND DATA		SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 9.54			
STABILITY CLASS G		WIND DIRECTION FROM													TOTAL			
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
C-3	6	13	172	763	148	43	23	9	11	4	4	0	0	0	1	2	0	1199
(1)	.49	1.06	14.02	62.18	12.06	3.50	1.87	.73	.90	.33	.33	.00	.00	.00	.08	.16	.00	97.72
(2)	.05	.10	1.34	5.93	1.15	.33	.18	.07	.09	.03	.03	.00	.00	.00	.01	.02	.00	9.32
4-7	1	0	6	19	1	0	0	0	0	0	0	0	0	0	0	0	0	27
(1)	.08	.00	.49	1.55	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.20
(2)	.01	.00	.05	.15	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21
8-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	13	178	782	149	43	23	9	11	4	4	0	0	0	1	2	0	1227
(1)	.65	1.06	14.51	63.73	12.14	3.50	1.87	.73	.90	.33	.33	.00	.00	.00	.08	.16	.00	100.00
(2)	.06	.10	1.38	6.08	1.16	.33	.18	.07	.09	.03	.03	.00	.00	.00	.01	.02	.00	9.54

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-61 SSES 33' (10m) 2001-2006 Autumn JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 100.00																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
																			STABILITY CLASS ALL
CALM	1	1	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6
(1)	.01	.01	.00	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
(2)	.01	.01	.00	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
C-3	120	423	920	2095	860	468	411	371	427	317	185	73	27	21	29	30	0	6777	
(1)	.93	3.29	7.15	16.29	6.69	3.64	3.20	2.88	3.32	2.46	1.44	.57	.21	.16	.23	.23	.00	52.69	
(2)	.93	3.29	7.15	16.29	6.69	3.64	3.20	2.88	3.32	2.46	1.44	.57	.21	.16	.23	.23	.00	52.69	
4-7	302	617	367	134	47	87	194	203	322	447	578	241	137	106	127	179	0	4088	
(1)	2.35	4.80	2.85	1.04	.37	.68	1.51	1.58	2.50	3.48	4.49	1.87	1.07	.82	.99	1.39	.00	31.78	
(2)	2.35	4.80	2.85	1.04	.37	.68	1.51	1.58	2.50	3.48	4.49	1.87	1.07	.82	.99	1.39	.00	31.78	
8-12	144	81	19	13	4	12	68	69	86	70	293	219	114	97	197	173	0	1659	
(1)	1.12	.63	.15	.10	.03	.09	.53	.54	.67	.54	2.28	1.70	.89	.75	1.53	1.35	.00	12.90	
(2)	1.12	.63	.15	.10	.03	.09	.53	.54	.67	.54	2.28	1.70	.89	.75	1.53	1.35	.00	12.90	
13-18	4	3	0	6	0	7	12	18	11	0	42	96	20	30	31	23	0	303	
(1)	.03	.02	.00	.05	.00	.05	.09	.14	.09	.00	.33	.75	.16	.23	.24	.18	.00	2.36	
(2)	.03	.02	.00	.05	.00	.05	.09	.14	.09	.00	.33	.75	.16	.23	.24	.18	.00	2.36	
19-24	0	1	0	0	0	0	0	0	0	0	1	17	7	1	2	0	0	29	
(1)	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.13	.05	.01	.02	.00	.00	.23	
(2)	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.13	.05	.01	.02	.00	.00	.23	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	571	1126	1306	2251	912	574	685	661	846	834	1099	646	305	255	386	405	0	12862	
(1)	4.44	8.75	10.15	17.50	7.09	4.46	5.33	5.14	6.58	6.48	8.54	5.02	2.37	1.98	3.00	3.15	.00	100.00	
(2)	4.44	8.75	10.15	17.50	7.09	4.46	5.33	5.14	6.58	6.48	8.54	5.02	2.37	1.98	3.00	3.15	.00	100.00	

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Table 2.7-62 SSES 33' (10m) 2001-2006 January JFD
(Page 1 of 8)

33.0 FT WIND DATA		SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL							
STABILITY CLASS A		CLASS FREQUENCY (PERCENT) = 1.84													TOTAL							
		WIND DIRECTION FROM																				
SPEED MPH		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL				
CALM		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	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		0	0	0	1	2	1	1	2	0	1	1	0	0	0	0	0	0	0	0	8	
(1)		.00	.00	.00	2.44	1.22	2.44	1.22	2.44	.00	1.22	1.22	.00	.00	.00	.00	.00	.00	.00	.00	9.76	
(2)		.00	.00	.00	.04	.02	.04	.02	.04	.00	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.18	
4-7		0	0	0	0	0	1	1	1	9	12	10	2	1	1	0	0	0	0	0	37	
(1)		.00	.00	.00	.00	.00	.00	1.22	1.22	10.98	14.63	12.20	2.44	1.22	1.22	.00	.00	.00	.00	.00	45.12	
(2)		.00	.00	.00	.00	.00	.00	.02	.02	.20	.27	.22	.04	.02	.02	.00	.00	.00	.00	.00	.83	
8-12		0	0	0	0	0	0	0	0	0	5	16	7	2	0	0	0	0	0	0	30	
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	6.10	19.51	8.54	2.44	.00	.00	.00	.00	.00	.00	36.59	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.36	.16	.04	.00	.00	.00	.00	.00	.00	.67	
13-18		0	0	0	0	0	0	0	0	0	0	2	5	0	0	0	0	0	0	0	7	
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.44	6.10	.00	.00	.00	.00	.00	.00	.00	8.54	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.11	.00	.00	.00	.00	.00	.00	.00	.16	
19-24		0	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	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24		0	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	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS		0	0	0	2	1	2	3	3	9	18	29	14	3	1	0	0	0	0	0	82	
(1)		.00	.00	.00	2.44	1.22	2.44	3.66	3.66	10.98	21.95	35.37	17.07	3.66	1.22	.00	.00	.00	.00	.00	100.00	
(2)		.00	.00	.00	.04	.02	.04	.07	.07	.20	.40	.65	.31	.07	.02	.00	.00	.00	.00	.00	1.84	

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Table 2.7-62 SSES 33' (10m) 2001-2006 January JFD
(Page 2 of 8)

33.0 FT WIND DATA	SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																	TOTAL
	CLASS FREQUENCY (PERCENT) = 1.66																	
	STABILITY CLASS B																	
SPEED MPH	WIND DIRECTION FROM																	VRBL
	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
C-3	0	0	0	1	1	0	2	0	1	0	1	0	0	1	0	0	7	
(1)	.00	.00	.00	1.35	1.35	.00	2.70	.00	1.35	.00	1.35	.00	.00	1.35	.00	.00	9.46	
(2)	.00	.00	.00	.02	.02	.00	.04	.00	.02	.00	.02	.00	.00	.02	.00	.00	.16	
4-7	0	1	2	0	0	0	2	2	3	6	1	2	1	1	1	0	22	
(1)	.00	1.35	2.70	.00	.00	.00	2.70	2.70	4.05	8.11	1.35	2.70	1.35	1.35	1.35	.00	29.73	
(2)	.00	.02	.04	.00	.00	.00	.04	.04	.07	.13	.02	.04	.02	.02	.02	.00	.49	
8-12	2	8	1	0	0	0	0	0	2	12	8	2	5	1	0	0	41	
(1)	2.70	10.81	1.35	.00	.00	.00	.00	.00	2.70	16.22	10.81	2.70	6.76	1.35	.00	.00	55.41	
(2)	.04	.18	.02	.00	.00	.00	.00	.00	.04	.27	.18	.04	.11	.02	.00	.00	.92	
13-18	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	4	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.35	4.05	.00	.00	.00	.00	.00	5.41	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.07	.00	.00	.00	.00	.00	.09	
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS	2	9	3	1	1	0	4	2	6	19	13	4	6	3	1	0	74	
(1)	2.70	12.16	4.05	.00	1.35	.00	5.41	2.70	8.11	25.68	17.57	5.41	8.11	4.05	1.35	.00	100.00	
(2)	.04	.20	.07	.00	.02	.00	.09	.04	.13	.43	.29	.09	.13	.07	.02	.00	1.66	

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Table 2.7-62 SSES 33' (10m) 2001-2006 January JFD
(Page 3 of 8)

33.0 FT WIND DATA		SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		CLASS FREQUENCY (PERCENT) = 2.49																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS C	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		0	0	0	1	4	2	0	4	2	1	0	0	0	0	0	0	14
(1)		.00	.00	.00	.90	3.60	1.80	.00	3.60	1.80	.90	.00	.00	.00	.00	.00	.00	12.61
(2)		.00	.00	.00	.02	.09	.04	.00	.09	.04	.02	.00	.00	.00	.00	.00	.00	.31
4-7		2	4	2	1	0	0	3	3	2	9	4	1	2	2	1	0	36
(1)		1.80	3.60	1.80	.90	.00	.00	2.70	2.70	1.80	8.11	3.60	.90	1.80	1.80	.90	.00	32.43
(2)		.04	.09	.04	.02	.00	.00	.07	.07	.04	.20	.09	.02	.04	.04	.02	.00	.81
8-12		6	1	0	0	0	0	0	0	0	23	9	3	4	3	6	0	55
(1)		5.41	.90	.00	.00	.00	.00	.00	.00	.00	20.72	8.11	2.70	3.60	2.70	5.41	.00	49.55
(2)		.13	.02	.00	.00	.00	.00	.00	.00	.00	.52	.20	.07	.09	.07	.13	.00	1.23
13-18		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	3.60	1.80	.00	.00	.00	.00	5.41
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.04	.00	.00	.00	.00	.13
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		8	5	2	0	4	2	3	7	4	33	17	6	6	5	7	0	111
(1)		7.21	4.50	1.80	.00	3.60	1.80	2.70	6.31	3.60	29.73	15.32	5.41	5.41	4.50	6.31	.00	100.00
(2)		.18	.11	.04	.00	.09	.04	.07	.16	.09	.74	.38	.13	.13	.11	.16	.00	2.49

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-62 SSES 33' (10m) 2001-2006 January JFD
(Page 4 of 8)

33.0 FT WIND DATA		SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 50.31																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS D	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		16	39	49	49	48	39	55	35	48	39	24	11	5	8	9	6	0	480
(1)		.71	1.74	2.18	2.18	2.14	1.74	2.45	1.56	2.14	1.74	1.07	.49	.22	.36	.40	.27	.00	21.37
(2)		.36	.87	1.10	1.10	1.08	.87	1.23	.78	1.08	.87	.54	.25	.11	.18	.20	.13	.00	10.75
4-7		117	79	86	11	7	9	30	26	49	94	106	46	40	42	52	68	0	862
(1)		5.21	3.52	3.83	.49	.31	.40	1.34	1.16	2.18	4.19	4.72	2.05	1.78	1.87	2.32	3.03	.00	38.38
(2)		2.62	1.77	1.93	.25	.16	.20	.67	.58	1.10	2.11	2.37	1.03	.90	.94	1.16	1.52	.00	19.31
8-12		75	19	13	4	1	2	3	5	3	11	159	103	63	49	98	145	0	753
(1)		3.34	.85	.58	.18	.04	.09	.13	.22	.13	.49	7.08	4.59	2.80	2.18	4.36	6.46	.00	33.53
(2)		1.68	.43	.29	.09	.02	.04	.07	.11	.07	.25	3.56	2.31	1.41	1.10	2.20	3.25	.00	16.87
13-18		5	0	0	0	0	2	2	0	0	1	11	49	11	8	29	32	0	150
(1)		.22	.00	.00	.00	.00	.09	.09	.00	.00	.04	.49	2.18	.49	.36	1.29	1.42	.00	6.68
(2)		.11	.00	.00	.00	.00	.04	.04	.00	.00	.02	.25	1.10	.25	.18	.65	.72	.00	3.36
19-24		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	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
(2)		.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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		213	137	148	64	56	52	91	66	100	145	300	209	119	107	188	251	0	2246
(1)		9.48	6.10	6.59	2.85	2.49	2.32	4.05	2.94	4.45	6.46	13.36	9.31	5.30	4.76	8.37	11.18	.00	100.00
(2)		4.77	3.07	3.32	1.43	1.25	1.16	2.04	1.48	2.24	3.25	6.72	4.68	2.67	2.40	4.21	5.62	.00	50.31

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-62 SSES 33' (10m) 2001-2006 January JFD
(Page 5 of 8)

33.0 FT WIND DATA		SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS E		WIND DIRECTION FROM												VRBL			
				CLASS FREQUENCY (PERCENT) = 28.49															
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	19	59	93	86	59	66	77	61	96	53	13	11	12	9	9	3	0	726	
(1)	1.49	4.64	7.31	6.76	4.64	5.19	6.05	4.80	7.55	4.17	1.02	.86	.94	.71	.71	.24	.00	57.08	
(2)	.43	1.32	2.08	1.93	1.32	1.48	1.72	1.37	2.15	1.19	.29	.25	.27	.20	.20	.07	.00	16.26	
4-7	49	66	52	6	9	9	1	8	30	73	85	19	12	5	9	21	0	454	
(1)	3.85	5.19	4.09	.47	.71	.71	.08	.63	2.36	5.74	6.68	1.49	.94	.39	.71	1.65	.00	35.69	
(2)	1.10	1.48	1.16	.13	.20	.20	.02	.18	.67	1.64	1.90	.43	.27	.11	.20	.47	.00	10.17	
8-12	12	5	7	0	0	1	0	2	7	12	17	9	3	1	4	5	0	85	
(1)	.94	.39	.55	.00	.00	.08	.00	.16	.55	.94	1.34	.71	.24	.08	.31	.39	.00	6.68	
(2)	.27	.11	.16	.00	.00	.02	.00	.04	.16	.27	.38	.20	.07	.02	.09	.11	.00	1.90	
13-18	0	0	0	0	0	0	1	1	3	0	0	2	0	0	0	0	0	7	
(1)	.00	.00	.00	.00	.00	.00	.08	.08	.24	.00	.00	.16	.00	.00	.00	.00	.00	.55	
(2)	.00	.00	.00	.00	.00	.00	.02	.02	.07	.00	.00	.04	.00	.00	.00	.00	.00	.16	
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	80	130	152	92	68	76	79	72	136	138	115	41	27	15	22	29	0	1272	
(1)	6.29	10.22	11.95	7.23	5.35	5.97	6.21	5.66	10.69	10.85	9.04	3.22	2.12	1.18	1.73	2.28	.00	100.00	
(2)	1.79	2.91	3.41	2.06	1.52	1.70	1.77	1.61	3.05	3.09	2.58	.92	.60	.34	.49	.65	.00	28.49	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-62 SSES 33' (10m) 2001-2006 January JFD
(Page 6 of 8)

33.0 FT WIND DATA		SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																	TOTAL		
		CLASS FREQUENCY (PERCENT) = 8.49																			
		WIND DIRECTION FROM																			
SPEED MPH	STABILITY CLASS F	WIND DIRECTION FROM																TOTAL			
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL		
CALM		0	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	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		4	10	51	112	64	30	20	21	35	10	4	1	0	1	0	1	0	1	0	364
(1)		1.06	2.64	13.46	29.55	16.89	7.92	5.28	5.54	9.23	2.64	1.06	.26	.00	.26	.00	.26	.00	.26	.00	96.04
(2)		.09	.22	1.14	2.51	1.43	.67	.45	.47	.78	.22	.09	.02	.00	.02	.00	.02	.00	.02	.00	8.15
4-7		0	0	1	0	0	0	0	3	3	3	3	0	1	0	0	1	0	1	0	15
(1)		.00	.00	.26	.00	.00	.00	.00	.79	.79	.79	.79	.00	.26	.00	.00	.26	.00	.26	.00	3.96
(2)		.00	.00	.02	.00	.00	.00	.00	.07	.07	.07	.07	.00	.02	.00	.00	.02	.00	.02	.00	.34
8-12		0	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	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18		0	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	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24		0	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	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	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	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		4	10	52	112	64	30	20	24	38	13	7	1	1	1	0	2	0	2	0	379
(1)		1.06	2.64	13.72	29.55	16.89	7.92	5.28	6.33	10.03	3.43	1.85	.26	.26	.26	.00	.53	.00	.53	.00	100.00
(2)		.09	.22	1.16	2.51	1.43	.67	.45	.54	.85	.29	.16	.02	.02	.02	.00	.04	.00	.04	.00	8.49

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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Table 2.7-62 SSES 33' (10m) 2001-2006 January JFD
(Page 7 of 8)

33.0 FT WIND DATA	SPEED MPH	SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		CLASS FREQUENCY (PERCENT) = 6.72																	
		STABILITY CLASS G								WIND DIRECTION FROM									
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL		
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	4	46	156	37	14	10	11	8	3	0	1	0	0	0	0	0	0	291
(1)	.33	1.33	15.33	52.00	12.33	4.67	3.33	3.67	2.67	1.00	.00	.33	.00	.00	.00	.00	.00	.00	97.00
(2)	.02	.09	1.03	3.49	.83	.31	.22	.25	.18	.07	.00	.02	.00	.00	.00	.00	.00	.00	6.52
4-7	0	0	2	3	0	0	0	0	0	4	0	0	0	0	0	0	0	0	9
(1)	.00	.00	.67	1.00	.00	.00	.00	.00	.00	1.33	.00	.00	.00	.00	.00	.00	.00	.00	3.00
(2)	.00	.00	.04	.07	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.20
8-12	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1	4	48	159	37	14	10	11	8	7	0	1	0	0	0	0	0	0	300
(1)	.33	1.33	16.00	53.00	12.33	4.67	3.33	3.67	2.67	2.33	.00	.33	.00	.00	.00	.00	.00	.00	100.00
(2)	.02	.09	1.08	3.56	.83	.31	.22	.25	.18	.16	.00	.02	.00	.00	.00	.00	.00	.00	6.72

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Table 2.7-62 SSES 33' (10m) 2001-2006 January JFD
(Page 8 of 8)

SPEED MPH	33.0 FT WIND DATA																SSSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)								CLASS FREQUENCY (PERCENT) = 100.00											
	STABILITY CLASS ALL																WIND DIRECTION FROM																			
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	40	112	239	403	212	155	165	132	191	109	43	25	17	18	19	10	0	18	19	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
(1)	.90	2.51	5.35	9.03	4.75	3.47	3.70	2.96	4.28	2.44	.96	.56	.38	.40	.43	.22	.00	.38	.40	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	
(2)	.90	2.51	5.35	9.03	4.75	3.47	3.70	2.96	4.28	2.44	.96	.56	.38	.40	.43	.22	.00	.38	.40	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	
4-7	168	150	145	20	17	18	32	43	96	191	219	72	57	51	64	92	0	57	51	64	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	
(1)	3.76	3.36	3.25	.45	.38	.40	.72	.96	2.15	4.28	4.91	1.61	1.28	1.14	1.43	2.06	.00	1.28	1.14	1.43	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	
(2)	3.76	3.36	3.25	.45	.38	.40	.72	.96	2.15	4.28	4.91	1.61	1.28	1.14	1.43	2.06	.00	1.28	1.14	1.43	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	
8-12	95	33	21	4	1	3	3	7	10	30	227	136	73	59	106	156	0	73	59	106	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	
(1)	2.13	.74	.47	.09	.02	.07	.07	.16	.22	.67	5.09	3.05	1.64	1.32	2.37	3.49	.00	1.64	1.32	2.37	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	
(2)	2.13	.74	.47	.09	.02	.07	.07	.16	.22	.67	5.09	3.05	1.64	1.32	2.37	3.49	.00	1.64	1.32	2.37	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	
13-18	5	0	0	0	0	2	3	1	3	1	14	63	13	8	29	32	0	13	8	29	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	
(1)	.11	.00	.00	.00	.00	.04	.07	.02	.07	.02	.31	1.41	.29	.18	.65	.72	.00	.29	.18	.65	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	
(2)	.11	.00	.00	.00	.00	.04	.07	.02	.07	.02	.31	1.41	.29	.18	.65	.72	.00	.29	.18	.65	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	
19-24	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	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	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS	308	295	405	427	230	178	204	183	300	331	503	296	160	136	218	290	0	160	136	218	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	
(1)	6.90	6.61	9.07	9.57	5.15	3.99	4.57	4.10	6.72	7.41	11.27	6.63	3.58	3.05	4.88	6.50	.00	3.58	3.05	4.88	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	
(2)	6.90	6.61	9.07	9.57	5.15	3.99	4.57	4.10	6.72	7.41	11.27	6.63	3.58	3.05	4.88	6.50	.00	3.58	3.05	4.88	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-63 SSES 33' (10m) 2001-2006 February JFD
(Page 1 of 8)

33.0 FT WIND DATA	SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	STABILITY CLASS A																	
	CLASS FREQUENCY (PERCENT) = 3.77																	
SPEED MPH	WIND DIRECTION FROM																VRBL	TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	0	1	1	1	0	3	2	1	1	0	0	0	0	0	0	10
(1)	.00	.65	.00	.00	.65	.65	.00	1.96	1.31	.65	.65	.00	.00	.00	.00	.00	.00	6.54
(2)	.00	.02	.00	.00	.02	.02	.00	.07	.05	.02	.02	.00	.00	.00	.00	.00	.00	.25
4-7	0	1	7	3	1	2	4	1	4	20	29	3	0	2	0	1	0	78
(1)	.00	.65	4.58	1.96	.65	1.31	2.61	.65	2.61	13.07	18.95	1.96	.00	1.31	.00	.65	.00	50.98
(2)	.00	.02	.17	.07	.02	.05	.10	.02	.10	.49	.71	.07	.00	.05	.00	.02	.00	1.92
8-12	0	1	2	0	0	0	2	1	6	5	34	4	2	0	1	0	0	58
(1)	.00	.65	1.31	.00	.00	.00	1.31	.65	3.92	3.27	22.22	2.61	1.31	.00	.65	.00	.00	37.91
(2)	.00	.02	.05	.00	.00	.00	.05	.02	.15	.12	.84	.10	.05	.00	.02	.00	.00	1.43
13-18	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.58	.00	.00	.00	.00	.00	.00	4.58
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.00	.00	.00	.00	.00	.00	.17
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	9	3	2	3	6	2	13	27	71	8	2	2	1	1	0	153
(1)	.00	1.96	5.88	1.96	1.31	1.96	3.92	1.31	8.50	17.65	46.41	5.23	1.31	1.31	.65	.65	.00	100.00
(2)	.00	.07	.22	.07	.05	.07	.15	.05	.32	.67	1.75	.20	.05	.05	.02	.02	.00	3.77

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Table 2.7-63 SSES 33' (10m) 2001-2006 February JFD
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SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
CLASS FREQUENCY (PERCENT) = 3.16

33.0 FT WIND DATA		WIND DIRECTION FROM													STABILITY CLASS B				TOTAL			
		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL				
SPEED MPH	CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				
C-3		1	0	1	3	1	0	1	3	2	0	1	0	0	0	0	0	13				
(1)		.78	.00	.78	2.34	.78	.00	.78	2.34	1.56	.00	.78	.00	.00	.00	.00	.00	10.16				
(2)		.02	.00	.02	.07	.02	.00	.02	.07	.05	.00	.02	.00	.00	.00	.00	.00	.32				
4-7		1	3	10	2	0	1	2	2	6	8	4	0	0	0	2	0	42				
(1)		.78	2.34	7.81	1.56	.00	.78	1.56	1.56	4.69	6.25	3.13	.00	.00	.00	1.56	.00	32.81				
(2)		.02	.07	.25	.05	.00	.02	.05	.05	.15	.20	.10	.00	.00	.00	.05	.00	1.04				
8-12		3	4	4	0	0	0	0	4	4	36	7	2	0	0	1	0	65				
(1)		2.34	3.13	3.13	.00	.00	.00	.00	3.13	3.13	28.13	5.47	1.56	.00	.00	.78	.00	50.78				
(2)		.07	.10	.10	.00	.00	.00	.00	.10	.10	.89	.17	.05	.00	.00	.02	.00	1.60				
13-18		0	0	0	0	0	0	0	0	1	5	2	0	0	0	0	0	8				
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.78	3.91	1.56	.00	.00	.00	.00	.00	6.25				
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.02	.12	.05	.00	.00	.00	.00	.00	.20				
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				
ALL SPEEDS		5	7	15	1	5	1	3	9	13	49	14	2	0	0	3	0	128				
(1)		3.91	5.47	11.72	.78	3.91	.78	2.34	7.03	10.16	38.28	10.94	1.56	.00	.00	2.34	.00	100.00				
(2)		.12	.17	.37	.02	.12	.02	.07	.22	.32	1.21	.35	.05	.00	.00	.07	.00	3.16				

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Table 2.7-63 SSES 33' (10m) 2001-2006 February JFD
(Page 3 of 8)

33.0 FT WIND DATA	SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 4.14																	
	WIND DIRECTION FROM																	
STABILITY CLASS C	WIND DIRECTION FROM																VRBL	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	2	1	5	2	2	2	4	4	4	1	0	1	0	0	0	0	31
(1)	.00	1.19	.60	2.98	1.19	1.19	1.19	2.38	2.38	.60	.60	.00	.60	.00	.00	.00	.00	18.45
(2)	.00	.05	.02	.12	.05	.05	.05	.10	.10	.02	.02	.00	.02	.00	.00	.00	.00	.76
4-7	1	8	5	1	3	0	6	9	6	13	4	1	1	0	1	0	0	59
(1)	.60	4.76	2.98	.60	1.79	.00	3.57	5.36	3.57	7.74	2.38	.60	.60	.00	.60	.00	.00	35.12
(2)	.02	.20	.12	.02	.07	.00	.15	.22	.15	.32	.10	.02	.02	.00	.02	.00	.00	1.45
8-12	7	0	3	0	1	0	3	8	3	21	8	5	5	3	2	4	0	65
(1)	4.17	.00	1.79	.00	.60	.00	1.79	4.76	12.50	4.76	2.98	2.98	1.79	1.79	1.19	2.38	.00	38.69
(2)	.17	.00	.07	.00	.02	.00	.07	.20	.52	.20	.12	.12	.07	.07	.05	.10	.00	1.60
13-18	0	0	0	0	0	0	0	0	0	6	1	5	5	0	0	1	0	13
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.57	.60	2.98	.00	.00	.00	.60	.00	7.74
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.02	.12	.12	.00	.00	.02	.00	.32
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	10	11	6	8	6	2	13	21	41	13	12	12	3	3	5	0	168
(1)	4.76	5.95	6.55	3.57	4.76	3.57	1.19	7.74	12.50	24.40	7.74	7.14	7.14	1.79	1.79	2.98	.00	100.00
(2)	.20	.25	.27	.15	.20	.15	.05	.32	.52	1.01	.32	.30	.30	.07	.07	.12	.00	4.14

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Table 2.7-63 SSES 33' (10m) 2001-2006 February JFD
(Page 4 of 8)

33.0 FT WIND DATA		SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL
		CLASS FREQUENCY (PERCENT) = 46.57																
		WIND DIRECTION FROM																
STABILITY CLASS D		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
(2)	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3	15	35	36	30	32	27	22	18	21	18	11	11	4	1	8	7	0	310
(1)	.79	1.85	1.91	1.59	1.69	1.43	1.16	.95	1.11	.95	.58	.58	.21	.05	.42	.37	.00	16.41
(2)	.37	.86	.89	.74	.79	.67	.54	.44	.52	.44	.27	.27	.10	.02	.20	.17	.00	7.64
4-7	58	51	61	23	19	22	39	35	55	49	40	40	32	34	44	60	0	633
(1)	3.07	2.70	3.23	1.22	1.01	1.16	2.06	1.85	2.91	2.59	2.12	1.69	1.69	1.80	2.33	3.18	.00	33.51
(2)	1.43	1.26	1.50	.57	.47	.54	.96	.86	1.36	1.21	.99	.79	.79	.84	1.08	1.48	.00	15.61
8-12	33	25	5	4	2	5	7	17	19	110	95	72	72	51	137	145	0	731
(1)	1.75	1.32	.26	.21	.11	.26	.37	.90	1.01	5.82	5.03	3.81	3.81	2.70	7.25	7.68	.00	38.70
(2)	.81	.62	.12	.10	.05	.12	.17	.42	.47	2.71	2.34	1.78	1.78	1.26	3.38	3.57	.00	18.02
13-18	1	0	0	0	0	0	0	0	0	43	35	26	26	18	46	35	0	204
(1)	.05	.00	.00	.00	.00	.00	.00	.00	.00	2.28	1.85	1.38	1.38	.95	2.44	1.85	.00	10.80
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	1.06	.86	.64	.64	.44	1.13	.86	.00	5.03
19-24	0	0	0	0	0	0	0	0	0	1	5	4	4	0	0	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.26	.21	.21	.00	.00	.00	.00	.53
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.12	.10	.10	.00	.00	.00	.00	.25
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	107	112	102	57	40	53	54	68	70	95	221	186	138	104	235	247	0	1889
(1)	5.66	5.93	5.40	3.02	2.12	2.81	2.86	3.60	3.71	5.03	11.70	9.85	7.31	5.51	12.44	13.08	.00	100.00
(2)	2.64	2.76	2.51	1.41	.99	1.31	1.33	1.68	1.73	2.34	5.45	4.59	3.40	2.56	5.79	6.09	.00	46.57

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-63 SSES 33' (10m) 2001-2006 February JFD
(Page 5 of 8)

33.0 FT WIND DATA		SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 26.38																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS E	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		14	34	82	71	75	49	54	44	55	49	27	10	3	3	2	4	0	576
(1)		1.31	3.18	7.66	6.64	7.01	4.58	5.05	4.11	5.14	4.58	2.52	.93	.28	.28	.19	.37	.00	53.83
(2)		.35	.84	2.02	1.75	1.85	1.21	1.33	1.08	1.36	1.21	.67	.25	.07	.07	.05	.10	.00	14.20
4-7		45	25	23	6	6	6	14	22	35	92	74	20	7	6	15	18	0	414
(1)		4.21	2.34	2.15	.56	.56	.56	1.31	2.06	3.27	8.60	6.92	1.87	.65	.56	1.40	1.68	.00	38.69
(2)		1.11	.62	.57	.15	.15	.15	.35	.54	.86	2.27	1.82	.49	.17	.15	.37	.44	.00	10.21
8-12		5	4	3	1	2	0	0	2	8	8	22	8	2	0	0	7	0	72
(1)		.47	.37	.28	.09	.19	.00	.00	.19	.75	.75	2.06	.75	.19	.00	.00	.65	.00	6.73
(2)		.12	.10	.07	.02	.05	.00	.00	.05	.20	.20	.54	.20	.05	.00	.00	.17	.00	1.78
13-18		0	0	0	0	0	0	3	0	0	0	1	2	0	0	1	1	0	8
(1)		.00	.00	.00	.00	.00	.00	.28	.00	.00	.00	.09	.19	.00	.00	.09	.09	.00	.75
(2)		.00	.00	.00	.00	.00	.00	.07	.00	.00	.00	.02	.05	.00	.00	.02	.02	.00	.20
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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		64	63	108	78	83	55	71	68	98	149	124	40	12	9	18	30	0	1070
(1)		5.98	5.89	10.09	7.29	7.76	5.14	6.64	6.36	9.16	13.93	11.59	3.74	1.12	.84	1.68	2.80	.00	100.00
(2)		1.58	1.55	2.66	1.92	2.05	1.36	1.75	1.68	2.42	3.67	3.06	.99	.30	.22	.44	.74	.00	26.38

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-63 SSES 33' (10m) 2001-2006 February JFD
(Page 6 of 8)

33.0 FT WIND DATA	SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 9.54																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS F																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	3	16	54	141	52	32	20	16	22	7	0	1	2	0	0	0	0	366
(1)	.78	4.13	13.95	36.43	13.44	8.27	5.17	4.13	5.68	1.81	.00	.26	.52	.00	.00	.00	.00	94.57
(2)	.07	.39	1.33	3.48	1.28	.79	.49	.39	.54	.17	.00	.02	.05	.00	.00	.00	.00	9.02
4-7	2	4	2	2	0	0	0	0	2	3	1	2	0	0	0	2	0	21
(1)	.52	1.03	.52	.52	.00	.00	.00	.26	.52	.78	.26	.52	.00	.00	.00	.52	.00	5.43
(2)	.05	.10	.05	.05	.00	.00	.00	.02	.05	.07	.02	.05	.00	.00	.00	.05	.00	.52
8-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	20	56	143	52	32	20	17	24	10	1	3	2	0	0	2	0	387
(1)	1.29	5.17	14.47	36.95	13.44	8.27	5.17	4.39	6.20	2.58	.26	.78	.52	.00	.00	.52	.00	100.00
(2)	.12	.49	1.38	3.53	1.28	.79	.49	.42	.59	.25	.02	.07	.05	.00	.00	.05	.00	9.54

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-63 SSES 33' (10m) 2001-2006 February JFD
(Page 7 of 8)

33.0 FT WIND DATA	SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 6.43																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G													TOTAL				
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	2	43	151	35	9	10	4	3	1	0	0	0	0	0	0	0	258
(1)	.00	.77	16.48	57.85	13.41	3.45	3.83	1.53	1.15	.38	.00	.00	.00	.00	.00	.00	.00	98.85
(2)	.00	.05	1.06	3.72	.86	.22	.25	.10	.07	.02	.00	.00	.00	.00	.00	.00	.00	6.36
4-7	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.77	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.15
(2)	.00	.00	.05	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07
8-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	45	152	35	9	10	4	3	1	0	0	0	0	0	0	0	261
(1)	.00	.77	17.24	58.24	13.41	3.45	3.83	1.53	1.15	.38	.00	.00	.00	.00	.00	.00	.00	100.00
(2)	.00	.05	1.11	3.75	.86	.22	.25	.10	.07	.02	.00	.00	.00	.00	.00	.00	.00	6.43

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Table 2.7-63 SSES 33' (10m) 2001-2006 February JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS ALL																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3	33	90	218	394	198	129	113	89	108	86	47	24	10	4	10	11	0	1564	
(1)	.81	2.22	5.37	9.71	4.88	3.18	2.79	2.19	2.66	2.12	1.16	.59	.25	.10	.25	.27	.00	38.56	
(2)	.81	2.22	5.37	9.71	4.88	3.18	2.79	2.19	2.66	2.12	1.16	.59	.25	.10	.25	.27	.00	38.56	
4-7	107	92	111	41	21	28	44	65	84	185	174	73	40	42	60	83	0	1250	
(1)	2.64	2.27	2.74	1.01	.52	.69	1.08	1.60	2.07	4.56	4.29	1.80	.99	1.04	1.48	2.05	.00	30.82	
(2)	2.64	2.27	2.74	1.01	.52	.69	1.08	1.60	2.07	4.56	4.29	1.80	.99	1.04	1.48	2.05	.00	30.82	
8-12	48	34	17	5	6	2	8	10	38	44	223	122	83	54	140	157	0	991	
(1)	1.18	.84	.42	.12	.15	.05	.20	.25	.94	1.08	5.50	3.01	2.05	1.33	3.45	3.87	.00	24.43	
(2)	1.18	.84	.42	.12	.15	.05	.20	.25	.94	1.08	5.50	3.01	2.05	1.33	3.45	3.87	.00	24.43	
13-18	1	0	0	0	0	0	3	0	0	1	62	40	31	18	47	37	0	240	
(1)	.02	.00	.00	.00	.00	.00	.07	.00	.00	.02	1.53	.99	.76	.44	1.16	.91	.00	5.92	
(2)	.02	.00	.00	.00	.00	.00	.07	.00	.00	.02	1.53	.99	.76	.44	1.16	.91	.00	5.92	
19-24	0	0	0	0	0	0	0	0	0	0	1	5	4	0	0	0	0	10	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.12	.10	.00	.00	.00	.00	.25	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.12	.10	.00	.00	.00	.00	.25	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	189	217	346	440	225	159	168	164	230	316	507	264	168	118	257	288	0	4056	
(1)	4.66	5.35	8.53	10.85	5.55	3.92	4.14	4.04	5.67	7.79	12.50	6.51	4.14	2.91	6.34	7.10	.00	100.00	
(2)	4.66	5.35	8.53	10.85	5.55	3.92	4.14	4.04	5.67	7.79	12.50	6.51	4.14	2.91	6.34	7.10	.00	100.00	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-64 SSES 33' (10m) 2001-2006 March JFD

(Page 1 of 8)

33.0 FT WIND DATA		SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)														TOTAL				
SPEED MPH	STABILITY CLASS A	CLASS FREQUENCY (PERCENT) = 5.69														VRBL	TOTAL			
		WIND DIRECTION FROM																		
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM		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	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		0	1	1	2	2	2	2	2	2	3	4	0	1	0	0	0	0	0	20
(1)		.00	.39	.39	.79	.79	.79	.79	.79	.79	1.18	1.57	.00	.39	.00	.00	.00	.00	.00	7.87
(2)		.00	.02	.02	.04	.04	.04	.04	.04	.04	.07	.09	.00	.02	.00	.00	.00	.00	.00	.45
4-7		2	2	4	3	5	5	3	9	17	26	17	7	7	2	3	0	0	0	104
(1)		.79	.79	1.57	1.57	.79	1.18	1.18	3.54	6.69	10.24	6.69	2.76	2.76	.79	1.18	.00	.00	.00	40.94
(2)		.04	.04	.09	.09	.04	.07	.07	.20	.38	.58	.38	.16	.16	.04	.07	.00	.00	.00	2.33
8-12		0	2	2	0	1	16	2	18	23	31	9	5	5	0	3	2	0	0	114
(1)		.00	.79	.79	.00	.00	6.30	.79	7.09	9.06	12.20	3.54	1.97	1.97	.00	1.18	.79	.00	.00	44.88
(2)		.00	.04	.04	.00	.00	.36	.04	.40	.52	.69	.20	.11	.11	.00	.07	.04	.00	.00	2.55
13-18		0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	2	0	0	16
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.94	1.57	.00	.00	.00	.79	.00	.00	6.30
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.09	.09	.00	.00	.00	.04	.00	.00	.36
19-24		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	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		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	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		2	5	7	5	3	4	21	9	29	43	71	30	13	2	6	4	0	0	254
(1)		.79	1.97	2.76	1.97	1.18	1.57	8.27	3.54	11.42	16.93	27.95	11.81	5.12	.79	2.36	1.57	.00	.00	100.00
(2)		.04	.11	.16	.11	.07	.09	.47	.20	.65	.96	1.59	.67	.29	.04	.13	.09	.00	.00	5.69

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-64 SSES 33' (10m) 2001-2006 March JFD
(Page 2 of 8)

33.0 FT WIND DATA	SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 3.23																	
	STABILITY CLASS B																	
SPEED MPH	WIND DIRECTION FROM																VRBL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	2	1	1	2	0	2	3	2	0	0	0	1	0	0	0	14
(1)	.00	.00	1.39	.69	.69	1.39	.00	1.39	2.08	1.39	.00	.00	.00	.69	.00	.00	.00	9.72
(2)	.00	.00	.04	.02	.02	.04	.00	.04	.07	.04	.00	.00	.00	.02	.00	.00	.00	.31
4-7	5	2	3	1	1	2	4	5	7	10	5	3	2	0	0	3	0	53
(1)	3.47	1.39	2.08	.69	.69	1.39	2.78	3.47	4.86	6.94	3.47	2.08	1.39	.00	.00	2.08	.00	36.81
(2)	.11	.04	.07	.02	.02	.04	.09	.11	.16	.22	.11	.07	.04	.00	.00	.07	.00	1.19
8-12	1	0	0	0	1	0	1	3	2	4	17	15	4	5	5	8	0	66
(1)	.69	.00	.00	.00	.69	.00	.69	2.08	1.39	2.78	11.81	10.42	2.78	3.47	3.47	5.56	.00	45.83
(2)	.02	.00	.00	.00	.02	.00	.02	.07	.04	.09	.38	.34	.09	.11	.11	.18	.00	1.48
13-18	0	0	0	0	0	0	0	0	0	0	4	5	0	0	1	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.78	3.47	.00	.00	.69	.00	.00	6.94
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.11	.00	.00	.02	.00	.00	.22
19-24	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	.69	.00	.00	.00	.00	.00	.00	.69
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.02
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	2	5	2	3	4	5	10	12	16	27	23	6	6	6	11	0	144
(1)	4.17	1.39	3.47	1.39	2.08	2.78	3.47	6.94	8.33	11.11	18.75	15.97	4.17	4.17	4.17	7.64	.00	100.00
(2)	.13	.04	.11	.04	.07	.09	.11	.22	.27	.36	.60	.52	.13	.13	.13	.25	.00	3.23

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-64 SSES 33' (10m) 2001-2006 March JFD
(Page 3 of 8)

33.0 FT WIND DATA	SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 3.92																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS C																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	2	3	1	1	1	3	3	2	0	1	1	1	0	0	0	19
(1)	.00	.00	1.14	1.71	.57	.57	1.71	1.71	1.71	1.14	.00	.57	.57	.57	.00	.00	.00	10.86
(2)	.00	.00	.04	.07	.02	.02	.07	.07	.07	.04	.00	.02	.02	.02	.00	.00	.00	.43
4-7	5	7	6	1	2	0	2	1	5	12	12	3	0	0	1	1	0	60
(1)	2.86	4.00	3.43	.57	1.14	.00	1.14	.57	2.86	6.86	6.86	1.71	.00	.00	.57	.57	.00	34.29
(2)	.11	.16	.13	.02	.04	.00	.04	.02	.11	.27	.27	.07	.00	.00	.02	.02	.00	1.34
8-12	5	1	1	0	0	0	4	1	8	11	11	7	2	2	13	11	0	76
(1)	2.86	.57	.57	.00	.00	.00	2.29	.57	4.57	6.29	6.29	4.00	1.14	1.14	7.43	6.29	.00	43.43
(2)	.11	.02	.02	.00	.00	.00	.09	.02	.18	.25	.25	.16	.04	.04	.29	.25	.00	1.70
13-18	0	0	0	0	0	0	0	0	0	6	6	2	1	1	3	1	0	19
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.43	3.43	1.14	.57	.57	1.71	.57	.00	10.86
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13	.13	.04	.02	.02	.07	.02	.00	.43
19-24	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	.57	.00	.00	.00	.00	.00	.00	.57
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.02
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	8	9	4	3	1	7	4	12	9	31	30	4	4	17	13	0	175
(1)	5.71	4.57	5.14	2.29	1.71	.57	4.00	2.29	6.86	5.14	17.71	17.14	7.43	2.29	9.71	7.43	.00	100.00
(2)	.22	.18	.20	.09	.07	.02	.16	.09	.27	.20	.69	.67	.29	.09	.38	.29	.00	3.92

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-64 SSES 33' (10m) 2001-2006 March JFD
(Page 4 of 8)

33.0 FT WIND DATA	SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 46.53																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS D																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	11	30	25	22	37	21	25	18	17	15	5	5	6	6	6	9	0	282
(1)	.53	1.44	1.20	1.06	1.78	1.01	1.20	.87	1.44	.82	.72	.24	.24	.29	.29	.43	.00	13.58
(2)	.25	.67	.56	.49	.83	.47	.56	.40	.67	.38	.34	.11	.11	.13	.13	.20	.00	6.32
4-7	90	90	78	38	32	32	46	37	31	38	77	49	47	64	72	73	0	894
(1)	4.33	4.33	3.76	1.83	1.54	1.54	2.21	1.78	1.49	1.83	3.71	2.36	2.26	3.08	3.47	3.51	.00	43.04
(2)	2.02	2.02	1.75	.85	.72	.72	1.03	.83	.69	.85	1.72	1.10	1.05	1.43	1.61	1.64	.00	20.03
8-12	67	22	23	7	1	6	15	22	26	19	30	87	69	106	140	90	0	730
(1)	3.23	1.06	1.11	.34	.05	.29	.72	1.06	1.25	.91	1.44	4.19	3.32	5.10	6.74	4.33	.00	35.15
(2)	1.50	.49	.52	.16	.02	.13	.34	.49	.58	.43	.67	1.95	1.55	2.37	3.14	2.02	.00	16.35
13-18	1	0	3	0	0	1	0	0	0	3	5	38	47	30	18	19	0	165
(1)	.05	.00	.14	.00	.00	.05	.00	.00	.00	.14	.24	1.83	2.26	1.44	.87	.91	.00	7.94
(2)	.02	.00	.07	.00	.00	.02	.00	.00	.00	.07	.11	.85	1.05	.67	.40	.43	.00	3.70
19-24	0	0	0	0	0	0	0	0	0	0	1	3	2	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.14	.10	.00	.00	.00	.00	.29
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.07	.04	.00	.00	.00	.00	.13
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	169	142	129	67	70	60	86	77	87	77	128	182	170	206	236	191	0	2077
(1)	8.14	6.84	6.21	3.23	3.37	2.89	4.14	3.71	4.19	3.71	6.16	8.76	8.18	9.92	11.36	9.20	.00	100.00
(2)	3.79	3.18	2.89	1.50	1.57	1.34	1.93	1.72	1.95	1.72	2.87	4.08	3.81	4.61	5.29	4.28	.00	46.53

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-64 SSES 33' (10m) 2001-2006 March JFD
(Page 5 of 8)

33.0 FT WIND DATA	SPEED MPH	SSSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL
		CLASS FREQUENCY (PERCENT) = 23.77																
		WIND DIRECTION FROM																
STABILITY CLASS	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNNW	NW	NNW	VRBL		
CALM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09
(2)	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3	30	47	67	74	46	51	46	39	52	41	16	10	5	4	7	0	0	593
(1)	2.83	4.43	6.31	6.97	4.34	4.81	4.34	3.68	4.90	3.86	1.51	.94	.47	.38	.66	.00	.00	55.89
(2)	.67	1.05	1.50	1.66	1.03	1.14	1.03	.87	1.16	.92	.36	.22	.11	.09	.16	.00	.00	13.28
4-7	38	72	44	6	10	6	16	21	41	49	25	19	10	15	10	0	0	390
(1)	3.58	6.79	4.15	.57	.94	.57	1.51	1.98	3.86	4.62	2.36	1.79	.94	1.41	.94	.00	.00	36.76
(2)	.85	1.61	.99	.13	.22	.13	.36	.47	.92	1.10	.56	.43	.22	.34	.22	.00	.00	8.74
8-12	7	11	5	0	3	1	4	11	6	11	1	1	5	1	3	0	0	71
(1)	.66	1.04	.47	.00	.28	.09	.38	1.04	.57	1.04	.09	.09	.47	.09	.28	.00	.00	6.69
(2)	.16	.25	.11	.00	.07	.02	.09	.25	.13	.25	.02	.02	.11	.02	.07	.00	.00	1.59
13-18	0	0	0	0	0	1	0	3	0	0	0	0	1	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.09	.00	.28	.00	.00	.00	.00	.09	.00	.00	.00	.00	.47
(2)	.00	.00	.00	.00	.00	.02	.00	.07	.00	.00	.00	.00	.02	.00	.00	.00	.00	.11
19-24	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	.09	.00	.00	.00	.00	.00	.00	.00	.09
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	75	130	117	80	67	59	66	74	99	102	42	30	21	20	20	0	0	1061
(1)	7.07	12.25	11.03	7.54	6.31	5.56	6.22	6.97	9.33	9.61	3.96	2.83	1.98	1.89	1.89	.00	.00	100.00
(2)	1.68	2.91	2.62	1.79	1.50	1.32	1.48	1.66	2.22	2.28	.94	.67	.47	.45	.45	.00	.00	23.77

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Table 2.7-64 SSES 33' (10m) 2001-2006 March JFD
(Page 6 of 8)

33.0 FT WIND DATA		SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL										
		STABILITY CLASS F		CLASS FREQUENCY (PERCENT) = 9.12																								
		SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								W		WNW	NW	NNW	VRBL						
SE	SSE								S	SSW	SW	WSW	W	WNW	NW	NNW												
CALM	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00			
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
C-3	6	18	78	121	56	30	16	16	14	8	6	2	2	0	0	0	0	0	0	0	0	0	0	0	374			
(1)	1.47	4.42	19.16	29.73	13.76	7.37	3.93	3.93	3.44	1.97	1.47	.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.74	91.89		
(2)	.13	.40	1.75	2.71	1.25	.67	.36	.36	.31	.18	.13	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	8.38		
4-7	1	6	5	3	0	0	0	0	2	2	3	7	2	0	0	0	0	0	0	0	0	0	0	0	0	33		
(1)	.25	1.47	1.23	.74	.00	.00	.00	.00	.49	.74	1.72	.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	8.11	
(2)	.02	.13	.11	.07	.00	.00	.00	.00	.04	.07	.16	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.74	
8-12	0	0	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	0	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	7	24	83	124	56	30	16	16	14	11	13	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	407	
(1)	1.72	5.90	20.39	30.47	13.76	7.37	3.93	3.93	3.93	2.70	3.19	.98	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.98	100.00
(2)	.16	.54	1.86	2.78	1.25	.67	.36	.36	.40	.25	.29	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	9.12

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-64 SSES 33' (10m) 2001-2006 March JFD
(Page 7 of 8)

33.0 FT WIND DATA	SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 7.75																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	3	6	80	180	26	9	12	5	5	1	1	0	0	0	0	0	0	328
(1)	.87	1.73	23.12	52.02	7.51	2.60	3.47	1.45	1.45	.29	.29	.00	.00	.00	.00	.00	.00	94.80
(2)	.07	.13	1.79	4.03	.58	.20	.27	.11	.11	.02	.02	.00	.00	.00	.00	.00	.00	7.35
4-7	0	1	7	9	0	0	1	0	0	0	0	0	0	0	0	0	0	18
(1)	.00	.29	2.02	2.60	.00	.00	.29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.20
(2)	.00	.02	.16	.20	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40
8-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	7	87	189	26	9	13	5	5	1	1	0	0	0	0	0	0	346
(1)	.87	2.02	25.14	54.62	7.51	2.60	3.76	1.45	1.45	.29	.29	.00	.00	.00	.00	.00	.00	100.00
(2)	.07	.16	1.95	4.23	.58	.20	.29	.11	.11	.02	.02	.00	.00	.00	.00	.00	.00	7.75

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-64 SSES 33' (10m) 2001-2006 March JFD
(Page 8 of 8)

33.0 FT WIND DATA	SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL		
	STABILITY CLASS ALL																		
	CLASS FREQUENCY (PERCENT) = 100.00																		
SPEED MPH	WIND DIRECTION FROM																VRBL		
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW			
CALM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3	50	102	255	402	181	110	107	90	86	69	23	17	13	13	16	16	16	0	1630
(1)	1.12	2.28	5.71	9.01	4.05	2.46	2.40	2.02	1.93	1.55	.52	.38	.29	.29	.29	.36	.36	.00	36.51
(2)	1.12	2.28	5.71	9.01	4.05	2.46	2.40	2.02	1.93	1.55	.52	.38	.29	.29	.29	.36	.36	.00	36.51
4-7	141	180	147	62	44	46	62	67	71	114	108	78	77	92	87	87	0	1552	
(1)	3.16	4.03	3.29	1.39	.99	1.03	1.39	1.50	1.59	2.55	3.94	2.42	1.75	1.72	2.06	1.95	.00	34.77	
(2)	3.16	4.03	3.29	1.39	.99	1.03	1.39	1.50	1.59	2.55	3.94	2.42	1.75	1.72	2.06	1.95	.00	34.77	
8-12	80	36	31	7	3	10	37	32	65	53	100	123	86	118	162	114	0	1057	
(1)	1.79	.81	.69	.16	.07	.22	.83	.72	1.46	1.19	2.24	2.76	1.93	2.64	3.63	2.55	.00	23.68	
(2)	1.79	.81	.69	.16	.07	.22	.83	.72	1.46	1.19	2.24	2.76	1.93	2.64	3.63	2.55	.00	23.68	
13-18	1	0	3	0	0	1	1	0	3	3	25	53	49	32	22	22	0	215	
(1)	.02	.00	.07	.00	.00	.02	.02	.00	.07	.07	.56	1.19	1.10	.72	.49	.49	.00	4.82	
(2)	.02	.00	.07	.00	.00	.02	.02	.00	.07	.07	.56	1.19	1.10	.72	.49	.49	.00	4.82	
19-24	0	0	0	0	0	0	0	0	0	0	3	4	2	0	0	0	0	9	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.09	.04	.00	.00	.00	.00	.20	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.09	.04	.00	.00	.00	.00	.20	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	272	318	437	471	228	167	207	189	235	256	373	311	232	240	289	239	0	4464	
(1)	6.09	7.12	9.79	10.55	5.11	3.74	4.64	4.23	5.26	5.73	8.36	6.97	5.20	5.38	6.47	5.35	.00	100.00	
(2)	6.09	7.12	9.79	10.55	5.11	3.74	4.64	4.23	5.26	5.73	8.36	6.97	5.20	5.38	6.47	5.35	.00	100.00	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-65 SSES 33' (10m) 2001-2006 April JFD

(Page 1 of 8)

SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

CLASS FREQUENCY (PERCENT) = 8.77

33.0 FT WIND DATA

STABILITY CLASS A

WIND DIRECTION FROM

SPEED MPH	WIND DIRECTION FROM																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	0	2	5	1	2	0	1	4	3	2	0	0	0	0	0	0	21
(1)	.26	.00	.53	1.32	.26	.53	.00	.26	1.06	.79	.53	.00	.00	.00	.00	.00	.00	.00
(2)	.02	.00	.05	.12	.02	.05	.00	.02	.09	.07	.05	.00	.00	.00	.00	.00	.00	.49
4-7	6	14	8	7	6	4	6	27	28	41	9	1	2	1	1	0	0	164
(1)	1.59	3.70	2.12	1.85	1.59	1.06	1.59	7.14	7.41	10.85	2.38	.26	.53	.26	.26	.00	.00	43.39
(2)	.14	.32	.19	.16	.14	.09	.14	.63	.65	.95	.21	.02	.05	.02	.02	.00	.00	3.80
8-12	15	25	11	0	1	7	7	10	22	43	24	3	4	3	3	6	0	181
(1)	3.97	6.61	2.91	.00	.26	1.85	1.85	2.65	5.82	11.38	6.35	.79	1.06	.79	.79	1.59	.00	47.88
(2)	.35	.58	.26	.00	.02	.16	.16	.23	.51	1.00	.56	.07	.09	.07	.07	.14	.00	4.20
13-18	1	0	0	0	0	1	1	1	0	4	2	0	0	0	1	1	0	12
(1)	.26	.00	.00	.00	.00	.26	.26	.26	.00	1.06	.53	.00	.00	.00	.26	.26	.00	3.17
(2)	.02	.00	.00	.00	.00	.02	.02	.02	.00	.09	.05	.00	.00	.00	.02	.02	.00	.28
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	23	39	19	6	12	8	14	39	54	91	37	4	6	5	7	7	0	378
(1)	6.08	10.32	5.03	1.59	3.17	2.12	3.70	10.32	14.29	24.07	9.79	1.06	1.59	1.32	1.85	1.85	.00	100.00
(2)	.53	.90	.44	.14	.28	.19	.32	.32	1.25	2.11	.86	.09	.14	.12	.16	.16	.00	8.77

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-65 SSES 33' (10m) 2001-2006 April JFD
(Page 2 of 8)

33.0 FT WIND DATA	SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 3.64																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS B																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	0	1	2	2	1	1	2	1	1	0	0	0	0	0	0	12
(1)	.00	.64	.00	.64	1.27	1.27	.64	.64	1.27	.64	.64	.00	.00	.00	.00	.00	.00	7.64
(2)	.00	.02	.00	.02	.05	.05	.02	.02	.05	.02	.02	.00	.00	.00	.00	.00	.00	.28
4-7	2	8	4	1	3	2	3	0	2	7	11	3	0	1	0	0	0	47
(1)	1.27	5.10	2.55	.64	1.91	1.27	1.91	.00	1.27	4.46	7.01	1.91	.00	.64	.00	.00	.00	29.94
(2)	.05	.19	.09	.02	.07	.05	.07	.00	.05	.16	.26	.07	.00	.02	.00	.00	.00	1.09
8-12	8	12	5	0	2	1	4	1	4	1	14	11	1	3	7	6	0	80
(1)	5.10	7.64	3.18	.00	1.27	.64	2.55	.64	2.55	.64	8.92	7.01	.64	1.91	4.46	3.82	.00	50.96
(2)	.19	.28	.12	.00	.05	.02	.09	.02	.09	.02	.32	.26	.02	.07	.16	.14	.00	1.86
13-18	0	1	0	0	0	0	0	0	0	0	3	4	1	0	5	4	0	18
(1)	.00	.64	.00	.00	.00	.00	.00	.00	.00	.00	1.91	2.55	.64	.00	3.18	2.55	.00	11.46
(2)	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.07	.09	.02	.00	.12	.09	.00	.42
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	22	9	2	7	5	8	2	8	9	29	18	2	4	12	10	0	157
(1)	6.37	14.01	5.73	1.27	4.46	3.18	5.10	1.27	5.10	5.73	18.47	11.46	1.27	2.55	7.64	6.37	.00	100.00
(2)	.23	.51	.21	.05	.16	.12	.19	.05	.19	.21	.67	.42	.05	.09	.28	.23	.00	3.64

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Table 2.7-65 SSES 33' (10m) 2001-2006 April JFD
(Page 3 of 8)

33.0 FT WIND DATA	SPEED MPH	SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL				
		CLASS FREQUENCY (PERCENT) = 4.96																				
		WIND DIRECTION FROM																				
		STABILITY CLASS C																				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL				
CALM	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	0	1	3	3	4	4	0	3	0	1	0	0	0	0	0	0	0	0	16	
(1)	.00	.47	.00	.47	1.40	1.40	1.87	1.87	.00	1.40	.00	.47	.00	.00	.00	.00	.00	.00	.00	.00	7.48	
(2)	.00	.02	.00	.02	.07	.07	.09	.09	.00	.07	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.37	
4-7	5	14	8	3	4	3	3	3	3	8	4	7	8	2	1	0	1	0	1	0	74	
(1)	2.34	6.54	3.74	1.40	1.87	1.40	1.40	1.40	1.40	3.74	1.87	3.27	3.74	.93	.47	.00	.47	.00	.00	.00	34.58	
(2)	.12	.32	.19	.07	.09	.07	.07	.07	.07	.19	.09	.16	.19	.05	.02	.00	.02	.00	.00	.00	1.72	
8-12	20	11	1	1	3	3	1	2	2	6	3	15	19	4	3	8	7	0	8	0	104	
(1)	9.35	5.14	.47	.47	.00	1.40	.47	.93	.00	2.80	1.40	7.01	8.88	1.87	1.40	3.74	3.27	.00	.00	.00	48.60	
(2)	.46	.26	.02	.02	.00	.07	.02	.05	.00	.14	.07	.35	.44	.09	.07	.19	.16	.00	.00	.00	2.41	
13-18	1	1	0	0	0	0	2	0	0	0	0	5	4	5	0	0	1	0	0	0	19	
(1)	.47	.47	.00	.00	.00	.00	.93	.00	.00	.00	.00	2.34	1.87	2.34	.00	.00	.47	.00	.00	.00	8.88	
(2)	.02	.02	.00	.00	.00	.00	.05	.00	.00	.00	.00	.12	.09	.12	.00	.00	.02	.00	.00	.00	.44	
19-24	0	0	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	.00	.00	.00	.47	.00	.00	.00	.00	.00	.00	.00	.47	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02	
GT 24	0	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS	26	27	9	5	7	9	10	5	5	17	7	28	32	11	4	8	9	0	8	0	214	
(1)	12.15	12.62	4.21	2.34	3.27	4.21	4.67	2.34	2.34	7.94	3.27	13.08	14.95	5.14	1.87	3.74	4.21	.00	.00	.00	100.00	
(2)	.60	.63	.21	.12	.16	.21	.23	.12	.12	.39	.16	.65	.74	.26	.09	.19	.21	.00	.00	.00	4.96	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-65 SSES 33' (10m) 2001-2006 April JFD
(Page 4 of 8)

33.0 FT WIND DATA	SPEED MPH	STABILITY CLASS D																TOTAL	
		CLASS FREQUENCY (PERCENT) = 40.89																	
		WIND DIRECTION FROM																	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL		
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	13	36	26	23	21	29	20	16	14	14	8	9	8	2	3	5	5	0	247
(1)	.74	2.04	1.47	1.30	1.19	1.64	1.13	.91	.79	.79	.45	.51	.45	.11	.17	.28	.00	.00	14.01
(2)	.30	.83	.60	.53	.49	.67	.46	.37	.32	.32	.19	.21	.19	.05	.07	.12	.00	.00	5.73
4-7	68	125	99	27	31	40	45	46	46	41	79	28	25	31	31	28	0	0	790
(1)	3.86	7.09	5.62	1.53	1.76	2.27	2.55	2.61	2.61	2.33	4.48	1.59	1.42	1.76	1.76	1.59	.00	.00	44.81
(2)	1.58	2.90	2.30	.63	.72	.93	1.04	1.07	1.07	.95	1.83	.65	.58	.72	.72	.65	.00	.00	18.32
8-12	104	58	20	6	6	19	28	11	15	15	53	39	42	49	98	88	0	0	651
(1)	5.90	3.29	1.13	.34	.34	1.08	1.59	.62	.85	.85	3.01	2.21	2.38	2.78	5.56	4.99	.00	.00	36.93
(2)	2.41	1.35	.46	.14	.14	.44	.65	.26	.35	.35	1.23	.90	.97	1.14	2.27	2.04	.00	.00	15.10
13-18	2	1	0	0	0	0	3	0	0	0	10	15	13	8	16	5	0	0	73
(1)	.11	.06	.00	.00	.00	.00	.17	.00	.00	.00	.57	.85	.74	.45	.91	.28	.00	.00	4.14
(2)	.05	.02	.00	.00	.00	.00	.07	.00	.00	.00	.23	.35	.30	.19	.37	.12	.00	.00	1.69
19-24	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	.00	.06	.00	.00	.00	.06	.00	.00	.11
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.02	.00	.00	.05
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	187	220	145	56	58	88	96	73	75	70	150	92	88	90	148	127	0	0	1763
(1)	10.61	12.48	8.22	3.18	3.29	4.99	5.45	4.14	4.25	3.97	8.51	5.22	4.99	5.10	8.39	7.20	.00	.00	100.00
(2)	4.34	5.10	3.36	1.30	1.35	2.04	2.23	1.69	1.74	1.62	3.48	2.13	2.04	2.09	3.43	2.95	.00	.00	40.89

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-65 SSES 33' (10m) 2001-2006 April JFD
(Page 5 of 8)

33.0 FT WIND DATA	SPEED MPH	CLASS FREQUENCY (PERCENT) = 24.79																TOTAL	
		WIND DIRECTION FROM																	
		STABILITY CLASS E																	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL		
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	16	76	72	66	45	35	38	39	41	52	19	9	5	0	6	9	0	528	0
(1)	1.50	7.11	6.74	6.17	4.21	3.27	3.55	3.65	3.84	4.86	1.78	.84	.47	.00	.56	.84	.00	49.39	.00
(2)	.37	1.76	1.67	1.53	1.04	.81	.88	.90	.95	1.21	.44	.21	.12	.00	.14	.21	.00	12.24	.00
4-7	44	75	69	19	12	13	10	17	41	52	44	18	8	7	7	15	0	451	0
(1)	4.12	7.02	6.45	1.78	1.12	1.22	.94	1.59	3.84	4.86	4.12	1.68	.75	.65	.65	1.40	.00	42.19	.00
(2)	1.02	1.74	1.60	.44	.28	.30	.23	.39	.95	1.21	1.02	.42	.19	.16	.16	.35	.00	10.46	.00
8-12	11	5	7	4	5	2	1	1	8	12	19	5	2	1	2	2	0	87	0
(1)	1.03	.47	.65	.37	.47	.19	.09	.09	.75	1.12	1.78	.47	.19	.09	.19	.19	.00	8.14	.00
(2)	.26	.12	.16	.09	.12	.05	.02	.02	.19	.28	.44	.12	.05	.02	.05	.05	.00	2.02	.00
13-18	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.28	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00	.00	.07	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	71	156	148	89	62	50	49	57	90	116	85	32	15	8	15	26	0	1069	0
(1)	6.64	14.59	13.84	8.33	5.80	4.68	4.58	5.33	8.42	10.85	7.95	2.99	1.40	.75	1.40	2.43	.00	100.00	.00
(2)	1.65	3.62	3.43	2.06	1.44	1.16	1.14	1.32	2.09	2.69	1.97	.74	.35	.19	.35	.60	.00	24.79	.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-65 SSES 33' (10m) 2001-2006 April JFD
(Page 6 of 8)

33.0 FT WIND DATA	SPEED MPH	SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL			
		CLASS FREQUENCY (PERCENT) = 7.33																			
		WIND DIRECTION FROM																			
STABILITY CLASS F	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL			
CALM	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	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	2	10	44	120	43	13	16	11	11	10	12	3	1	1	0	0	0	0	0	297	
(1)	.63	3.16	13.92	37.97	13.61	4.11	5.06	3.48	3.48	3.16	3.80	.95	.32	.32	.00	.00	.00	.00	.00	93.99	
(2)	.05	.23	1.02	2.78	1.00	.30	.37	.26	.26	.23	.28	.07	.02	.02	.00	.00	.00	.00	.00	6.89	
4-7	2	4	1	1	0	0	0	0	4	2	1	2	0	0	0	0	0	0	0	17	
(1)	.63	1.27	.32	.32	.00	.00	.00	.00	1.27	.63	.32	.63	.00	.00	.00	.00	.00	.00	.00	5.38	
(2)	.05	.09	.02	.02	.00	.00	.00	.00	.09	.05	.02	.05	.00	.00	.00	.00	.00	.00	.00	.39	
8-12	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
(1)	.00	.32	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.63	
(2)	.00	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	
13-18	0	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	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
19-24	0	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	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24	0	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	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS	4	15	46	121	43	13	16	11	15	12	13	5	1	1	0	0	0	0	0	316	
(1)	1.27	4.75	14.56	38.29	13.61	4.11	5.06	3.48	4.75	3.80	4.11	1.58	.32	.32	.00	.00	.00	.00	.00	100.00	
(2)	.09	.35	1.07	2.81	1.00	.30	.37	.26	.35	.28	.30	.12	.02	.02	.00	.00	.00	.00	.00	7.33	

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-65 SSES 33' (10m) 2001-2006 April JFD
(Page 7 of 8)

33.0 FT WIND DATA	SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 9.62																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G													VRBL	TOTAL			
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W			WNW	NW	NNW
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	9	97	226	41	14	2	6	1	1	0	0	0	0	0	0	0	397
(1)	.00	2.17	23.37	54.46	9.88	3.37	.48	1.45	.24	.24	.00	.00	.00	.00	.00	.00	.00	95.66
(2)	.00	.21	2.25	5.24	.95	.32	.05	.14	.02	.02	.00	.00	.00	.00	.00	.00	.00	9.21
4-7	0	2	2	14	0	0	0	0	0	0	0	0	0	0	0	0	0	18
(1)	.00	.48	.48	3.37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.34
(2)	.00	.05	.05	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42
8-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	11	99	240	41	14	2	6	1	1	0	0	0	0	0	0	0	415
(1)	.00	2.65	23.86	57.83	9.88	3.37	.48	1.45	.24	.24	.00	.00	.00	.00	.00	.00	.00	100.00
(2)	.00	.26	2.30	5.57	.95	.32	.05	.14	.02	.02	.00	.00	.00	.00	.00	.00	.00	9.62

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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Table 2.7-65 SSES 33' (10m) 2001-2006 April JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL
		CLASS FREQUENCY (PERCENT) = 100.00																
		WIND DIRECTION FROM																
STABILITY CLASS ALL		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	
SPEED MPH	CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
C-3		32	133	239	439	160	97	83	73	82	44	23	14	3	9	14	0	
(1)	(1)	.74	3.08	5.54	10.18	3.71	2.25	1.92	1.69	1.90	1.02	.53	.32	.07	.21	.32	.00	
(2)	(2)	.74	3.08	5.54	10.18	3.71	2.25	1.92	1.69	1.90	1.02	.53	.32	.07	.21	.32	.00	
4-7		127	242	191	69	57	64	65	72	128	134	68	36	42	39	44	0	
(1)	(1)	2.95	5.61	4.43	1.60	1.32	1.48	1.51	1.67	2.97	3.11	1.58	.83	.97	.90	1.02	.00	
(2)	(2)	2.95	5.61	4.43	1.60	1.32	1.48	1.51	1.67	2.97	3.11	1.58	.83	.97	.90	1.02	.00	
8-12		158	112	45	11	13	26	41	22	43	144	98	52	60	118	109	0	
(1)	(1)	3.66	2.60	1.04	.26	.30	.60	.95	.51	1.00	1.23	2.27	1.21	1.39	2.74	2.53	.00	
(2)	(2)	3.66	2.60	1.04	.26	.30	.60	.95	.51	1.00	1.23	2.27	1.21	1.39	2.74	2.53	.00	
13-18		4	3	0	0	0	0	6	1	1	0	25	19	8	22	11	0	
(1)	(1)	.09	.07	.00	.00	.00	.00	.14	.02	.02	.00	.58	.44	.19	.51	.26	.00	
(2)	(2)	.09	.07	.00	.00	.00	.00	.14	.02	.02	.00	.58	.44	.19	.51	.26	.00	
19-24		0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	
(1)	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.02	.00	
(2)	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.02	.00	
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS		321	490	475	519	230	187	195	168	245	269	216	121	113	188	179	0	
(1)	(1)	7.44	11.36	11.02	12.04	5.33	4.34	4.52	3.90	5.68	6.24	5.01	2.81	2.62	4.36	4.15	.00	
(2)	(2)	7.44	11.36	11.02	12.04	5.33	4.34	4.52	3.90	5.68	6.24	5.01	2.81	2.62	4.36	4.15	.00	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-66 SSES 33' (10m) 2001-2006 May JFD

(Page 1 of 8)

33.0 FT WIND DATA		SSES MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		CLASS FREQUENCY (PERCENT) = 6.86																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS A													TOTAL				
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	3	3	1	1	0	0	4	0	2	1	0	0	1	0	0	16
(1)	.00	.00	1.03	1.03	.34	.34	.00	.00	1.37	.00	.69	.34	.00	.00	.34	.00	.00	5.50
(2)	.00	.00	.07	.07	.02	.02	.00	.00	.09	.00	.05	.02	.00	.00	.02	.00	.00	.38
4-7	1	10	12	3	6	9	11	16	18	24	41	6	2	1	0	2	0	162
(1)	.34	3.44	4.12	1.03	2.06	3.09	3.78	5.50	6.19	8.25	14.09	2.06	.69	.34	.00	.69	.00	55.67
(2)	.02	.24	.28	.07	.14	.21	.26	.38	.42	.57	.97	.14	.05	.02	.00	.05	.00	3.82
8-12	16	7	1	0	0	0	0	3	10	10	34	17	1	2	1	2	0	104
(1)	5.50	2.41	.34	.00	.00	.00	.00	1.03	3.44	3.44	11.68	5.84	.34	.69	.34	.69	.00	35.74
(2)	.38	.16	.02	.00	.00	.00	.00	.07	.24	.24	.80	.40	.02	.05	.02	.05	.00	2.45
13-18	6	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	9
(1)	2.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.34	.34	.00	.00	.00	.34	.00	3.09
(2)	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.02	.00	.21
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	23	17	16	6	7	10	11	19	32	34	78	25	3	3	2	5	0	291
(1)	7.90	5.84	5.50	2.06	2.41	3.44	3.78	6.53	11.00	11.68	26.80	8.59	1.03	1.03	.69	1.72	.00	100.00
(2)	.54	.40	.38	.14	.16	.24	.26	.45	.75	.80	1.84	.59	.07	.07	.05	.12	.00	6.86

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-66 SSES 33' (10m) 2001-2006 May JFD
(Page 2 of 8)

SPEED MPH	33.0 FT WIND DATA																TOTAL
	STABILITY CLASS B								WIND DIRECTION FROM								
	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	3	2	1	2	1	0	3	2	0	0	0	0	0	0	21
(1)	.00	.60	1.81	1.20	3.61	1.20	.60	.00	1.81	1.20	.00	.00	.00	.00	.00	.00	12.65
(2)	.00	.02	.07	.05	.14	.02	.02	.00	.07	.05	.00	.00	.00	.00	.00	.00	.49
4-7	1	5	6	2	4	5	4	2	11	15	4	1	0	2	0	0	65
(1)	.60	3.01	3.61	1.20	2.41	3.01	2.41	1.20	6.63	9.04	2.41	.60	.00	1.20	.00	.00	39.16
(2)	.02	.12	.14	.05	.09	.12	.09	.05	.26	.35	.09	.02	.00	.05	.00	.00	1.53
8-12	12	3	2	1	3	0	0	1	1	25	7	1	5	1	8	0	73
(1)	7.23	1.81	1.20	.60	1.81	.00	.00	.60	.60	15.06	4.22	.60	3.01	.60	4.82	.00	43.98
(2)	.28	.07	.05	.02	.07	.00	.00	.02	.02	.59	.16	.02	.12	.02	.19	.00	1.72
13-18	3	1	0	0	0	0	0	0	0	0	2	0	0	0	1	0	7
(1)	1.81	.60	.00	.00	.00	.00	.00	.00	.00	.00	1.20	.00	.00	.00	.60	.00	4.22
(2)	.07	.02	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.02	.00	.16
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	16	10	11	5	13	4	7	8	15	42	13	2	5	3	9	0	166
(1)	9.64	6.02	6.63	3.01	7.83	2.41	4.22	4.82	9.04	25.30	7.83	1.20	3.01	1.81	5.42	.00	100.00
(2)	.38	.24	.26	.12	.31	.09	.16	.19	.35	.99	.31	.05	.12	.07	.21	.00	3.91

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-66 SSES 33' (10m) 2001-2006 May JFD
(Page 3 of 8)

SPEED MPH	33.0 FT WIND DATA																TOTAL
	STABILITY CLASS C								WIND DIRECTION FROM								
	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	1	1	4	4	1	4	1	3	2	0	0	0	0	1	0	25
(1)	.41	.41	.82	1.65	1.65	.41	1.65	.41	1.23	.82	.00	.00	.00	.00	.41	.00	10.29
(2)	.02	.02	.05	.09	.09	.02	.09	.02	.07	.05	.00	.00	.00	.00	.02	.00	.59
4-7	5	3	7	5	5	8	3	8	19	30	5	1	1	2	4	0	113
(1)	2.06	1.23	2.88	2.06	2.06	3.29	1.23	3.29	7.82	12.35	2.06	.41	.41	.82	1.65	.00	46.50
(2)	.12	.07	.16	.12	.12	.19	.07	.19	.45	.71	.12	.02	.02	.05	.09	.00	2.66
8-12	11	7	0	1	1	3	2	2	1	21	15	4	6	2	8	0	85
(1)	4.53	2.88	.00	.41	.41	1.23	.82	.82	.41	8.64	6.17	1.65	2.47	.82	3.29	.00	34.98
(2)	.26	.16	.00	.02	.02	.07	.05	.05	.02	.49	.35	.09	.14	.05	.19	.00	2.00
13-18	3	0	0	0	0	0	0	0	0	2	10	1	0	0	4	0	20
(1)	1.23	.00	.00	.00	.00	.00	.00	.00	.00	.82	4.12	.41	.00	.00	1.65	.00	8.23
(2)	.07	.00	.00	.00	.00	.00	.00	.00	.00	.05	.24	.02	.00	.00	.09	.00	.47
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	20	11	8	10	10	12	9	11	23	55	30	6	7	4	17	0	243
(1)	8.23	4.53	3.29	4.12	4.12	4.94	3.70	4.53	9.47	22.63	12.35	2.47	2.88	1.65	7.00	.00	100.00
(2)	.47	.26	.19	.24	.24	.28	.21	.26	.54	1.30	.71	.14	.16	.09	.40	.00	5.72

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-66 SSES 33' (10m) 2001-2006 May JFD
(Page 4 of 8)

SPEED MPH	SSES MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL			
	CLASS FREQUENCY (PERCENT) = 38.78																			
	WIND DIRECTION FROM																			
33.0 FT WIND DATA		STABILITY CLASS D																VRBL	TOTAL	
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNNW	NW	NNW			
CALM	1	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
(1)	.06	.00	.06	.06	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30
(2)	.02	.00	.02	.02	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12
C-3	3	22	50	33	45	31	38	26	36	35	28	10	5	3	3	3	1	1	0	369
(1)	.18	1.34	3.04	2.00	2.73	1.88	2.31	1.58	2.19	2.13	1.70	.61	.30	.18	.18	.18	.06	.06	.00	22.42
(2)	.07	.52	1.18	.78	1.06	.73	.90	.61	.85	.82	.66	.24	.12	.07	.07	.07	.02	.02	.00	8.69
4-7	67	90	68	37	39	52	53	49	44	77	94	41	24	21	21	21	26	0	0	803
(1)	4.07	5.47	4.13	2.25	2.37	3.16	3.22	2.98	2.67	4.68	5.71	2.49	1.46	1.28	1.28	1.28	1.58	.00	.00	48.78
(2)	1.58	2.12	1.60	.87	.92	1.22	1.25	1.15	1.04	1.81	2.21	.97	.57	.49	.49	.49	.61	.00	.00	18.92
8-12	53	36	0	4	16	13	5	6	13	3	75	47	32	23	23	44	43	0	0	413
(1)	3.22	2.19	.00	.24	.97	.79	.30	.36	.79	.18	4.56	2.86	1.94	1.40	1.40	2.67	2.61	.00	.00	25.09
(2)	1.25	.85	.00	.09	.38	.31	.12	.14	.31	.07	1.77	1.11	.75	.54	.54	1.04	1.01	.00	.00	9.73
13-18	0	0	0	0	2	2	0	1	1	0	5	16	12	12	12	3	2	0	0	56
(1)	.00	.00	.00	.00	.12	.12	.00	.06	.06	.00	.30	.97	.73	.73	.73	.18	.12	.00	.00	3.40
(2)	.00	.00	.00	.00	.05	.05	.00	.02	.02	.00	.12	.38	.28	.28	.28	.07	.05	.00	.00	1.32
19-24	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	124	148	119	75	104	98	96	82	94	115	202	114	73	59	71	72	72	0	0	1646
(1)	7.53	8.99	7.23	4.56	6.32	5.95	5.83	4.98	5.71	6.99	12.27	6.93	4.43	3.58	4.31	4.37	4.37	.00	.00	100.00
(2)	2.92	3.49	2.80	1.77	2.45	2.31	2.26	1.93	2.21	2.71	4.76	2.69	1.72	1.39	1.67	1.70	1.70	.00	.00	38.78

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-66 SSES 33' (10m) 2001-2006 May JFD
(Page 5 of 8)

33.0 FT WIND DATA		SSES MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													VRBL		TOTAL		
		STABILITY CLASS E		CLASS FREQUENCY (PERCENT) = 26.12															
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	0	2	3	2	1	0	0	0	1	0	0	0	0	0	0	0	0	9
(1)	.00	.00	.18	.27	.18	.09	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.81
(2)	.00	.00	.05	.07	.05	.02	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.21
C-3	17	51	112	135	91	62	56	47	72	54	18	6	6	3	2	7	0	0	739
(1)	1.53	4.60	10.10	12.17	8.21	5.59	5.05	4.24	6.49	4.87	1.62	.54	.54	.27	.18	.63	.00	.00	66.64
(2)	.40	1.20	2.64	3.18	2.14	1.46	1.32	1.11	1.70	1.27	.42	.14	.14	.07	.05	.16	.00	.00	17.41
4-7	29	43	34	13	11	7	16	19	29	37	32	13	8	2	12	26	0	0	331
(1)	2.61	3.88	3.07	1.17	.99	.63	1.44	1.71	2.61	3.34	2.89	1.17	.72	.18	1.08	2.34	.00	.00	29.85
(2)	.68	1.01	.80	.31	.26	.16	.38	.45	.68	.87	.75	.31	.19	.05	.28	.61	.00	.00	7.80
8-12	2	3	0	0	2	0	0	0	4	2	6	2	2	1	2	3	0	0	29
(1)	.18	.27	.00	.00	.18	.00	.00	.00	.36	.18	.54	.18	.18	.09	.18	.27	.00	.00	2.61
(2)	.05	.07	.00	.00	.05	.00	.00	.00	.09	.05	.14	.05	.05	.02	.05	.07	.00	.00	.68
13-18	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	.00	.09	.00	.00	.00	.00	.00	.00	.00	.09
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	48	97	148	151	106	70	72	66	105	94	57	21	16	6	16	36	0	0	1109
(1)	4.33	8.75	13.35	13.62	9.56	6.31	6.49	5.95	9.47	8.48	5.14	1.89	1.44	.54	1.44	3.25	.00	.00	100.00
(2)	1.13	2.29	3.49	3.56	2.50	1.65	1.70	1.55	2.47	2.21	1.34	.49	.38	.14	.38	.85	.00	.00	26.12

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-66 SSES 33' (10m) 2001-2006 May JFD
(Page 6 of 8)

33.0 FT WIND DATA	SPEED MPH	STABILITY CLASS F																TOTAL	
		CLASS FREQUENCY (PERCENT) = 11.99																	
		WIND DIRECTION FROM																	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL		
CALM	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.20	.20	.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.59
(2)	.00	.00	.02	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07
C-3	2	16	73	189	79	34	22	18	21	12	9	1	3	0	1	0	0	0	480
(1)	.39	3.14	14.34	37.13	15.52	6.68	4.32	3.54	4.13	2.36	1.77	.20	.59	.00	.20	.00	.00	.00	94.30
(2)	.05	.38	1.72	4.45	1.86	.80	.52	.42	.49	.28	.21	.02	.07	.00	.02	.00	.00	.00	11.31
4-7	4	3	5	4	1	0	0	0	1	2	4	0	1	0	1	0	0	0	26
(1)	.79	.59	.98	.79	.20	.00	.00	.20	.00	.39	.79	.00	.20	.00	.20	.00	.00	.00	5.11
(2)	.09	.07	.12	.09	.02	.00	.00	.02	.00	.05	.09	.00	.02	.00	.02	.00	.00	.00	.61
8-12	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	6	19	79	194	81	34	22	19	21	14	13	1	4	0	2	0	0	0	509
(1)	1.18	3.73	15.52	38.11	15.91	6.68	4.32	3.73	4.13	2.75	2.55	.20	.79	.00	.39	.00	.00	.00	100.00
(2)	.14	.45	1.86	4.57	1.91	.80	.52	.45	.49	.33	.31	.02	.09	.00	.05	.00	.00	.00	11.99

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-66 SSES 33' (10m) 2001-2006 May JFD
(Page 7 of 8)

33.0 FT WIND DATA	SPEED MPH	STABILITY CLASS G																TOTAL		
		SSES MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																		
		CLASS FREQUENCY (PERCENT) = 6.62																		
		WIND DIRECTION FROM																		
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL		
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.36
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3	0	1	39	169	37	13	6	4	4	4	3	0	0	0	0	0	1	0	0	277
(1)	.00	.36	13.88	60.14	13.17	4.63	2.14	1.42	1.42	1.07	.00	.00	.00	.00	.00	.00	.36	.00	.00	98.58
(2)	.00	.02	.92	3.98	.87	.31	.14	.09	.09	.07	.00	.00	.00	.00	.00	.00	.02	.00	.00	6.53
4-7	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.71	.36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.07
(2)	.00	.05	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07
8-12	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	3	40	170	37	13	6	4	4	3	0	0	0	0	0	0	1	0	0	281
(1)	.00	1.07	14.23	60.50	13.17	4.63	2.14	1.42	1.42	1.07	.00	.00	.00	.00	.00	.00	.36	.00	.00	100.00
(2)	.00	.07	.94	4.00	.87	.31	.14	.09	.09	.07	.00	.00	.00	.00	.00	.00	.02	.00	.00	6.62

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-66 SSES 33' (10m) 2001-2006 May JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSES MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 100.00					
		STABILITY CLASS ALL													WIND DIRECTION FROM				TOTAL	
		SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	1	0	4	6	5	1	0	0	0	0	1	0	0	0	0	0	0	0	0	18
(1)	.02	.00	.09	.14	.12	.02	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.42
(2)	.02	.00	.09	.14	.12	.02	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.42
C-3	23	92	281	535	261	146	125	100	138	110	61	18	14	14	6	7	10	10	0	1927
(1)	.54	2.17	6.62	12.60	6.15	3.44	2.94	2.36	3.25	2.59	1.44	.42	.33	.33	.14	.16	.24	.24	.00	45.39
(2)	.54	2.17	6.62	12.60	6.15	3.44	2.94	2.36	3.25	2.59	1.44	.42	.33	.14	.16	.24	.24	.00	.00	45.39
4-7	107	156	133	64	68	76	93	92	101	170	216	69	37	25	38	58	0	0	0	1503
(1)	2.52	3.67	3.13	1.51	1.60	1.79	2.19	2.17	2.38	4.00	5.09	1.63	.87	.59	.90	1.37	.00	.00	.00	35.41
(2)	2.52	3.67	3.13	1.51	1.60	1.79	2.19	2.17	2.38	4.00	5.09	1.63	.87	.59	.90	1.37	.00	.00	.00	35.41
8-12	94	56	3	6	22	14	8	14	30	17	161	88	40	37	50	64	0	0	0	704
(1)	2.21	1.32	.07	.14	.52	.33	.19	.33	.71	.40	3.79	2.07	.94	.87	1.18	1.51	.00	.00	.00	16.58
(2)	2.21	1.32	.07	.14	.52	.33	.19	.33	.71	.40	3.79	2.07	.94	.87	1.18	1.51	.00	.00	.00	16.58
13-18	12	1	0	0	2	2	0	1	1	0	9	29	13	12	3	8	0	0	0	93
(1)	.28	.02	.00	.00	.05	.05	.00	.02	.02	.00	.21	.68	.31	.28	.07	.19	.00	.00	.00	2.19
(2)	.28	.02	.00	.00	.05	.05	.00	.02	.02	.00	.21	.68	.31	.28	.07	.19	.00	.00	.00	2.19
19-24	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	237	305	421	611	358	239	226	207	270	298	447	204	104	80	98	140	0	0	0	4245
(1)	5.58	7.18	9.92	14.39	8.43	5.63	5.32	4.88	6.36	7.02	10.53	4.81	2.45	1.88	2.31	3.30	.00	.00	.00	100.00
(2)	5.58	7.18	9.92	14.39	8.43	5.63	5.32	4.88	6.36	7.02	10.53	4.81	2.45	1.88	2.31	3.30	.00	.00	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-67 SSES 33' (10m) 2001-2006 June JFD

(Page 1 of 8)

33.0 FT WIND DATA	SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 8.43																	
	WIND DIRECTION FROM																	
STABILITY CLASS A	WIND DIRECTION FROM																VRBL	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	2	2	1	3	8	9	10	5	7	4	1	2	0	0	1	0	55
(1)	.00	.55	.55	.27	.82	2.20	2.47	2.75	1.37	1.92	1.10	.27	.55	.00	.00	.27	.00	15.11
(2)	.00	.05	.05	.02	.07	.19	.21	.23	.12	.16	.09	.02	.05	.00	.00	.02	.00	1.27
4-7	3	7	12	6	9	2	11	6	6	44	74	15	4	1	0	3	0	203
(1)	.82	1.92	3.30	1.65	2.47	.55	3.02	1.65	1.65	12.09	20.33	4.12	1.10	.27	.00	.82	.00	55.77
(2)	.07	.16	.28	.14	.21	.05	.25	.14	.14	1.02	1.71	.35	.09	.02	.00	.07	.00	4.70
8-12	0	1	0	0	0	0	1	0	0	4	59	28	6	0	4	2	0	105
(1)	.00	.27	.00	.00	.00	.00	.27	.00	.00	1.10	16.21	7.69	1.65	.00	1.10	.55	.00	28.85
(2)	.00	.02	.00	.00	.00	.00	.02	.00	.00	.09	1.37	.65	.14	.00	.09	.05	.00	2.43
13-18	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	.27	.00	.00	.00	.00	.00	.27
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.02
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	10	14	7	12	10	21	16	11	55	137	45	12	1	4	6	0	364
(1)	.82	2.75	3.85	1.92	3.30	2.75	5.77	4.40	3.02	15.11	37.64	12.36	3.30	.27	1.10	1.65	.00	100.00
(2)	.07	.23	.32	.16	.28	.23	.49	.37	.25	1.27	3.17	1.04	.28	.02	.09	.14	.00	8.43

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-67 SSES 33' (10m) 2001-2006 June JFD
(Page 2 of 8)

33.0 FT WIND DATA	SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 4.54																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS B																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	2	0	3	7	4	5	6	3	3	5	1	3	1	0	0	0	0	40
(1)	1.02	.00	1.53	3.57	2.04	2.55	3.06	1.53	1.53	2.55	.51	1.53	.51	.00	.00	.00	.00	20.41
(2)	.05	.00	.07	.16	.09	.12	.14	.07	.07	.12	.02	.07	.02	.00	.00	.00	.00	.93
4-7	6	8	10	3	1	0	4	1	1	2	15	33	8	4	1	3	0	99
(1)	3.06	4.08	5.10	1.53	.51	.00	2.04	.51	.51	1.02	7.65	16.84	4.08	2.04	.51	1.53	.00	50.51
(2)	.14	.19	.23	.07	.02	.00	.09	.02	.02	.05	.35	.76	.19	.09	.02	.07	.00	2.29
8-12	2	0	0	0	0	0	0	0	0	0	0	30	11	7	2	4	0	56
(1)	1.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	15.31	5.61	3.57	1.02	2.04	.00	28.57
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.69	.25	.16	.05	.09	.00	1.30
13-18	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	.51	.00	.00	.00	.00	.51
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.02
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	8	13	10	5	5	10	4	7	16	66	21	11	11	2	7	0	196
(1)	5.10	4.08	6.63	5.10	2.55	2.55	5.10	2.04	3.57	8.16	33.67	10.71	5.61	5.61	1.02	3.57	.00	100.00
(2)	.23	.19	.30	.23	.12	.12	.23	.09	.16	.37	1.53	.49	.25	.25	.05	.16	.00	4.54

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-67 SSES 33' (10m) 2001-2006 June JFD
(Page 3 of 8)

33.0 FT WIND DATA	SPEED MPH	SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL				
		CLASS FREQUENCY (PERCENT) = 5.37																				
		WIND DIRECTION FROM																				
		STABILITY CLASS C																				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL			
CALM	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	5	4	5	5	4	4	2	2	3	4	1	0	0	0	0	1	0	0	38		
(1)	.43	2.16	1.72	2.16	2.16	1.72	1.72	.86	.86	1.29	1.72	.43	.00	.00	.00	.00	.43	.00	.00	16.38		
(2)	.02	.12	.07	.12	.12	.09	.09	.05	.05	.07	.09	.02	.00	.00	.00	.00	.02	.00	.00	.88		
4-7	9	8	7	6	2	2	0	0	0	4	13	47	8	3	2	1	7	0	0	120		
(1)	3.88	3.45	3.02	2.59	.43	.86	.00	.86	.00	1.72	5.60	20.26	3.45	1.29	.86	.43	3.02	.00	.00	51.72		
(2)	.21	.19	.16	.14	.02	.05	.00	.05	.00	.09	.30	1.09	.19	.07	.05	.02	.16	.00	.00	2.78		
8-12	2	0	0	0	0	0	0	0	0	0	0	27	18	6	1	7	8	0	0	69		
(1)	.86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	11.64	7.76	2.59	.43	3.02	3.45	.00	.00	29.74		
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.63	.42	.14	.02	.16	.19	.00	.00	1.60		
13-18	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	2	0	0	5		
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.43	.00	.00	.86	.86	.00	.00	2.16		
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.05	.05	.00	.00	.12		
19-24	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS	12	13	10	10	6	7	4	4	4	7	17	75	27	9	3	10	18	0	0	232		
(1)	5.17	5.60	4.31	4.31	2.59	3.02	1.72	1.72	1.72	3.02	7.33	32.33	11.64	3.88	1.29	4.31	7.76	.00	.00	100.00		
(2)	.28	.30	.23	.23	.14	.16	.09	.09	.09	.16	.39	1.74	.62	.21	.07	.23	.42	.00	.00	5.37		

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-67 SSES 33' (10m) 2001-2006 June JFD
(Page 4 of 8)

33.0 FT WIND DATA	SPEED MPH	STABILITY CLASS D																TOTAL	
		CLASS FREQUENCY (PERCENT) = 33.24																	
		WIND DIRECTION FROM																	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL		
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	21	39	67	60	66	41	51	31	47	62	37	8	5	3	5	2	0	0	545
(1)	1.46	2.72	4.67	4.18	4.60	2.86	3.55	2.16	3.27	4.32	2.58	.56	.35	.21	.35	.14	.00	.00	37.95
(2)	.49	.90	1.55	1.39	1.53	.95	1.18	.72	1.09	1.44	.86	.19	.12	.07	.12	.05	.00	.00	12.62
4-7	55	70	44	12	9	18	38	36	42	89	144	48	24	16	20	45	0	0	710
(1)	3.83	4.87	3.06	.84	.63	1.25	2.65	2.51	2.92	6.20	10.03	3.34	1.67	1.11	1.39	3.13	.00	.00	49.44
(2)	1.27	1.62	1.02	.28	.21	.42	.88	.83	.97	2.06	3.33	1.11	.56	.37	.46	1.04	.00	.00	16.44
8-12	13	6	1	0	0	0	1	0	1	1	49	40	9	4	28	25	0	0	178
(1)	.91	.42	.07	.00	.00	.00	.07	.00	.07	.07	3.41	2.79	.63	.28	1.95	1.74	.00	.00	12.40
(2)	.30	.14	.02	.00	.00	.00	.02	.00	.02	.02	1.13	.93	.21	.09	.65	.58	.00	.00	4.12
13-18	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.00	.00	.00	.00	.00	.00	.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00	.00	.07
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	89	115	112	72	75	59	90	67	90	152	230	99	38	23	53	72	0	0	1436
(1)	6.20	8.01	7.80	5.01	5.22	4.11	6.27	4.67	6.27	10.58	16.02	6.89	2.65	1.60	3.69	5.01	.00	.00	100.00
(2)	2.06	2.66	2.59	1.67	1.74	1.37	2.08	1.55	2.08	3.52	5.32	2.29	.88	.53	1.23	1.67	.00	.00	33.24

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-67 SSES 33' (10m) 2001-2006 June JFD
(Page 5 of 8)

33.0 FT WIND DATA	SPEED MPH	STABILITY CLASS E																TOTAL	
		CLASS FREQUENCY (PERCENT) = 28.13																	
		WIND DIRECTION FROM																	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	24	72	125	153	111	74	73	57	90	67	23	12	4	6	5	3	0	0	899
(1)	1.98	5.93	10.29	12.59	9.14	6.09	6.01	4.69	7.41	5.51	1.89	.99	.33	.49	.41	.25	.00	.00	73.99
(2)	.56	1.67	2.89	3.54	2.57	1.71	1.69	1.32	2.08	1.55	.53	.28	.09	.14	.12	.07	.00	.00	20.81
4-7	32	60	19	3	1	5	9	10	20	56	42	7	4	6	6	16	0	0	296
(1)	2.63	4.94	1.56	.25	.08	.41	.74	.82	1.65	4.61	3.46	.58	.33	.49	.49	1.32	.00	.00	24.36
(2)	.74	1.39	.44	.07	.02	.12	.21	.23	.46	1.30	.97	.16	.09	.14	.14	.37	.00	.00	6.85
8-12	3	3	0	0	0	0	0	1	0	1	4	1	1	1	2	3	0	0	20
(1)	.25	.25	.00	.00	.00	.00	.00	.08	.00	.08	.33	.08	.08	.08	.16	.25	.00	.00	1.65
(2)	.07	.07	.00	.00	.00	.00	.00	.02	.00	.02	.09	.02	.02	.02	.05	.07	.00	.00	.46
13-18	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	59	135	144	156	112	79	82	68	110	124	69	20	9	13	13	22	0	0	1215
(1)	4.86	11.11	11.85	12.84	9.22	6.50	6.75	5.60	9.05	10.21	5.68	1.65	.74	1.07	1.07	1.81	.00	.00	100.00
(2)	1.37	3.13	3.33	3.61	2.59	1.83	1.90	1.57	2.55	2.87	1.60	.46	.21	.30	.30	.51	.00	.00	28.13

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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Table 2.7-67 SSES 33' (10m) 2001-2006 June JFD
(Page 6 of 8)

33.0 FT WIND DATA	SPEED MPH	STABILITY CLASS F																TOTAL				
		SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																				
		CLASS FREQUENCY (PERCENT) = 14.31																				
		WIND DIRECTION FROM																				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL				
CALM	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	4	13	55	322	111	28	23	14	15	14	2	0	0	0	1	2	0	0	0	0	604	
(1)	.65	2.10	8.90	52.10	17.96	4.53	3.72	2.27	2.43	2.27	.32	.00	.00	.00	.16	.32	.00	.00	.00	.00	97.73	
(2)	.09	.30	1.27	7.45	2.57	.65	.53	.32	.35	.32	.05	.00	.00	.00	.02	.05	.00	.00	.00	.00	13.98	
4-7	3	2	2	5	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	14	
(1)	.49	.32	.32	.81	.00	.00	.00	.00	.00	.00	.16	.00	.00	.00	.00	.16	.00	.00	.00	.00	2.27	
(2)	.07	.05	.05	.12	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.02	.00	.00	.00	.00	.32	
8-12	0	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
13-18	0	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
19-24	0	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24	0	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS	7	15	57	327	111	28	23	14	15	14	3	0	0	0	1	3	0	0	0	0	618	
(1)	1.13	2.43	9.22	52.91	17.96	4.53	3.72	2.27	2.43	2.27	.49	.00	.00	.00	.16	.49	.00	.00	.00	.00	100.00	
(2)	.16	.35	1.32	7.57	2.57	.65	.53	.32	.35	.32	.07	.00	.00	.00	.02	.07	.00	.00	.00	.00	14.31	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-67 SSES 33' (10m) 2001-2006 June JFD
(Page 7 of 8)

33.0 FT WIND DATA	SPEED MPH	STABILITY CLASS G																TOTAL				
		SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																				
		CLASS FREQUENCY (PERCENT) = 6.00																				
		WIND DIRECTION FROM																				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL			
CALM	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	43	164	24	8	7	3	3	3	0	1	0	0	0	1	0	0	0	0	255	
(1)	.00	.39	16.60	63.32	9.27	3.09	2.70	1.16	1.16	1.16	.00	.39	.00	.00	.00	.39	.00	.00	.00	.00	98.46	
(2)	.00	.02	1.00	3.80	.56	.19	.16	.07	.07	.07	.00	.02	.00	.00	.00	.02	.00	.00	.00	.00	5.90	
4-7	0	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	4	
(1)	.00	.00	.00	.77	.00	.00	.00	.00	.00	.00	.39	.39	.00	.00	.00	.00	.00	.00	.00	.00	1.54	
(2)	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.09	
8-12	0	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
13-18	0	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
19-24	0	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24	0	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS	0	1	43	166	24	8	7	3	3	3	1	2	0	0	0	1	0	0	0	0	259	
(1)	.00	.39	16.60	64.09	9.27	3.09	2.70	1.16	1.16	1.16	.39	.77	.00	.00	.00	.39	.00	.00	.00	.00	100.00	
(2)	.00	.02	1.00	3.84	.56	.19	.16	.07	.07	.07	.02	.05	.00	.00	.00	.02	.00	.00	.00	.00	6.00	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-67 SSES 33' (10m) 2001-2006 June JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)														TOTAL			
		CLASS FREQUENCY (PERCENT) = 100.00																	
		WIND DIRECTION FROM																	
STABILITY CLASS ALL		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	52	132	298	711	324	169	173	120	168	155	71	22	11	10	13	7	7	0	2436
(1)	1.20	3.06	6.90	16.46	7.50	3.91	4.00	2.78	3.89	3.59	1.64	.51	.25	.23	.30	.16	.16	.00	56.39
(2)	1.20	3.06	6.90	16.46	7.50	3.91	4.00	2.78	3.89	3.59	1.64	.51	.25	.23	.30	.16	.16	.00	56.39
4-7	108	155	94	37	21	27	62	55	74	218	342	86	39	26	28	74	74	0	1446
(1)	2.50	3.59	2.18	.86	.49	.63	1.44	1.27	1.71	5.05	7.92	1.99	.90	.60	.65	1.71	1.71	.00	33.47
(2)	2.50	3.59	2.18	.86	.49	.63	1.44	1.27	1.71	5.05	7.92	1.99	.90	.60	.65	1.71	1.71	.00	33.47
8-12	20	10	1	0	0	0	2	1	1	6	169	98	29	6	43	42	42	0	428
(1)	.46	.23	.02	.00	.00	.00	.05	.02	.02	.14	3.91	2.27	.67	.14	1.00	.97	.97	.00	9.91
(2)	.46	.23	.02	.00	.00	.00	.05	.02	.02	.14	3.91	2.27	.67	.14	1.00	.97	.97	.00	9.91
13-18	0	0	0	0	0	0	0	0	0	0	0	6	0	0	2	2	2	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.00	.05	.05	.05	.00	.23
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.00	.05	.05	.05	.00	.23
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	180	297	393	748	345	196	237	176	243	379	582	212	79	42	86	125	125	0	4320
(1)	4.17	6.88	9.10	17.31	7.99	4.54	5.49	4.07	5.63	8.77	13.47	4.91	1.83	.97	1.99	2.89	2.89	.00	100.00
(2)	4.17	6.88	9.10	17.31	7.99	4.54	5.49	4.07	5.63	8.77	13.47	4.91	1.83	.97	1.99	2.89	2.89	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-68 SSES 33' (10m) 2001-2006 July JFD
(Page 1 of 8)

33.0 FT WIND DATA		SSES JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		CLASS FREQUENCY (PERCENT) = 11.16																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS A													TOTAL				
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	2	1	12	14	15	8	6	5	11	9	8	3	0	1	0	1	0	96
(1)	.40	.20	2.41	2.81	3.01	1.61	1.20	1.00	2.21	1.81	1.61	.60	.00	.20	.00	.20	.00	19.28
(2)	.04	.02	.27	.31	.34	.18	.13	.11	.25	.20	.18	.07	.00	.02	.00	.02	.00	2.15
4-7	12	20	9	9	5	4	14	7	19	50	105	17	1	2	2	7	0	283
(1)	2.41	4.02	1.81	1.81	1.00	.80	2.81	1.41	3.82	10.04	21.08	3.41	.20	.40	.40	1.41	.00	56.83
(2)	.27	.45	.20	.20	.11	.09	.31	.16	.43	1.12	2.35	.38	.02	.04	.04	.16	.00	6.34
8-12	16	9	0	0	0	0	0	0	0	0	49	34	7	0	1	3	0	119
(1)	3.21	1.81	.00	.00	.00	.00	.00	.00	.00	.00	9.84	6.83	1.41	.00	.20	.60	.00	23.90
(2)	.36	.20	.00	.00	.00	.00	.00	.00	.00	.00	1.10	.76	.16	.00	.02	.07	.00	2.67
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	30	21	23	20	12	20	12	30	59	162	54	8	3	3	11	0	498
(1)	6.02	6.02	4.22	4.62	4.02	2.41	4.02	2.41	6.02	11.85	32.53	10.84	1.61	.60	.60	2.21	.00	100.00
(2)	.67	.67	.47	.52	.45	.27	.45	.27	.67	1.32	3.63	1.21	.18	.07	.07	.25	.00	11.16

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Table 2.7-68 SSES 33' (10m) 2001-2006 July JFD
(Page 2 of 8)

33.0 FT WIND DATA		SSES JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL								
		CLASS FREQUENCY (PERCENT) = 4.57																					
		WIND DIRECTION FROM																					
SPEED MPH	STABILITY CLASS B	WIND DIRECTION FROM													TOTAL								
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL				
CALM		0	0	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	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		3	1	3	2	3	1	2	2	3	1	2	0	0	0	0	0	0	0	0	0	0	23
(1)		1.47	.49	1.47	.98	1.47	.49	.98	.98	1.47	.49	.98	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	11.27
(2)		.07	.02	.07	.04	.07	.02	.04	.04	.07	.02	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52
4-7		4	18	7	3	1	0	5	3	6	15	35	9	3	1	2	3	0	3	0	3	0	115
(1)		1.96	8.82	3.43	1.47	.49	.00	2.45	1.47	2.94	7.35	17.16	4.41	1.47	.49	.98	1.47	.00	1.47	.00	1.47	.00	56.37
(2)		.09	.40	.16	.07	.02	.00	.11	.07	.13	.34	.78	.20	.07	.02	.04	.07	.00	.07	.00	.07	.00	2.58
8-12		10	7	0	0	0	0	0	0	0	1	21	12	7	2	2	4	0	2	0	2	0	66
(1)		4.90	3.43	.00	.00	.00	.00	.00	.00	.00	.49	10.29	5.88	3.43	.98	.98	1.96	.00	.98	.00	.98	.00	32.35
(2)		.22	.16	.00	.00	.00	.00	.00	.00	.00	.02	.47	.27	.16	.04	.04	.09	.00	.04	.00	.04	.00	1.48
13-18		0	0	0	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	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24		0	0	0	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	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	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	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		17	26	10	5	4	1	7	5	9	17	58	21	10	3	4	7	0	4	0	7	0	204
(1)		8.33	12.75	4.90	2.45	1.96	.49	3.43	2.45	4.41	8.33	28.43	10.29	4.90	1.47	1.96	3.43	.00	1.96	.00	3.43	.00	100.00
(2)		.38	.58	.22	.11	.09	.02	.16	.11	.20	.38	1.30	.47	.22	.07	.09	.16	.00	.09	.00	.16	.00	4.57

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-68 SSES 33' (10m) 2001-2006 July JFD
(Page 3 of 8)

33.0 FT WIND DATA	SSES JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 6.03																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS C																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	6	2	9	9	6	2	3	5	4	3	0	2	0	1	0	0	53
(1)	.37	2.23	.74	3.35	3.35	2.23	.74	1.12	1.86	1.49	1.12	.00	.74	.00	.37	.00	.00	19.70
(2)	.02	.13	.04	.20	.20	.13	.04	.07	.11	.09	.07	.00	.04	.00	.02	.00	.00	1.19
4-7	16	7	3	1	0	3	7	4	7	22	39	15	5	4	8	3	0	144
(1)	5.95	2.60	1.12	.37	.00	1.12	2.60	1.49	2.60	8.18	14.50	5.58	1.86	1.49	2.97	1.12	.00	53.53
(2)	.36	.16	.07	.02	.00	.07	.16	.09	.16	.49	.87	.34	.11	.09	.18	.07	.00	3.23
8-12	12	3	0	0	0	0	0	0	2	0	11	25	3	1	8	6	0	71
(1)	4.46	1.12	.00	.00	.00	.00	.00	.00	.74	.00	4.09	9.29	1.12	.37	2.97	2.23	.00	26.39
(2)	.27	.07	.00	.00	.00	.00	.00	.00	.04	.00	.25	.56	.07	.02	.18	.13	.00	1.59
13-18	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	.37	.00	.00	.00	.00	.00	.37
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.02
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	16	5	10	9	9	9	7	14	26	53	41	10	5	17	9	0	269
(1)	10.78	5.95	1.86	3.72	3.35	3.35	3.35	2.60	5.20	9.67	19.70	15.24	3.72	1.86	6.32	3.35	.00	100.00
(2)	.65	.36	.11	.22	.20	.20	.20	.16	.31	.58	1.19	.92	.22	.11	.38	.20	.00	6.03

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-68 SSES 33' (10m) 2001-2006 July JFD
(Page 4 of 8)

33.0 FT WIND DATA		SSS JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													VRBL		TOTAL		
		CLASS FREQUENCY (PERCENT) = 28.88																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS D	WIND DIRECTION FROM													NW	NNW	TOTAL		
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W				WNW	
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		7	38	49	57	45	40	33	47	43	37	14	3	2	4	4	4	0	468
(1)		.54	2.95	3.80	4.42	3.49	3.10	2.56	3.65	3.34	2.87	1.09	.23	.16	.31	.31	.31	.00	36.31
(2)		.16	.85	1.10	1.28	1.01	.90	.74	1.05	.96	.83	.31	.07	.04	.09	.09	.09	.00	10.48
4-7		49	69	18	17	14	47	32	60	90	111	48	10	10	23	39	39	0	658
(1)		3.80	5.35	1.40	1.32	1.09	3.65	2.48	4.65	6.98	8.61	3.72	.78	.78	1.78	3.03	3.03	.00	51.05
(2)		1.10	1.55	.40	.38	.31	1.05	.72	1.34	2.02	2.49	1.08	.22	.22	.52	.87	.87	.00	14.74
8-12		12	5	0	0	0	1	1	4	5	69	34	8	4	7	9	9	0	159
(1)		.93	.39	.00	.00	.00	.08	.08	.31	.39	5.35	2.64	.62	.31	.54	.70	.70	.00	12.34
(2)		.27	.11	.00	.00	.00	.02	.02	.09	.11	1.55	.76	.18	.09	.16	.20	.20	.00	3.56
13-18		0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.31	.00	.00	.00	.00	.00	.00	.31
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.09
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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		68	112	67	74	59	88	66	111	138	217	100	21	16	34	52	52	0	1289
(1)		5.28	8.69	5.20	5.74	4.58	6.83	5.12	8.61	10.71	16.83	7.76	1.63	1.24	2.64	4.03	4.03	.00	100.00
(2)		1.52	2.51	1.50	1.66	1.32	1.48	1.97	2.49	3.09	4.86	2.24	.47	.36	.76	1.16	1.16	.00	28.88

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-68 SSES 33' (10m) 2001-2006 July JFD
(Page 5 of 8)

33.0 FT WIND DATA		SSES JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)														TOTAL					
		STABILITY CLASS E		WIND DIRECTION FROM													VRBL				
		CLASS FREQUENCY (PERCENT) = 29.79		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW			W	WNW	NW	NNW
SPEED MPH	CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	16	75	169	221	150	91	90	59	81	64	19	5	1	2	4	0	0	0	0	0	1047
(1)	1.20	5.64	12.71	16.62	11.28	6.84	6.77	4.44	6.09	4.81	1.43	.38	.08	.15	.30	.00	.00	.00	.00	.00	78.72
(2)	.36	1.68	3.79	4.95	3.36	2.04	2.02	1.32	1.81	1.43	.43	.11	.02	.04	.09	.00	.00	.00	.00	.00	23.45
4-7	23	34	10	7	5	10	12	2	25	53	46	10	4	1	11	17	3	0	0	0	270
(1)	1.73	2.56	.75	.53	.38	.75	.90	.15	1.88	3.98	3.46	.75	.30	.08	.83	1.28	.23	.00	.00	.00	20.30
(2)	.52	.76	.22	.16	.11	.22	.27	.04	.56	1.19	1.03	.22	.09	.02	.25	.38	.07	.00	.00	.00	6.05
8-12	1	0	0	0	0	0	0	0	0	0	2	2	2	1	2	3	0	0	0	0	13
(1)	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.15	.15	.08	.15	.23	.00	.00	.00	.00	.98
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.04	.04	.02	.04	.07	.00	.00	.00	.00	.29
13-18	0	0	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	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	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	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	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	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	40	109	179	228	155	101	102	61	106	117	67	17	7	4	17	20	0	0	0	0	1330
(1)	3.01	8.20	13.46	17.14	11.65	7.59	7.67	4.59	7.97	8.80	5.04	1.28	.53	.30	1.28	1.50	.00	.00	.00	.00	100.00
(2)	.90	2.44	4.01	5.11	3.47	2.26	2.28	1.37	2.37	2.62	1.50	.38	.16	.09	.38	.45	.00	.00	.00	.00	29.79

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-68 SSES 33' (10m) 2001-2006 July JFD
(Page 6 of 8)

33.0 FT WIND DATA	SPEED MPH	STABILITY CLASS F																TOTAL			
		SSSES JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																			
		CLASS FREQUENCY (PERCENT) = 15.59																			
		WIND DIRECTION FROM																			
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL		
CALM	0	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	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	17	63	346	136	54	21	14	14	14	11	3	0	0	0	1	2	0	682	0	
(1)	.00	2.44	9.05	49.71	19.54	7.76	3.02	2.01	2.01	1.58	.43	.07	.00	.00	.00	.14	.29	.00	97.99	.00	
(2)	.00	.38	1.41	7.75	3.05	1.21	.47	.31	.31	.25	.07	.00	.00	.00	.00	.02	.04	.00	15.28	.00	
4-7	0	4	1	5	1	0	0	0	0	0	2	0	0	0	0	0	1	0	14	0	
(1)	.00	.57	.14	.72	.14	.00	.00	.00	.00	.00	.29	.00	.00	.00	.00	.00	.14	.00	2.01	.00	
(2)	.00	.09	.02	.11	.02	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00	.00	.02	.00	.31	.00	
8-12	0	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	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	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	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	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	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	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	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	21	64	351	137	54	21	14	14	13	3	0	0	0	0	1	3	0	696	0	
(1)	.00	3.02	9.20	50.43	19.68	7.76	3.02	2.01	2.01	1.87	.43	.07	.00	.00	.00	.14	.43	.00	100.00	.00	
(2)	.00	.47	1.43	7.86	3.07	1.21	.47	.31	.31	.29	.07	.00	.00	.00	.00	.02	.07	.00	15.59	.00	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-68 SSES 33' (10m) 2001-2006 July JFD
(Page 7 of 8)

33.0 FT WIND DATA	SSES JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 3.99																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G													TOTAL				
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	19	114	27	9	0	2	0	0	0	0	0	0	0	1	0	173
(1)	.00	.56	10.67	64.04	15.17	5.06	.00	1.12	.00	.00	.00	.00	.00	.00	.00	.56	.00	97.19
(2)	.00	.02	.43	2.55	.60	.20	.00	.04	.00	.00	.00	.00	.00	.00	.00	.02	.00	3.88
4-7	1	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5
(1)	.56	.00	.00	2.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.81
(2)	.02	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
8-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	19	118	27	9	0	2	0	0	0	0	0	0	0	1	0	178
(1)	.56	.56	10.67	66.29	15.17	5.06	.00	1.12	.00	.00	.00	.00	.00	.00	.00	.56	.00	100.00
(2)	.02	.02	.43	2.64	.60	.20	.00	.04	.00	.00	.00	.00	.00	.00	.00	.02	.00	3.99

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-68 SSES 33' (10m) 2001-2006 July JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSS JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		CLASS FREQUENCY (PERCENT) = 100.00																
		WIND DIRECTION FROM																
		STABILITY CLASS ALL																
		WIND DIRECTION FROM																
		CLASS FREQUENCY (PERCENT) = 100.00																
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	29	139	317	763	385	214	161	118	161	132	72	22	6	5	10	8	0	2542
(1)	.65	3.11	7.10	17.09	8.62	4.79	3.61	2.64	3.61	2.96	1.61	.49	.13	.11	.22	.18	.00	56.94
(2)	.65	3.11	7.10	17.09	8.62	4.79	3.61	2.64	3.61	2.96	1.61	.49	.13	.11	.22	.18	.00	56.94
4-7	105	152	48	46	26	38	85	48	117	232	336	99	23	18	46	70	0	1489
(1)	2.35	3.41	1.08	1.03	.58	.85	1.90	1.08	2.62	5.20	7.53	2.22	.52	.40	1.03	1.57	.00	33.36
(2)	2.35	3.41	1.08	1.03	.58	.85	1.90	1.08	2.62	5.20	7.53	2.22	.52	.40	1.03	1.57	.00	33.36
8-12	51	24	0	0	0	0	1	1	6	6	152	107	27	8	20	25	0	428
(1)	1.14	.54	.00	.00	.00	.00	.02	.02	.13	.13	3.41	2.40	.60	.18	.45	.56	.00	9.59
(2)	1.14	.54	.00	.00	.00	.00	.02	.02	.13	.13	3.41	2.40	.60	.18	.45	.56	.00	9.59
13-18	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	.11	.00	.00	.00	.00	.00	.11
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.11
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	185	315	365	809	411	252	247	167	284	370	560	233	56	31	76	103	0	4464
(1)	4.14	7.06	8.18	18.12	9.21	5.65	5.53	3.74	6.36	8.29	12.54	5.22	1.25	.69	1.70	2.31	.00	100.00
(2)	4.14	7.06	8.18	18.12	9.21	5.65	5.53	3.74	6.36	8.29	12.54	5.22	1.25	.69	1.70	2.31	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-69 SSES 33' (10m) 2001-2006 August JFD
(Page 1 of 8)

33.0 FT WIND DATA		SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL																					
		CLASS FREQUENCY (PERCENT) = 11.16																																					
		WIND DIRECTION FROM																																					
SPEED MPH	STABILITY CLASS A	N		NNE		NE		ENE		E		ESE		SE		SSE		S		SSW		SW		WSW		W		WNW		NW		NNW		VRBL					
		(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)						
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
C-3		0	3	9	13	10	11	9	7	7	11	6	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
(1)		.00	.60	1.81	2.61	2.01	2.21	1.81	1.41	1.41	2.21	1.20	1.00	.40	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	
(2)		.00	.07	.20	.29	.22	.25	.20	.16	.16	.25	.13	.11	.04	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	
4-7		11	20	22	7	3	2	8	12	12	21	49	74	12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
(1)		2.21	4.02	4.42	1.41	.60	.40	1.61	2.41	2.41	4.22	9.84	14.86	2.41	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	
(2)		.25	.45	.49	.16	.07	.04	.18	.27	.27	.47	1.10	1.66	.27	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04
8-12		11	12	0	0	0	2	1	0	0	2	8	58	37	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
(1)		2.21	2.41	.00	.00	.00	.40	.20	.00	.00	.40	1.61	11.65	7.43	1.61	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	
(2)		.25	.27	.00	.00	.00	.04	.02	.00	.00	.04	.18	1.30	.83	.18	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	
13-18		2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
(1)		.40	.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)		.04	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS		24	36	31	20	13	15	18	19	19	34	63	137	51	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11		
(1)		4.82	7.23	6.22	4.02	2.61	3.01	3.61	3.82	3.82	6.83	12.65	27.51	10.24	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21		
(2)		.54	.81	.69	.45	.29	.34	.40	.43	.43	.76	1.41	3.07	1.14	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25		

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-69 SSES 33' (10m) 2001-2006 August JFD
(Page 2 of 8)

33.0 FT WIND DATA	SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 3.85																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS B																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	0	4	8	7	6	2	1	1	1	0	0	0	0	0	1	0	33
(1)	.58	.00	2.33	4.65	4.07	3.49	1.16	.58	.58	.58	.00	.00	.00	.00	.00	.58	.00	19.19
(2)	.02	.00	.09	.18	.16	.13	.04	.02	.02	.02	.00	.00	.00	.00	.00	.02	.00	.74
4-7	5	13	8	5	2	2	2	2	2	14	27	1	2	0	2	2	0	89
(1)	2.91	7.56	4.65	2.91	1.16	1.16	1.16	1.16	1.16	8.14	15.70	.58	1.16	.00	1.16	1.16	.00	51.74
(2)	.11	.29	.18	.11	.04	.04	.04	.04	.04	.31	.61	.02	.04	.00	.04	.04	.00	1.99
8-12	8	2	0	0	0	1	0	0	0	4	13	10	2	3	2	4	0	49
(1)	4.65	1.16	.00	.00	.00	.58	.00	.00	.00	2.33	7.56	5.81	1.16	1.74	1.16	2.33	.00	28.49
(2)	.18	.04	.00	.00	.00	.02	.00	.00	.00	.09	.29	.22	.04	.07	.04	.09	.00	1.10
13-18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.58	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.58
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	15	15	12	13	9	9	4	3	3	19	41	11	4	3	4	7	0	172
(1)	8.72	8.72	6.98	7.56	5.23	5.23	2.33	1.74	1.74	11.05	23.84	6.40	2.33	1.74	2.33	4.07	.00	100.00
(2)	.34	.34	.27	.29	.20	.20	.09	.07	.07	.43	.92	.25	.09	.07	.09	.16	.00	3.85

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-69 SSES 33' (10m) 2001-2006 August JFD
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33.0 FT WIND DATA		SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL						
		CLASS FREQUENCY (PERCENT) = 4.89																			
		WIND DIRECTION FROM																			
SPEED MPH	STABILITY CLASS C	WIND DIRECTION FROM													TOTAL						
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL		
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		3	2	6	7	8	3	7	3	8	5	2	0	1	0	0	0	0	0	55	
(1)		1.38	.92	2.75	3.21	3.67	1.38	3.21	1.38	3.67	2.29	.92	.00	.46	.00	.00	.00	.00	.00	25.23	
(2)		.07	.04	.13	.16	.18	.07	.16	.07	.18	.11	.04	.00	.02	.00	.00	.00	.00	.00	1.23	
4-7		11	19	9	1	2	0	4	2	6	17	32	6	2	1	4	3	0	0	119	
(1)		5.05	8.72	4.13	.46	.92	.00	1.83	.92	2.75	7.80	14.68	2.75	.92	.46	1.83	1.38	.00	.00	54.59	
(2)		.25	.43	.20	.02	.04	.00	.09	.04	.13	.38	.72	.13	.04	.02	.09	.07	.00	.00	2.67	
8-12		6	2	0	0	0	0	0	0	0	1	15	8	2	2	3	2	0	0	41	
(1)		2.75	.92	.00	.00	.00	.00	.00	.00	.00	.46	6.88	3.67	.92	.92	1.38	.92	.00	.00	18.81	
(2)		.13	.04	.00	.00	.00	.00	.00	.00	.00	.02	.34	.18	.04	.04	.07	.04	.00	.00	.92	
13-18		0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.38	.00	.00	.00	.00	.00	.00	1.38	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00	.00	.07	
19-24		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	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24		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	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS		20	23	15	8	10	3	11	5	14	23	49	17	5	3	7	5	0	0	218	
(1)		9.17	10.55	6.88	3.67	4.59	1.38	5.05	2.29	6.42	10.55	22.48	7.80	2.29	1.38	3.21	2.29	.00	.00	100.00	
(2)		.45	.52	.34	.18	.22	.07	.25	.11	.31	.52	1.10	.38	.11	.07	.16	.11	.00	.00	4.89	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-69 SSES 33' (10m) 2001-2006 August JFD
(Page 4 of 8)

33.0 FT WIND DATA		SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL			
		CLASS FREQUENCY (PERCENT) = 27.25																			
		WIND DIRECTION FROM																			
SPEED MPH	STABILITY CLASS D	WIND DIRECTION FROM																TOTAL			
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL		
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		21	54	70	51	41	49	37	51	41	30	12	5	2	2	4	4	0	521		
(1)		1.73	4.44	5.76	4.19	3.37	4.03	3.04	4.19	3.37	2.47	.99	.41	.16	.16	.33	.00	42.85			
(2)		.47	1.21	1.57	1.14	.92	1.10	.83	1.14	.92	.67	.27	.11	.04	.04	.09	.00	11.68			
4-7		61	71	38	7	14	26	19	25	43	67	31	11	17	15	27	0	593			
(1)		5.02	5.84	3.13	.58	1.15	2.14	1.56	2.06	3.54	5.51	2.55	.90	1.40	1.23	2.22	.00	48.77			
(2)		1.37	1.59	.85	.16	.31	.58	.43	.56	.96	1.50	.69	.25	.38	.34	.61	.00	13.29			
8-12		22	10	0	0	1	3	0	0	3	2	7	4	1	8	14	0	102			
(1)		1.81	.82	.00	.00	.08	.25	.00	.00	.25	.16	.58	.33	.08	.66	1.15	.00	8.39			
(2)		.49	.22	.00	.00	.02	.07	.00	.00	.07	.04	.16	.09	.02	.18	.31	.00	2.29			
13-18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
ALL SPEEDS		104	135	108	58	66	70	68	62	97	110	178	50	20	25	45	0	1216			
(1)		8.55	11.10	8.88	4.77	5.43	5.76	5.59	5.10	7.98	9.05	14.64	4.11	1.64	2.06	3.70	.00	100.00			
(2)		2.33	3.03	2.42	1.30	1.48	1.57	1.52	1.39	2.17	2.47	3.99	1.12	.45	.56	1.01	.00	27.25			

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Table 2.7-69 SSES 33' (10m) 2001-2006 August JFD
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33.0 FT WIND DATA		SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 32.12																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS E	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		27	74	185	263	168	86	80	78	104	60	16	4	7	3	2	5	0	1162
(1)		1.88	5.16	12.91	18.35	11.72	6.00	5.58	5.44	7.26	4.19	1.12	.28	.49	.21	.14	.35	.00	81.09
(2)		.61	1.66	4.15	5.89	3.77	1.93	1.79	1.75	2.33	1.34	.36	.09	.16	.07	.04	.11	.00	26.04
4-7		33	47	19	3	2	2	8	9	18	52	40	6	0	6	2	11	0	258
(1)		2.30	3.28	1.33	.21	.14	.14	.56	.63	1.26	3.63	2.79	.42	.00	.42	.14	.77	.00	18.00
(2)		.74	1.05	.43	.07	.04	.04	.18	.20	.40	1.17	.90	.13	.00	.13	.04	.25	.00	5.78
8-12		2	2	0	0	0	0	1	2	5	0	1	0	0	0	0	0	0	13
(1)		.14	.14	.00	.00	.00	.00	.07	.14	.35	.00	.07	.00	.00	.00	.00	.00	.00	.91
(2)		.04	.04	.00	.00	.00	.00	.02	.04	.11	.00	.02	.00	.00	.00	.00	.00	.00	.29
13-18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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		62	123	204	266	170	88	89	89	127	112	57	10	7	9	4	16	0	1433
(1)		4.33	8.58	14.24	18.56	11.86	6.14	6.21	6.21	8.86	7.82	3.98	.70	.49	.63	.28	1.12	.00	100.00
(2)		1.39	2.76	4.57	5.96	3.81	1.97	1.99	1.99	2.85	2.51	1.28	.22	.16	.20	.09	.36	.00	32.12

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-69 SSES 33' (10m) 2001-2006 August JFD
(Page 6 of 8)

33.0 FT WIND DATA		SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		STABILITY CLASS F		WIND DIRECTION FROM										VRBL					
		CLASS FREQUENCY (PERCENT) = 15.37		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW			WSW	W	WNW	NW
SPEED MPH	CALM	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		3	14	87	347	113	31	28	10	20	7	6	1	0	0	0	1	0	668
	(1)	.44	2.04	12.68	50.58	16.47	4.52	4.08	1.46	2.92	1.02	.87	.15	.00	.00	.00	.15	.00	97.38
	(2)	.07	.31	1.95	7.78	2.53	.69	.63	.22	.45	.16	.13	.02	.00	.00	.00	.02	.00	14.97
4-7		0	8	3	5	0	0	0	0	0	1	1	0	0	0	0	0	0	18
	(1)	.00	1.17	.44	.73	.00	.00	.00	.00	.00	.15	.15	.00	.00	.00	.00	.00	.00	2.62
	(2)	.00	.18	.07	.11	.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00	.40
8-12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	22	90	352	113	31	28	10	20	8	7	1	0	0	0	1	0	686
	(1)	.44	3.21	13.12	51.31	16.47	4.52	4.08	1.46	2.92	1.17	1.02	.15	.00	.00	.00	.15	.00	100.00
	(2)	.07	.49	2.02	7.89	2.53	.69	.63	.22	.45	.18	.16	.02	.00	.00	.00	.02	.00	15.37

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-69 SSES 33' (10m) 2001-2006 August JFD
(Page 7 of 8)

33.0 FT WIND DATA	SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 5.36																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	3	25	172	26	7	1	0	2	1	0	0	0	0	0	0	0	237
(1)	.00	1.26	10.46	71.97	10.88	2.93	.42	.00	.84	.42	.00	.00	.00	.00	.00	.00	.00	99.16
(2)	.00	.07	.56	3.85	.58	.16	.02	.00	.04	.02	.00	.00	.00	.00	.00	.00	.00	5.31
4-7	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.84	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.84
(2)	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
8-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	25	174	26	7	1	0	2	1	0	0	0	0	0	0	0	239
(1)	.00	1.26	10.46	72.80	10.88	2.93	.42	.00	.84	.42	.00	.00	.00	.00	.00	.00	.00	100.00
(2)	.00	.07	.56	3.90	.58	.16	.02	.00	.04	.02	.00	.00	.00	.00	.00	.00	.00	5.36

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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Table 2.7-69 SSES 33' (10m) 2001-2006 August JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)														TOTAL			
		CLASS FREQUENCY (PERCENT) = 100.00																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	55	150	386	861	383	185	176	136	197	121	60	19	14	6	4	11	0	2764	0
(1)	1.23	3.36	8.65	19.30	8.58	4.15	3.94	3.05	4.42	2.71	1.34	.43	.31	.13	.09	.25	.00	61.95	.00
(2)	1.23	3.36	8.65	19.30	8.58	4.15	3.94	3.05	4.42	2.71	1.34	.43	.31	.13	.09	.25	.00	61.95	.00
4-7	121	178	99	30	23	32	41	50	90	200	295	56	17	33	26	49	0	1340	0
(1)	2.71	3.99	2.22	.67	.52	.72	.92	1.12	2.02	4.48	6.61	1.26	.38	.74	.58	1.10	.00	30.03	.00
(2)	2.71	3.99	2.22	.67	.52	.72	.92	1.12	2.02	4.48	6.61	1.26	.38	.74	.58	1.10	.00	30.03	.00
8-12	49	28	0	0	1	6	2	2	10	15	114	62	16	7	15	24	0	351	0
(1)	1.10	.63	.00	.00	.02	.13	.04	.04	.22	.34	2.55	1.39	.36	.16	.34	.54	.00	7.87	.00
(2)	1.10	.63	.00	.00	.02	.13	.04	.04	.22	.34	2.55	1.39	.36	.16	.34	.54	.00	7.87	.00
13-18	3	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	7	0
(1)	.07	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00	.16	.00
(2)	.07	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00	.16	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	228	357	485	891	407	223	219	188	297	336	469	140	47	46	45	84	0	4462	0
(1)	5.11	8.00	10.87	19.97	9.12	5.00	4.91	4.21	6.66	7.53	10.51	3.14	1.05	1.03	1.01	1.88	.00	100.00	.00
(2)	5.11	8.00	10.87	19.97	9.12	5.00	4.91	4.21	6.66	7.53	10.51	3.14	1.05	1.03	1.01	1.88	.00	100.00	.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-70 SSES 33' (10m) 2001-2006 September JFD
(Page 1 of 8)

33.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 7.01					
		STABILITY CLASS A													WIND DIRECTION FROM					TOTAL
		SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	
CALM	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	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
C-3	0	4	4	6	11	14	6	5	3	5	7	3	1	0	0	0	1	0	70	
(1)	.00	1.32	1.32	1.98	3.63	4.62	1.98	1.65	.99	1.65	2.31	.99	.33	.00	.00	.00	.33	.00	23.10	
(2)	.00	.09	.09	.14	.25	.32	.14	.12	.07	.12	.16	.07	.02	.00	.00	.00	.02	.00	1.62	
4-7	5	14	13	3	4	2	11	18	15	31	37	11	2	0	5	3	0	0	174	
(1)	1.65	4.62	4.29	.99	1.32	.66	3.63	5.94	4.95	10.23	12.21	3.63	.66	.00	1.65	.99	.00	.00	57.43	
(2)	.12	.32	.30	.07	.09	.05	.25	.42	.35	.72	.86	.25	.05	.00	.12	.07	.00	.00	4.03	
8-12	10	0	4	0	0	0	0	6	6	6	16	7	1	2	0	1	0	0	59	
(1)	3.30	.00	1.32	.00	.00	.00	.00	1.98	1.98	1.98	5.28	2.31	.33	.66	.00	.33	.00	.00	19.47	
(2)	.23	.00	.09	.00	.00	.00	.00	.14	.14	.14	.37	.16	.02	.05	.00	.02	.00	.00	1.37	
13-18	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	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
19-24	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	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24	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	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS	15	18	21	9	15	16	17	29	24	42	60	21	4	2	5	5	0	0	303	
(1)	4.95	5.94	6.93	2.97	4.95	5.28	5.61	9.57	7.92	13.86	19.80	6.93	1.32	.66	1.65	1.65	.00	.00	100.00	
(2)	.35	.42	.49	.21	.35	.37	.39	.67	.56	.97	1.39	.49	.09	.05	.12	.12	.00	.00	7.01	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
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Table 2.7-70 SSES 33' (10m) 2001-2006 September JFD
(Page 2 of 8)

33.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.73																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	0	4	5	5	4	2	1	4	5	7	0	0	0	0	0	0	0	38
(1)	.62	.00	2.48	3.11	3.11	2.48	1.24	.62	2.48	3.11	4.35	.00	.00	.00	.00	.00	.00	.00	23.60
(2)	.02	.00	.09	.12	.12	.09	.05	.02	.09	.12	.16	.00	.00	.00	.00	.00	.00	.00	.88
4-7	5	12	7	1	0	0	3	2	5	8	25	4	2	1	5	2	0	0	82
(1)	3.11	7.45	4.35	.62	.00	.00	1.86	1.24	3.11	4.97	15.53	2.48	1.24	.62	3.11	1.24	.00	.00	50.93
(2)	.12	.28	.16	.02	.00	.00	.07	.05	.12	.19	.58	.09	.05	.02	.12	.05	.00	.00	1.90
8-12	1	3	0	0	0	0	3	1	1	0	7	4	4	5	2	8	0	0	39
(1)	.62	1.86	.00	.00	.00	.00	1.86	.62	.62	.00	4.35	2.48	2.48	3.11	1.24	4.97	.00	.00	24.22
(2)	.02	.07	.00	.00	.00	.00	.07	.02	.02	.00	.16	.09	.09	.12	.05	.19	.00	.00	.90
13-18	0	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	.00	1.24	.00	.00	1.24
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.05
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	7	15	11	6	5	4	8	4	10	13	39	8	6	6	7	12	0	0	161
(1)	4.35	9.32	6.83	3.73	3.11	2.48	4.97	2.48	6.21	8.07	24.22	4.97	3.73	3.73	4.35	7.45	.00	.00	100.00
(2)	.16	.35	.25	.14	.12	.09	.19	.09	.23	.30	.90	.19	.14	.14	.16	.28	.00	.00	3.73

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-70 SSES 33' (10m) 2001-2006 September JFD
(Page 3 of 8)

33.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 5.09																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	4	7	5	4	4	4	3	4	5	1	3	1	0	1	0	0	48
(1)	.00	.45	1.82	3.18	2.27	1.82	1.82	1.82	1.36	1.82	2.27	.45	1.36	.45	.00	.45	.00	.00	21.82
(2)	.00	.02	.09	.16	.12	.09	.09	.09	.07	.09	.12	.02	.07	.02	.00	.02	.00	.00	1.11
4-7	5	21	9	2	3	3	3	5	10	8	32	9	4	7	2	4	0	0	124
(1)	2.27	9.55	4.09	.91	1.36	2.27	1.36	2.27	4.55	3.64	14.55	4.09	1.82	3.18	.91	1.82	.00	.00	56.36
(2)	.12	.49	.21	.05	.07	.12	.07	.12	.23	.19	.74	.21	.09	.16	.05	.09	.00	.00	2.87
8-12	13	9	0	0	0	2	2	0	0	1	2	7	1	1	4	5	0	0	46
(1)	5.91	4.09	.00	.00	.00	.91	.00	.00	.00	.45	.91	3.18	.45	.45	1.82	2.27	.00	.00	20.91
(2)	.30	.21	.00	.00	.00	.05	.00	.00	.00	.02	.05	.16	.02	.02	.09	.12	.00	.00	1.06
13-18	0	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	.00	.91	.00	.00	.91
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.05
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	18	31	13	9	6	8	9	9	13	13	39	17	8	9	6	12	0	0	220
(1)	8.18	14.09	5.91	4.09	2.73	3.64	4.09	4.09	5.91	5.91	17.73	7.73	3.64	4.09	2.73	5.45	.00	.00	100.00
(2)	.42	.72	.30	.21	.14	.19	.21	.21	.30	.30	.90	.39	.19	.21	.14	.28	.00	.00	5.09

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-70 SSES 33' (10m) 2001-2006 September JFD
(Page 4 of 8)

33.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 29.05																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	13	41	63	59	46	49	40	28	41	27	25	16	4	3	10	3	0	468	
(1)	1.04	3.27	5.02	4.70	3.67	3.90	3.19	2.23	3.27	2.15	1.99	1.27	.32	.24	.80	.24	.00	37.29	
(2)	.30	.95	1.46	1.37	1.06	1.13	.93	.65	.95	.63	.58	.37	.09	.07	.23	.07	.00	10.83	
4-7	58	115	40	22	9	28	34	28	56	59	74	29	16	11	20	36	0	635	
(1)	4.62	9.16	3.19	1.75	.72	2.23	2.71	2.23	4.46	4.70	5.90	2.31	1.27	.88	1.59	2.87	.00	50.60	
(2)	1.34	2.66	.93	.51	.21	.65	.79	.65	1.30	1.37	1.71	.67	.37	.25	.46	.83	.00	14.70	
8-12	14	13	1	4	0	1	2	2	7	5	28	18	7	5	17	13	0	137	
(1)	1.12	1.04	.08	.32	.00	.08	.16	.16	.56	.40	2.23	1.43	.56	.40	1.35	1.04	.00	10.92	
(2)	.32	.30	.02	.09	.00	.02	.05	.05	.16	.12	.65	.42	.16	.12	.39	.30	.00	3.17	
13-18	0	0	0	3	0	0	1	0	2	0	0	0	1	1	3	4	0	15	
(1)	.00	.00	.00	.24	.00	.00	.08	.00	.16	.00	.00	.00	.08	.08	.24	.32	.00	1.20	
(2)	.00	.00	.00	.07	.00	.00	.02	.00	.05	.00	.00	.00	.02	.02	.07	.09	.00	.35	
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	85	169	104	88	55	78	77	58	106	91	127	63	28	20	50	56	0	1255	
(1)	6.77	13.47	8.29	7.01	4.38	6.22	6.14	4.62	8.45	7.25	10.12	5.02	2.23	1.59	3.98	4.46	.00	100.00	
(2)	1.97	3.91	2.41	2.04	1.27	1.81	1.78	1.34	2.45	2.11	2.94	1.46	.65	.46	1.16	1.30	.00	29.05	

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-70 SSES 33' (10m) 2001-2006 September JFD
(Page 5 of 8)

33.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		CLASS FREQUENCY (PERCENT) = 31.48																
		WIND DIRECTION FROM																
STABILITY CLASS E		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	17	74	143	184	124	64	53	69	69	45	21	3	3	1	4	2	0	876
(1)	1.25	5.44	10.51	13.53	9.12	4.71	3.90	5.07	5.07	3.31	1.54	.22	.22	.07	.29	.15	.00	64.41
(2)	.39	1.71	3.31	4.26	2.87	1.48	1.23	1.60	1.60	1.04	.49	.07	.07	.02	.09	.05	.00	20.28
4-7	32	81	41	14	6	12	13	26	38	52	28	16	10	3	9	19	0	400
(1)	2.35	5.96	3.01	1.03	.44	.88	.96	1.91	2.79	3.82	2.06	1.18	.74	.22	.66	1.40	.00	29.41
(2)	.74	1.88	.95	.32	.14	.28	.30	.60	.88	1.20	.65	.37	.23	.07	.21	.44	.00	9.26
8-12	1	17	10	7	2	2	3	7	8	3	3	3	0	0	1	2	0	69
(1)	.07	1.25	.74	.51	.15	.15	.22	.51	.59	.22	.22	.22	.00	.00	.07	.15	.00	5.07
(2)	.02	.39	.23	.16	.05	.05	.07	.16	.19	.07	.07	.07	.00	.00	.02	.05	.00	1.60
13-18	0	3	0	3	0	2	5	0	0	0	1	0	0	0	0	0	0	14
(1)	.00	.22	.00	.22	.00	.15	.37	.00	.00	.00	.07	.00	.00	.00	.00	.00	.00	1.03
(2)	.00	.07	.00	.07	.00	.05	.12	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.32
19-24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07
(2)	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	50	176	194	208	132	80	74	102	115	100	53	22	13	4	14	23	0	1360
(1)	3.68	12.94	14.26	15.29	9.71	5.88	5.44	7.50	8.46	7.35	3.90	1.62	.96	.29	1.03	1.69	.00	100.00
(2)	1.16	4.07	4.49	4.81	3.06	1.85	1.71	2.36	2.66	2.31	1.23	.51	.30	.09	.32	.53	.00	31.48

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Table 2.7-70 SSES 33' (10m) 2001-2006 September JFD
(Page 6 of 8)

33.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS F		WIND DIRECTION FROM												CLASS FREQUENCY (PERCENT) = 16.25			
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	6	18	86	360	97	32	15	25	22	9	2	1	0	0	1	0	0	0	674
(1)	.85	2.56	12.25	51.28	13.82	4.56	2.14	3.56	3.13	1.28	.28	.14	.00	.00	.14	.00	.00	.00	96.01
(2)	.14	.42	1.99	8.33	2.25	.74	.35	.58	.51	.21	.05	.02	.00	.00	.02	.00	.00	.00	15.60
4-7	0	8	1	15	0	0	0	1	1	1	0	0	0	0	0	1	0	0	28
(1)	.00	1.14	.14	2.14	.00	.00	.00	.14	.14	.14	.00	.00	.00	.00	.00	.14	.00	.00	3.99
(2)	.00	.19	.02	.35	.00	.00	.00	.02	.02	.02	.00	.00	.00	.00	.00	.02	.00	.00	.65
8-12	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	6	26	87	375	97	32	15	26	23	10	2	1	0	0	1	1	0	0	702
(1)	.85	3.70	12.39	53.42	13.82	4.56	2.14	3.70	3.28	1.42	.28	.14	.00	.00	.14	.00	.00	.00	100.00
(2)	.14	.60	2.01	8.68	2.25	.74	.35	.60	.53	.23	.05	.02	.00	.00	.02	.02	.00	.00	16.25

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Table 2.7-70 SSES 33' (10m) 2001-2006 September JFD
(Page 7 of 8)

33.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 7.38																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		2	3	43	208	41	10	3	2	3	0	0	0	0	0	0	0	0	315
(1)		.63	.94	13.48	65.20	12.85	3.13	.94	.63	.94	.00	.00	.00	.00	.00	.00	.00	.00	98.75
(2)		.05	.07	1.00	4.81	.95	.23	.07	.05	.07	.00	.00	.00	.00	.00	.00	.00	.00	7.29
4-7		0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
(1)		.00	.00	.00	1.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.25
(2)		.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09
8-12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	43	212	41	10	3	2	3	0	0	0	0	0	0	0	0	319
(1)		.63	.94	13.48	66.46	12.85	3.13	.94	.63	.94	.00	.00	.00	.00	.00	.00	.00	.00	100.00
(2)		.05	.07	1.00	4.91	.95	.23	.07	.05	.07	.00	.00	.00	.00	.00	.00	.00	.00	7.38

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-70 SSES 33' (10m) 2001-2006 September JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL		
		STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00																		
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	WIND DIRECTION FROM								W	WNW	NW	NNW	VRBL
								S	SSW	SW	WSW	S	SSW	SW	WSW					
CALM	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	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
C-3	39	141	347	829	329	178	123	134	145	95	67	24	11	5	15	7	7	0	2489	
(1)	.90	3.26	8.03	19.19	7.62	4.12	2.85	3.10	3.36	2.20	1.55	.56	.25	.12	.35	.16	.16	.00	57.62	
(2)	.90	3.26	8.03	19.19	7.62	4.12	2.85	3.10	3.36	2.20	1.55	.56	.25	.12	.35	.16	.16	.00	57.62	
4-7	105	251	111	61	19	45	64	80	125	159	196	69	34	22	41	65	0	0	1447	
(1)	2.43	5.81	2.57	1.41	.44	1.04	1.48	1.85	2.89	3.68	4.54	1.60	.79	.51	.95	1.50	.00	.00	33.50	
(2)	2.43	5.81	2.57	1.41	.44	1.04	1.48	1.85	2.89	3.68	4.54	1.60	.79	.51	.95	1.50	.00	.00	33.50	
8-12	39	42	15	11	3	3	10	16	22	15	56	39	13	13	24	29	0	0	350	
(1)	.90	.97	.35	.25	.07	.07	.23	.37	.51	.35	1.30	.90	.30	.30	.56	.67	.00	.00	8.10	
(2)	.90	.97	.35	.25	.07	.07	.23	.37	.51	.35	1.30	.90	.30	.30	.56	.67	.00	.00	8.10	
13-18	0	3	0	6	0	2	6	0	2	0	1	0	1	1	3	8	0	0	33	
(1)	.00	.07	.00	.14	.00	.05	.14	.00	.05	.00	.02	.00	.02	.02	.07	.19	.00	.00	.76	
(2)	.00	.07	.00	.14	.00	.05	.14	.00	.05	.00	.02	.00	.02	.02	.07	.19	.00	.00	.76	
19-24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
(1)	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	
(2)	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	
GT 24	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	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS	183	438	473	907	351	228	203	230	294	269	320	132	59	41	83	109	0	0	4320	
(1)	4.24	10.14	10.95	21.00	8.13	5.28	4.70	5.32	6.81	6.23	7.41	3.06	1.37	.95	1.92	2.52	.00	.00	100.00	
(2)	4.24	10.14	10.95	21.00	8.13	5.28	4.70	5.32	6.81	6.23	7.41	3.06	1.37	.95	1.92	2.52	.00	.00	100.00	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-71 SSES 33' (10m) 2001-2006 October JFD

(Page 1 of 8)

33.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
STABILITY CLASS A		CLASS FREQUENCY (PERCENT) = 2.55													TOTAL				
		WIND DIRECTION FROM																	
SPEED MPH		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	1	0	1	3	4	2	3	3	1	1	5	0	0	1	1	0	24
(1)	.00	.89	.89	.00	.89	2.68	3.57	1.79	2.68	.89	.89	.89	4.46	.00	.00	.89	.89	.00	21.43
(2)	.00	.02	.02	.00	.02	.07	.09	.05	.07	.02	.02	.02	.11	.00	.00	.02	.02	.00	.55
4-7	0	2	6	1	0	0	2	7	9	9	9	25	5	0	0	0	0	0	66
(1)	.00	1.79	5.36	.89	.00	.00	1.79	6.25	8.04	8.04	8.04	22.32	4.46	.00	.00	.00	.00	.00	58.93
(2)	.00	.05	.14	.02	.00	.00	.05	.16	.21	.21	.21	.57	.11	.00	.00	.00	.00	.00	1.50
8-12	0	2	0	0	0	0	1	0	0	0	1	14	4	0	0	0	0	0	22
(1)	.00	1.79	.00	.00	.00	.00	.89	.00	.00	.00	.89	12.50	3.57	.00	.00	.00	.00	.00	19.64
(2)	.00	.05	.00	.00	.00	.00	.02	.00	.00	.00	.02	.32	.09	.00	.00	.00	.00	.00	.50
13-18	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	5	7	1	3	7	9	12	11	40	14	14	14	0	0	1	1	0	112
(1)	.00	4.46	6.25	.89	2.68	6.25	8.04	10.71	9.82	35.71	12.50	12.50	12.50	.00	.00	.89	.89	.00	100.00
(2)	.00	.11	.16	.02	.07	.16	.21	.27	.25	.91	.32	.32	.32	.00	.00	.02	.02	.00	2.55

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-71 SSES 33' (10m) 2001-2006 October JFD
(Page 2 of 8)

33.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
STABILITY CLASS B		CLASS FREQUENCY (PERCENT) = 2.39													TOTAL			
WIND DIRECTION FROM		WIND DIRECTION FROM													TOTAL			
SPEED MPH		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	2	0	2	2	3	0	2	0	1	2	0	0	0	1	0	0	0	15
(1)	1.90	.00	1.90	1.90	2.86	.00	1.90	.00	.95	1.90	.00	.00	.00	.95	.00	.00	.00	14.29
(2)	.05	.00	.05	.07	.00	.00	.05	.00	.02	.05	.00	.00	.00	.02	.00	.00	.00	.34
4-7	1	3	3	2	0	0	5	1	3	4	17	7	1	0	0	1	0	48
(1)	.95	2.86	2.86	1.90	.00	.00	4.76	.95	2.86	3.81	16.19	6.67	.95	.00	.00	.95	.00	45.71
(2)	.02	.07	.07	.05	.00	.00	.11	.02	.07	.09	.39	.16	.02	.00	.00	.02	.00	1.09
8-12	1	3	0	0	0	0	1	1	2	0	15	11	3	0	0	0	0	37
(1)	.95	2.86	.00	.00	.00	.00	.95	.95	1.90	.00	14.29	10.48	2.86	.00	.00	.00	.00	35.24
(2)	.02	.07	.00	.00	.00	.00	.02	.02	.05	.00	.34	.25	.07	.00	.00	.00	.00	.84
13-18	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.81	.95	.00	.00	.00	.00	.00	4.76
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.02	.00	.00	.00	.00	.00	.11
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	5	4	3	0	8	2	6	6	36	19	4	1	0	1	0	105
(1)	3.81	5.71	4.76	3.81	2.86	.00	7.62	1.90	5.71	5.71	34.29	18.10	3.81	.95	.00	.95	.00	100.00
(2)	.09	.14	.11	.09	.07	.00	.18	.05	.14	.14	.82	.43	.09	.02	.00	.02	.00	2.39

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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Table 2.7-71 SSES 33' (10m) 2001-2006 October JFD
(Page 3 of 8)

33.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 3.69																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS C	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		1	0	1	2	0	0	1	2	4	0	0	0	0	0	0	0	0	12
(1)		.62	.00	.62	1.23	.00	.00	.62	1.23	2.47	.00	.00	.00	.00	.00	.00	.00	.00	7.41
(2)		.02	.00	.02	.05	.00	.00	.02	.05	.09	.00	.00	.00	.00	.00	.00	.00	.00	.27
4-7		4	9	5	4	0	2	4	4	31	10	3	1	1	0	0	0	0	89
(1)		2.47	5.56	3.09	2.47	.00	1.23	2.47	2.47	19.14	6.17	1.85	.62	.62	.00	.00	.00	.00	54.94
(2)		.09	.21	.11	.09	.00	.05	.09	.09	.71	.23	.07	.02	.02	.00	.00	.00	.00	2.03
8-12		5	5	0	0	0	0	1	2	11	11	11	1	1	0	2	0	0	54
(1)		3.09	3.09	.00	.00	.00	.00	.62	2.47	6.79	6.79	6.79	.62	.62	.00	1.23	.00	.00	33.33
(2)		.11	.11	.00	.00	.00	.00	.02	.05	.25	.25	.25	.02	.02	.00	.05	.00	.00	1.23
13-18		0	0	0	0	0	0	0	0	2	5	0	0	0	0	0	0	0	7
(1)		.00	.00	.00	.00	.00	.00	.00	.00	1.23	3.09	.00	.00	.00	.00	.00	.00	.00	4.32
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.05	.11	.00	.00	.00	.00	.00	.00	.00	.16
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	14	6	5	0	4	5	5	12	8	48	26	14	2	1	2	0	162
(1)		6.17	8.64	3.70	3.09	.00	2.47	3.09	3.09	7.41	4.94	29.63	16.05	8.64	1.23	.62	1.23	.00	100.00
(2)		.23	.32	.14	.11	.00	.09	.11	.11	.27	.18	1.09	.59	.32	.05	.02	.05	.00	3.69

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-71 SSES 33' (10m) 2001-2006 October JFD
(Page 4 of 8)

33.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL
		CLASS FREQUENCY (PERCENT) = 37.57																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS D	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	
		CALM		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)		.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
C-3		14	54	43	40	43	33	41	26	34	27	13	1	3	3	4	0	
(1)		.85	3.27	2.61	2.43	3.15	2.00	2.49	1.58	2.06	1.64	.79	.06	.18	.18	.24	.00	
(2)		.32	1.23	.98	.91	1.18	.75	.93	.59	.77	.62	.30	.02	.07	.07	.09	.00	
4-7		71	109	69	18	12	46	28	34	49	90	51	37	31	28	36	0	
(1)		4.31	6.61	4.18	1.09	.73	2.79	1.70	2.06	2.97	5.46	3.09	2.24	1.88	1.70	2.18	.00	
(2)		1.62	2.48	1.57	.41	.27	.48	1.05	.77	1.12	2.05	1.16	.84	.71	.64	.82	.00	
8-12		38	17	0	1	0	8	1	9	7	43	44	50	46	81	40	0	
(1)		2.30	1.03	.00	.06	.00	.49	.06	.55	.42	2.61	2.67	3.03	2.79	4.91	2.43	.00	
(2)		.87	.39	.00	.02	.00	.18	.02	.21	.16	.98	1.00	1.14	1.05	1.85	.91	.00	
13-18		0	0	0	0	0	1	0	0	0	14	57	8	4	5	0	0	
(1)		.00	.00	.00	.00	.00	.06	.00	.00	.00	.85	3.46	.49	.24	.30	.00	.00	
(2)		.00	.00	.00	.00	.00	.02	.00	.00	.00	.32	1.30	.18	.09	.11	.00	.00	
19-24		0	0	0	0	0	0	0	0	0	0	8	4	0	0	0	0	
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.49	.24	.00	.00	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.09	.00	.00	.00	.00	
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS		123	180	112	60	64	65	88	70	90	174	173	100	84	117	80	0	
(1)		7.46	10.92	6.79	3.64	3.88	3.94	5.34	4.24	5.46	10.55	10.49	6.06	5.09	7.10	4.85	.00	
(2)		2.80	4.10	2.55	1.37	1.46	1.48	2.01	1.59	2.05	3.96	3.94	2.28	1.91	2.67	1.82	.00	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-71 SSES 33' (10m) 2001-2006 October JFD
(Page 5 of 8)

33.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
STABILITY CLASS E		CLASS FREQUENCY (PERCENT) = 32.38																TOTAL	
WIND DIRECTION FROM		WIND DIRECTION FROM																TOTAL	
SPEED MPH		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.14	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21
(2)	.00	.00	.00	.05	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07
C-3	28	85	124	144	89	70	71	62	82	64	27	12	12	6	4	3	6	0	877
(1)	1.97	5.98	8.73	10.13	6.26	4.93	5.00	4.36	5.77	4.50	1.90	.84	.84	.42	.28	.21	.42	.00	61.72
(2)	.64	1.94	2.83	3.28	2.03	1.59	1.62	1.41	1.87	1.46	.62	.27	.14	.14	.09	.07	.14	.00	19.98
4-7	26	103	52	10	4	4	11	16	41	70	59	29	29	15	10	14	14	0	478
(1)	1.83	7.25	3.66	.70	.28	.28	.77	1.13	2.89	4.93	4.15	2.04	2.04	1.06	.70	.99	.99	.00	33.64
(2)	.59	2.35	1.18	.23	.09	.09	.25	.36	.93	1.59	1.34	.66	.66	.34	.23	.32	.32	.00	10.89
8-12	1	4	1	0	0	5	7	5	3	6	16	7	7	0	0	1	4	0	60
(1)	.07	.28	.07	.00	.00	.35	.49	.35	.21	.42	1.13	.49	.49	.00	.00	.07	.28	.00	4.22
(2)	.02	.09	.02	.00	.00	.11	.16	.11	.07	.14	.36	.16	.16	.00	.00	.02	.09	.00	1.37
13-18	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.14	.14	.00	.00	.00	.00	.00	.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.05	.05	.00	.00	.00	.00	.00	.07
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	55	192	177	156	94	79	89	83	126	140	103	50	50	21	14	18	24	0	1421
(1)	3.87	13.51	12.46	10.98	6.62	5.56	6.26	5.84	8.87	9.85	7.25	3.52	3.52	1.48	.99	1.27	1.69	.00	100.00
(2)	1.25	4.37	4.03	3.55	2.14	1.80	2.03	1.89	2.87	3.19	2.35	1.14	1.14	.48	.32	.41	.55	.00	32.38

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-71 SSES 33' (10m) 2001-2006 October JFD
(Page 6 of 8)

33.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL					
		CLASS FREQUENCY (PERCENT) = 12.28																		
		WIND DIRECTION FROM																		
SPEED MPH	STABILITY CLASS F	WIND DIRECTION FROM													NNW	VRBL	TOTAL			
		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW				NW	NNW	
CALM		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)		.00	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.19
(2)		.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3		2	15	67	228	89	27	19	18	22	13	7	3	1	1	1	2	2	0	516
(1)		.37	2.78	12.43	42.30	16.51	5.01	3.53	3.34	4.08	2.41	1.30	.56	.19	.19	.19	.37	.37	.00	95.73
(2)		.05	.34	1.53	5.19	2.03	.62	.43	.41	.50	.30	.16	.07	.02	.02	.02	.05	.05	.00	11.76
4-7		0	3	5	8	0	0	0	2	0	3	1	0	0	0	0	0	0	0	22
(1)		.00	.56	.93	1.48	.00	.00	.00	.37	.00	.56	.19	.00	.00	.00	.00	.00	.00	.00	4.08
(2)		.00	.07	.11	.18	.00	.00	.00	.05	.00	.07	.02	.00	.00	.00	.00	.00	.00	.00	.50
8-12		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	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18		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	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24		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	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		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	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		2	19	72	236	89	27	19	20	22	16	8	3	1	1	1	2	2	0	539
(1)		.37	3.53	13.36	43.78	16.51	5.01	3.53	3.71	4.08	2.97	1.48	.56	.19	.19	.19	.37	.37	.00	100.00
(2)		.05	.43	1.64	5.38	2.03	.62	.43	.46	.50	.36	.18	.07	.02	.02	.02	.05	.05	.00	12.28

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-71 SSES 33' (10m) 2001-2006 October JFD
(Page 7 of 8)

33.0 FT WIND DATA	SPEED MPH	SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		CLASS FREQUENCY (PERCENT) = 9.14																	
		WIND DIRECTION FROM																	
STABILITY CLASS G	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3	2	6	49	248	55	13	9	4	3	2	0	0	0	0	0	0	0	0	392
(1)	.50	1.50	12.22	61.85	13.72	3.24	2.24	1.00	.75	.50	.00	.00	.00	.00	.25	.00	.00	.00	97.76
(2)	.05	.14	1.12	5.65	1.25	.30	.21	.09	.07	.05	.00	.00	.00	.00	.02	.00	.00	.00	8.93
4-7	0	0	1	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8
(1)	.00	.00	.25	1.50	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.00
(2)	.00	.00	.02	.14	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18
8-12	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	3	6	50	254	56	13	9	4	3	2	0	0	0	0	1	0	0	0	401
(1)	.75	1.50	12.47	63.34	13.97	3.24	2.24	1.00	.75	.50	.00	.00	.00	.00	.25	.00	.00	.00	100.00
(2)	.07	.14	1.14	5.79	1.28	.30	.21	.09	.07	.05	.00	.00	.00	.00	.02	.00	.00	.00	9.14

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-71 SSES 33' (10m) 2001-2006 October JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS ALL																	
		CLASS FREQUENCY (PERCENT) = 100.00																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	WIND DIRECTION FROM								NNW	VRBL	
									S	SSW	SW	WSW	W	WNW	NW	NNW			VRBL
CALM	1	1	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6
(1)	.02	.02	.00	.07	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14
(2)	.02	.02	.00	.07	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14
C-3	49	161	287	663	289	158	138	127	138	118	66	33	8	9	10	13	0	0	2267
(1)	1.12	3.67	6.54	15.11	6.58	3.60	3.14	2.89	3.14	2.69	1.50	.75	.18	.21	.23	.30	.00	.00	51.65
(2)	1.12	3.67	6.54	15.11	6.58	3.60	3.14	2.89	3.14	2.69	1.50	.75	.18	.21	.23	.30	.00	.00	51.65
4-7	102	229	141	49	17	27	68	58	94	139	223	102	56	42	43	51	0	0	1441
(1)	2.32	5.22	3.21	1.12	.39	.62	1.55	1.32	2.14	3.17	5.08	2.32	1.28	.96	.98	1.16	.00	.00	32.83
(2)	2.32	5.22	3.21	1.12	.39	.62	1.55	1.32	2.14	3.17	5.08	2.32	1.28	.96	.98	1.16	.00	.00	32.83
8-12	45	31	1	1	0	6	18	8	18	16	99	77	64	47	82	46	0	0	559
(1)	1.03	.71	.02	.02	.00	.14	.41	.18	.41	.36	2.26	1.75	1.46	1.07	1.87	1.05	.00	.00	12.74
(2)	1.03	.71	.02	.02	.00	.14	.41	.18	.41	.36	2.26	1.75	1.46	1.07	1.87	1.05	.00	.00	12.74
13-18	0	0	0	0	0	0	1	0	0	0	21	65	8	4	5	0	0	0	104
(1)	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.48	1.48	.18	.09	.11	.00	.00	.00	2.37
(2)	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.48	1.48	.18	.09	.11	.00	.00	.00	2.37
19-24	0	0	0	0	0	0	0	0	0	0	0	8	4	0	0	0	0	0	12
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.09	.00	.00	.00	.00	.00	.27
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.09	.00	.00	.00	.00	.00	.27
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	197	422	429	716	307	191	225	193	250	273	409	285	140	102	140	110	0	0	4389
(1)	4.49	9.61	9.77	16.31	6.99	4.35	5.13	4.40	5.70	6.22	9.32	6.49	3.19	2.32	3.19	2.51	.00	.00	100.00
(2)	4.49	9.61	9.77	16.31	6.99	4.35	5.13	4.40	5.70	6.22	9.32	6.49	3.19	2.32	3.19	2.51	.00	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-72 SSES 33' (10m) 2001-2006 November JFD
(Page 1 of 8)

33.0 FT WIND DATA		SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = .87									
STABILITY CLASS A		WIND DIRECTION FROM																						
SPEED MPH		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL					
CALM	0	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	.00	.00	.00			
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		
C-3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0		
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.78	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.78	.00	.00	2.78	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.02	
4-7	1	0	0	0	0	0	0	0	0	8	5	8	0	0	0	0	0	0	0	8	22	22	22	
(1)	2.78	.00	.00	.00	.00	.00	.00	.00	.00	22.22	13.89	22.22	.00	.00	.00	.00	.00	.00	.00	22.22	61.11	61.11	61.11	
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.19	.12	.19	.00	.00	.00	.00	.00	.00	.00	.19	.53	.53	.53	
8-12	0	0	0	0	0	0	0	0	0	3	1	7	0	0	0	0	0	0	0	3	13	13	13	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.33	2.78	19.44	.00	.00	.00	.00	.00	.00	.00	8.33	36.11	36.11	36.11	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.02	.17	.00	.00	.00	.00	.00	.00	.00	.07	.31	.31	.31	
13-18	0	0	0	0	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	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1	0	0	0	0	0	0	0	0	12	6	15	0	0	0	0	0	0	0	12	36	36	36	
(1)	2.78	.00	.00	.00	.00	.00	.00	.00	.00	33.33	16.67	41.67	.00	.00	.00	.00	.00	.00	.00	33.33	100.00	100.00	100.00	
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.29	.14	.36	.00	.00	.00	.00	.00	.00	.00	.29	.87	.87	.87	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-72 SSES 33' (10m) 2001-2006 November JFD
(Page 2 of 8)

33.0 FT WIND DATA		SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 1.37																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	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	.00	1.75	.00	.00	.00	.00	.00	.00	.00	.00	1.75
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.02
4-7	0	0	1	0	0	0	0	2	3	6	11	3	0	0	0	0	0	0	26
(1)	.00	.00	1.75	.00	.00	.00	.00	3.51	5.26	10.53	19.30	5.26	.00	.00	.00	.00	.00	.00	45.61
(2)	.00	.00	.02	.00	.00	.00	.00	.05	.07	.14	.26	.07	.00	.00	.00	.00	.00	.00	.63
8-12	0	0	0	0	0	0	0	1	3	2	14	5	2	0	0	0	0	0	27
(1)	.00	.00	.00	.00	.00	.00	.00	1.75	5.26	3.51	24.56	8.77	3.51	.00	.00	.00	.00	.00	47.37
(2)	.00	.00	.00	.00	.00	.00	.00	.02	.07	.05	.34	.12	.05	.00	.00	.00	.00	.00	.65
13-18	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.26	.00	.00	.00	.00	.00	.00	.00	5.26
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00	.00	.00	.07
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	1	0	0	0	0	3	6	9	28	8	2	0	0	0	0	0	57
(1)	.00	.00	1.75	.00	.00	.00	.00	5.26	10.53	15.79	49.12	14.04	3.51	.00	.00	.00	.00	.00	100.00
(2)	.00	.00	.02	.00	.00	.00	.00	.07	.14	.22	.67	.19	.05	.00	.00	.00	.00	.00	1.37

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-72 SSES 33' (10m) 2001-2006 November JFD
(Page 3 of 8)

33.0 FT WIND DATA		SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		CLASS FREQUENCY (PERCENT) = 2.70																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS C	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		0	0	0	1	0	1	3	1	1	0	0	0	0	0	0	0	7
(1)		.00	.00	.00	.89	.00	.89	2.68	.89	.89	.00	.00	.00	.00	.00	.00	.00	6.25
(2)		.00	.00	.00	.02	.00	.02	.07	.02	.02	.00	.00	.00	.00	.00	.00	.00	.17
4-7		0	2	3	0	0	2	2	5	8	17	3	0	1	0	0	0	43
(1)		.00	1.79	2.68	.00	.00	1.79	1.79	4.46	7.14	15.18	2.68	.00	.89	.00	.00	.00	38.39
(2)		.00	.05	.07	.00	.00	.05	.05	.12	.19	.41	.07	.00	.02	.00	.00	.00	1.04
8-12		7	0	0	0	0	1	4	3	2	18	13	0	0	1	4	0	53
(1)		6.25	.00	.00	.00	.00	.89	3.57	2.68	1.79	16.07	11.61	.00	.00	.89	3.57	.00	47.32
(2)		.17	.00	.00	.00	.00	.02	.10	.07	.05	.43	.31	.00	.00	.02	.10	.00	1.28
13-18		0	0	0	0	0	0	0	0	0	5	3	0	0	1	0	0	9
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	4.46	2.68	.00	.00	.89	.00	.00	8.04
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.07	.00	.00	.02	.00	.00	.22
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		7	2	3	0	1	4	9	9	11	40	19	0	1	2	4	0	112
(1)		6.25	1.79	2.68	.00	.89	3.57	8.04	8.04	9.82	35.71	16.96	.00	.89	1.79	3.57	.00	100.00
(2)		.17	.05	.07	.00	.02	.10	.22	.22	.26	.96	.46	.00	.02	.05	.10	.00	2.70

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-72 SSES 33' (10m) 2001-2006 November JFD
(Page 4 of 8)

33.0 FT WIND DATA		SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		CLASS FREQUENCY (PERCENT) = 40.50																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS D	WIND DIRECTION FROM																TOTAL	
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		5	23	31	14	23	40	29	34	32	10	10	2	7	2	2	2	0	291
(1)		.30	1.37	1.84	.83	1.37	2.38	1.72	2.02	1.90	.59	.59	.12	.42	.12	.12	.12	.00	17.30
(2)		.12	.55	.75	.34	.55	.96	.70	.82	.77	.24	.24	.05	.17	.05	.05	.05	.00	7.01
4-7		64	82	75	8	8	11	23	43	41	50	70	38	35	34	44	0	693	
(1)		3.80	4.88	4.46	.48	.48	3.09	2.56	2.44	2.97	4.16	2.26	2.26	2.08	2.02	2.62	.00	41.20	
(2)		1.54	1.97	1.81	.19	.19	1.25	1.04	.99	1.20	1.69	.92	.92	.84	.82	1.06	.00	16.69	
8-12		49	7	1	0	1	2	36	23	12	16	84	73	36	87	86	0	547	
(1)		2.91	.42	.06	.00	.06	.12	2.14	1.37	.71	.95	4.99	4.34	2.14	5.17	5.11	.00	32.52	
(2)		1.18	.17	.02	.00	.02	.05	.87	.55	.29	.39	2.02	1.76	.87	2.09	2.07	.00	13.17	
13-18		4	0	0	0	0	3	12	12	6	0	11	26	11	25	15	0	135	
(1)		.24	.00	.00	.00	.00	.18	.71	.36	.36	.00	.65	1.55	.65	1.49	.89	.00	8.03	
(2)		.10	.00	.00	.00	.00	.07	.29	.14	.14	.00	.26	.63	.26	.60	.36	.00	3.25	
19-24		0	0	0	0	0	0	0	0	0	0	1	9	3	1	2	0	16	
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.54	.18	.06	.12	.00	.95	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.22	.07	.02	.05	.00	.39	
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS		122	112	107	22	32	40	131	107	93	98	176	156	88	104	147	147	0	1682
(1)		7.25	6.66	6.36	1.31	1.90	2.38	7.79	6.36	5.53	5.83	10.46	9.27	5.23	6.18	8.74	8.74	.00	100.00
(2)		2.94	2.70	2.58	.53	.77	.96	3.15	2.58	2.24	2.36	4.24	3.76	2.12	2.50	3.54	3.54	.00	40.50

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Table 2.7-72 SSES 33' (10m) 2001-2006 November JFD
(Page 5 of 8)

33.0 FT WIND DATA		SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 31.09																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS E	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		22	72	102	107	97	62	75	63	79	56	35	6	6	0	2	4	0	788
(1)		1.70	5.58	7.90	8.29	7.51	4.80	5.81	4.88	6.12	4.34	2.71	.46	.46	.00	.15	.31	.00	61.04
(2)		.53	1.73	2.46	2.58	2.34	1.49	1.81	1.52	1.90	1.35	.84	.14	.14	.00	.05	.10	.00	18.97
4-7		29	50	24	5	3	4	8	18	45	75	48	23	9	6	9	18	0	374
(1)		2.25	3.87	1.86	.39	.23	.31	.62	1.39	3.49	5.81	3.72	1.78	.70	.46	.70	1.39	.00	28.97
(2)		.70	1.20	.58	.12	.07	.10	.19	.43	1.08	1.81	1.16	.55	.22	.14	.22	.43	.00	9.01
8-12		4	1	2	1	0	1	3	17	25	18	15	12	1	1	3	6	0	110
(1)		.31	.08	.15	.08	.00	.08	.23	1.32	1.94	1.39	1.16	.93	.08	.08	.23	.46	.00	8.52
(2)		.10	.02	.05	.02	.00	.02	.07	.41	.60	.43	.36	.29	.02	.02	.07	.14	.00	2.65
13-18		0	0	0	0	0	5	2	6	3	0	1	2	0	0	0	0	0	19
(1)		.00	.00	.00	.00	.00	.39	.15	.46	.23	.00	.08	.15	.00	.00	.00	.00	.00	1.47
(2)		.00	.00	.00	.00	.00	.12	.05	.14	.07	.00	.02	.05	.00	.00	.00	.00	.00	.46
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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		55	123	128	113	100	72	88	104	152	149	99	43	16	7	14	28	0	1291
(1)		4.26	9.53	9.91	8.75	7.75	5.58	6.82	8.06	11.77	11.54	7.67	3.33	1.24	.54	1.08	2.17	.00	100.00
(2)		1.32	2.96	3.08	2.72	2.41	1.73	2.12	2.50	3.66	3.59	2.38	1.04	.39	.17	.34	.67	.00	31.09

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Table 2.7-72 SSES 33' (10m) 2001-2006 November JFD
(Page 6 of 8)

33.0 FT WIND DATA		SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL					
		CLASS FREQUENCY (PERCENT) = 11.27																					
SPEED MPH	STABILITY CLASS F	WIND DIRECTION FROM																VRBL	TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW						
CALM		0	0	0	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	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		3	22	73	175	69	23	23	12	24	12	3	0	0	0	0	0	0	0	0	2	0	441
(1)		.64	4.70	15.60	37.39	14.74	4.91	4.91	2.56	5.13	2.56	.64	.00	.00	.00	.00	.00	.00	.00	.00	.43	.00	94.23
(2)		.07	.53	1.76	4.21	1.66	.55	.55	.29	.58	.29	.07	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	10.62
4-7		0	3	7	2	0	0	0	0	1	5	5	3	0	0	0	0	0	0	0	1	0	27
(1)		.00	.64	1.50	.43	.00	.00	.00	.00	.21	1.07	1.07	.64	.00	.00	.00	.00	.00	.00	.00	.21	.00	5.77
(2)		.00	.07	.17	.05	.00	.00	.00	.00	.02	.12	.12	.07	.00	.00	.00	.00	.00	.00	.00	.02	.00	.65
8-12		0	0	0	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	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18		0	0	0	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	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24		0	0	0	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	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	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	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		3	25	80	177	69	23	23	12	25	17	8	3	0	0	0	0	0	0	0	3	0	468
(1)		.64	5.34	17.09	37.82	14.74	4.91	4.91	2.56	5.34	3.63	1.71	.64	.00	.00	.00	.00	.00	.00	.00	.64	.00	100.00
(2)		.07	.60	1.93	4.26	1.66	.55	.55	.29	.60	.41	.19	.07	.00	.00	.00	.00	.00	.00	.00	.07	.00	11.27

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-72 SSES 33' (10m) 2001-2006 November JFD
(Page 7 of 8)

33.0 FT WIND DATA		SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 12.21																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		2	4	80	307	52	20	11	3	5	2	4	0	0	0	0	2	0	492
(1)		.39	.79	15.78	60.55	10.26	3.94	2.17	.59	.99	.39	.79	.00	.00	.00	.00	.39	.00	97.04
(2)		.05	.10	1.93	7.39	1.25	.48	.26	.07	.12	.05	.10	.00	.00	.00	.00	.05	.00	11.85
4-7		1	0	5	9	0	0	0	0	0	0	0	0	0	0	0	0	0	15
(1)		.20	.00	.99	1.78	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.96
(2)		.02	.00	.12	.22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.36
8-12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	4	85	316	52	20	11	3	5	2	4	0	0	0	0	2	0	507
(1)		.59	.79	16.77	62.33	10.26	3.94	2.17	.59	.99	.39	.79	.00	.00	.00	.00	.39	.00	100.00
(2)		.07	.10	2.05	7.61	1.25	.48	.26	.07	.12	.05	.10	.00	.00	.00	.00	.05	.00	12.21

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Table 2.7-72 SSES 33' (10m) 2001-2006 November JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL								
		STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00																					
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	WIND DIRECTION FROM				S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
									S	SSW	SW	WSW											
CALM	0	0	0	0	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	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	32	121	286	603	242	132	150	110	144	104	52	16	8	7	4	10	10	4	10	10	0	2021	0
(1)	.77	2.91	6.89	14.52	5.83	3.18	3.61	2.65	3.47	2.50	1.25	.39	.19	.17	.10	.24	.24	.10	.24	.24	.00	48.66	.00
(2)	.77	2.91	6.89	14.52	5.83	3.18	3.61	2.65	3.47	2.50	1.25	.39	.19	.17	.10	.24	.24	.10	.24	.24	.00	48.66	.00
4-7	95	137	115	24	11	15	62	65	103	149	159	70	47	42	43	63	63	43	63	63	0	1200	0
(1)	2.29	3.30	2.77	.58	.26	.36	1.49	1.57	2.48	3.59	3.83	1.69	1.13	1.01	1.04	1.52	1.52	1.04	1.52	1.52	.00	28.89	.00
(2)	2.29	3.30	2.77	.58	.26	.36	1.49	1.57	2.48	3.59	3.83	1.69	1.13	1.01	1.04	1.52	1.52	1.04	1.52	1.52	.00	28.89	.00
8-12	60	8	3	1	1	3	40	45	46	39	138	103	37	37	91	98	98	91	98	98	0	750	0
(1)	1.44	.19	.07	.02	.02	.07	.96	1.08	1.11	.94	3.32	2.48	.89	.89	2.19	2.36	2.36	2.19	2.36	2.36	.00	18.06	.00
(2)	1.44	.19	.07	.02	.02	.07	.96	1.08	1.11	.94	3.32	2.48	.89	.89	2.19	2.36	2.36	2.19	2.36	2.36	.00	18.06	.00
13-18	4	0	0	0	0	5	5	18	9	0	20	31	11	25	23	15	15	23	15	15	0	166	0
(1)	.10	.00	.00	.00	.00	.12	.12	.43	.22	.00	.48	.75	.26	.60	.55	.36	.36	.55	.36	.36	.00	4.00	.00
(2)	.10	.00	.00	.00	.00	.12	.12	.43	.22	.00	.48	.75	.26	.60	.55	.36	.36	.55	.36	.36	.00	4.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	1	9	3	1	2	0	0	2	0	0	0	16	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.22	.07	.02	.05	.00	.00	.05	.00	.00	.00	.39	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.22	.07	.02	.05	.00	.00	.05	.00	.00	.00	.39	.00
GT 24	0	0	0	0	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	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	191	266	404	628	254	155	257	238	302	292	370	229	106	112	163	186	186	163	186	186	0	4153	0
(1)	4.60	6.41	9.73	15.12	6.12	3.73	6.19	5.73	7.27	7.03	8.91	5.51	2.55	2.70	3.92	4.48	4.48	3.92	4.48	4.48	.00	100.00	.00
(2)	4.60	6.41	9.73	15.12	6.12	3.73	6.19	5.73	7.27	7.03	8.91	5.51	2.55	2.70	3.92	4.48	4.48	3.92	4.48	4.48	.00	100.00	.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-73 SSES 33' (10m) 2001-2006 December JFD

(Page 1 of 8)

SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

CLASS FREQUENCY (PERCENT) = .78

33.0 FT WIND DATA	WIND DIRECTION FROM													TOTAL						
	STABILITY CLASS A	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW		W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	1	1	0	0	1	3	0	0	1	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	2.86	2.86	.00	.00	2.86	8.57	.00	.00	2.86	.00	.00	.00	.00	20.00
(2)	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.02	.07	.00	.00	.02	.00	.00	.00	.00	.16
4-7	0	0	0	0	0	1	1	1	3	5	9	0	0	1	0	0	0	0	0	21
(1)	.00	.00	.00	.00	.00	2.86	2.86	2.86	8.57	14.29	25.71	.00	.00	2.86	.00	.00	.00	.00	.00	60.00
(2)	.00	.00	.00	.00	.00	.02	.02	.02	.07	.11	.20	.00	.00	.02	.00	.00	.00	.00	.00	.47
8-12	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	17.14	.00	.00	.00	.00	.00	.00	.00	.00	17.14
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13	.00	.00	.00	.00	.00	.00	.00	.00	.13
13-18	0	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	.00	.00	2.86	.00	.00	.00	.00	.00	.00	.00	.00	2.86
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.02
19-24	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	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	.00	.00
(2)	.00	.00	.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	2	2	3	6	19	0	0	1	1	0	0	0	0	35
(1)	.00	.00	.00	.00	.00	2.86	5.71	5.71	8.57	17.14	54.29	.00	.00	2.86	2.86	.00	.00	.00	.00	100.00
(2)	.00	.00	.00	.00	.00	.02	.04	.04	.07	.13	.43	.00	.00	.02	.02	.00	.00	.00	.00	.78

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Table 2.7-73 SSES 33' (10m) 2001-2006 December JFD
(Page 2 of 8)

33.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		STABILITY CLASS B															NNW	VRBL
		CLASS FREQUENCY (PERCENT) = .76																
SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								NNW	VRBL	TOTAL	
							SE	SSE	S	SSW	SW	WSW	W	WNW				NW
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	5.88	5.88	2.94	.00	.00	.00	.00	.00	.00	.00	.00	14.71
(2)	.00	.00	.00	.00	.00	.00	.04	.04	.02	.00	.00	.00	.00	.00	.00	.00	.00	.11
4-7	0	0	1	0	0	0	0	8	5	3	0	0	0	0	0	0	0	17
(1)	.00	.00	2.94	.00	.00	.00	.00	23.53	14.71	8.82	.00	.00	.00	.00	.00	.00	.00	50.00
(2)	.00	.00	.02	.00	.00	.00	.00	.18	.11	.07	.00	.00	.00	.00	.00	.00	.00	.38
8-12	0	0	0	0	0	0	0	2	8	0	0	0	0	0	0	0	0	11
(1)	.00	.00	.00	.00	.00	.00	.00	.00	5.88	23.53	.00	.00	.00	.00	.00	.00	.00	32.35
(2)	.00	.00	.00	.00	.00	.00	.00	.04	.18	.00	.00	.00	.00	.00	.00	.00	.00	.25
13-18	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	2.94	.00	.00	.00	.00	.00	.00	.00	2.94
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	0	0	2	12	14	4	0	0	0	0	0	0	1	34
(1)	.00	.00	2.94	.00	.00	.00	5.88	35.29	41.18	11.76	.00	.00	.00	.00	.00	.00	2.94	100.00
(2)	.00	.00	.02	.00	.00	.00	.04	.27	.31	.09	.00	.00	.00	.00	.00	.00	.02	.76

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Table 2.7-73 SSES 33' (10m) 2001-2006 December JFD
(Page 3 of 8)

33.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		CLASS FREQUENCY (PERCENT) = 2.04																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS C	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		0	0	0	1	2	0	2	2	1	1	1	0	0	0	0	0	10
(1)		.00	.00	.00	1.10	2.20	.00	2.20	2.20	1.10	1.10	1.10	.00	.00	.00	.00	.00	10.99
(2)		.00	.00	.00	.02	.04	.00	.04	.04	.02	.02	.02	.00	.00	.00	.00	.00	.22
4-7		1	2	5	0	0	0	2	4	7	10	3	0	1	0	0	0	35
(1)		1.10	2.20	5.49	.00	.00	.00	2.20	4.40	7.69	10.99	3.30	.00	1.10	.00	.00	.00	38.46
(2)		.02	.04	.11	.00	.00	.00	.04	.09	.16	.22	.07	.00	.02	.00	.00	.00	.78
8-12		3	0	1	0	0	1	0	2	2	17	7	0	0	0	5	0	38
(1)		3.30	.00	1.10	.00	.00	1.10	.00	2.20	2.20	18.68	7.69	.00	.00	.00	5.49	.00	41.76
(2)		.07	.00	.02	.00	.00	.02	.00	.04	.04	.38	.16	.00	.00	.00	.11	.00	.85
13-18		0	0	0	0	0	0	0	0	0	3	5	0	0	0	0	0	8
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	3.30	5.49	.00	.00	.00	.00	.00	8.79
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.11	.00	.00	.00	.00	.00	.18
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		4	2	6	1	2	1	4	8	10	31	16	0	1	0	5	0	91
(1)		4.40	2.20	6.59	.00	1.10	2.20	4.40	8.79	10.99	34.07	17.58	.00	1.10	.00	5.49	.00	100.00
(2)		.09	.04	.13	.00	.04	.02	.09	.18	.22	.69	.36	.00	.02	.00	.11	.00	2.04

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-73 SSES 33' (10m) 2001-2006 December JFD
(Page 4 of 8)

33.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 45.99																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS D	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		10	24	20	30	39	42	42	42	32	34	29	14	12	10	4	6	5	0
(1)		.49	1.17	.97	1.46	1.90	2.05	2.05	2.05	1.56	1.66	1.41	.68	.58	.49	.19	.29	.24	.00
(2)		.22	.54	.45	.67	.87	.94	.94	.94	.72	.76	.65	.31	.27	.22	.09	.13	.11	.00
4-7		63	53	49	21	11	13	37	27	27	56	99	115	49	48	20	33	49	0
(1)		3.07	2.58	2.39	1.02	.54	.63	1.80	1.32	1.32	2.73	4.82	5.60	2.39	2.34	.97	1.61	2.39	.00
(2)		1.41	1.19	1.10	.47	.25	.29	.83	.60	.60	1.25	2.22	2.58	1.10	1.08	.45	.74	1.10	.00
8-12		36	12	5	4	1	1	3	0	0	7	17	187	129	72	60	123	135	0
(1)		1.75	.58	.24	.19	.05	.05	.15	.00	.00	.34	.83	9.11	6.28	3.51	2.92	5.99	6.58	.00
(2)		.81	.27	.11	.09	.02	.02	.07	.00	.00	.16	.38	4.19	2.89	1.61	1.34	2.76	3.02	.00
13-18		1	0	0	0	0	0	0	0	0	2	0	21	57	19	9	26	21	0
(1)		.05	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	1.02	2.78	.93	.44	1.27	1.02	.00
(2)		.02	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.47	1.28	.43	.20	.58	.47	.00
19-24		0	0	0	0	0	0	0	0	0	2	0	0	7	0	0	0	0	9
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.34	.00	.00	.00	.00	.44
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.16	.00	.00	.00	.00	.20
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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		110	89	74	55	51	56	82	59	59	101	145	337	254	149	93	188	210	0
(1)		5.36	4.34	3.60	2.68	2.48	2.73	3.99	2.87	2.87	4.92	7.06	16.42	12.37	7.26	4.53	9.16	10.23	.00
(2)		2.46	1.99	1.66	1.23	1.14	1.25	1.84	1.32	1.32	2.26	3.25	7.55	5.69	3.34	2.08	4.21	4.70	.00

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-73 SSES 33' (10m) 2001-2006 December JFD
(Page 5 of 8)

33.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 30.58							
		STABILITY CLASS E													WIND DIRECTION FROM				TOTAL			
		SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL		
CALM	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	.00			
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
C-3	17	46	86	104	82	68	88	73	77	55	38	9	8	4	1	4	4	0	760			
(1)	1.25	3.37	6.30	7.62	6.01	4.98	6.45	5.35	5.64	4.03	2.78	.66	.59	.29	.07	.29	.07	.00	55.68			
(2)	.38	1.03	1.93	2.33	1.84	1.52	1.97	1.64	1.72	1.23	.85	.20	.18	.09	.02	.09	.02	.00	17.03			
4-7	32	56	26	8	8	3	10	27	47	109	80	28	11	9	13	17	17	0	477			
(1)	2.34	4.10	1.90	.59	.07	.22	.73	1.98	3.44	7.99	5.86	2.05	.81	.66	.95	1.25	.95	.00	34.95			
(2)	.72	1.25	.58	.18	.02	.07	.22	.60	1.05	2.44	1.79	.63	.25	.20	.29	.38	.29	.00	10.69			
8-12	6	12	3	0	5	6	4	5	3	3	27	10	3	3	10	10	10	0	110			
(1)	.44	.88	.22	.00	.37	.44	.29	.37	.22	.22	1.98	.73	.22	.22	.73	.73	.73	.00	8.06			
(2)	.13	.27	.07	.00	.11	.13	.09	.11	.07	.07	.60	.22	.07	.07	.22	.22	.22	.00	2.46			
13-18	0	0	0	0	2	1	2	3	2	1	1	3	0	0	0	0	1	0	16			
(1)	.00	.00	.00	.00	.15	.07	.15	.22	.15	.07	.07	.22	.00	.00	.00	.00	.07	.00	1.17			
(2)	.00	.00	.00	.00	.04	.02	.04	.07	.04	.02	.02	.07	.00	.00	.00	.00	.02	.00	.36			
19-24	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	.00	.07	.00	.00	.00	.00	.00	.00	.07			
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.02			
GT 24	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	.00	.07	.00	.00	.00	.00	.00	.00	.07			
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.02			
ALL SPEEDS	55	114	115	112	90	78	104	108	129	168	146	52	22	16	24	32	32	0	1365			
(1)	4.03	8.35	8.42	8.21	6.59	5.71	7.62	7.91	9.45	12.31	10.70	3.81	1.61	1.17	1.76	2.34	2.34	.00	100.00			
(2)	1.23	2.55	2.58	2.51	2.02	1.75	2.33	2.42	2.89	3.76	3.27	1.16	.49	.36	.54	.72	.72	.00	30.58			

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Table 2.7-73 SSES 33' (10m) 2001-2006 December JFD
(Page 6 of 8)

33.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL										
		CLASS FREQUENCY (PERCENT) = 11.67																							
		WIND DIRECTION FROM																							
SPEED MPH	STABILITY CLASS F	WIND DIRECTION FROM													TOTAL										
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL						
CALM		0	0	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	.00	.00	.00	.00		
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		
C-3		6	19	69	158	80	41	22	34	42	14	2	1	1	1	1	1	1	1	1	1	1	1	493	
(1)		1.15	3.65	13.24	30.33	15.36	7.87	4.22	6.53	8.06	2.69	.38	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	94.63	
(2)		.13	.43	1.55	3.54	1.79	.92	.49	.76	.94	.31	.04	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	11.04	
4-7		1	1	3	1	0	0	0	2	1	10	7	0	0	0	0	0	0	0	0	0	0	0	28	
(1)		.19	.19	.58	.19	.00	.00	.00	.38	.19	1.92	1.34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.37	
(2)		.02	.02	.07	.02	.00	.00	.00	.04	.02	.22	.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.63	
8-12		0	0	0	0	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	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18		0	0	0	0	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	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24		0	0	0	0	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	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	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	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		7	20	72	159	80	41	22	36	43	24	9	1	1	1	1	1	1	1	1	1	1	1	1	521
(1)		1.34	3.84	13.82	30.52	15.36	7.87	4.22	6.91	8.25	4.61	1.73	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	100.00
(2)		.16	.45	1.61	3.56	1.79	.92	.49	.81	.96	.54	.20	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	11.67

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Table 2.7-73 SSES 33' (10m) 2001-2006 December JFD
(Page 7 of 8)

33.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL									
		CLASS FREQUENCY (PERCENT) = 8.18																						
		WIND DIRECTION FROM																						
SPEED MPH	STABILITY CLASS G	WIND DIRECTION FROM													VRBL	TOTAL								
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W			WNW	NW	NNW					
CALM		0	0	0	0	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	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		1	7	64	182	51	18	10	15	8	2	2	0	0	0	0	0	0	0	0	0	0	0	360
(1)		.27	1.92	17.53	49.86	13.97	4.93	2.74	4.11	2.19	.55	.55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	98.63
(2)		.02	.16	1.43	4.08	1.14	.40	.22	.34	.18	.04	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.06
4-7		0	0	1	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
(1)		.00	.00	.27	.55	.00	.27	.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.37
(2)		.00	.00	.02	.04	.00	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
8-12		0	0	0	0	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	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18		0	0	0	0	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	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24		0	0	0	0	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	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	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	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		1	7	65	184	51	19	11	15	8	2	2	0	0	0	0	0	0	0	0	0	0	0	365
(1)		.27	1.92	17.81	50.41	13.97	5.21	3.01	4.11	2.19	.55	.55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	100.00
(2)		.02	.16	1.46	4.12	1.14	.43	.25	.34	.18	.04	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.18

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Table 2.7-73 SSES 33' (10m) 2001-2006 December JFD
(Page 8 of 8)

33.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 100.00																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS ALL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		34	96	239	474	253	171	163	157	165	104	61	23	19	10	7	12	0	1988
(1)		.76	2.15	5.35	10.62	5.67	3.83	3.65	3.52	3.70	2.33	1.37	.52	.43	.22	.16	.27	.00	44.53
(2)		.76	2.15	5.35	10.62	5.67	3.83	3.65	3.52	3.70	2.33	1.37	.52	.43	.22	.16	.27	.00	44.53
4-7		97	112	85	32	13	17	49	59	111	238	226	83	60	30	47	67	0	1326
(1)		2.17	2.51	1.90	.72	.29	.38	1.10	1.32	2.49	5.33	5.06	1.86	1.34	.67	1.05	1.50	.00	29.70
(2)		2.17	2.51	1.90	.72	.29	.38	1.10	1.32	2.49	5.33	5.06	1.86	1.34	.67	1.05	1.50	.00	29.70
8-12		45	24	9	4	6	7	8	5	12	24	245	146	75	63	133	151	0	957
(1)		1.01	.54	.20	.09	.13	.16	.18	.11	.27	.54	5.49	3.27	1.68	1.41	2.98	3.38	.00	21.44
(2)		1.01	.54	.20	.09	.13	.16	.18	.11	.27	.54	5.49	3.27	1.68	1.41	2.98	3.38	.00	21.44
13-18		1	0	0	0	2	1	2	3	4	1	26	66	19	9	26	22	0	182
(1)		.02	.00	.00	.00	.04	.02	.04	.07	.09	.02	.58	1.48	.43	.20	.58	.49	.00	4.08
(2)		.02	.00	.00	.00	.04	.02	.04	.07	.09	.02	.58	1.48	.43	.20	.58	.49	.00	4.08
19-24		0	0	0	0	0	0	0	0	2	0	0	8	0	0	0	0	0	10
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.18	.00	.00	.00	.00	.00	.22
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.18	.00	.00	.00	.00	.00	.22
GT 24		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	.02	.00	.00	.00	.00	.00	.02
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.02
ALL SPEEDS		177	232	333	510	274	196	222	224	294	367	558	327	173	112	213	252	0	4464
(1)		3.97	5.20	7.46	11.42	6.14	4.39	4.97	5.02	6.59	8.22	12.50	7.33	3.88	2.51	4.77	5.65	.00	100.00
(2)		3.97	5.20	7.46	11.42	6.14	4.39	4.97	5.02	6.59	8.22	12.50	7.33	3.88	2.51	4.77	5.65	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-74 SSES 197' (60m) 2001-2006 Annual JFD

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SSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 5.24

197.0 FT WIND DATA

SPEED MPH	WIND DIRECTION FROM																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	7	30	34	22	23	17	6	26	29	23	5	1	1	2	0	0	227
(1)	.04	.26	1.13	1.28	.83	.87	.64	.23	.98	1.09	.87	.19	.04	.04	.08	.00	.00	8.56
(2)	.00	.01	.06	.07	.04	.05	.03	.01	.05	.06	.05	.01	.00	.00	.00	.00	.00	.45
4-7	19	54	89	38	22	26	41	41	53	136	194	52	5	2	8	6	0	786
(1)	.72	2.04	3.36	1.43	.83	.98	1.55	1.55	2.00	5.13	7.32	1.96	.19	.08	.30	.23	.00	29.64
(2)	.04	.11	.18	.08	.04	.05	.08	.08	.10	.27	.38	.10	.01	.00	.02	.01	.00	1.55
8-12	64	89	39	15	2	3	41	37	54	119	382	163	34	19	11	17	0	1089
(1)	2.41	3.36	1.47	.57	.08	.11	1.55	1.40	2.04	4.49	14.40	6.15	1.28	.72	.41	.64	.00	41.06
(2)	.13	.18	.08	.03	.00	.01	.08	.07	.11	.24	.75	.32	.07	.04	.02	.03	.00	2.15
13-18	17	33	7	2	0	5	10	9	38	56	160	151	17	2	6	7	0	520
(1)	.64	1.24	.26	.08	.00	.19	.38	.34	1.43	2.11	6.03	5.69	.64	.08	.23	.26	.00	19.61
(2)	.03	.07	.01	.00	.00	.01	.02	.02	.08	.11	.32	.30	.03	.00	.01	.01	.00	1.03
19-24	2	0	0	0	0	0	1	1	2	8	5	9	0	0	0	0	0	28
(1)	.08	.00	.00	.00	.00	.00	.04	.04	.08	.30	.19	.34	.00	.00	.00	.00	.00	1.06
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.02	.00	.00	.00	.00	.00	.06
GT 24	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.04	.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
ALL SPEEDS	103	183	165	89	46	57	110	94	173	348	765	381	57	24	27	30	0	2652
(1)	3.88	6.90	6.22	3.36	1.73	2.15	4.15	3.54	6.52	13.12	28.85	14.37	2.15	.90	1.02	1.13	.00	100.00
(2)	.20	.36	.33	.18	.09	.11	.22	.19	.34	.69	1.51	.75	.11	.05	.05	.06	.00	5.24

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-74 SSES 197' (60m) 2001-2006 Annual JFD
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197.0 FT WIND DATA	SSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)														TOTAL		
	STABILITY CLASS B																
	CLASS FREQUENCY (PERCENT) = 3.06																
SPEED MPH	WIND DIRECTION FROM														VRBL	TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW			NW
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	3	8	16	16	13	14	8	5	10	16	4	2	0	0	1	1	0
(1)	.19	.52	1.03	1.03	.84	.90	.52	.32	.65	1.03	.26	.13	.00	.00	.06	.06	.00
(2)	.01	.02	.03	.03	.03	.03	.02	.01	.02	.03	.01	.00	.00	.00	.00	.00	.00
4-7	17	42	52	20	6	13	12	14	12	50	91	17	6	4	8	7	0
(1)	1.10	2.71	3.36	1.29	.39	.84	.78	.90	.78	3.23	5.88	1.10	.39	.26	.52	.45	.00
(2)	.03	.08	.10	.04	.01	.03	.02	.03	.02	.10	.18	.03	.01	.01	.02	.01	.00
8-12	43	70	34	5	10	3	20	14	23	38	203	98	39	26	20	31	0
(1)	2.78	4.52	2.20	.32	.65	.19	1.29	.90	1.49	2.45	13.11	6.33	2.52	1.68	1.29	2.00	.00
(2)	.08	.14	.07	.01	.02	.01	.04	.03	.05	.08	.40	.19	.08	.05	.04	.06	.00
13-18	21	21	4	1	3	2	5	6	10	21	85	122	19	2	9	15	0
(1)	1.36	1.36	.26	.06	.19	.13	.32	.39	.65	1.36	5.49	7.88	1.23	.13	.58	.97	.00
(2)	.04	.04	.01	.00	.01	.00	.01	.01	.02	.04	.17	.24	.04	.00	.02	.03	.00
19-24	1	0	0	0	0	0	0	0	1	6	4	15	1	0	3	1	0
(1)	.06	.00	.00	.00	.00	.00	.00	.00	.06	.39	.26	.97	.06	.00	.19	.06	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.03	.00	.00	.01	.00	.00
GT 24	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	.32	.00	.00	.00	.00	.00	.32
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01
ALL SPEEDS	85	141	106	42	32	32	45	39	56	131	392	254	65	32	41	55	0
(1)	5.49	9.11	6.85	2.71	2.07	2.07	2.91	2.52	3.62	8.46	25.32	16.41	4.20	2.07	2.65	3.55	.00
(2)	.17	.28	.21	.08	.06	.06	.09	.08	.11	.26	.77	.50	.13	.06	.08	.11	.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-74 SSES 197' (60m) 2001-2006 Annual JFD
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197.0 FT WIND DATA		SSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 4.26																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS C	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		6	15	17	27	26	10	9	11	23	26	11	1	3	2	0	2	0	189
(1)		.28	.70	.79	1.25	1.21	.46	.42	.51	1.07	1.21	.51	.05	.14	.09	.00	.09	.00	8.77
(2)		.01	.03	.03	.05	.05	.02	.02	.02	.05	.05	.02	.00	.01	.00	.00	.00	.00	.37
4-7		29	68	62	33	13	12	18	13	30	73	122	42	7	7	7	11	0	547
(1)		1.35	3.15	2.88	1.53	.60	.56	.83	.60	1.39	3.39	5.66	1.95	.32	.32	.32	.51	.00	25.37
(2)		.06	.13	.12	.07	.03	.02	.04	.03	.06	.14	.24	.08	.01	.01	.01	.02	.00	1.08
8-12		84	86	22	8	6	9	24	15	33	50	210	154	49	31	39	54	0	874
(1)		3.90	3.99	1.02	.37	.28	.42	1.11	.70	1.53	2.32	9.74	7.14	2.27	1.44	1.81	2.50	.00	40.54
(2)		.17	.17	.04	.02	.01	.02	.05	.03	.07	.10	.41	.30	.10	.06	.08	.11	.00	1.73
13-18		28	23	4	1	0	3	4	7	22	33	75	173	42	13	25	26	0	479
(1)		1.30	1.07	.19	.05	.00	.14	.19	.32	1.02	1.53	3.48	8.02	1.95	.60	1.16	1.21	.00	22.22
(2)		.06	.05	.01	.00	.00	.01	.01	.01	.04	.07	.15	.34	.08	.03	.05	.05	.00	.95
19-24		0	1	0	0	0	0	2	0	0	4	5	40	6	0	0	3	0	61
(1)		.00	.05	.00	.00	.00	.00	.09	.00	.00	.19	.23	1.86	.28	.00	.00	.14	.00	2.83
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.08	.01	.00	.00	.01	.00	.12
GT 24		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	.28	.00	.00	.00	.00	.00	.28
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01
ALL SPEEDS		147	193	105	69	45	34	57	46	108	186	423	416	107	53	71	96	0	2156
(1)		6.82	8.95	4.87	3.20	2.09	1.58	2.64	2.13	5.01	8.63	19.62	19.29	4.96	2.46	3.29	4.45	.00	100.00
(2)		.29	.38	.21	.14	.09	.07	.11	.09	.21	.37	.84	.82	.21	.10	.14	.19	.00	4.26

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-74 SSES 197' (60m) 2001-2006 Annual JFD
(Page 5 of 8)

197.0 FT WIND DATA		SSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		STABILITY CLASS E		CLASS FREQUENCY (PERCENT) = 28.82														
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	WIND DIRECTION FROM								NNW	VRBL
									S	SSW	SW	WSW	W	WNW	NW	NNW		
CALM	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.01	.01	.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
C-3	179	524	716	360	311	261	303	319	321	289	234	95	49	16	22	60	0	4059
(1)	1.23	3.59	4.91	2.47	2.13	1.79	2.08	2.19	2.20	1.98	1.60	.65	.34	.11	.15	.41	.00	27.81
(2)	.35	1.03	1.41	.71	.61	.52	.60	.63	.63	.57	.46	.19	.10	.03	.04	.12	.00	8.02
4-7	502	1188	605	261	187	147	185	258	326	457	653	337	153	109	89	99	0	5556
(1)	3.44	8.14	4.15	1.79	1.28	1.01	1.27	1.77	2.23	3.13	4.47	2.31	1.05	.75	.61	.68	.00	38.07
(2)	.99	2.35	1.19	.52	.37	.29	.37	.51	.64	.90	1.29	.67	.30	.22	.18	.20	.00	10.97
8-12	188	410	324	70	56	65	96	152	233	518	586	608	101	58	175	146	0	3786
(1)	1.29	2.81	2.22	.48	.38	.45	.66	1.04	1.60	3.55	4.02	4.17	.69	.40	1.20	1.00	.00	25.94
(2)	.37	.81	.64	.14	.11	.13	.19	.30	.46	1.02	1.16	1.20	.20	.11	.35	.29	.00	7.48
13-18	14	100	53	6	15	22	26	37	87	156	104	321	27	7	27	14	0	1016
(1)	.10	.69	.36	.04	.10	.15	.18	.25	.60	1.07	.71	2.20	.19	.05	.19	.10	.00	6.96
(2)	.03	.20	.10	.01	.03	.04	.05	.07	.17	.31	.21	.63	.05	.01	.05	.03	.00	2.01
19-24	0	2	11	3	1	8	11	16	32	27	9	18	3	0	0	0	0	141
(1)	.00	.01	.08	.02	.01	.05	.08	.11	.22	.19	.06	.12	.02	.00	.00	.00	.00	.97
(2)	.00	.00	.02	.01	.00	.02	.02	.03	.06	.05	.02	.04	.01	.00	.00	.00	.00	.28
GT 24	0	4	0	2	1	2	4	4	8	5	1	2	1	0	0	0	0	34
(1)	.00	.03	.00	.01	.01	.01	.03	.03	.05	.03	.01	.01	.01	.00	.00	.00	.00	.23
(2)	.00	.01	.00	.00	.00	.00	.01	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.07
ALL SPEEDS	883	2228	1710	703	571	505	625	786	1007	1452	1587	1381	334	190	313	319	0	14594
(1)	6.05	15.27	11.72	4.82	3.91	3.46	4.28	5.39	6.90	9.95	10.87	9.46	2.29	1.30	2.14	2.19	.00	100.00
(2)	1.74	4.40	3.38	1.39	1.13	1.00	1.23	1.55	1.99	2.87	3.13	2.73	.66	.38	.62	.63	.00	28.82

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-74 SSES 197' (60m) 2001-2006 Annual JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													VRBL		TOTAL		
		CLASS FREQUENCY (PERCENT) = 11.74																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.02	.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	.00	.00
C-3	110	515	582	271	219	180	179	125	145	82	49	19	16	9	13	16	0	0	2530
(1)	1.85	8.67	9.79	4.56	3.69	3.03	3.01	2.10	2.44	1.38	.82	.32	.27	.15	.22	.27	.00	.00	42.58
(2)	.22	1.02	1.15	.54	.43	.36	.35	.25	.29	.16	.10	.04	.03	.02	.03	.03	.00	.00	5.00
4-7	374	1314	307	46	48	27	28	43	113	205	226	48	20	19	28	21	0	0	2867
(1)	6.29	22.11	5.17	.77	.81	.45	.47	.72	1.90	3.45	3.80	.81	.34	.32	.47	.35	.00	.00	48.25
(2)	.74	2.60	.61	.09	.09	.05	.06	.08	.22	.40	.45	.09	.04	.04	.06	.04	.00	.00	5.66
8-12	28	40	19	0	1	2	4	7	26	61	111	191	2	1	8	6	0	0	507
(1)	.47	.67	.32	.00	.02	.03	.07	.12	.44	1.03	1.87	3.21	.03	.02	.13	.10	.00	.00	8.53
(2)	.06	.08	.04	.00	.00	.00	.01	.01	.05	.12	.22	.38	.00	.00	.02	.01	.00	.00	1.00
13-18	1	0	0	0	1	0	0	1	1	1	5	25	0	0	1	0	0	0	36
(1)	.02	.00	.00	.00	.02	.00	.00	.02	.02	.02	.08	.42	.00	.00	.02	.00	.00	.00	.61
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.05	.00	.00	.00	.00	.00	.00	.07
19-24	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	.00	.02	.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	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	513	1869	909	317	269	209	211	176	285	350	391	283	38	29	50	43	0	0	5942
(1)	8.63	31.45	15.30	5.33	4.53	3.52	3.55	2.96	4.80	5.89	6.58	4.76	.64	.49	.84	.72	.00	.00	100.00
(2)	1.01	3.69	1.80	.63	.53	.41	.42	.35	.56	.69	.77	.56	.08	.06	.10	.08	.00	.00	11.74

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-74 SSES 197' (60m) 2001-2006 Annual JFD
(Page 7 of 8)

197.0 FT WIND DATA	SSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 7.44																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G													TOTAL				
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	63	304	407	216	152	127	99	87	81	47	21	6	4	6	4	7	0	1631
(1)	1.67	8.07	10.80	5.73	4.03	3.37	2.63	2.31	2.15	1.25	.56	.16	.11	.16	.11	.19	.00	43.29
(2)	.12	.60	.80	.43	.30	.25	.20	.17	.16	.09	.04	.01	.01	.01	.01	.01	.00	3.22
4-7	328	825	281	53	18	19	23	28	92	126	116	25	4	3	18	12	0	1971
(1)	8.70	21.89	7.46	1.41	.48	.50	.61	.74	2.44	3.34	3.08	.66	.11	.08	.48	.32	.00	52.31
(2)	.65	1.63	.55	.10	.04	.04	.05	.06	.18	.25	.23	.05	.01	.01	.04	.02	.00	3.89
8-12	10	13	4	0	1	2	1	2	7	37	32	41	0	1	5	0	0	156
(1)	.27	.35	.11	.00	.03	.05	.03	.05	.19	.98	.85	1.09	.00	.03	.13	.00	.00	4.14
(2)	.02	.03	.01	.00	.00	.00	.00	.00	.01	.07	.06	.08	.00	.00	.01	.00	.00	.31
13-18	0	0	0	0	0	0	0	0	0	2	1	7	0	0	0	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.03	.19	.00	.00	.00	.00	.00	.27
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.02
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	401	1142	692	269	171	148	123	117	180	212	170	79	8	10	27	19	0	3768
(1)	10.64	30.31	18.37	7.14	4.54	3.93	3.26	3.11	4.78	5.63	4.51	2.10	.21	.27	.72	.50	.00	100.00
(2)	.79	2.26	1.37	.53	.34	.29	.24	.23	.36	.42	.34	.16	.02	.02	.05	.04	.00	7.44

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Table 2.7-74 SSES 197' (60m) 2001-2006 Annual JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES JAN01-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		CLASS FREQUENCY (PERCENT) = 100.00																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS ALL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.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	.01
C-3	441	1623	2116	1171	915	770	786	734	824	824	707	543	195	97	52	61	125	0	11160
(1)	.87	3.21	4.18	2.31	1.81	1.52	1.55	1.45	1.63	1.40	1.40	1.07	.39	.19	.10	.12	.25	.00	22.04
(2)	.87	3.21	4.18	2.31	1.81	1.52	1.55	1.45	1.63	1.40	1.40	1.07	.39	.19	.10	.12	.25	.00	22.04
4-7	1611	4066	1871	696	513	430	578	628	840	840	1487	2191	913	377	309	318	331	0	17159
(1)	3.18	8.03	3.70	1.37	1.01	.85	1.14	1.24	1.66	1.66	2.94	4.33	1.80	.74	.61	.63	.65	.00	33.89
(2)	3.18	8.03	3.70	1.37	1.01	.85	1.14	1.24	1.66	1.66	2.94	4.33	1.80	.74	.61	.63	.65	.00	33.89
8-12	1113	1474	906	211	183	258	439	499	658	658	1149	2275	2102	774	613	1039	1038	0	14731
(1)	2.20	2.91	1.79	.42	.36	.51	.87	.99	1.30	1.30	2.27	4.49	4.15	1.53	1.21	2.05	2.05	.00	29.09
(2)	2.20	2.91	1.79	.42	.36	.51	.87	.99	1.30	1.30	2.27	4.49	4.15	1.53	1.21	2.05	2.05	.00	29.09
13-18	228	377	142	26	42	78	113	134	264	264	444	754	1919	597	374	543	444	0	6479
(1)	.45	.74	.28	.05	.08	.15	.22	.26	.52	.52	.88	1.49	3.79	1.18	.74	1.07	.88	.00	12.80
(2)	.45	.74	.28	.05	.08	.15	.22	.26	.52	.52	.88	1.49	3.79	1.18	.74	1.07	.88	.00	12.80
19-24	7	12	15	5	5	15	25	32	55	55	79	53	392	142	51	26	26	0	940
(1)	.01	.02	.03	.01	.01	.03	.05	.06	.11	.11	.16	.10	.77	.28	.10	.05	.05	.00	1.86
(2)	.01	.02	.03	.01	.01	.03	.05	.06	.11	.11	.16	.10	.77	.28	.10	.05	.05	.00	1.86
GT 24	0	4	0	4	1	4	6	8	13	13	9	9	70	29	0	1	0	0	158
(1)	.00	.01	.00	.01	.00	.01	.01	.02	.03	.03	.02	.02	.14	.06	.00	.00	.00	.00	.31
(2)	.00	.01	.00	.01	.00	.01	.01	.02	.03	.03	.02	.02	.14	.06	.00	.00	.00	.00	.31
ALL SPEEDS	3400	7556	5052	2114	1660	1555	1947	2035	2654	2654	3875	5825	5591	2016	1399	1988	1964	0	50631
(1)	6.72	14.92	9.98	4.18	3.28	3.07	3.85	4.02	5.24	5.24	7.65	11.50	11.04	3.98	2.76	3.93	3.88	.00	100.00
(2)	6.72	14.92	9.98	4.18	3.28	3.07	3.85	4.02	5.24	5.24	7.65	11.50	11.04	3.98	2.76	3.93	3.88	.00	100.00

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-75 SSES 197' (60m) 2001-2006 Winter JFD

(Page 1 of 8)

197.0 FT WIND DATA		SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
STABILITY CLASS A		CLASS FREQUENCY (PERCENT) = 2.08													VRBL			
		WIND DIRECTION FROM																
SPEED MPH		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	2	1	1	1	1	2	1	1	2	0	0	0	0	0	13
(1)	.00	.37	.74	.74	.37	.37	.37	.74	.74	.37	.37	.74	.00	.00	.00	.00	.00	4.81
(2)	.00	.01	.02	.01	.01	.01	.01	.02	.02	.01	.01	.02	.00	.00	.00	.00	.00	.10
4-7	0	1	7	1	2	2	2	6	6	34	28	2	2	0	0	0	0	88
(1)	.00	.37	2.59	.37	.74	.74	.74	2.22	2.22	12.59	10.37	.74	.74	.00	.00	.00	.00	32.59
(2)	.00	.01	.05	.01	.02	.02	.02	.05	.05	.26	.22	.02	.02	.00	.00	.00	.00	.68
8-12	0	1	3	0	0	0	3	4	1	9	50	13	2	0	0	0	0	86
(1)	.00	.37	1.11	.00	.00	.00	1.11	1.48	.37	3.33	18.52	4.81	.74	.00	.00	.00	.00	31.85
(2)	.00	.01	.02	.00	.00	.00	.02	.03	.01	.07	.39	.10	.02	.00	.00	.00	.00	.66
13-18	0	2	0	0	0	0	0	0	3	4	30	31	5	1	0	0	0	76
(1)	.00	.74	.00	.00	.00	.00	.00	.00	1.11	1.48	11.11	11.48	1.85	.37	.00	.00	.00	28.15
(2)	.00	.02	.00	.00	.00	.00	.00	.00	.02	.03	.23	.24	.04	.01	.00	.00	.00	.59
19-24	0	0	0	0	0	0	0	0	0	1	0	6	0	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.37	.00	2.22	.00	.00	.00	.00	.00	2.59
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.05	.00	.00	.00	.00	.00	.05
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	4	11	3	2	3	6	7	12	49	109	54	9	1	0	0	0	270
(1)	.00	1.48	4.07	1.11	.74	1.11	2.22	2.59	4.44	18.15	40.37	20.00	3.33	.37	.00	.00	.00	100.00
(2)	.00	.03	.08	.02	.02	.02	.05	.05	.09	.38	.84	.42	.07	.01	.00	.00	.00	2.08

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Table 2.7-75 SSES 197' (60m) 2001-2006 Winter JFD
(Page 2 of 8)

197.0 FT WIND DATA	SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL				
	STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 1.82																				
	WIND DIRECTION FROM																				
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL			
CALM	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	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	1	1	2	1	1	1	2	2	1	0	0	0	0	1	1	0	13	0	
(1)	.00	.00	.42	.42	.85	.42	.42	.42	.85	.85	.42	.00	.00	.00	.00	.42	.42	.00	5.51	0	
(2)	.00	.00	.01	.01	.02	.01	.01	.01	.02	.02	.01	.00	.00	.00	.00	.01	.01	.00	.10	0	
4-7	0	2	7	0	1	1	2	2	1	9	20	4	0	1	1	1	0	52	0		
(1)	.00	.85	2.97	.00	.42	.42	.85	.85	.42	3.81	8.47	1.69	.00	.42	.42	.42	.00	22.03	0		
(2)	.00	.02	.05	.00	.01	.01	.02	.02	.01	.07	.15	.03	.00	.01	.01	.01	.00	.40	0		
8-12	7	9	9	0	1	0	0	0	1	1	32	15	7	0	3	0	0	85	0		
(1)	2.97	3.81	3.81	.00	.42	.00	.00	.00	.42	.42	13.56	6.36	2.97	.00	1.27	.00	.00	36.02	0		
(2)	.05	.07	.07	.00	.01	.00	.00	.00	.01	.01	.25	.12	.05	.00	.02	.00	.00	.65	0		
13-18	0	6	3	0	0	0	0	0	1	6	23	38	3	1	0	0	0	81	0		
(1)	.00	2.54	1.27	.00	.00	.00	.00	.00	.42	2.54	9.75	16.10	1.27	.42	.00	.00	.00	34.32	0		
(2)	.00	.05	.02	.00	.00	.00	.00	.00	.01	.05	.18	.29	.02	.01	.00	.00	.00	.62	0		
19-24	0	0	0	0	0	0	0	0	0	2	0	2	1	0	0	0	0	5	0		
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.85	.00	.85	.42	.00	.00	.00	.00	2.12	0		
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.02	.01	.00	.00	.00	.00	.04	0		
GT 24	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	.00	0	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0	
ALL SPEEDS	7	17	20	1	4	2	3	3	5	20	76	59	11	2	4	2	0	236	0		
(1)	2.97	7.20	8.47	.42	1.69	.85	1.27	1.27	2.12	8.47	32.20	25.00	4.66	.85	1.69	.85	.00	100.00	0		
(2)	.05	.13	.15	.01	.03	.02	.02	.02	.04	.15	.59	.45	.08	.02	.03	.02	.00	1.82	0		

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-75 SSES 197' (60m) 2001-2006 Winter JFD
(Page 3 of 8)

197.0 FT WIND DATA	SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL					
	STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 2.85																		
	WIND DIRECTION FROM																		
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	2	6	1	6	4	3	2	4	6	3	0	1	0	0	0	0	0	38
(1)	.00	.54	1.62	.27	1.62	1.08	.81	.54	1.08	1.62	.81	.00	.27	.00	.00	.00	.00	.00	10.27
(2)	.00	.02	.05	.01	.05	.03	.02	.02	.03	.05	.02	.00	.01	.00	.00	.00	.00	.00	.29
4-7	1	8	8	7	3	0	3	0	7	11	25	8	1	2	0	2	0	0	86
(1)	.27	2.16	2.16	1.89	.81	.00	.81	.00	1.89	2.97	6.76	2.16	.27	.54	.00	.54	.00	.00	23.24
(2)	.01	.06	.06	.05	.02	.00	.02	.00	.05	.08	.19	.06	.01	.02	.00	.02	.00	.00	.66
8-12	9	18	1	1	0	0	2	0	4	6	28	23	6	3	3	11	0	0	115
(1)	2.43	4.86	.27	.27	.00	.00	.54	.00	1.08	1.62	7.57	6.22	1.62	.81	.81	2.97	.00	.00	31.08
(2)	.07	.14	.01	.01	.00	.00	.02	.00	.03	.05	.22	.18	.05	.02	.02	.08	.00	.00	.89
13-18	3	0	4	0	0	0	0	0	1	4	27	54	14	2	3	5	0	0	117
(1)	.81	.00	1.08	.00	.00	.00	.00	.00	.27	1.08	7.30	14.59	3.78	.54	.81	1.35	.00	.00	31.62
(2)	.02	.00	.03	.00	.00	.00	.00	.00	.01	.03	.21	.42	.11	.02	.02	.04	.00	.00	.90
19-24	0	0	0	0	0	0	0	0	0	2	0	8	3	0	0	0	0	0	13
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.54	.00	2.16	.81	.00	.00	.00	.00	.00	3.51
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.06	.02	.00	.00	.00	.00	.00	.10
GT 24	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	.00	.27	.00	.00	.00	.00	.00	.00	.27
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01
ALL SPEEDS	13	28	19	9	9	4	8	2	16	29	83	94	25	7	6	18	0	0	370
(1)	3.51	7.57	5.14	2.43	2.43	1.08	2.16	.54	4.32	7.84	22.43	25.41	6.76	1.89	1.62	4.86	.00	.00	100.00
(2)	.10	.22	.15	.07	.07	.03	.06	.02	.12	.22	.64	.72	.19	.05	.05	.14	.00	.00	2.85

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-75 SSES 197' (60m) 2001-2006 Winter JFD
(Page 4 of 8)

197.0 FT WIND DATA		SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 47.66																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	17	46	57	54	29	30	48	53	53	62	56	11	9	4	4	8	0	541	0
(1)	.27	.74	.92	.87	.47	.48	.78	.86	.86	1.00	.90	.18	.15	.06	.06	.13	.00	8.74	.00
(2)	.13	.35	.44	.42	.22	.23	.37	.41	.41	.48	.43	.08	.07	.03	.03	.06	.00	4.17	.00
4-7	93	114	107	64	44	36	66	49	47	102	202	101	57	50	46	42	0	1220	0
(1)	1.50	1.84	1.73	1.03	.71	.58	1.07	.79	.76	1.65	3.26	1.63	.92	.81	.74	.68	.00	19.72	.00
(2)	.72	.88	.82	.49	.34	.28	.51	.38	.36	.79	1.56	.78	.44	.39	.35	.32	.00	9.40	.00
8-12	198	158	120	24	19	21	41	55	46	85	192	283	231	161	320	314	0	2268	0
(1)	3.20	2.55	1.94	.39	.31	.34	.66	.89	.74	1.37	3.10	4.57	3.73	2.60	5.17	5.07	.00	36.65	.00
(2)	1.52	1.22	.92	.18	.15	.16	.32	.42	.35	.65	1.48	2.18	1.78	1.24	2.46	2.42	.00	17.47	.00
13-18	38	40	23	2	4	5	11	11	15	55	134	655	216	158	234	225	0	1826	0
(1)	.61	.65	.37	.03	.06	.08	.18	.18	.24	.89	2.17	10.59	3.49	2.55	3.78	3.64	.00	29.51	.00
(2)	.29	.31	.18	.02	.03	.04	.08	.08	.12	.42	1.03	5.04	1.66	1.22	1.80	1.73	.00	14.06	.00
19-24	2	0	0	0	0	2	1	0	0	12	11	166	60	13	15	17	0	299	0
(1)	.03	.00	.00	.00	.00	.03	.02	.00	.00	.19	.18	2.68	.97	.21	.24	.27	.00	4.83	.00
(2)	.02	.00	.00	.00	.00	.02	.01	.00	.00	.09	.08	1.28	.46	.10	.12	.13	.00	2.30	.00
GT 24	0	0	0	0	0	1	1	0	2	1	0	21	8	0	0	0	0	34	0
(1)	.00	.00	.00	.00	.00	.02	.02	.00	.03	.02	.00	.34	.13	.00	.00	.00	.00	.55	.00
(2)	.00	.00	.00	.00	.00	.01	.01	.00	.02	.01	.00	.16	.06	.00	.00	.00	.00	.26	.00
ALL SPEEDS	348	358	307	144	96	95	168	168	163	317	595	1237	581	386	619	606	0	6188	0
(1)	5.62	5.79	4.96	2.33	1.55	1.54	2.71	2.71	2.63	5.12	9.62	19.99	9.39	6.24	10.00	9.79	.00	100.00	.00
(2)	2.68	2.76	2.36	1.11	.74	.73	1.29	1.29	1.26	2.44	4.58	9.53	4.47	2.97	4.77	4.67	.00	47.66	.00

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-75 SSES 197' (60m) 2001-2006 Winter JFD
(Page 5 of 8)

197.0 FT WIND DATA		SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 28.55																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS E	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		32	76	125	64	53	74	95	90	74	63	24	14	3	7	17	17	0	870
(1)		.86	2.05	3.37	1.73	1.43	2.00	2.56	2.43	2.00	1.70	.65	.38	.08	.19	.46	.00	.00	23.47
(2)		.25	.59	.96	.49	.41	.57	.73	.69	.57	.49	.18	.11	.02	.05	.13	.00	.00	6.70
4-7		104	164	116	56	39	45	49	77	138	201	93	50	38	27	31	0	0	1268
(1)		2.81	4.42	3.13	1.51	1.05	1.21	1.32	2.08	3.72	5.42	2.51	1.35	1.03	.73	.84	.00	.00	34.21
(2)		.80	1.26	.89	.43	.30	.35	.38	.59	1.06	1.55	.72	.39	.29	.21	.24	.00	.00	9.77
8-12		61	79	85	16	12	13	33	32	117	253	241	31	20	71	46	0	0	1125
(1)		1.65	2.13	2.29	.43	.32	.35	.89	.86	3.16	6.82	6.50	.84	.54	1.92	1.24	.00	.00	30.35
(2)		.47	.61	.65	.12	.09	.10	.25	.25	.90	1.95	1.86	.24	.15	.55	.35	.00	.00	8.66
13-18		4	28	13	1	4	5	7	8	45	44	184	14	1	17	5	0	0	387
(1)		.11	.76	.35	.03	.11	.13	.19	.22	1.21	1.19	4.96	.38	.03	.46	.13	.00	.00	10.44
(2)		.03	.22	.10	.01	.03	.04	.05	.06	.35	.34	1.42	.11	.01	.13	.04	.00	.00	2.98
19-24		0	1	0	0	1	3	5	5	8	4	8	3	0	0	0	0	0	44
(1)		.00	.03	.00	.00	.03	.08	.13	.13	.22	.11	.22	.08	.00	.00	.00	.00	.00	1.19
(2)		.00	.01	.00	.00	.01	.02	.04	.04	.06	.03	.06	.02	.00	.00	.00	.00	.00	.34
GT 24		0	0	0	0	0	1	1	3	4	0	2	1	0	0	0	0	0	13
(1)		.00	.00	.00	.00	.00	.03	.03	.08	.11	.00	.05	.03	.00	.00	.00	.00	.00	.35
(2)		.00	.00	.00	.00	.00	.01	.01	.02	.03	.00	.02	.01	.00	.00	.00	.00	.00	.10
ALL SPEEDS		201	348	339	137	109	144	190	215	386	565	552	113	62	122	99	0	0	3707
(1)		5.42	9.39	9.14	3.70	2.94	3.88	5.13	5.80	10.41	15.24	14.89	3.05	1.67	3.29	2.67	.00	.00	100.00
(2)		1.55	2.68	2.61	1.06	.84	.96	1.11	1.46	2.97	4.35	4.25	.87	.48	.94	.76	.00	.00	28.55

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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-75 SSES 197' (60m) 2001-2006 Winter JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													VRBL		TOTAL		
		CLASS FREQUENCY (PERCENT) = 9.91																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS F	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	23	92	112	64	56	39	28	31	32	24	7	4	4	3	1	4	3	0	523
(1)	1.79	7.15	8.70	4.97	4.35	3.03	2.18	2.41	2.49	1.86	.54	.31	.31	.23	.08	.31	.23	.00	40.64
(2)	.18	.71	.86	.49	.43	.30	.22	.24	.25	.18	.05	.03	.03	.02	.01	.03	.02	.00	4.03
4-7	66	180	68	8	8	5	8	13	48	62	78	11	11	2	6	8	8	0	579
(1)	5.13	13.99	5.28	.62	.62	.39	.62	1.01	3.73	4.82	6.06	.85	.85	.16	.47	.62	.62	.00	44.99
(2)	.51	1.39	.52	.06	.06	.04	.06	.10	.37	.48	.60	.08	.08	.02	.05	.06	.06	.00	4.46
8-12	1	7	5	0	0	0	2	0	7	17	46	74	74	0	1	3	3	0	166
(1)	.08	.54	.39	.00	.00	.00	.16	.00	.54	1.32	3.57	5.75	5.75	.00	.08	.23	.23	.00	12.90
(2)	.01	.05	.04	.00	.00	.00	.02	.00	.05	.13	.35	.57	.57	.00	.01	.02	.02	.00	1.28
13-18	0	0	0	0	0	0	0	0	1	1	4	12	12	0	0	0	0	0	18
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.08	.08	.31	.93	.93	.00	.00	.00	.00	.00	1.40
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.03	.09	.09	.00	.00	.00	.00	.00	.14
19-24	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	.00	.08	.00	.00	.00	.00	.00	.00	.00	.00	.08
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	90	279	185	72	64	44	38	44	88	105	135	101	101	5	8	15	14	0	1287
(1)	6.99	21.68	14.37	5.59	4.97	3.42	2.95	3.42	6.84	8.16	10.49	7.85	7.85	.39	.62	1.17	1.09	.00	100.00
(2)	.69	2.15	1.42	.55	.49	.34	.29	.34	.68	.81	1.04	.78	.78	.04	.06	.12	.11	.00	9.91

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Table 2.7-75 SSES 197' (60m) 2001-2006 Winter JFD
(Page 7 of 8)

197.0 FT WIND DATA		SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 7.13																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	11	61	86	61	39	21	24	18	8	5	1	2	1	2	1	1	2	0	380
(1)	1.19	6.59	9.29	6.59	4.21	2.27	2.59	1.94	.86	.54	.11	.22	.11	.22	.11	.11	.22	.00	41.04
(2)	.08	.47	.66	.47	.30	.16	.18	.14	.06	.04	.01	.02	.01	.02	.01	.01	.02	.00	2.93
4-7	87	154	63	12	5	5	11	34	45	34	8	1	0	1	0	2	3	0	472
(1)	9.40	16.63	6.80	1.30	.86	.54	1.19	3.67	4.86	3.67	.86	.11	.00	.11	.00	.22	.32	.00	50.97
(2)	.67	1.19	.49	.09	.06	.04	.08	.26	.35	.26	.06	.01	.00	.01	.00	.02	.02	.00	3.64
8-12	0	3	0	0	0	0	0	4	17	16	20	0	0	0	0	3	0	0	64
(1)	.00	.32	.00	.00	.00	.00	.00	.43	1.84	1.73	2.16	.00	.00	.00	.32	.00	.00	.00	6.91
(2)	.00	.02	.00	.00	.00	.00	.00	.03	.13	.12	.15	.00	.00	.00	.02	.00	.00	.00	.49
13-18	0	0	0	0	0	0	0	0	2	1	7	0	0	0	0	0	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.22	.11	.76	.00	.00	.00	.00	.00	.00	.00	1.08
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.05	.00	.00	.00	.00	.00	.00	.00	.08
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	98	218	149	73	47	45	26	35	56	72	56	36	3	1	6	5	5	0	926
(1)	10.58	23.54	16.09	7.88	5.08	4.86	2.81	3.78	6.05	7.78	6.05	3.89	.32	.11	.65	.54	.00	.00	100.00
(2)	.75	1.68	1.15	.56	.36	.35	.20	.27	.43	.55	.43	.28	.02	.01	.05	.04	.00	.00	7.13

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-75 SSES 197' (60m) 2001-2006 Winter JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES WINTER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS ALL																	
		CLASS FREQUENCY (PERCENT) = 100.00																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	WIND DIRECTION FROM								NNW	VRBL		
								S	SSW	SW	WSW	W	WNW	NW	NNW			VRBL	TOTAL
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	83	277	388	247	186	173	176	207	201	177	136	42	29	9	16	31	0	0	2378
(1)	.64	2.13	2.99	1.90	1.43	1.33	1.36	1.59	1.55	1.36	1.05	.32	.22	.07	.12	.24	.00	.00	18.31
(2)	.64	2.13	2.99	1.90	1.43	1.33	1.36	1.59	1.55	1.36	1.05	.32	.22	.07	.12	.24	.00	.00	18.31
4-7	351	623	376	148	104	89	131	126	220	401	588	227	113	97	84	87	0	0	3765
(1)	2.70	4.80	2.90	1.14	.80	.69	1.01	.97	1.69	3.09	4.53	1.75	.87	.75	.65	.67	.00	.00	29.00
(2)	2.70	4.80	2.90	1.14	.80	.69	1.01	.97	1.69	3.09	4.53	1.75	.87	.75	.65	.67	.00	.00	29.00
8-12	276	275	223	41	32	37	61	92	95	252	617	669	277	185	403	374	0	0	3909
(1)	2.13	2.12	1.72	.32	.25	.28	.47	.71	.73	1.94	4.75	5.15	2.13	1.42	3.10	2.88	.00	.00	30.11
(2)	2.13	2.12	1.72	.32	.25	.28	.47	.71	.73	1.94	4.75	5.15	2.13	1.42	3.10	2.88	.00	.00	30.11
13-18	45	76	43	3	8	12	16	18	29	117	263	981	252	163	254	235	0	0	2515
(1)	.35	.59	.33	.02	.06	.09	.12	.14	.22	.90	2.03	7.56	1.94	1.26	1.96	1.81	.00	.00	19.37
(2)	.35	.59	.33	.02	.06	.09	.12	.14	.22	.90	2.03	7.56	1.94	1.26	1.96	1.81	.00	.00	19.37
19-24	2	1	0	0	1	5	7	5	5	26	15	190	67	13	15	17	0	0	369
(1)	.02	.01	.00	.00	.01	.04	.05	.04	.04	.20	.12	1.46	.52	.10	.12	.13	.00	.00	2.84
(2)	.02	.01	.00	.00	.01	.04	.05	.04	.04	.20	.12	1.46	.52	.10	.12	.13	.00	.00	2.84
GT 24	0	0	0	0	0	2	2	1	5	5	0	24	9	0	0	0	0	0	48
(1)	.00	.00	.00	.00	.00	.02	.02	.01	.04	.04	.00	.18	.07	.00	.00	.00	.00	.00	.37
(2)	.00	.00	.00	.00	.00	.02	.02	.01	.04	.04	.00	.18	.07	.00	.00	.00	.00	.00	.37
ALL SPEEDS	757	1252	1030	439	331	318	393	449	555	978	1619	2133	747	467	772	744	0	0	12984
(1)	5.83	9.64	7.93	3.38	2.55	2.45	3.03	3.46	4.27	7.53	12.47	16.43	5.75	3.60	5.95	5.73	.00	.00	100.00
(2)	5.83	9.64	7.93	3.38	2.55	2.45	3.03	3.46	4.27	7.53	12.47	16.43	5.75	3.60	5.95	5.73	.00	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-76 SSES 197' (60m) 2001-2006 Spring JFD
(Page 1 of 8)

197.0 FT WIND DATA		SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL								
STABILITY CLASS A		CLASS FREQUENCY (PERCENT) = 6.97																					
SPEED MPH	WIND DIRECTION FROM	WIND DIRECTION FROM													VRBL	TOTAL							
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W			WNW	NW	NNW				
CALM	0	0	0	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	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	2	7	1	6	3	1	4	4	7	2	1	0	0	0	0	0	0	0	0	0	38
(1)	.00	.00	.22	.78	.11	.67	.33	.11	.44	.44	.78	.22	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.22
(2)	.00	.00	.02	.05	.01	.05	.02	.01	.03	.03	.05	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29
4-7	1	8	21	10	10	12	11	12	22	47	59	24	1	1	3	3	3	3	3	3	3	0	245
(1)	.11	.89	2.33	1.11	1.11	1.33	1.22	1.33	2.44	5.22	6.55	2.66	.11	.11	.33	.33	.33	.33	.33	.33	.33	.00	27.19
(2)	.01	.06	.16	.08	.08	.09	.09	.09	.17	.36	.46	.19	.01	.01	.02	.02	.02	.02	.02	.02	.02	.00	1.90
8-12	18	50	17	5	2	3	18	13	20	52	85	47	8	9	4	5	5	5	5	5	0	0	356
(1)	2.00	5.55	1.89	.55	.22	.33	2.00	1.44	2.22	5.77	9.43	5.22	.89	1.00	.44	.55	.55	.55	.55	.55	.00	.00	39.51
(2)	.14	.39	.13	.04	.02	.02	.14	.10	.15	.40	.66	.36	.06	.07	.03	.04	.04	.04	.04	.04	.00	.00	2.75
13-18	14	20	3	0	0	2	9	5	19	35	62	58	6	1	4	5	5	5	5	5	0	0	243
(1)	1.55	2.22	.33	.00	.00	.22	1.00	.55	2.11	3.88	6.88	6.44	.67	.11	.44	.55	.55	.55	.55	.55	.00	.00	26.97
(2)	.11	.15	.02	.00	.00	.02	.07	.04	.15	.27	.48	.45	.05	.01	.03	.04	.04	.04	.04	.04	.00	.00	1.88
19-24	2	0	0	0	0	0	0	1	2	5	4	3	0	0	0	0	0	0	0	0	0	0	17
(1)	.22	.00	.00	.00	.00	.00	.00	.11	.22	.55	.44	.33	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.89
(2)	.02	.00	.00	.00	.00	.00	.00	.01	.02	.04	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13
GT 24	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
ALL SPEEDS	35	78	43	22	13	23	41	32	67	143	218	135	16	11	11	13	13	13	13	13	0	0	901
(1)	3.88	8.66	4.77	2.44	1.44	2.55	4.55	3.55	7.44	15.87	24.20	14.98	1.78	1.22	1.22	1.44	1.44	1.44	1.44	1.44	.00	.00	100.00
(2)	.27	.60	.33	.17	.10	.18	.32	.25	.52	1.11	1.69	1.04	.12	.09	.09	.10	.10	.10	.10	.10	.00	.00	6.97

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-76 SSES 197' (60m) 2001-2006 Spring JFD
(Page 2 of 8)

197.0 FT WIND DATA		SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL		
		STABILITY CLASS B															
		CLASS FREQUENCY (PERCENT) = 3.61															
SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								NNW	VRBL	
							SE	SSE	S	SSW	SW	WSW	W	WNW			NW
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	2	3	0	4	3	2	1	4	5	2	0	0	0	0	0	26
(1)	.00	.43	.64	.00	.86	.64	.43	.21	.86	1.07	.43	.00	.00	.00	.00	.00	5.58
(2)	.00	.02	.02	.00	.03	.02	.02	.01	.03	.04	.02	.00	.00	.00	.00	.00	.20
4-7	4	5	14	5	3	6	3	7	3	16	8	4	2	1	2	0	83
(1)	.86	1.07	3.00	1.07	.64	1.29	.64	1.50	.64	3.43	1.72	.86	.43	.21	.43	.00	17.81
(2)	.03	.04	.11	.04	.02	.05	.02	.05	.02	.12	.06	.03	.02	.01	.02	.00	.64
8-12	11	22	14	1	8	3	9	7	8	11	37	23	4	13	9	11	191
(1)	2.36	4.72	3.00	.21	1.72	.64	1.93	1.50	1.72	2.36	7.94	4.94	.86	2.79	1.93	2.36	40.99
(2)	.09	.17	.11	.01	.06	.02	.07	.05	.06	.09	.29	.18	.03	.10	.07	.09	1.48
13-18	15	9	1	1	3	1	4	2	7	5	27	40	9	1	9	13	147
(1)	3.22	1.93	.21	.21	.64	.21	.86	.43	1.50	1.07	5.79	8.58	1.93	.21	1.93	2.79	31.55
(2)	.12	.07	.01	.01	.02	.01	.03	.02	.05	.04	.21	.31	.07	.01	.07	.10	1.14
19-24	1	0	0	0	0	0	0	0	1	0	1	9	0	0	2	0	14
(1)	.21	.00	.00	.00	.00	.00	.00	.00	.21	.00	.21	1.93	.00	.00	.43	.00	3.00
(2)	.01	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.07	.00	.00	.02	.00	.11
GT 24	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	1.07	.00	.00	.00	.00	.00	1.07
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00	.00	.04
ALL SPEEDS	31	38	32	7	18	13	18	17	23	37	80	76	15	15	22	24	466
(1)	6.65	8.15	6.87	1.50	3.86	2.79	3.86	3.65	4.94	7.94	17.17	16.31	3.22	3.22	4.72	5.15	100.00
(2)	.24	.29	.25	.05	.14	.10	.14	.13	.18	.29	.62	.59	.12	.12	.17	.19	3.61

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-76 SSES 197' (60m) 2001-2006 Spring JFD
(Page 3 of 8)

197.0 FT WIND DATA		SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 4.87				
		STABILITY CLASS C													WIND DIRECTION FROM				TOTAL
		SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	5	1	8	4	0	1	2	3	6	1	0	1	0	0	0	1	0	33
(1)	.00	.79	.16	1.27	.64	.00	.16	.32	.48	.95	.16	.00	.16	.00	.00	.00	.16	.00	5.25
(2)	.00	.04	.01	.06	.03	.00	.01	.02	.02	.05	.01	.00	.01	.00	.00	.00	.01	.00	.26
4-7	9	11	19	7	4	5	6	3	8	22	19	11	3	0	0	1	0	0	128
(1)	1.43	1.75	3.02	1.11	.64	.79	.95	.48	1.27	3.50	3.02	1.75	.48	.00	.00	.16	.00	.00	20.35
(2)	.07	.09	.15	.05	.03	.04	.05	.02	.06	.17	.15	.09	.02	.00	.00	.01	.00	.00	.99
8-12	27	31	10	5	6	6	14	6	7	13	40	46	17	6	13	11	0	0	258
(1)	4.29	4.93	1.59	.79	.95	.95	2.23	.95	1.11	2.07	6.36	7.31	2.70	.95	2.07	1.75	.00	.00	41.02
(2)	.21	.24	.08	.04	.05	.05	.11	.05	.05	.10	.31	.36	.13	.05	.10	.09	.00	.00	2.00
13-18	18	10	0	1	0	3	2	3	12	12	17	44	16	8	14	15	0	0	175
(1)	2.86	1.59	.00	.16	.00	.48	.32	.48	1.91	1.91	2.70	7.00	2.54	1.27	2.23	2.38	.00	.00	27.82
(2)	.14	.08	.00	.01	.00	.02	.02	.02	.09	.09	.13	.34	.12	.06	.11	.12	.00	.00	1.35
19-24	0	1	0	0	0	0	2	0	0	1	5	19	3	0	0	1	0	0	32
(1)	.00	.16	.00	.00	.00	.00	.32	.00	.00	.16	.79	3.02	.48	.00	.00	.16	.00	.00	5.09
(2)	.00	.01	.00	.00	.00	.00	.02	.00	.00	.01	.04	.15	.02	.00	.00	.01	.00	.00	.25
GT 24	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48	.00	.00	.00	.00	.00	.00	.48
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.02
ALL SPEEDS	54	58	30	21	14	14	25	14	30	54	82	123	40	14	27	29	0	0	629
(1)	8.59	9.22	4.77	3.34	2.23	2.23	3.97	2.23	4.77	8.59	13.04	19.55	6.36	2.23	4.29	4.61	.00	.00	100.00
(2)	.42	.45	.23	.16	.11	.11	.19	.11	.23	.42	.63	.95	.31	.11	.21	.22	.00	.00	4.87

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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Table 2.7-76 SSES 197' (60m) 2001-2006 Spring JFD
(Page 4 of 8)

197.0 FT WIND DATA		SSSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													VRBL		TOTAL	
		CLASS FREQUENCY (PERCENT) = 42.30																
		WIND DIRECTION FROM																
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	
																		STABILITY CLASS D
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	18	45	60	44	33	33	34	33	28	30	28	12	3	6	5	12	0	424
(1)	.33	.82	1.10	.80	.60	.60	.62	.60	.51	.55	.51	.22	.05	.11	.09	.22	.00	7.76
(2)	.14	.35	.46	.34	.26	.26	.26	.26	.22	.23	.22	.09	.02	.05	.04	.09	.00	3.28
4-7	73	131	156	83	66	66	75	63	60	91	176	109	51	59	61	46	0	1366
(1)	1.34	2.40	2.85	1.52	1.21	1.21	1.37	1.15	1.10	1.66	3.22	1.99	.93	1.08	1.12	.84	.00	24.99
(2)	.56	1.01	1.21	.64	.51	.51	.58	.49	.46	.70	1.36	.84	.39	.46	.47	.36	.00	10.57
8-12	250	241	164	62	53	82	99	90	68	67	158	178	146	166	215	222	0	2261
(1)	4.57	4.41	3.00	1.13	.97	1.50	1.81	1.65	1.24	1.23	2.89	3.26	2.67	3.04	3.93	4.06	.00	41.36
(2)	1.93	1.86	1.27	.48	.41	.63	.77	.70	.53	.52	1.22	1.38	1.13	1.28	1.66	1.72	.00	17.49
13-18	69	105	41	10	15	33	26	30	55	35	65	191	168	127	140	91	0	1201
(1)	1.26	1.92	.75	.18	.27	.60	.48	.55	1.01	.64	1.19	3.49	3.07	2.32	2.56	1.66	.00	21.97
(2)	.53	.81	.32	.08	.12	.26	.20	.23	.43	.27	.50	1.48	1.30	.98	1.08	.70	.00	9.29
19-24	2	9	3	1	4	5	2	4	8	7	12	61	57	15	5	2	0	197
(1)	.04	.16	.05	.02	.07	.09	.04	.07	.15	.13	.22	1.12	1.04	.27	.09	.04	.00	3.60
(2)	.02	.07	.02	.01	.03	.04	.02	.03	.06	.05	.09	.47	.44	.12	.04	.02	.00	1.52
GT 24	0	0	0	0	0	1	0	0	0	1	2	6	8	0	0	0	0	18
(1)	.00	.00	.00	.00	.00	.02	.00	.00	.00	.02	.04	.11	.15	.00	.00	.00	.00	.33
(2)	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.02	.05	.06	.00	.00	.00	.00	.14
ALL SPEEDS	412	531	424	200	171	220	236	220	219	231	441	557	433	373	426	373	0	5467
(1)	7.54	9.71	7.76	3.66	3.13	4.02	4.32	4.02	4.01	4.23	8.07	10.19	7.92	6.82	7.79	6.82	.00	100.00
(2)	3.19	4.11	3.28	1.55	1.32	1.70	1.83	1.70	1.69	1.79	3.41	4.31	3.35	2.89	3.30	2.89	.00	42.30

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-76 SSES 197' (60m) 2001-2006 Spring JFD
(Page 5 of 8)

197.0 FT WIND DATA		SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS E		CLASS FREQUENCY (PERCENT) = 24.90															
				WIND DIRECTION FROM															
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	44	103	139	74	58	37	53	52	56	60	63	29	15	8	9	15	0	815	
(1)	1.37	3.20	4.32	2.30	1.80	1.15	1.65	1.62	1.74	1.86	1.96	.90	.47	.25	.28	.47	.00	253.33	
(2)	.34	.80	1.08	.57	.45	.29	.41	.40	.43	.46	.49	.22	.12	.06	.07	.12	.00	6.31	
4-7	121	199	129	76	46	41	45	68	68	93	125	90	50	34	23	27	0	1235	
(1)	3.76	6.18	4.01	2.36	1.43	1.27	1.40	2.11	2.11	2.89	3.88	2.80	1.55	1.06	.71	.84	.00	38.38	
(2)	.94	1.54	1.00	.59	.36	.32	.35	.53	.53	.72	.97	.70	.39	.26	.18	.21	.00	9.56	
8-12	48	123	102	37	22	21	30	41	53	102	86	118	32	12	34	43	0	904	
(1)	1.49	3.82	3.17	1.15	.68	.65	.93	1.27	1.65	3.17	2.67	3.67	.99	.37	1.06	1.34	.00	28.09	
(2)	.37	.95	.79	.29	.17	.16	.23	.32	.41	.79	.67	.91	.25	.09	.26	.33	.00	6.99	
13-18	8	31	19	1	7	10	5	3	35	42	26	44	6	6	4	2	0	249	
(1)	.25	.96	.59	.03	.22	.31	.16	.09	1.09	1.31	.81	1.37	.19	.19	.12	.06	.00	7.74	
(2)	.06	.24	.15	.01	.05	.08	.04	.02	.27	.32	.20	.34	.05	.05	.03	.02	.00	1.93	
19-24	0	0	0	0	0	0	1	0	2	2	3	3	0	0	0	0	0	11	
(1)	.00	.00	.00	.00	.00	.00	.03	.00	.06	.06	.09	.09	.00	.00	.00	.00	.00	.34	
(2)	.00	.00	.00	.00	.00	.00	.01	.00	.02	.02	.02	.02	.00	.00	.00	.00	.00	.09	
GT 24	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	4	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.03	.00	.00	.00	.00	.00	.00	.12	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.01	.00	.00	.00	.00	.00	.00	.03	
ALL SPEEDS	221	456	389	188	133	109	134	164	217	299	304	284	103	60	70	87	0	3218	
(1)	6.87	14.17	12.09	5.84	4.13	3.39	4.16	5.10	6.74	9.29	9.45	8.83	3.20	1.86	2.18	2.70	.00	100.00	
(2)	1.71	3.53	3.01	1.45	1.03	.84	1.04	1.27	1.68	2.31	2.35	2.20	.80	.46	.54	.67	.00	24.90	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-76 SSES 197' (60m) 2001-2006 Spring JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 9.32				
		STABILITY CLASS F													WIND DIRECTION FROM				TOTAL
		SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	41	101	119	50	39	31	48	23	29	21	20	4	8	6	4	2	2	0	546
(1)	3.40	8.38	9.88	4.15	3.24	2.57	3.98	1.91	2.41	1.74	1.66	.33	.66	.50	.33	.17	.00	.00	45.31
(2)	.32	.78	.92	.39	.30	.24	.37	.18	.22	.16	.15	.03	.06	.05	.03	.02	.00	.00	4.22
4-7	61	204	83	11	13	9	12	12	18	35	52	15	7	4	10	5	0	0	551
(1)	5.06	16.93	6.89	.91	1.08	.75	1.00	1.00	1.49	2.90	4.32	1.24	.58	.33	.83	.41	.00	.00	45.73
(2)	.47	1.58	.64	.09	.10	.07	.09	.09	.14	.27	.40	.12	.05	.03	.08	.04	.00	.00	4.26
8-12	9	9	5	0	1	0	2	3	3	9	12	42	2	0	1	2	0	0	100
(1)	.75	.75	.41	.00	.08	.00	.17	.25	.25	.75	1.00	3.49	.17	.00	.08	.17	.00	.00	8.30
(2)	.07	.07	.04	.00	.01	.00	.02	.02	.02	.07	.09	.32	.02	.00	.01	.02	.00	.00	.77
13-18	1	0	0	0	1	0	0	0	0	0	1	5	0	0	0	0	0	0	8
(1)	.08	.00	.00	.00	.08	.00	.00	.00	.00	.00	.08	.41	.00	.00	.00	.00	.00	.00	.66
(2)	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01	.04	.00	.00	.00	.00	.00	.00	.06
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	112	314	207	61	54	40	62	38	50	65	85	66	17	10	15	9	0	0	1205
(1)	9.29	26.06	17.18	5.06	4.48	3.32	5.15	3.15	4.15	5.39	7.05	5.48	1.41	.83	1.24	.75	.00	.00	100.00
(2)	.87	2.43	1.60	.47	.42	.31	.48	.29	.39	.50	.66	.51	.13	.08	.12	.07	.00	.00	9.32

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Table 2.7-76 SSES 197' (60m) 2001-2006 Spring JFD
(Page 7 of 8)

197.0 FT WIND DATA		SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		STABILITY CLASS G		CLASS FREQUENCY (PERCENT) = 8.03														
		SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								NNW	VRBL
SE	SSE								S	SSW	SW	WSW	W	WNW	NW			
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	23	68	119	51	34	30	24	20	18	13	6	3	2	1	1	4	0	417
(1)	2.22	6.55	11.46	4.91	3.28	2.89	2.31	1.93	1.73	1.25	.58	.29	.19	.10	.10	.39	.00	40.17
(2)	.18	.53	.92	.39	.26	.23	.19	.15	.14	.10	.05	.02	.02	.01	.01	.03	.00	3.23
4-7	102	253	89	20	5	6	8	7	20	23	29	7	1	1	4	7	0	582
(1)	9.83	24.37	8.57	1.93	.48	.58	.77	.67	1.93	2.22	2.79	.67	.10	.10	.39	.67	.00	56.07
(2)	.79	1.96	.69	.15	.04	.05	.06	.05	.15	.18	.22	.05	.01	.01	.03	.05	.00	4.50
8-12	6	2	2	0	0	0	1	2	3	10	5	8	0	0	0	0	0	39
(1)	.58	.19	.19	.00	.00	.00	.10	.19	.29	.96	.48	.77	.00	.00	.00	.00	.00	3.76
(2)	.05	.02	.02	.00	.00	.00	.01	.02	.02	.08	.04	.06	.00	.00	.00	.00	.00	.30
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	131	323	210	71	39	36	33	29	41	46	40	18	3	2	5	11	0	1038
(1)	12.62	31.12	20.23	6.84	3.76	3.47	3.18	2.79	3.95	4.43	3.85	1.73	.29	.19	.48	1.06	.00	100.00
(2)	1.01	2.50	1.62	.55	.30	.28	.26	.22	.32	.36	.31	.14	.02	.02	.04	.09	.00	8.03

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Table 2.7-76 SSES 197' (60m) 2001-2006 Spring JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES SPRING 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 100.00																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
																			STABILITY CLASS ALL
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	126	324	443	234	173	140	165	132	142	139	127	50	30	21	19	34	0	2299	
(1)	.97	2.51	3.43	1.81	1.34	1.08	1.28	1.02	1.10	1.08	.98	.39	.23	.16	.15	.26	.00	17.79	
(2)	.97	2.51	3.43	1.81	1.34	1.08	1.28	1.02	1.10	1.08	.98	.39	.23	.16	.15	.26	.00	17.79	
4-7	371	811	511	212	147	145	160	172	199	327	468	260	115	100	103	89	0	4190	
(1)	2.87	6.28	3.95	1.64	1.14	1.12	1.24	1.33	1.54	2.53	3.62	2.01	.89	.77	.80	.69	.00	32.42	
(2)	2.87	6.28	3.95	1.64	1.14	1.12	1.24	1.33	1.54	2.53	3.62	2.01	.89	.77	.80	.69	.00	32.42	
8-12	369	478	314	110	92	115	173	162	162	264	423	462	209	206	276	294	0	4109	
(1)	2.86	3.70	2.43	.85	.71	.89	1.34	1.25	1.25	2.04	3.27	3.57	1.62	1.59	2.14	2.27	.00	31.79	
(2)	2.86	3.70	2.43	.85	.71	.89	1.34	1.25	1.25	2.04	3.27	3.57	1.62	1.59	2.14	2.27	.00	31.79	
13-18	125	175	64	13	26	49	46	43	128	129	198	382	205	143	171	126	0	2023	
(1)	.97	1.35	.50	.10	.20	.38	.36	.33	.99	1.00	1.53	2.96	1.59	1.11	1.32	.97	.00	15.65	
(2)	.97	1.35	.50	.10	.20	.38	.36	.33	.99	1.00	1.53	2.96	1.59	1.11	1.32	.97	.00	15.65	
19-24	5	10	3	1	4	5	5	5	13	15	25	95	60	15	7	3	0	271	
(1)	.04	.08	.02	.01	.03	.04	.04	.04	.10	.12	.19	.74	.46	.12	.05	.02	.00	2.10	
(2)	.04	.08	.02	.01	.03	.04	.04	.04	.10	.12	.19	.74	.46	.12	.05	.02	.00	2.10	
GT 24	0	0	0	0	0	1	0	0	3	1	9	10	8	0	0	0	0	32	
(1)	.00	.00	.00	.00	.00	.01	.00	.00	.02	.01	.07	.08	.06	.00	.00	.00	.00	.25	
(2)	.00	.00	.00	.00	.00	.01	.00	.00	.02	.01	.07	.08	.06	.00	.00	.00	.00	.25	
ALL SPEEDS	996	1798	1335	570	442	455	549	514	647	875	1250	1259	627	485	576	546	0	12924	
(1)	7.71	13.91	10.33	4.41	3.42	3.52	4.25	3.98	5.01	6.77	9.67	9.74	4.85	3.75	4.46	4.22	.00	100.00	
(2)	7.71	13.91	10.33	4.41	3.42	3.52	4.25	3.98	5.01	6.77	9.67	9.74	4.85	3.75	4.46	4.22	.00	100.00	

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Table 2.7-77 SSES 197' (60m) 2001-2006 Summer JFD

(Page 1 of 8)

SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

CLASS FREQUENCY (PERCENT) = 8.67

197.0 FT WIND DATA

STABILITY CLASS A

SPEED MPH	WIND DIRECTION FROM																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	4	21	16	13	10	10	1	10	16	9	1	0	1	1	0	0	113
(1)	.00	.39	2.04	1.55	1.26	.97	.97	.10	.97	1.55	.87	.10	.00	.10	.10	.00	.00	10.96
(2)	.00	.03	.18	.13	.11	.08	.08	.01	.08	.13	.08	.01	.00	.01	.01	.00	.00	.95
4-7	16	26	46	19	9	9	20	11	16	34	69	17	2	1	2	1	0	298
(1)	1.55	2.52	4.46	1.84	.87	.87	1.94	1.07	1.55	3.30	6.69	1.65	.19	.10	.19	.10	.00	28.90
(2)	.13	.22	.39	.16	.08	.08	.17	.09	.13	.29	.58	.14	.02	.01	.02	.01	.00	2.51
8-12	37	28	14	10	0	0	18	7	14	31	185	84	21	8	5	8	0	470
(1)	3.59	2.72	1.36	.97	.00	.00	1.75	.68	1.36	3.01	17.94	8.15	2.04	.78	.48	.78	.00	45.59
(2)	.31	.24	.12	.08	.00	.00	.15	.06	.12	.26	1.56	.71	.18	.07	.04	.07	.00	3.95
13-18	3	9	0	2	0	3	1	1	8	8	52	52	6	0	2	2	0	149
(1)	.29	.87	.00	.19	.00	.29	.10	.10	.78	.78	5.04	5.04	.58	.00	.19	.19	.00	14.45
(2)	.03	.08	.00	.02	.00	.03	.01	.01	.07	.07	.44	.44	.05	.00	.02	.02	.00	1.25
19-24	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	.10	.00	.00	.00	.00	.00	.00	.10
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	56	67	81	47	22	22	49	20	48	89	316	154	29	10	10	11	0	1031
(1)	5.43	6.50	7.86	4.56	2.13	2.13	4.75	1.94	4.66	8.63	30.65	14.94	2.81	.97	.97	1.07	.00	100.00
(2)	.47	.56	.68	.40	.18	.18	.41	.17	.40	.75	2.66	1.29	.24	.08	.08	.09	.00	8.67

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-77 SSES 197' (60m) 2001-2006 Summer JFD
(Page 2 of 8)

197.0 FT WIND DATA		SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		CLASS FREQUENCY (PERCENT) = 4.40																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS B	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	3	7	10	7	6	3	2	2	3	1	1	0	0	1	0	0	47
(1)	.19	.57	1.34	1.91	1.34	1.15	.57	.38	.38	.57	.19	.19	.00	.00	.19	.00	.00	8.99
(2)	.01	.03	.06	.08	.06	.05	.03	.02	.02	.03	.01	.01	.00	.00	.01	.00	.00	.40
4-7	10	29	22	12	2	4	5	3	3	11	34	4	1	2	3	3	0	148
(1)	1.91	5.54	4.21	2.29	.38	.76	.96	.57	.57	2.10	6.50	.76	.19	.38	.57	.57	.00	28.30
(2)	.08	.24	.18	.10	.02	.03	.04	.03	.03	.09	.29	.03	.01	.02	.03	.03	.00	1.24
8-12	19	26	4	4	1	0	7	3	8	17	92	43	17	6	5	13	0	265
(1)	3.63	4.97	.76	.76	.19	.00	1.34	.57	1.53	3.25	17.59	8.22	3.25	1.15	.96	2.49	.00	50.67
(2)	.16	.22	.03	.03	.01	.00	.06	.03	.07	.14	.77	.36	.14	.05	.04	.11	.00	2.23
13-18	6	3	0	0	0	1	0	0	1	7	18	20	4	0	0	2	0	62
(1)	1.15	.57	.00	.00	.00	.19	.00	.00	.19	1.34	3.44	3.82	.76	.00	.00	.38	.00	11.85
(2)	.05	.03	.00	.00	.00	.01	.00	.00	.01	.06	.15	.17	.03	.00	.00	.02	.00	.52
19-24	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	.19	.00	.00	.00	.00	.00	.19
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	36	61	33	26	10	11	15	8	14	38	145	69	22	8	9	18	0	523
(1)	6.88	11.66	6.31	4.97	1.91	2.10	2.87	1.53	2.68	7.27	27.72	13.19	4.21	1.53	1.72	3.44	.00	100.00
(2)	.30	.51	.28	.22	.08	.09	.13	.07	.12	.32	1.22	.58	.18	.07	.08	.15	.00	4.40

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-77 SSES 197' (60m) 2001-2006 Summer JFD
(Page 3 of 8)

197.0 FT WIND DATA		SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL						
		CLASS FREQUENCY (PERCENT) = 5.57																			
		WIND DIRECTION FROM																			
SPEED MPH	STABILITY CLASS C	WIND DIRECTION FROM													NNW	VRBL	TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W				WNW	NW	NNW	
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		1	6	7	12	12	4	2	3	9	9	5	1	1	1	1	1	1	1	1	74
(1)		.15	.91	1.06	1.81	1.81	.60	.30	.45	1.36	1.36	.76	.15	.15	.15	.15	.15	.15	.15	.15	11.18
(2)		.01	.05	.06	.10	.10	.03	.02	.03	.08	.08	.04	.01	.01	.01	.01	.01	.01	.01	.01	.62
4-7		17	33	18	14	5	4	7	5	10	23	40	11	2	4	4	5	8	8	8	206
(1)		2.57	4.98	2.72	2.11	.76	.60	1.06	.76	1.51	3.47	6.04	1.66	.30	.60	.60	.76	1.21	1.21	.00	31.12
(2)		.14	.28	.15	.12	.04	.03	.06	.04	.08	.19	.34	.09	.02	.03	.03	.04	.07	.07	.00	1.73
8-12		26	12	7	1	0	2	3	2	8	19	85	52	14	9	19	20	20	20	20	279
(1)		3.93	1.81	1.06	.15	.00	.30	.45	.30	1.21	2.87	12.84	7.85	2.11	1.36	2.87	3.02	3.02	.00	.00	42.15
(2)		.22	.10	.06	.01	.00	.02	.03	.02	.07	.16	.71	.44	.12	.08	.16	.17	.17	.00	.00	2.35
13-18		1	5	0	0	0	0	0	1	3	8	22	43	4	3	7	2	2	2	2	99
(1)		.15	.76	.00	.00	.00	.00	.00	.15	.45	1.21	3.32	6.50	.60	.45	1.06	.30	.30	.00	.00	14.95
(2)		.01	.04	.00	.00	.00	.00	.00	.01	.03	.07	.18	.36	.03	.03	.06	.02	.02	.00	.00	.83
19-24		0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	4
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60	.00	.00	.00	.00	.00	.00	.00	.60
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.03
GT 24		0	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	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		45	56	32	27	17	10	12	11	30	59	152	111	21	17	31	31	31	0	0	662
(1)		6.80	8.46	4.83	4.08	2.57	1.51	1.81	1.66	4.53	8.91	22.96	16.77	3.17	2.57	4.68	4.68	4.68	.00	.00	100.00
(2)		.38	.47	.27	.23	.14	.08	.10	.09	.25	.50	1.28	.93	.18	.14	.26	.26	.26	.00	.00	5.57

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Table 2.7-77 SSES 197' (60m) 2001-2006 Summer JFD
(Page 4 of 8)

197.0 FT WIND DATA		SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL
		CLASS FREQUENCY (PERCENT) = 31.42																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS D	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	
		CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
C-3	23	91	118	80	49	51	45	70	65	64	32	7	4	5	10	10	0	
(1)	.62	2.43	3.16	2.14	1.31	1.36	1.20	1.87	1.74	1.71	.86	.19	.11	.13	.27	.00	20.71	
(2)	.19	.77	.99	.67	.41	.43	.38	.59	.55	.54	.27	.06	.03	.04	.08	.00	6.51	
4-7	97	156	104	69	49	64	64	58	153	256	91	26	26	32	41	0	1348	
(1)	2.59	4.17	2.78	1.85	1.31	1.71	1.71	1.55	4.09	6.85	2.43	.70	.70	.86	1.10	.00	36.06	
(2)	.82	1.31	.87	.58	.41	.54	.54	.49	1.29	2.15	.77	.22	.22	.27	.34	.00	11.33	
8-12	87	128	64	7	35	39	52	93	96	256	188	48	35	83	91	0	1320	
(1)	2.33	3.42	1.71	.19	.94	1.04	1.39	2.49	2.57	6.85	5.03	1.28	.94	2.22	2.43	.00	35.31	
(2)	.73	1.08	.54	.06	.29	.33	.44	.78	.81	2.15	1.58	.40	.29	.70	.77	.00	11.10	
13-18	9	16	1	0	5	2	1	19	31	68	100	8	3	8	12	0	287	
(1)	.24	.43	.03	.00	.13	.05	.03	.51	.83	1.82	2.68	.21	.08	.21	.32	.00	7.68	
(2)	.08	.13	.01	.00	.04	.02	.01	.16	.26	.57	.84	.07	.03	.07	.10	.00	2.41	
19-24	0	0	0	0	0	0	0	1	2	0	5	0	0	0	0	0	8	
(1)	.00	.00	.00	.00	.00	.00	.00	.03	.05	.00	.13	.00	.00	.00	.00	.00	.21	
(2)	.00	.00	.00	.00	.00	.00	.00	.01	.02	.00	.04	.00	.00	.00	.00	.00	.07	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS	216	391	287	156	138	156	162	241	347	644	416	89	68	128	154	0	3738	
(1)	5.78	10.46	7.68	4.17	3.69	4.17	4.33	6.45	9.28	17.23	11.13	2.38	1.82	3.42	4.12	.00	100.00	
(2)	1.82	3.29	2.41	1.31	1.16	1.31	1.36	2.03	2.92	5.41	3.50	.75	.57	1.08	1.29	.00	31.42	

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Table 2.7-77 SSES 197' (60m) 2001-2006 Summer JFD
(Page 5 of 8)

197.0 FT WIND DATA		SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL						
		CLASS FREQUENCY (PERCENT) = 30.29																			
		WIND DIRECTION FROM																			
SPEED MPH	STABILITY CLASS	WIND DIRECTION FROM													VRBL	TOTAL					
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W			WNW	NW	NNW		
CALM		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
(1)		.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	
(2)		.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	
C-3		43	192	284	118	109	83	92	77	91	71	49	23	9	5	12	12	17	18	0	1263
(1)		1.19	5.33	7.88	3.28	3.03	2.30	2.55	2.14	2.53	1.97	1.36	.64	.25	.14	.33	.33	.44	.50	.00	35.05
(2)		.36	1.61	2.39	.99	.92	.70	.77	.65	.77	.60	.41	.19	.08	.04	.10	.08	.10	.15	.00	10.62
4-7		146	442	180	59	49	35	61	70	89	123	184	64	12	16	18	12	16	17	0	1565
(1)		4.05	12.27	5.00	1.64	1.36	.97	1.69	1.94	2.47	3.41	5.11	1.78	.33	.44	.50	.33	.44	.47	.00	43.44
(2)		1.23	3.72	1.51	.50	.41	.29	.51	.59	.75	1.03	1.55	.54	.10	.13	.15	.10	.13	.14	.00	13.16
8-12		30	60	40	3	9	10	20	28	70	125	116	108	6	9	28	6	9	28	0	689
(1)		.83	1.67	1.11	.08	.25	.28	.56	.78	1.94	3.47	3.22	3.00	.17	.25	.78	.17	.25	.78	.00	19.12
(2)		.25	.50	.34	.03	.08	.08	.17	.24	.59	1.05	.98	.91	.05	.08	.24	.05	.08	.24	.00	5.79
13-18		1	9	3	0	0	0	2	4	11	12	15	15	3	0	2	3	0	2	0	80
(1)		.03	.25	.08	.00	.00	.00	.06	.11	.31	.33	.42	.42	.08	.00	.06	.08	.00	.06	.00	2.22
(2)		.01	.08	.03	.00	.00	.00	.02	.03	.09	.10	.13	.13	.03	.00	.02	.03	.00	.02	.00	.67
19-24		0	0	0	0	0	0	0	1	3	0	0	1	0	0	0	0	0	0	0	5
(1)		.00	.00	.00	.00	.00	.00	.00	.03	.08	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.14
(2)		.00	.00	.00	.00	.00	.00	.00	.01	.03	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.04
GT 24		0	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	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		220	703	508	180	167	128	175	180	264	331	364	211	30	30	52	60	30	52	0	3603
(1)		6.11	19.51	14.10	5.00	4.64	3.55	4.86	5.00	7.33	9.19	10.10	5.86	.83	.83	1.44	1.67	.83	1.44	.00	100.00
(2)		1.85	5.91	4.27	1.51	1.40	1.08	1.47	1.51	2.22	2.78	3.06	1.77	.25	.25	.44	.50	.25	.44	.00	30.29

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Table 2.7-77 SSES 197' (60m) 2001-2006 Summer JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		CLASS FREQUENCY (PERCENT) = 14.71																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS F	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	28	177	188	87	70	64	56	49	50	17	11	6	3	1	2	4	4	0	813
(1)	1.60	10.11	10.74	4.97	4.00	3.66	3.20	2.80	2.86	.97	.63	.34	.17	.06	.11	.23	.00	.00	46.46
(2)	.24	1.49	1.58	.73	.59	.54	.47	.41	.42	.14	.09	.05	.03	.01	.02	.03	.00	.00	6.83
4-7	102	473	82	9	14	8	5	7	18	54	48	11	3	3	6	3	0	0	846
(1)	5.83	27.03	4.69	.51	.80	.46	.29	.40	1.03	3.09	2.74	.63	.17	.17	.34	.17	.00	.00	48.34
(2)	.86	3.98	.69	.08	.12	.07	.04	.06	.15	.45	.40	.09	.03	.03	.05	.03	.00	.00	7.11
8-12	9	3	1	0	0	0	0	1	3	5	27	39	0	0	2	0	0	0	90
(1)	.51	.17	.06	.00	.00	.00	.00	.06	.17	.29	1.54	2.23	.00	.00	.11	.00	.00	.00	5.14
(2)	.08	.03	.01	.00	.00	.00	.00	.01	.03	.04	.23	.33	.00	.00	.02	.00	.00	.00	.76
13-18	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	.00	.06	.00	.00	.00	.06
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	139	653	271	96	84	72	61	57	71	76	86	56	6	4	11	7	0	0	1750
(1)	7.94	37.31	15.49	5.49	4.80	4.11	3.49	3.26	4.06	4.34	4.91	3.20	.34	.23	.63	.40	.00	.00	100.00
(2)	1.17	5.49	2.28	.81	.71	.61	.51	.48	.60	.64	.72	.47	.05	.03	.09	.06	.00	.00	14.71

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Table 2.7-77 SSES 197' (60m) 2001-2006 Summer JFD
(Page 7 of 8)

197.0 FT WIND DATA		SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS G		WIND DIRECTION FROM												VRBL			
				CLASS FREQUENCY (PERCENT) = 4.94															
SPEED MPH		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	10	56	68	38	22	26	18	20	13	10	6	0	0	1	1	1	0	0	290
(1)	1.70	9.52	11.56	6.46	3.74	4.42	3.06	3.40	2.21	1.70	1.02	.00	.00	.17	.17	.17	.00	.00	49.32
(2)	.08	.47	.57	.32	.18	.22	.15	.17	.11	.08	.05	.00	.00	.01	.01	.01	.00	.00	2.44
4-7	37	142	39	5	1	1	2	0	6	24	20	4	0	1	4	1	0	0	287
(1)	6.29	24.15	6.63	.85	.17	.17	.34	.00	1.02	4.08	3.40	.68	.00	.17	.68	.17	.00	.00	48.81
(2)	.31	1.19	.33	.04	.01	.01	.02	.00	.05	.20	.17	.03	.00	.01	.03	.01	.00	.00	2.41
8-12	2	1	0	0	0	0	0	0	0	1	2	3	0	1	1	0	0	0	11
(1)	.34	.17	.00	.00	.00	.00	.00	.00	.00	.17	.34	.51	.00	.17	.17	.00	.00	.00	1.87
(2)	.02	.01	.00	.00	.00	.00	.00	.00	.00	.01	.02	.03	.00	.01	.01	.00	.00	.00	.09
13-18	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	49	199	107	43	23	27	20	20	19	35	28	7	0	3	6	2	0	0	588
(1)	8.33	33.84	18.20	7.31	3.91	4.59	3.40	3.40	3.23	5.95	4.76	1.19	.00	.51	1.02	.34	.00	.00	100.00
(2)	.41	1.67	.90	.36	.19	.23	.17	.17	.16	.29	.24	.06	.00	.03	.05	.02	.00	.00	4.94

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-77 SSES 197' (60m) 2001-2006 Summer JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES SUMMER 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS ALL																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3	106	529	693	361	293	242	232	197	245	191	145	64	20	13	15	28	0	3374	
(1)	.89	4.45	5.83	3.03	2.46	2.03	1.95	1.66	2.06	1.61	1.22	.54	.17	.11	.13	.24	.00	28.36	
(2)	.89	4.45	5.83	3.03	2.46	2.03	1.95	1.66	2.06	1.61	1.22	.54	.17	.11	.13	.24	.00	28.36	
4-7	425	1301	491	187	142	110	164	160	200	422	651	202	46	53	69	75	0	4698	
(1)	3.57	10.94	4.13	1.57	1.19	.92	1.38	1.35	1.68	3.55	5.47	1.70	.39	.45	.58	.63	.00	39.50	
(2)	3.57	10.94	4.13	1.57	1.19	.92	1.38	1.35	1.68	3.55	5.47	1.70	.39	.45	.58	.63	.00	39.50	
8-12	210	258	130	25	28	47	87	93	196	294	763	517	106	68	143	159	0	3124	
(1)	1.77	2.17	1.09	.21	.24	.40	.73	.78	1.65	2.47	6.41	4.35	.89	.57	1.20	1.34	.00	26.26	
(2)	1.77	2.17	1.09	.21	.24	.40	.73	.78	1.65	2.47	6.41	4.35	.89	.57	1.20	1.34	.00	26.26	
13-18	20	42	4	2	4	9	5	7	42	66	175	230	25	6	20	21	0	678	
(1)	.17	.35	.03	.02	.03	.08	.04	.06	.35	.55	1.47	1.93	.21	.05	.17	.18	.00	5.70	
(2)	.17	.35	.03	.02	.03	.08	.04	.06	.35	.55	1.47	1.93	.21	.05	.17	.18	.00	5.70	
19-24	0	0	0	0	0	0	0	1	4	2	1	11	0	0	0	0	0	19	
(1)	.00	.00	.00	.00	.00	.00	.00	.01	.03	.02	.01	.09	.00	.00	.00	.00	.00	.16	
(2)	.00	.00	.00	.00	.00	.00	.00	.01	.03	.02	.01	.09	.00	.00	.00	.00	.00	.16	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	761	2130	1319	575	468	408	488	458	687	975	1735	1024	197	140	247	283	0	11895	
(1)	6.40	17.91	11.09	4.83	3.93	3.43	4.10	3.85	5.78	8.20	14.59	8.61	1.66	1.18	2.08	2.38	.00	100.00	
(2)	6.40	17.91	11.09	4.83	3.93	3.43	4.10	3.85	5.78	8.20	14.59	8.61	1.66	1.18	2.08	2.38	.00	100.00	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-78 SSES 197' (60m) 2001-2006 Autumn JFD

(Page 1 of 8)

197.0 FT WIND DATA		SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 3.51																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS A	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	3	6	9	7	6	3	3	10	8	6	0	0	0	0	1	0	0	63
(1)	.22	.67	1.33	2.00	1.56	1.33	.67	.67	2.22	1.78	1.33	.00	.00	.00	.00	.22	.00	.00	14.00
(2)	.01	.02	.05	.07	.05	.05	.02	.02	.08	.06	.05	.00	.00	.00	.00	.01	.00	.00	.49
4-7	2	19	15	8	2	3	8	16	9	21	38	9	0	0	3	2	2	0	155
(1)	.44	4.22	3.33	1.78	.44	.67	1.78	3.56	2.00	4.67	8.44	2.00	.00	.00	.67	.44	.00	.00	34.44
(2)	.02	.15	.12	.06	.02	.02	.06	.12	.07	.16	.30	.07	.00	.00	.02	.02	.00	.00	1.21
8-12	9	10	5	0	0	0	2	13	19	27	62	19	3	2	2	4	0	0	177
(1)	2.00	2.22	1.11	.00	.00	.00	.44	2.89	4.22	6.00	13.78	4.22	.67	.44	.44	.89	.00	.00	39.33
(2)	.07	.08	.04	.00	.00	.00	.02	.10	.15	.21	.48	.15	.02	.02	.02	.03	.00	.00	1.38
13-18	0	2	4	0	0	0	0	0	8	9	16	10	0	0	0	0	0	0	52
(1)	.00	.44	.89	.00	.00	.00	.00	.67	1.78	2.00	3.56	2.22	.00	.00	.00	.00	.00	.00	11.56
(2)	.00	.02	.03	.00	.00	.00	.00	.02	.06	.07	.12	.08	.00	.00	.00	.00	.00	.00	.41
19-24	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.22	.00	.00	.44	.00	.00	.00	.00	.00	.00	.00	.00	.67
(2)	.00	.00	.00	.00	.00	.00	.01	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.02
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	12	34	30	17	9	9	14	35	46	67	122	38	3	2	6	6	6	0	450
(1)	2.67	7.56	6.67	3.78	2.00	2.00	3.11	7.78	10.22	14.89	27.11	8.44	.67	.44	1.33	1.33	1.33	.00	100.00
(2)	.09	.27	.23	.13	.07	.07	.11	.27	.36	.52	.95	.30	.02	.02	.05	.05	.05	.00	3.51

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-78 SSES 197' (60m) 2001-2006 Autumn JFD
(Page 2 of 8)

197.0 FT WIND DATA		SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 2.52																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS B	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		2	3	5	5	0	4	2	1	2	6	0	1	0	0	0	0	0	31
(1)		.62	.93	1.55	1.55	.00	1.24	.62	.31	.62	1.86	.00	.31	.00	.00	.00	.00	.00	9.60
(2)		.02	.02	.04	.04	.00	.03	.02	.01	.02	.05	.00	.01	.00	.00	.00	.00	.00	.24
4-7		3	6	9	3	0	2	2	2	5	14	29	5	3	0	2	3	0	88
(1)		.93	1.86	2.79	.93	.00	.62	.62	.62	1.55	4.33	8.98	1.55	.93	.00	.62	.93	.00	27.24
(2)		.02	.05	.07	.02	.00	.02	.02	.02	.04	.11	.23	.04	.02	.00	.02	.02	.00	.69
8-12		6	13	7	0	0	0	4	4	6	9	42	17	11	7	3	7	0	136
(1)		1.86	4.02	2.17	.00	.00	.00	1.24	1.24	1.86	2.79	13.00	5.26	3.41	2.17	.93	2.17	.00	42.11
(2)		.05	.10	.05	.00	.00	.00	.03	.03	.05	.07	.33	.13	.09	.05	.02	.05	.00	1.06
13-18		0	3	0	0	0	0	1	4	1	3	17	24	3	0	0	0	0	56
(1)		.00	.93	.00	.00	.00	.00	.31	1.24	.31	.93	5.26	7.43	.93	.00	.00	.00	.00	17.34
(2)		.00	.02	.00	.00	.00	.00	.01	.03	.01	.02	.13	.19	.02	.00	.00	.00	.00	.44
19-24		0	0	0	0	0	0	0	0	0	4	3	3	0	0	1	1	0	12
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	1.24	.93	.93	.00	.00	.31	.31	.00	3.72
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.02	.02	.00	.00	.01	.01	.00	.09
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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		11	25	21	8	0	6	9	11	14	36	91	50	17	7	6	11	0	323
(1)		3.41	7.74	6.50	2.48	.00	1.86	2.79	3.41	4.33	11.15	28.17	15.48	5.26	2.17	1.86	3.41	.00	100.00
(2)		.09	.19	.16	.06	.00	.05	.07	.09	.11	.28	.71	.39	.13	.05	.05	.09	.00	2.52

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-78 SSES 197' (60m) 2001-2006 Autumn JFD
(Page 3 of 8)

197.0 FT WIND DATA	SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL		
	CLASS FREQUENCY (PERCENT) = 3.86																		
	WIND DIRECTION FROM																		
STABILITY CLASS C	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	5	2	3	6	4	2	3	4	7	5	2	0	0	1	0	0	0	0	44
(1)	1.01	.40	.61	1.21	.81	.40	.61	.81	1.41	1.01	.40	.00	.00	.20	.00	.00	.00	.00	8.89
(2)	.04	.02	.02	.05	.03	.02	.02	.03	.05	.04	.02	.00	.00	.01	.00	.00	.00	.00	.34
4-7	2	16	17	5	1	3	2	5	5	17	38	12	1	1	2	0	0	0	127
(1)	.40	3.23	3.43	1.01	.20	.61	.40	1.01	1.01	3.43	7.68	2.42	.20	.20	.40	.00	.00	.00	25.66
(2)	.02	.12	.13	.04	.01	.02	.02	.04	.04	.13	.30	.09	.01	.01	.02	.00	.00	.00	.99
8-12	22	25	4	1	0	1	5	7	14	12	57	33	12	13	4	12	0	0	222
(1)	4.44	5.05	.81	.20	.00	.20	1.01	1.41	2.83	2.42	11.52	6.67	2.42	2.63	.81	2.42	.00	.00	44.85
(2)	.17	.19	.03	.01	.00	.01	.04	.05	.11	.09	.44	.26	.09	.10	.03	.09	.00	.00	1.73
13-18	6	8	0	0	0	0	2	3	6	9	9	32	8	0	1	4	0	0	88
(1)	1.21	1.62	.00	.00	.00	.00	.40	.61	1.21	1.82	1.82	6.46	1.62	.00	.20	.81	.00	.00	17.78
(2)	.05	.06	.00	.00	.00	.00	.02	.02	.05	.07	.07	.25	.06	.00	.01	.03	.00	.00	.69
19-24	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	2	0	0	12
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.00	1.82	.00	.00	.00	.40	.00	.00	2.42
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.07	.00	.00	.00	.02	.00	.00	.09
GT 24	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00	.00	.00	.00	.00	.40
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.02
ALL SPEEDS	35	51	24	12	5	6	12	19	32	44	106	88	21	15	7	18	0	0	495
(1)	7.07	10.30	4.85	2.42	1.01	1.21	2.42	3.84	6.46	8.89	21.41	17.78	4.24	3.03	1.41	3.64	.00	.00	100.00
(2)	.27	.40	.19	.09	.04	.05	.09	.15	.25	.34	.83	.69	.16	.12	.05	.14	.00	.00	3.86

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-78 SSES 197' (60m) 2001-2006 Autumn JFD
(Page 4 of 8)

197.0 FT WIND DATA		SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL									
		CLASS FREQUENCY (PERCENT) = 35.69																						
		WIND DIRECTION FROM																						
SPEED MPH	STABILITY CLASS D	WIND DIRECTION FROM													VRBL	TOTAL								
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W			WNW	NW	NNW	VRBL	TOTAL			
CALM		0	0	0	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	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		21	68	113	69	50	43	38	38	50	50	67	61	53	12	5	4	4	5	9	9	9	0	668
(1)		.46	1.49	2.47	1.51	1.09	.94	.83	.83	1.09	1.46	1.46	1.33	1.16	.26	.11	.09	.11	.20	.20	.20	.20	.00	14.59
(2)		.16	.53	.88	.54	.39	.34	.30	.30	.39	.52	.48	.41	.09	.04	.04	.03	.03	.04	.07	.07	.07	.00	5.21
4-7		79	174	108	29	47	35	66	66	55	49	94	155	91	48	30	30	30	21	46	46	46	0	1127
(1)		1.73	3.80	2.36	.63	1.03	.76	1.44	1.44	1.20	1.07	2.05	3.39	1.99	1.05	.66	.66	.66	.46	1.00	1.00	1.00	.00	24.62
(2)		.62	1.36	.84	.23	.37	.27	.51	.51	.43	.38	.73	1.21	.71	.37	.23	.23	.23	.16	.36	.36	.36	.00	8.79
8-12		161	239	116	20	17	36	74	74	75	75	75	78	145	198	124	115	115	163	157	157	157	0	1793
(1)		3.52	5.22	2.53	.44	.37	.79	1.62	1.62	1.64	1.64	1.70	3.17	4.33	2.71	2.51	2.51	2.51	3.56	3.43	3.43	3.43	.00	39.17
(2)		1.26	1.86	.90	.16	.13	.28	.58	.58	.58	.58	.61	1.13	1.54	.97	.90	.90	.90	1.27	1.22	1.22	1.22	.00	13.98
13-18		31	39	9	4	0	3	29	29	32	17	54	57	174	100	62	62	62	93	54	54	54	0	758
(1)		.68	.85	.20	.09	.00	.07	.63	.63	.70	.37	1.18	1.25	3.80	2.18	1.35	1.35	1.35	2.03	1.18	1.18	1.18	.00	16.56
(2)		.24	.30	.07	.03	.00	.02	.23	.23	.25	.13	.42	.44	1.36	.78	.48	.48	.48	.72	.42	.42	.42	.00	5.91
19-24		0	0	1	1	0	0	8	8	11	11	12	7	78	15	23	23	23	3	3	3	3	0	173
(1)		.00	.00	.02	.02	.00	.00	.17	.17	.24	.24	.26	.15	1.70	.33	.50	.50	.50	.07	.07	.07	.07	.00	3.78
(2)		.00	.00	.01	.01	.00	.00	.06	.06	.09	.09	.09	.05	.61	.12	.18	.18	.18	.02	.02	.02	.02	.00	1.35
GT 24		0	0	0	2	0	0	1	1	4	3	2	0	34	12	0	0	0	1	0	0	0	0	59
(1)		.00	.00	.00	.04	.00	.00	.02	.02	.09	.07	.04	.00	.74	.26	.00	.00	.00	.02	.00	.00	.00	.00	1.29
(2)		.00	.00	.00	.02	.00	.00	.01	.01	.03	.02	.02	.00	.27	.09	.00	.00	.00	.01	.00	.00	.00	.00	.46
ALL SPEEDS		292	520	347	125	114	117	216	216	227	222	301	417	587	304	234	234	234	286	269	269	269	0	4578
(1)		6.38	11.36	7.58	2.73	2.49	2.56	4.72	4.72	4.96	4.85	6.57	9.11	12.82	6.64	5.11	5.11	5.11	6.25	5.88	5.88	5.88	.00	100.00
(2)		2.28	4.05	2.71	.97	.89	.91	1.68	1.68	1.77	1.73	2.35	3.25	4.58	2.37	1.82	1.82	1.82	2.23	2.10	2.10	2.10	.00	35.69

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-78 SSES 197' (60m) 2001-2006 Autumn JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													VRBL		TOTAL	
		CLASS FREQUENCY (PERCENT) = 13.25																
		WIND DIRECTION FROM																
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	
																		STABILITY CLASS F
CALM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
(2)	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
C-3	18	145	163	70	54	46	47	22	34	20	11	5	2	1	3	7	0	648
(1)	1.06	8.53	9.59	4.12	3.18	2.71	2.76	1.29	2.00	1.18	.65	.29	.12	.06	.18	.41	.00	38.12
(2)	.14	1.13	1.27	.55	.42	.36	.37	.17	.27	.16	.09	.04	.02	.01	.02	.05	.00	5.05
4-7	145	457	74	18	13	5	3	11	29	54	48	11	8	6	4	5	0	891
(1)	8.53	26.88	4.35	1.06	.76	.29	.18	.65	1.71	3.18	2.82	.65	.47	.35	.24	.29	.00	52.41
(2)	1.13	3.56	.58	.14	.10	.04	.02	.09	.23	.42	.37	.09	.06	.05	.03	.04	.00	6.95
8-12	9	21	8	0	0	2	0	3	13	30	26	36	0	0	2	1	0	151
(1)	.53	1.24	.47	.00	.00	.12	.00	.18	.76	1.76	1.53	2.12	.00	.00	.12	.06	.00	8.88
(2)	.07	.16	.06	.00	.00	.02	.00	.02	.10	.23	.20	.28	.00	.00	.02	.01	.00	1.18
13-18	0	0	0	0	0	0	0	1	0	0	0	8	0	0	0	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00	.47	.00	.00	.00	.00	.00	.53
(2)	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.06	.00	.00	.00	.00	.00	.07
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	172	623	246	88	67	53	50	37	76	104	85	60	10	7	9	13	0	1700
(1)	10.12	36.65	14.47	5.18	3.94	3.12	2.94	2.18	4.47	6.12	5.00	3.53	.59	.41	.53	.76	.00	100.00
(2)	1.34	4.86	1.92	.69	.52	.41	.39	.29	.59	.81	.66	.47	.08	.05	.07	.10	.00	13.25

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-78 SSES 197' (60m) 2001-2006 Autumn JFD
(Page 7 of 8)

197.0 FT WIND DATA		SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 9.48				
		STABILITY CLASS G													WIND DIRECTION FROM				TOTAL
		SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	19	119	134	66	57	32	36	23	32	16	4	2	0	0	3	1	0	0	544
(1)	1.56	9.79	11.02	5.43	4.69	2.63	2.96	1.89	2.63	1.32	.33	.16	.00	.25	.08	.00	.00	.00	44.74
(2)	.15	.93	1.04	.51	.44	.25	.28	.18	.25	.12	.03	.02	.00	.02	.01	.00	.00	.00	4.24
4-7	102	276	90	16	4	7	8	10	32	34	33	6	2	1	8	1	0	0	630
(1)	8.39	22.70	7.40	1.32	.33	.58	.66	.82	2.63	2.80	2.71	.49	.16	.08	.66	.08	.00	.00	51.81
(2)	.80	2.15	.70	.12	.03	.05	.06	.08	.25	.27	.26	.05	.02	.01	.06	.01	.00	.00	4.91
8-12	2	7	2	0	1	1	0	0	0	9	9	10	0	0	1	0	0	0	42
(1)	.16	.58	.16	.00	.08	.08	.00	.00	.00	.74	.74	.82	.00	.00	.08	.00	.00	.00	3.45
(2)	.02	.05	.02	.00	.01	.01	.00	.00	.00	.07	.07	.08	.00	.00	.01	.00	.00	.00	.33
13-18	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	123	402	226	82	62	40	44	33	64	59	46	18	2	4	10	1	0	0	1216
(1)	10.12	33.06	18.59	6.74	5.10	3.29	3.62	2.71	5.26	4.85	3.78	1.48	.16	.33	.82	.08	.00	.00	100.00
(2)	.96	3.13	1.76	.64	.48	.31	.34	.26	.50	.46	.36	.14	.02	.03	.08	.01	.00	.00	9.48

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Table 2.7-78 SSES 197' (60m) 2001-2006 Autumn JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES FALL 01-06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL		
		STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00																		
SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								W	WNW	NW	NNW	VRBL	
							S	SSW	SW	WSW	SSE	SE	SEE	SSE						SSE
CALM	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3	126	493	592	329	263	215	213	198	236	200	135	39	18	9	11	32	0	0	0	3109
(1)	.98	3.84	4.61	2.56	2.05	1.68	1.66	1.54	1.84	1.56	1.05	.30	.14	.07	.09	.25	.00	.00	.00	24.24
(2)	.98	3.84	4.61	2.56	2.05	1.68	1.66	1.54	1.84	1.56	1.05	.30	.14	.07	.09	.25	.00	.00	.00	24.24
4-7	464	1331	493	149	120	86	123	170	221	337	484	224	103	59	62	80	0	0	0	4506
(1)	3.62	10.38	3.84	1.16	.94	.67	.96	1.33	1.72	2.63	3.77	1.75	.80	.46	.48	.62	.00	.00	.00	35.13
(2)	3.62	10.38	3.84	1.16	.94	.67	.96	1.33	1.72	2.63	3.77	1.75	.80	.46	.48	.62	.00	.00	.00	35.13
8-12	258	463	239	35	31	59	118	152	205	339	472	454	182	154	217	211	0	0	0	3589
(1)	2.01	3.61	1.86	.27	.24	.46	.92	1.18	1.60	2.64	3.68	3.54	1.42	1.20	1.69	1.64	.00	.00	.00	27.98
(2)	2.01	3.61	1.86	.27	.24	.46	.92	1.18	1.60	2.64	3.68	3.54	1.42	1.20	1.69	1.64	.00	.00	.00	27.98
13-18	38	84	31	8	4	8	46	66	65	132	118	326	115	62	98	62	0	0	0	1263
(1)	.30	.65	.24	.06	.03	.06	.36	.51	.51	1.03	.92	2.54	.90	.48	.76	.48	.00	.00	.00	9.85
(2)	.30	.65	.24	.06	.03	.06	.36	.51	.51	1.03	.92	2.54	.90	.48	.76	.48	.00	.00	.00	9.85
19-24	0	1	12	4	0	5	13	21	33	36	12	96	15	23	4	6	0	0	0	281
(1)	.00	.01	.09	.03	.00	.04	.10	.16	.26	.28	.09	.75	.12	.18	.03	.05	.00	.00	.00	2.19
(2)	.00	.01	.09	.03	.00	.04	.10	.16	.26	.28	.09	.75	.12	.18	.03	.05	.00	.00	.00	2.19
GT 24	0	4	0	4	1	1	4	7	5	3	0	36	12	0	1	0	0	0	0	78
(1)	.00	.03	.00	.03	.01	.01	.03	.05	.04	.02	.00	.28	.09	.00	.01	.00	.00	.00	.00	.61
(2)	.00	.03	.00	.03	.01	.01	.03	.05	.04	.02	.00	.28	.09	.00	.01	.00	.00	.00	.00	.61
ALL SPEEDS	886	2376	1368	530	419	374	517	614	765	1047	1221	1175	445	307	393	391	0	0	0	12828
(1)	6.91	18.52	10.66	4.13	3.27	2.92	4.03	4.79	5.96	8.16	9.52	9.16	3.47	2.39	3.06	3.05	.00	.00	.00	100.00
(2)	6.91	18.52	10.66	4.13	3.27	2.92	4.03	4.79	5.96	8.16	9.52	9.16	3.47	2.39	3.06	3.05	.00	.00	.00	100.00

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Table 2.7-79 SSES 197' (60m) 2001-2006 January JFD
(Page 1 of 8)

197.0 FT WIND DATA	SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 1.84																	
	WIND DIRECTION FROM																	
STABILITY CLASS A	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL		
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	0	0	7
(1)	.00	.00	1.22	1.22	.00	1.22	1.22	1.22	.00	.00	1.22	.00	.00	.00	.00	.00	.00	8.54
(2)	.00	.00	.02	.02	.00	.02	.02	.02	.00	.00	.02	.00	.00	.00	.00	.00	.00	.16
4-7	0	0	0	0	0	0	2	11	10	1	0	0	0	0	0	0	0	25
(1)	.00	.00	.00	.00	.00	.00	2.44	13.41	12.20	1.22	.00	.00	.00	.00	.00	.00	.00	30.49
(2)	.00	.00	.00	.00	.00	.00	.04	.25	.22	.02	.00	.00	.00	.00	.00	.00	.00	.56
8-12	0	0	0	0	0	0	0	4	15	2	0	0	0	0	0	0	0	21
(1)	.00	.00	.00	.00	.00	.00	.00	4.88	18.29	2.44	.00	.00	.00	.00	.00	.00	.00	25.61
(2)	.00	.00	.00	.00	.00	.00	.00	.09	.34	.04	.00	.00	.00	.00	.00	.00	.00	.47
13-18	0	0	0	0	0	0	0	0	9	15	3	0	0	0	0	0	0	27
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	18.29	3.66	.00	.00	.00	.00	.00	.00	32.93
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.20	.34	.07	.00	.00	.00	.00	.00	.00	.60
19-24	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.44	.00	.00	.00	.00	.00	.00	.00	2.44
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.04
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	1	0	1	2	3	15	34	21	3	0	0	0	0	0	82
(1)	.00	.00	1.22	1.22	.00	1.22	2.44	3.66	18.29	41.46	25.61	3.66	.00	.00	.00	.00	.00	100.00
(2)	.00	.00	.02	.02	.00	.02	.04	.07	.34	.76	.47	.07	.00	.00	.00	.00	.00	1.84

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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Table 2.7-79 SSES 197' (60m) 2001-2006 January JFD
(Page 2 of 8)

197.0 FT WIND DATA		SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 1.66																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
																			STABILITY CLASS B
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	1.35	.00	1.35	.00	.00	.00	.00	.00	1.35	.00	.00	5.41
(2)	.00	.00	.00	.00	.00	.00	.00	.02	.00	.02	.00	.00	.00	.00	.00	.02	.00	.00	.09
4-7	0	0	2	0	0	1	0	1	1	2	5	2	0	1	0	0	0	0	15
(1)	.00	.00	2.70	.00	.00	1.35	.00	1.35	1.35	2.70	6.76	2.70	.00	1.35	.00	.00	.00	.00	20.27
(2)	.00	.00	.04	.00	.00	.02	.00	.02	.02	.04	.11	.04	.00	.02	.00	.00	.00	.00	.34
8-12	2	4	1	0	0	0	0	0	0	1	6	2	5	0	1	0	0	0	22
(1)	2.70	5.41	1.35	.00	.00	.00	.00	.00	.00	1.35	8.11	2.70	6.76	.00	1.35	.00	.00	.00	29.73
(2)	.04	.09	.02	.00	.00	.00	.00	.00	.00	.02	.13	.04	.11	.00	.02	.00	.00	.00	.49
13-18	0	4	1	0	0	0	0	0	0	0	5	18	3	1	0	0	0	0	32
(1)	.00	5.41	1.35	.00	.00	.00	.00	.00	.00	.00	6.76	24.32	4.05	1.35	.00	.00	.00	.00	43.24
(2)	.00	.09	.02	.00	.00	.00	.00	.00	.00	.00	.11	.40	.07	.02	.00	.00	.00	.00	.72
19-24	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	.00	1.35	.00	.00	.00	.00	.00	1.35
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.02
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	2	8	4	0	1	1	0	2	1	4	16	22	9	2	1	1	0	0	74
(1)	2.70	10.81	5.41	.00	1.35	1.35	.00	2.70	1.35	5.41	21.62	29.73	12.16	2.70	1.35	1.35	.00	.00	100.00
(2)	.04	.18	.09	.00	.02	.02	.00	.04	.02	.09	.36	.49	.20	.04	.02	.02	.00	.00	1.66

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-79 SSES 197' (60m) 2001-2006 January JFD
(Page 3 of 8)

197.0 FT WIND DATA		SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		CLASS FREQUENCY (PERCENT) = 2.49																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS C	WIND DIRECTION FROM													TOTAL			
		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW		NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		0	1	0	2	2	1	0	2	4	1	0	0	0	0	0	0	13
(1)		.00	.90	.00	1.80	1.80	.90	.00	1.80	3.60	.90	.00	.00	.00	.00	.00	.00	11.71
(2)		.00	.02	.00	.04	.04	.02	.00	.04	.09	.02	.00	.00	.00	.00	.00	.00	.29
4-7		0	1	0	0	0	0	0	2	4	5	2	0	1	0	2	0	18
(1)		.00	.90	.00	.00	.00	.00	.00	1.80	3.60	4.50	1.80	.00	.90	.00	1.80	.00	16.22
(2)		.00	.02	.00	.00	.00	.00	.00	.04	.09	.11	.04	.00	.02	.00	.04	.00	.40
8-12		3	8	0	0	0	0	0	0	0	7	10	3	2	2	5	0	40
(1)		2.70	7.21	.00	.00	.00	.00	.00	.00	.00	6.31	9.01	2.70	1.80	1.80	4.50	.00	36.04
(2)		.07	.18	.00	.00	.00	.00	.00	.00	.00	.16	.22	.07	.04	.04	.11	.00	.90
13-18		2	0	0	0	0	0	0	0	0	10	17	7	1	0	1	0	38
(1)		1.80	.00	.00	.00	.00	.00	.00	.00	.00	9.01	15.32	6.31	.90	.00	.90	.00	34.23
(2)		.04	.00	.00	.00	.00	.00	.00	.00	.00	.22	.38	.16	.02	.00	.02	.00	.85
19-24		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	.90	.90	.00	.00	.00	.00	1.80
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00	.04
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		5	10	1	2	2	1	0	4	8	23	30	11	4	2	8	0	111
(1)		4.50	9.01	.90	1.80	1.80	.90	.00	3.60	7.21	20.72	27.03	9.91	3.60	1.80	7.21	.00	100.00
(2)		.11	.22	.02	.04	.04	.02	.00	.09	.18	.52	.67	.25	.09	.04	.18	.00	2.49

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-79 SSES 197' (60m) 2001-2006 January JFD
(Page 4 of 8)

197.0 FT WIND DATA		SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 50.31																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS D	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		4	15	25	21	14	16	15	20	25	24	23	4	2	2	2	3	0	215
(1)		.18	.67	1.11	.93	.62	.71	.67	.89	1.11	1.07	1.02	.18	.09	.09	.09	.13	.00	9.57
(2)		.09	.34	.56	.47	.31	.36	.34	.45	.56	.54	.52	.09	.04	.04	.04	.07	.00	4.82
4-7		48	47	39	15	12	11	26	14	23	47	84	34	26	24	16	23	0	489
(1)		2.14	2.09	1.74	.67	.53	.49	1.16	.62	1.02	2.09	3.74	1.51	1.16	1.07	.71	1.02	.00	21.77
(2)		1.08	1.05	.87	.34	.27	.25	.58	.31	.52	1.05	1.88	.76	.58	.54	.36	.52	.00	10.95
8-12		103	68	60	7	5	6	7	17	15	39	71	109	72	59	94	130	0	862
(1)		4.59	3.03	2.67	.31	.22	.27	.31	.76	.67	1.74	3.16	4.85	3.21	2.63	4.19	5.79	.00	38.38
(2)		2.31	1.52	1.34	.16	.11	.13	.16	.38	.34	.87	1.59	2.44	1.61	1.32	2.11	2.91	.00	19.31
13-18		21	14	13	0	0	3	4	5	1	20	40	234	61	39	71	63	0	589
(1)		.93	.62	.58	.00	.00	.13	.18	.22	.04	.89	1.78	10.42	2.72	1.74	3.16	2.80	.00	26.22
(2)		.47	.31	.29	.00	.00	.07	.09	.11	.02	.45	.90	5.24	1.37	.87	1.59	1.41	.00	13.19
19-24		2	0	0	0	0	1	1	0	0	1	3	42	18	3	4	12	0	87
(1)		.09	.00	.00	.00	.00	.04	.04	.00	.00	.04	.13	1.87	.80	.13	.18	.53	.00	3.87
(2)		.04	.00	.00	.00	.00	.02	.02	.00	.00	.02	.07	.94	.40	.07	.09	.27	.00	1.95
GT 24		0	0	0	0	0	1	1	0	0	0	0	2	0	0	0	0	0	4
(1)		.00	.00	.00	.00	.00	.04	.04	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.18
(2)		.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00	.04	.00	.00	.00	.00	.00	.09
ALL SPEEDS		178	144	137	43	31	38	54	56	64	131	221	425	179	127	187	231	0	2246
(1)		7.93	6.41	6.10	1.91	1.38	1.69	2.40	2.49	2.85	5.83	9.84	18.92	7.97	5.65	8.33	10.28	.00	100.00
(2)		3.99	3.23	3.07	.96	.69	.85	1.21	1.25	1.43	2.93	4.95	9.52	4.01	2.84	4.19	5.17	.00	50.31

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-79 SSES 197' (60m) 2001-2006 January JFD
(Page 5 of 8)

197.0 FT WIND DATA		SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 28.49																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS E	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		10	24	35	17	14	26	33	33	40	20	17	8	8	0	5	7	0	297
(1)		.79	1.89	2.75	1.34	1.10	2.04	2.59	2.59	3.14	1.57	1.34	.63	.63	.00	.39	.55	.00	23.35
(2)		.22	.54	.78	.38	.31	.58	.74	.74	.90	.45	.38	.18	.18	.00	.11	.16	.00	6.65
4-7		41	67	41	22	16	13	17	12	36	49	64	22	23	14	13	15	0	465
(1)		3.22	5.27	3.22	1.73	1.26	1.02	1.34	.94	2.83	3.85	5.03	1.73	1.81	1.10	1.02	1.18	.00	36.56
(2)		.92	1.50	.92	.49	.36	.29	.38	.27	.81	1.10	1.43	.49	.52	.31	.29	.34	.00	10.42
8-12		22	37	30	3	7	8	0	5	7	33	77	84	13	4	21	18	0	369
(1)		1.73	2.91	2.36	.24	.55	.63	.00	.39	.55	2.59	6.05	6.60	1.02	.31	1.65	1.42	.00	29.01
(2)		.49	.83	.67	.07	.16	.18	.00	.11	.16	.74	1.72	1.88	.29	.09	.47	.40	.00	8.27
13-18		4	12	8	0	0	0	0	1	3	12	20	56	5	1	2	0	0	124
(1)		.31	.94	.63	.00	.00	.00	.00	.08	.24	.94	1.57	4.40	.39	.08	.16	.00	.00	9.75
(2)		.09	.27	.18	.00	.00	.00	.00	.02	.07	.27	.45	1.25	.11	.02	.04	.00	.00	2.78
19-24		0	1	0	0	0	0	0	1	2	3	2	1	2	0	0	0	0	12
(1)		.00	.08	.00	.00	.00	.00	.00	.08	.16	.24	.16	.08	.16	.00	.00	.00	.00	.94
(2)		.00	.02	.00	.00	.00	.00	.00	.02	.04	.07	.04	.02	.04	.00	.00	.00	.00	.27
GT 24		0	0	0	0	0	0	1	1	1	2	0	0	0	0	0	0	0	5
(1)		.00	.00	.00	.00	.00	.00	.08	.08	.08	.16	.00	.00	.00	.00	.00	.00	.00	.39
(2)		.00	.00	.00	.00	.00	.00	.02	.02	.02	.04	.00	.00	.00	.00	.00	.00	.00	.11
ALL SPEEDS		77	141	114	42	37	47	51	53	89	119	180	171	51	19	41	40	0	1272
(1)		6.05	11.08	8.96	3.30	2.91	3.69	4.01	4.17	7.00	9.36	14.15	13.44	4.01	1.49	3.22	3.14	.00	100.00
(2)		1.72	3.16	2.55	.94	.83	1.05	1.14	1.19	1.99	2.67	4.03	3.83	1.14	.43	.92	.90	.00	28.49

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-79 SSES 197' (60m) 2001-2006 January JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 8.49							
		STABILITY CLASS F													WIND DIRECTION FROM				TOTAL			
		SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL		
CALM	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	.00			
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
C-3	11	29	38	21	13	11	11	5	6	8	2	2	2	2	0	1	3	0	170			
(1)	2.90	7.65	10.03	5.54	3.43	2.90	2.90	1.32	1.58	2.11	.53	.53	.53	.53	.00	.26	.79	.00	44.85			
(2)	.25	.65	.85	.47	.29	.25	.25	.11	.13	.18	.04	.04	.04	.04	.00	.02	.07	.00	3.81			
4-7	12	45	15	4	1	2	2	3	16	15	25	3	2	2	2	2	1	0	151			
(1)	3.17	11.87	3.96	1.06	.79	.53	.53	.79	4.22	3.96	6.60	.79	.53	.53	.53	.53	.26	.00	39.84			
(2)	.27	1.01	.34	.09	.07	.04	.04	.07	.36	.34	.56	.07	.04	.04	.04	.04	.02	.00	3.38			
8-12	0	0	1	0	0	0	0	0	2	1	20	23	0	1	1	0	0	0	49			
(1)	.00	.00	.26	.00	.00	.00	.00	.00	.53	.26	5.28	6.07	.00	.26	.26	.00	.00	.00	12.93			
(2)	.00	.00	.02	.00	.00	.00	.00	.00	.04	.02	.45	.52	.00	.02	.02	.00	.00	.00	1.10			
13-18	0	0	0	0	0	0	0	0	1	0	2	6	0	0	0	0	0	0	9			
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.26	.00	.53	1.58	.00	.00	.00	.00	.00	.00	2.37			
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.04	.13	.00	.00	.00	.00	.00	.00	.20			
19-24	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	.00			
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
GT 24	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	.00			
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
ALL SPEEDS	23	74	54	25	14	13	13	8	25	24	49	34	4	3	4	4	4	0	379			
(1)	6.07	19.53	14.25	6.60	5.54	3.43	3.43	2.11	6.60	6.33	12.93	8.97	1.06	.79	1.06	1.06	1.06	.00	100.00			
(2)	.52	1.66	1.21	.56	.47	.29	.29	.18	.56	.54	1.10	.76	.09	.07	.09	.09	.09	.00	8.49			

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-79 SSES 197' (60m) 2001-2006 January JFD
(Page 7 of 8)

197.0 FT WIND DATA		SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 6.72																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		2	25	30	11	8	12	8	8	5	3	0	1	0	1	0	0	0	114
(1)		.67	8.33	10.00	3.67	2.67	4.00	2.67	2.67	1.67	1.00	.00	.33	.00	.33	.00	.00	.00	38.00
(2)		.04	.56	.67	.25	.18	.27	.18	.18	.11	.07	.00	.02	.00	.02	.00	.00	.00	2.55
4-7		31	50	17	3	0	1	2	4	15	15	10	2	0	0	0	0	0	150
(1)		10.33	16.67	5.67	1.00	.00	.33	.67	1.33	5.00	5.00	3.33	.67	.00	.00	.00	.00	.00	50.00
(2)		.69	1.12	.38	.07	.00	.02	.04	.09	.34	.34	.22	.04	.00	.00	.00	.00	.00	3.36
8-12		0	0	0	0	0	0	0	0	2	10	7	7	0	0	1	0	0	27
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.67	3.33	2.33	2.33	.00	.00	.33	.00	.00	9.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.04	.22	.16	.16	.00	.00	.02	.00	.00	.60
13-18		0	0	0	0	0	0	0	0	0	1	1	7	0	0	0	0	0	9
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.33	.33	2.33	.00	.00	.00	.00	.00	3.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.16	.00	.00	.00	.00	.00	.20
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	75	47	14	8	13	10	12	22	29	18	17	0	1	1	0	0	300
(1)		11.00	25.00	15.67	4.67	2.67	4.33	3.33	4.00	7.33	9.67	6.00	5.67	.00	.33	.33	.00	.00	100.00
(2)		.74	1.68	1.05	.31	.18	.29	.22	.27	.49	.65	.40	.38	.00	.02	.02	.00	.00	6.72

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-79 SSES 197' (60m) 2001-2006 January JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES JANUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 100.00																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
																			STABILITY CLASS ALL
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	27	94	129	71	58	69	69	68	79	60	43	16	12	3	8	14	0	820	0
(1)	.60	2.11	2.89	1.59	1.30	1.55	1.55	1.52	1.77	1.34	.96	.36	.27	.07	.18	.31	.00	18.37	.00
(2)	.60	2.11	2.89	1.59	1.30	1.55	1.55	1.52	1.77	1.34	.96	.36	.27	.07	.18	.31	.00	18.37	.00
4-7	132	210	115	44	31	27	47	35	95	143	203	66	51	42	31	41	0	1313	0
(1)	2.96	4.70	2.58	.99	.69	.60	1.05	.78	2.13	3.20	4.55	1.48	1.14	.94	.69	.92	.00	29.41	.00
(2)	2.96	4.70	2.58	.99	.69	.60	1.05	.78	2.13	3.20	4.55	1.48	1.14	.94	.69	.92	.00	29.41	.00
8-12	130	117	92	10	12	14	7	22	26	88	203	237	93	66	120	153	0	1390	0
(1)	2.91	2.62	2.06	.22	.27	.31	.16	.49	.58	1.97	4.55	5.31	2.08	1.48	2.69	3.43	.00	31.14	.00
(2)	2.91	2.62	2.06	.22	.27	.31	.16	.49	.58	1.97	4.55	5.31	2.08	1.48	2.69	3.43	.00	31.14	.00
13-18	27	30	22	0	0	3	4	6	5	33	87	353	79	42	73	64	0	828	0
(1)	.60	.67	.49	.00	.00	.07	.09	.13	.11	.74	1.95	7.91	1.77	.94	1.64	1.43	.00	18.55	.00
(2)	.60	.67	.49	.00	.00	.07	.09	.13	.11	.74	1.95	7.91	1.77	.94	1.64	1.43	.00	18.55	.00
19-24	2	1	0	0	0	1	1	1	2	4	5	46	22	3	4	12	0	104	0
(1)	.04	.02	.00	.00	.00	.02	.02	.02	.04	.09	.11	1.03	.49	.07	.09	.27	.00	2.33	.00
(2)	.04	.02	.00	.00	.00	.02	.02	.02	.04	.09	.11	1.03	.49	.07	.09	.27	.00	2.33	.00
GT 24	0	0	0	0	0	1	2	1	1	2	0	2	0	0	0	0	0	9	0
(1)	.00	.00	.00	.00	.00	.02	.04	.02	.02	.04	.00	.04	.00	.00	.00	.00	.00	.20	.00
(2)	.00	.00	.00	.00	.00	.02	.04	.02	.02	.04	.00	.04	.00	.00	.00	.00	.00	.20	.00
ALL SPEEDS	318	452	358	125	101	115	130	133	208	330	541	720	257	156	236	284	0	4464	0
(1)	7.12	10.13	8.02	2.80	2.26	2.58	2.91	2.98	4.66	7.39	12.12	16.13	5.76	3.49	5.29	6.36	.00	100.00	.00
(2)	7.12	10.13	8.02	2.80	2.26	2.58	2.91	2.98	4.66	7.39	12.12	16.13	5.76	3.49	5.29	6.36	.00	100.00	.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-80 SSES 197' (60m) 2001-2006 February JFD

(Page 1 of 8)

197.0 FT WIND DATA		SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 3.77																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS A	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	1	0	0	1	0	1	1	0	1	0	0	0	0	0	0	5
(1)	.00	.00	.00	.65	.00	.65	.00	.65	.65	.65	.00	.65	.65	.00	.00	.00	.00	.00	3.27
(2)	.00	.00	.00	.02	.00	.02	.00	.00	.02	.02	.00	.02	.02	.00	.00	.00	.00	.00	.12
4-7	0	1	7	1	0	2	1	2	1	1	15	14	1	2	0	0	0	0	47
(1)	.00	.65	4.58	.65	.00	1.31	.65	1.31	.65	.65	9.80	9.15	.65	1.31	.00	.00	.00	.00	30.72
(2)	.00	.02	.17	.02	.00	.05	.02	.05	.02	.02	.37	.35	.02	.05	.00	.00	.00	.00	1.16
8-12	0	1	3	0	0	0	4	2	4	1	3	26	8	2	0	0	0	0	50
(1)	.00	.65	1.96	.00	.00	.00	2.61	1.31	2.61	.65	1.96	16.99	5.23	1.31	.00	.00	.00	.00	32.68
(2)	.00	.02	.07	.00	.00	.00	.10	.05	.10	.02	.07	.64	.20	.05	.00	.00	.00	.00	1.23
13-18	0	2	0	0	0	0	0	0	0	3	4	19	15	2	1	0	0	0	46
(1)	.00	1.31	.00	.00	.00	.00	.00	.00	.00	1.96	2.61	12.42	9.80	1.31	.65	.00	.00	.00	30.07
(2)	.00	.05	.00	.00	.00	.00	.00	.00	.00	.07	.10	.47	.37	.05	.02	.00	.00	.00	1.13
19-24	0	0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.65	.00	2.61	.00	.00	.00	.00	.00	3.27
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.10	.00	.00	.00	.00	.00	.12
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	4	10	2	0	3	4	5	6	6	24	59	29	6	1	0	0	0	153
(1)	.00	2.61	6.54	1.31	.00	1.96	2.61	3.27	3.92	3.92	15.69	38.56	18.95	3.92	.65	.00	.00	.00	100.00
(2)	.00	.10	.25	.05	.00	.07	.10	.12	.15	.15	.59	1.45	.71	.15	.02	.00	.00	.00	3.77

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-80 SSES 197' (60m) 2001-2006 February JFD
(Page 2 of 8)

197.0 FT WIND DATA		SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 3.16																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS B	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		0	0	1	1	1	1	0	2	1	1	0	0	0	0	0	0	0	9
(1)		.00	.00	.78	.78	.78	.78	.00	1.56	.78	.78	.00	.00	.00	.00	.00	.00	.00	7.03
(2)		.00	.00	.02	.02	.02	.02	.00	.05	.02	.02	.00	.00	.00	.00	.00	.00	.00	.22
4-7		0	2	5	0	1	0	2	1	0	4	7	1	0	0	1	1	0	25
(1)		.00	1.56	3.91	.00	.78	.00	1.56	.78	.00	3.13	5.47	.78	.00	.00	.78	.78	.00	19.53
(2)		.00	.05	.12	.00	.02	.00	.05	.00	.02	.10	.17	.02	.00	.00	.02	.02	.00	.62
8-12		5	5	7	0	1	0	0	1	0	0	11	10	2	0	1	0	0	43
(1)		3.91	3.91	5.47	.00	.78	.00	.00	.78	.00	.00	8.59	7.81	1.56	.00	.78	.00	.00	33.59
(2)		.12	.12	.17	.00	.02	.00	.00	.02	.00	.00	.27	.25	.05	.00	.02	.00	.00	1.06
13-18		0	2	2	0	0	0	0	1	0	6	17	19	0	0	0	0	0	47
(1)		.00	1.56	1.56	.00	.00	.00	.00	.78	.00	4.69	13.28	14.84	.00	.00	.00	.00	.00	36.72
(2)		.00	.05	.05	.00	.00	.00	.00	.02	.00	.15	.42	.47	.00	.00	.00	.00	.00	1.16
19-24		0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	4
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	1.56	.00	1.56	.00	.00	.00	.00	.00	3.13
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.00	.00	.00	.00	.00	.10
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	9	15	1	3	1	3	4	13	36	32	2	2	0	2	1	0	128
(1)		3.91	7.03	11.72	.78	2.34	.78	2.34	3.13	10.16	28.13	25.00	1.56	1.56	.00	1.56	.78	.00	100.00
(2)		.12	.22	.37	.02	.07	.02	.07	.10	.32	.89	.79	.05	.05	.00	.05	.02	.00	3.16

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-80 SSES 197' (60m) 2001-2006 February JFD
(Page 3 of 8)

197.0 FT WIND DATA	SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 4.14																	
	WIND DIRECTION FROM																	
STABILITY CLASS C	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
SPEED MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	3	1	4	1	0	2	2	1	1	0	1	0	0	0	0	17
(1)	.00	.60	1.79	.60	2.38	.60	.00	1.19	1.19	.60	.60	.00	.60	.00	.00	.00	.00	10.12
(2)	.00	.02	.07	.02	.10	.02	.00	.05	.05	.02	.02	.00	.02	.00	.00	.00	.00	.42
4-7	1	5	3	7	3	0	3	0	3	4	10	4	1	1	0	0	0	45
(1)	.60	2.98	1.79	4.17	1.79	.00	1.79	.00	1.79	2.38	5.95	2.38	.60	.60	.00	.00	.00	26.79
(2)	.02	.12	.07	.17	.07	.00	.07	.00	.07	.10	.25	.10	.02	.02	.00	.00	.00	1.11
8-12	5	9	1	1	0	0	1	0	3	6	12	7	2	1	1	0	0	49
(1)	2.98	5.36	.60	.60	.00	.00	.60	.00	1.79	3.57	7.14	4.17	1.19	.60	.60	.00	.00	29.17
(2)	.12	.22	.02	.02	.00	.00	.02	.00	.07	.15	.30	.17	.05	.02	.02	.00	.00	1.21
13-18	1	0	3	0	0	0	0	0	1	2	10	18	7	1	2	3	0	48
(1)	.60	.00	1.79	.00	.00	.00	.00	.00	.60	1.19	5.95	10.71	4.17	.60	1.19	1.79	.00	28.57
(2)	.02	.00	.07	.00	.00	.00	.00	.00	.02	.05	.25	.44	.17	.02	.05	.07	.00	1.18
19-24	0	0	0	0	0	0	0	0	0	2	0	4	2	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.19	.00	2.38	1.19	.00	.00	.00	.00	4.76
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.10	.05	.00	.00	.00	.00	.20
GT 24	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	.60	.00	.00	.00	.00	.00	.00	.60
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00	.00	.02
ALL SPEEDS	7	15	10	9	7	1	4	2	9	15	33	34	13	3	3	3	0	168
(1)	4.17	8.93	5.95	5.36	4.17	.60	2.38	1.19	5.36	8.93	19.64	20.24	7.74	1.79	1.79	1.79	.00	100.00
(2)	.17	.37	.25	.22	.17	.02	.10	.05	.22	.37	.81	.84	.32	.07	.07	.07	.00	4.14

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-80 SSES 197' (60m) 2001-2006 February JFD
(Page 4 of 8)

197.0 FT WIND DATA	SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 46.57																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS D																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	10	20	16	20	8	5	16	14	12	12	18	3	1	1	0	2	0	158
(1)	.53	1.06	.85	1.06	.42	.26	.85	.74	.64	.64	.95	.16	.05	.05	.00	.11	.00	8.36
(2)	.25	.49	.39	.49	.20	.12	.39	.35	.30	.30	.44	.07	.02	.02	.00	.05	.00	3.90
4-7	25	34	37	22	17	17	17	14	13	18	45	26	13	11	17	13	0	339
(1)	1.32	1.80	1.96	1.16	.90	.90	.90	.74	.69	.95	2.38	1.38	.69	.58	.90	.69	.00	17.95
(2)	.62	.84	.91	.54	.42	.42	.42	.35	.32	.44	1.11	.64	.32	.27	.42	.32	.00	8.36
8-12	47	54	33	6	7	6	14	25	16	18	41	68	75	53	130	91	0	684
(1)	2.49	2.86	1.75	.32	.37	.32	.74	1.32	.85	.95	2.17	3.60	3.97	2.81	6.88	4.82	.00	36.21
(2)	1.16	1.33	.81	.15	.17	.15	.35	.62	.39	.44	1.01	1.68	1.85	1.31	3.21	2.24	.00	16.86
13-18	9	15	5	2	2	1	4	3	14	19	44	142	77	58	98	78	0	571
(1)	.48	.79	.26	.11	.11	.05	.21	.16	.74	1.01	2.33	7.52	4.08	3.07	5.19	4.13	.00	30.23
(2)	.22	.37	.12	.05	.05	.02	.10	.07	.35	.47	1.08	3.50	1.90	1.43	2.42	1.92	.00	14.08
19-24	0	0	0	0	0	1	0	0	0	5	6	67	23	6	9	4	0	121
(1)	.00	.00	.00	.00	.00	.05	.00	.00	.00	.26	.32	3.55	1.22	.32	.48	.21	.00	6.41
(2)	.00	.00	.00	.00	.00	.02	.00	.00	.00	.12	.15	1.65	.57	.15	.22	.10	.00	2.98
GT 24	0	0	0	0	0	0	0	0	0	0	0	10	6	0	0	0	0	16
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.53	.32	.00	.00	.00	.00	.85
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.15	.00	.00	.00	.00	.39
ALL SPEEDS	91	123	91	50	34	30	51	56	55	72	154	316	195	129	254	188	0	1889
(1)	4.82	6.51	4.82	2.65	1.80	1.59	2.70	2.96	2.91	3.81	8.15	16.73	10.32	6.83	13.45	9.95	.00	100.00
(2)	2.24	3.03	2.24	1.23	.84	.74	1.26	1.38	1.36	1.78	3.80	7.79	4.81	3.18	6.26	4.64	.00	46.57

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Table 2.7-80 SSES 197' (60m) 2001-2006 February JFD
(Page 5 of 8)

197.0 FT WIND DATA		SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL				
		CLASS FREQUENCY (PERCENT) = 26.38																				
		WIND DIRECTION FROM																				
SPEED MPH	STABILITY CLASS E	WIND DIRECTION FROM																TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL			
CALM		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	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		11	21	36	20	17	13	12	15	15	24	21	10	2	2	1	4	4	0	0	224	
(1)		1.03	1.96	3.36	1.87	1.59	1.21	1.12	1.40	1.40	2.24	1.96	.93	.19	.19	.09	.37	.00	.00	.00	20.93	
(2)		.27	.52	.89	.49	.42	.32	.30	.37	.37	.59	.52	.25	.05	.05	.02	.10	.00	.00	.00	5.52	
4-7		27	50	38	17	13	12	12	15	21	42	62	26	13	10	7	7	0	0	0	375	
(1)		2.52	4.67	3.55	1.59	1.21	1.12	1.12	1.40	1.96	3.93	5.79	2.43	1.21	.93	.65	.65	.00	.00	.00	35.05	
(2)		.67	1.23	.94	.42	.32	.30	.30	.37	.52	1.04	1.53	.64	.32	.25	.17	.17	.00	.00	.00	9.25	
8-12		24	15	17	8	2	4	11	18	12	31	87	76	6	3	26	11	0	0	0	351	
(1)		2.24	1.40	1.59	.75	.19	.37	1.03	1.68	1.12	2.90	8.13	7.10	.56	.28	2.43	1.03	.00	.00	.00	32.80	
(2)		.59	.37	.42	.20	.05	.10	.27	.44	.30	.76	2.14	1.87	.15	.07	.64	.27	.00	.00	.00	8.65	
13-18		0	7	0	1	1	1	1	1	2	20	14	48	4	0	4	1	0	0	0	105	
(1)		.00	.65	.00	.09	.09	.09	.09	.09	.19	1.87	1.31	4.49	.37	.00	.37	.09	.00	.00	.00	9.81	
(2)		.00	.17	.00	.02	.02	.02	.02	.02	.05	.49	.35	1.18	.10	.00	.10	.02	.00	.00	.00	2.59	
19-24		0	0	0	0	0	0	3	1	2	5	0	3	0	0	0	0	0	0	0	14	
(1)		.00	.00	.00	.00	.00	.00	.28	.09	.19	.47	.00	.28	.00	.00	.00	.00	.00	.00	.00	1.31	
(2)		.00	.00	.00	.00	.00	.00	.07	.02	.05	.12	.00	.07	.00	.00	.00	.00	.00	.00	.00	.35	
GT 24		0	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	.00	.00	.09	.00	.00	.00	.00	.00	.00	.09	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.02	
ALL SPEEDS		62	93	91	46	33	30	39	50	52	122	184	163	26	15	41	23	0	0	0	1070	
(1)		5.79	8.69	8.50	4.30	3.08	2.80	3.64	4.67	4.86	11.40	17.20	15.23	2.43	1.40	3.83	2.15	.00	.00	.00	100.00	
(2)		1.53	2.29	2.24	1.13	.81	.74	.96	1.23	1.28	3.01	4.54	4.02	.64	.37	1.01	.57	.00	.00	.00	26.38	

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Table 2.7-80 SSES 197' (60m) 2001-2006 February JFD
(Page 6 of 8)

197.0 FT WIND DATA	SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL									
	CLASS FREQUENCY (PERCENT) = 9.54																						
	WIND DIRECTION FROM																						
STABILITY CLASS F	WIND DIRECTION FROM													VRBL	TOTAL								
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL					
CALM	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	.00	.00			
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		
C-3	5	31	26	13	16	12	9	13	11	4	1	0	0	1	0	0	0	0	142	36.69			
(1)	1.29	8.01	6.72	3.36	4.13	3.10	2.33	3.36	2.84	1.03	.26	.00	.00	.26	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.12	.76	.64	.32	.39	.30	.22	.32	.27	.10	.02	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	
4-7	24	71	27	2	3	2	4	6	17	17	21	2	0	2	1	3	0	0	202	52.20			
(1)	6.20	18.35	6.98	.52	.78	.52	1.03	1.55	4.39	4.39	5.43	.52	.00	.52	.26	.78	.00	.00	.00	.00	.00	.00	.00
(2)	.59	1.75	.67	.05	.07	.05	.10	.15	.42	.42	.52	.05	.00	.05	.02	.07	.00	.00	.00	.00	.00	.00	.00
8-12	0	6	3	0	0	0	0	0	3	7	6	14	0	0	0	2	0	0	41	10.59			
(1)	.00	1.55	.78	.00	.00	.00	.00	.00	.78	1.81	1.55	3.62	.00	.00	.00	.52	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.15	.07	.00	.00	.00	.00	.00	.07	.17	.15	.35	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00
13-18	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	.26			
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	.26			
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	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	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	29	108	56	15	19	14	13	19	31	30	28	16	0	3	1	5	0	0	387	100.00			
(1)	7.49	27.91	14.47	3.88	4.91	3.62	3.36	4.91	8.01	7.75	7.24	4.13	.00	.78	.26	1.29	.00	.00	.00	.00	.00	.00	.00
(2)	.71	2.66	1.38	.37	.47	.35	.32	.47	.76	.74	.69	.39	.00	.07	.02	.12	.00	.00	.00	.00	.00	.00	.00

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Table 2.7-80 SSES 197' (60m) 2001-2006 February JFD
(Page 7 of 8)

197.0 FT WIND DATA	SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 6.43																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G													TOTAL				
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	6	18	19	16	12	13	5	7	6	4	3	0	1	0	1	1	0	112
(1)	2.30	6.90	7.28	6.13	4.60	4.98	1.92	2.68	2.30	1.53	1.15	.00	.38	.00	.38	.38	.00	42.91
(2)	.15	.44	.47	.39	.30	.32	.12	.17	.15	.10	.07	.00	.02	.00	.02	.02	.00	2.76
4-7	36	46	14	3	5	1	1	1	8	8	6	4	1	0	2	0	0	136
(1)	13.79	17.62	5.36	1.15	1.92	.38	.38	.38	3.07	3.07	2.30	1.53	.38	.00	.77	.00	.00	52.11
(2)	.89	1.13	.35	.07	.12	.02	.02	.02	.20	.20	.15	.10	.02	.00	.05	.00	.00	3.35
8-12	0	3	0	0	0	0	0	0	1	3	0	4	0	0	2	0	0	13
(1)	.00	1.15	.00	.00	.00	.00	.00	.00	.38	1.15	.00	1.53	.00	.00	.77	.00	.00	4.98
(2)	.00	.07	.00	.00	.00	.00	.00	.00	.02	.07	.00	.10	.00	.00	.05	.00	.00	.32
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	42	67	33	19	17	14	6	8	15	15	9	8	2	0	5	1	0	261
(1)	16.09	25.67	12.64	7.28	6.51	5.36	2.30	3.07	5.75	5.75	3.45	3.07	.77	.00	1.92	.38	.00	100.00
(2)	1.04	1.65	.81	.47	.42	.35	.15	.20	.37	.37	.22	.20	.05	.00	.12	.02	.00	6.43

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Table 2.7-80 SSES 197' (60m) 2001-2006 February JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES FEBRUARY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL			
		STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00																			
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	WIND DIRECTION FROM								NNW	VRBL			
									S	SSW	SW	WSW	W	WNW	NW	NNW			VRBL	TOTAL	
CALM	0	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	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	32	91	101	72	58	46	43	51	49	47	45	14	5	4	4	2	7	7	0	667	
(1)	.79	2.24	2.49	1.78	1.43	1.13	1.06	1.26	1.21	1.16	1.11	.35	.12	.10	.10	.05	.17	.17	.00	16.44	
(2)	.79	2.24	2.49	1.78	1.43	1.13	1.06	1.26	1.21	1.16	1.11	.35	.12	.10	.10	.05	.17	.17	.00	16.44	
4-7	113	209	131	52	42	34	41	38	63	108	165	64	30	24	31	24	0	0	0	1169	
(1)	2.79	5.15	3.23	1.28	1.04	.84	1.01	.94	1.55	2.66	4.07	1.58	.74	.59	.76	.59	.00	.00	.00	28.82	
(2)	2.79	5.15	3.23	1.28	1.04	.84	1.01	.94	1.55	2.66	4.07	1.58	.74	.59	.76	.59	.00	.00	.00	28.82	
8-12	81	93	64	15	10	10	28	47	37	68	183	187	87	57	160	104	0	0	0	1231	
(1)	2.00	2.29	1.58	.37	.25	.25	.69	1.16	.91	1.68	4.51	4.61	2.14	1.41	3.94	2.56	.00	.00	.00	30.35	
(2)	2.00	2.29	1.58	.37	.25	.25	.69	1.16	.91	1.68	4.51	4.61	2.14	1.41	3.94	2.56	.00	.00	.00	30.35	
13-18	10	26	10	3	3	2	5	4	21	52	104	242	90	60	104	82	0	0	0	818	
(1)	.25	.64	.25	.07	.07	.05	.12	.10	.52	1.28	2.56	5.97	2.22	1.48	2.56	2.02	.00	.00	.00	20.17	
(2)	.25	.64	.25	.07	.07	.05	.12	.10	.52	1.28	2.56	5.97	2.22	1.48	2.56	2.02	.00	.00	.00	20.17	
19-24	0	0	0	0	0	1	3	1	2	16	6	80	25	6	9	4	0	0	0	153	
(1)	.00	.00	.00	.00	.00	.02	.07	.02	.05	.39	.15	1.97	.62	.15	.22	.10	.00	.00	.00	3.77	
(2)	.00	.00	.00	.00	.00	.02	.07	.02	.05	.39	.15	1.97	.62	.15	.22	.10	.00	.00	.00	3.77	
GT 24	0	0	0	0	0	0	0	0	0	0	0	11	7	0	0	0	0	0	0	18	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27	.17	.00	.00	.00	.00	.00	.00	.44	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27	.17	.00	.00	.00	.00	.00	.00	.44	
ALL SPEEDS	236	419	306	142	113	93	120	141	172	291	503	598	244	151	306	221	0	0	0	4056	
(1)	5.82	10.33	7.54	3.50	2.79	2.29	2.96	3.48	4.24	7.17	12.40	14.74	6.02	3.72	7.54	5.45	.00	.00	.00	100.00	
(2)	5.82	10.33	7.54	3.50	2.79	2.29	2.96	3.48	4.24	7.17	12.40	14.74	6.02	3.72	7.54	5.45	.00	.00	.00	100.00	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-81 SSES 197' (60m) 2001-2006 March JFD

(Page 1 of 8)

197.0 FT WIND DATA	SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL		
	STABILITY CLASS A																		
	CLASS FREQUENCY (PERCENT) = 5.69																		
SPEED MPH	WIND DIRECTION FROM																VRBL	TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW			
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	1	0	0	3	2	1	2	1	6	0	1	0	0	0	0	0	17
(1)	.00	.00	.39	.00	.00	1.18	.79	.39	.79	.39	2.36	.00	.39	.00	.00	.00	.00	.00	6.69
(2)	.00	.00	.02	.00	.00	.07	.04	.02	.04	.02	.13	.00	.02	.00	.00	.00	.00	.00	.38
4-7	0	2	5	1	1	0	3	3	4	4	17	12	0	0	2	1	0	0	65
(1)	.00	.79	1.97	.39	.39	.00	1.18	1.18	1.57	5.51	6.69	4.72	.00	.00	.79	.39	.00	.00	25.59
(2)	.00	.04	.11	.02	.02	.00	.07	.07	.09	.31	.38	.27	.00	.00	.04	.02	.00	.00	1.46
8-12	0	4	3	1	0	1	13	3	4	12	15	21	5	3	2	1	0	0	88
(1)	.00	1.57	1.18	.39	.00	.39	5.12	1.18	1.57	4.72	5.91	8.27	1.97	1.18	.79	.39	.00	.00	34.65
(2)	.00	.09	.07	.02	.00	.02	.29	.07	.09	.27	.34	.47	.11	.07	.04	.02	.00	.00	1.97
13-18	0	0	1	0	0	0	2	2	6	20	20	18	3	0	2	1	0	0	75
(1)	.00	.00	.39	.00	.00	.00	.79	.79	2.36	7.87	7.87	7.09	1.18	.00	.79	.39	.00	.00	29.53
(2)	.00	.00	.02	.00	.00	.00	.04	.04	.13	.45	.45	.40	.07	.00	.04	.02	.00	.00	1.68
19-24	0	0	0	0	0	0	0	0	0	4	2	2	0	0	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.57	.79	.79	.00	.00	.00	.00	.00	.00	3.15
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.04	.04	.00	.00	.00	.00	.00	.00	.18
GT 24	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	.00	.39	.00	.00	.00	.00	.00	.00	.00	.39
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02
ALL SPEEDS	0	6	10	2	1	4	20	9	16	51	61	53	9	3	6	3	0	0	254
(1)	.00	2.36	3.94	.79	.39	1.57	7.87	3.54	6.30	20.08	24.02	20.87	3.54	1.18	2.36	1.18	.00	.00	100.00
(2)	.00	.13	.22	.04	.02	.09	.45	.20	.36	1.14	1.37	1.19	.20	.07	.13	.07	.00	.00	5.69

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-81 SSES 197' (60m) 2001-2006 March JFD
(Page 2 of 8)

197.0 FT WIND DATA		SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL					
		CLASS FREQUENCY (PERCENT) = 3.23																		
		WIND DIRECTION FROM																		
SPEED MPH	STABILITY CLASS B	WIND DIRECTION FROM													TOTAL					
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL	
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		0	1	0	2	2	0	1	2	2	1	0	0	0	0	0	0	0	0	11
(1)		.00	.69	.00	1.39	1.39	.69	.69	1.39	1.39	.69	.00	.00	.00	.00	.00	.00	.00	.00	7.64
(2)		.00	.02	.00	.04	.04	.00	.02	.04	.04	.02	.00	.00	.00	.00	.00	.00	.00	.00	.25
4-7		2	1	4	1	1	1	4	0	3	2	1	1	1	1	0	0	0	0	23
(1)		1.39	.69	2.78	.69	.69	.69	.00	.00	2.08	1.39	.69	.69	.69	.69	.00	.00	.00	.00	15.97
(2)		.04	.02	.09	.02	.02	.00	.09	.00	.07	.04	.02	.02	.02	.02	.00	.00	.00	.00	.52
8-12		3	0	2	0	2	1	3	4	4	10	6	2	4	4	6	4	6	0	57
(1)		2.08	.00	1.39	.00	1.39	.69	2.08	2.78	2.78	6.94	4.17	1.39	2.78	2.78	4.17	2.78	4.17	.00	39.58
(2)		.07	.00	.04	.00	.04	.02	.07	.09	.09	.22	.13	.04	.09	.09	.13	.09	.13	.00	1.28
13-18		0	0	0	0	0	0	1	0	2	4	10	17	6	0	0	0	0	0	45
(1)		.00	.00	.00	.00	.00	.00	.69	.00	1.39	6.94	11.81	4.17	4.17	2.08	1.39	2.08	1.39	.00	31.25
(2)		.00	.00	.00	.00	.00	.00	.02	.00	.04	.22	.38	.13	.13	.07	.04	.07	.04	.00	1.01
19-24		0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	4
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.69	2.08	.00	.00	.00	.00	.00	.00	.00	2.78
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.07	.00	.00	.00	.00	.00	.00	.00	.09
GT 24		0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	2.78	.00	.00	.00	.00	.00	.00	.00	.00	2.78
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.09
ALL SPEEDS		5	2	6	1	5	4	4	9	10	13	28	27	9	5	8	8	8	0	144
(1)		3.47	1.39	4.17	.69	3.47	2.78	2.78	6.25	6.94	9.03	19.44	18.75	6.25	3.47	5.56	5.56	5.56	.00	100.00
(2)		.11	.04	.13	.02	.11	.09	.09	.20	.22	.29	.63	.60	.20	.11	.18	.18	.18	.00	3.23

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-81 SSES 197' (60m) 2001-2006 March JFD
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197.0 FT WIND DATA	SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 3.92																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS C													TOTAL				
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	3	2	0	0	1	1	4	1	0	1	0	0	0	0	0	13
(1)	.00	.00	1.71	1.14	.00	.00	.57	.57	2.29	.57	.00	.57	.00	.00	.00	.00	.00	7.43
(2)	.00	.00	.07	.04	.00	.00	.02	.02	.09	.02	.00	.02	.00	.00	.00	.00	.00	.29
4-7	3	4	5	2	0	0	1	0	6	5	5	0	0	0	0	0	31	
(1)	1.71	2.29	2.86	1.14	.00	.00	.57	.00	3.43	2.86	2.86	.00	.00	.00	.00	.00	17.71	
(2)	.07	.09	.11	.04	.00	.00	.02	.00	.13	.11	.11	.00	.00	.00	.00	.00	.69	
8-12	7	6	3	0	1	0	5	1	2	1	5	22	8	1	7	5	74	
(1)	4.00	3.43	1.71	.00	.57	.00	2.86	.57	1.14	.57	2.86	12.57	4.57	.57	4.00	2.86	42.29	
(2)	.16	.13	.07	.00	.02	.00	.11	.02	.04	.02	.11	.49	.18	.02	.16	.11	1.66	
13-18	1	0	0	0	0	0	1	1	4	3	2	14	5	2	8	5	46	
(1)	.57	.00	.00	.00	.00	.00	.57	.57	2.29	1.71	1.14	8.00	2.86	1.14	4.57	2.86	26.29	
(2)	.02	.00	.00	.00	.00	.00	.02	.02	.09	.07	.04	.31	.11	.04	.18	.11	1.03	
19-24	0	0	0	0	0	0	0	0	0	0	1	6	1	0	0	1	9	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.57	3.43	.57	.00	.00	.57	5.14	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.13	.02	.00	.00	.02	.20	
GT 24	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	1.14	.00	.00	.00	.00	1.14	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00	.04	
ALL SPEEDS	11	10	8	5	3	0	6	4	7	14	14	49	15	3	15	11	175	
(1)	6.29	5.71	4.57	2.86	1.71	.00	3.43	2.29	4.00	8.00	8.00	28.00	8.57	1.71	8.57	6.29	100.00	
(2)	.25	.22	.18	.11	.07	.00	.13	.09	.16	.31	.31	1.10	.34	.07	.34	.25	3.92	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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Table 2.7-81 SSES 197' (60m) 2001-2006 March JFD
(Page 4 of 8)

197.0 FT WIND DATA		SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		CLASS FREQUENCY (PERCENT) = 46.53																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS D	WIND DIRECTION FROM													TOTAL			
		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW		NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		10	20	15	11	9	11	8	11	14	10	4	1	3	2	5	0	145
(1)		.48	.96	.72	.53	.43	.53	.39	.53	.67	.48	.19	.05	.14	.10	.24	.00	6.98
(2)		.22	.45	.34	.25	.20	.25	.18	.25	.31	.22	.09	.02	.07	.04	.11	.00	3.25
4-7		35	40	46	29	24	18	20	14	22	59	49	24	34	35	27	0	498
(1)		1.69	1.93	2.21	1.40	1.16	.87	.96	.67	1.06	2.84	2.36	1.16	1.64	1.69	1.30	.00	23.98
(2)		.78	.90	1.03	.65	.54	.40	.45	.31	.49	1.32	1.10	.54	.76	.78	.60	.00	11.16
8-12		85	70	52	13	16	33	29	12	15	33	68	66	88	121	101	0	819
(1)		4.09	3.37	2.50	.63	.77	1.59	1.40	.58	.72	1.59	3.27	3.18	4.24	5.83	4.86	.00	39.43
(2)		1.90	1.57	1.16	.29	.36	.74	.65	.27	.34	.74	1.52	1.48	1.97	2.71	2.26	.00	18.35
13-18		13	22	20	6	5	7	20	23	15	11	84	87	73	73	47	0	506
(1)		.63	1.06	.96	.29	.24	.34	.96	1.11	.72	.53	4.04	4.19	3.51	3.51	2.26	.00	24.36
(2)		.29	.49	.45	.13	.11	.16	.45	.52	.34	.25	1.88	1.95	1.64	1.64	1.05	.00	11.34
19-24		0	5	1	0	2	0	1	3	6	1	22	41	7	2	2	0	93
(1)		.00	.24	.05	.00	.10	.00	.05	.14	.29	.05	1.06	1.97	.34	.10	.10	.00	4.48
(2)		.00	.11	.02	.00	.04	.00	.02	.07	.13	.02	.49	.92	.16	.04	.04	.00	2.08
GT 24		0	0	0	0	0	0	0	0	1	2	5	8	0	0	0	0	16
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.05	.10	.24	.39	.00	.00	.00	.00	.77
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.02	.04	.11	.18	.00	.00	.00	.00	.36
ALL SPEEDS		143	157	134	59	56	69	78	63	73	116	232	227	205	233	182	0	2077
(1)		6.88	7.56	6.45	2.84	2.41	3.32	3.76	3.03	3.51	5.58	11.17	10.93	9.87	11.22	8.76	.00	100.00
(2)		3.20	3.52	3.00	1.32	1.12	1.25	1.55	1.41	1.64	2.60	5.20	5.09	4.59	5.22	4.08	.00	46.53

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Table 2.7-81 SSES 197' (60m) 2001-2006 March JFD
(Page 5 of 8)

197.0 FT WIND DATA		SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL					
		CLASS FREQUENCY (PERCENT) = 23.77																		
		WIND DIRECTION FROM																		
STABILITY CLASS E		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	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	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	13	28	29	17	15	10	26	19	23	15	25	18	8	8	1	5	6	6	0	258
(1)	1.23	2.64	2.73	1.60	1.41	.94	2.45	1.79	2.17	1.41	2.36	1.70	.75	.75	.09	.47	.57	.00	.00	24.32
(2)	.29	.63	.65	.38	.34	.22	.58	.43	.52	.34	.56	.40	.18	.18	.02	.11	.13	.00	.00	5.78
4-7	37	60	26	14	18	10	12	20	23	27	50	47	24	24	16	10	13	0	0	407
(1)	3.49	5.66	2.45	1.32	1.70	.94	1.13	1.89	2.17	2.54	4.71	4.43	2.26	2.26	1.51	.94	1.23	.00	.00	38.36
(2)	.83	1.34	.58	.31	.40	.22	.27	.45	.52	.60	1.12	1.05	.54	.54	.36	.22	.29	.00	.00	9.12
8-12	18	51	30	6	3	7	6	14	12	24	25	45	21	21	5	17	9	0	0	293
(1)	1.70	4.81	2.83	.57	.28	.66	.57	1.32	1.13	2.26	2.36	4.24	1.98	1.98	.47	1.60	.85	.00	.00	27.62
(2)	.40	1.14	.67	.13	.07	.16	.13	.31	.27	.54	.56	1.01	.47	.47	.11	.38	.20	.00	.00	6.56
13-18	6	14	9	0	1	3	2	2	11	13	7	18	2	2	5	0	1	0	0	94
(1)	.57	1.32	.85	.00	.09	.28	.19	.19	1.04	1.23	.66	1.70	.19	.19	.47	.00	.09	.00	.00	8.86
(2)	.13	.31	.20	.00	.02	.07	.04	.04	.25	.29	.16	.40	.04	.04	.11	.00	.02	.00	.00	2.11
19-24	0	0	0	0	0	0	1	0	1	2	1	0	0	0	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.09	.00	.09	.19	.09	.00	.00	.00	.00	.00	.00	.00	.00	.47
(2)	.00	.00	.00	.00	.00	.00	.02	.00	.02	.04	.02	.00	.00	.00	.00	.00	.00	.00	.00	.11
GT 24	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.28	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.38
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.09
ALL SPEEDS	74	153	94	37	37	30	47	55	73	81	109	128	55	55	27	32	29	0	0	1061
(1)	6.97	14.42	8.86	3.49	3.49	2.83	4.43	5.18	6.88	7.63	10.27	12.06	5.18	5.18	2.54	3.02	2.73	.00	.00	100.00
(2)	1.66	3.43	2.11	.83	.83	.67	1.05	1.23	1.64	1.81	2.44	2.87	1.23	1.23	.60	.72	.65	.00	.00	23.77

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-81 SSES 197' (60m) 2001-2006 March JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS F		CLASS FREQUENCY (PERCENT) = 9.12															
				WIND DIRECTION FROM															
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	19	43	30	14	15	6	14	7	10	8	11	2	3	2	1	1	1	0	186
(1)	4.67	10.57	7.37	3.44	3.69	1.47	3.44	1.72	2.46	1.97	2.70	.49	.74	.49	.25	.25	.25	.00	45.70
(2)	.43	.96	.67	.31	.34	.13	.31	.16	.22	.18	.25	.04	.07	.04	.02	.02	.02	.00	4.17
4-7	22	52	29	5	3	3	8	4	2	15	21	7	3	1	5	0	0	0	180
(1)	5.41	12.78	7.13	1.23	.74	.74	1.97	.98	.49	3.69	5.16	1.72	.74	.25	1.23	.00	.00	.00	44.23
(2)	.49	1.16	.65	.11	.07	.07	.18	.09	.04	.34	.47	.16	.07	.02	.11	.00	.00	.00	4.03
8-12	3	2	4	0	0	0	2	0	0	2	3	17	2	0	1	0	0	0	36
(1)	.74	.49	.98	.00	.00	.00	.49	.00	.00	.49	.74	4.18	.49	.00	.25	.00	.00	.00	8.85
(2)	.07	.04	.09	.00	.00	.00	.04	.00	.00	.04	.07	.38	.04	.00	.02	.00	.00	.00	.81
13-18	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.98	.00	.00	.00	.00	.00	.00	1.23
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.09	.00	.00	.00	.00	.00	.00	.11
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	44	97	63	19	18	9	24	11	12	25	36	30	8	3	7	1	0	0	407
(1)	10.81	23.83	15.48	4.67	4.42	2.21	5.90	2.70	2.95	6.14	8.85	7.37	1.97	.74	1.72	.25	.00	.00	100.00
(2)	.99	2.17	1.41	.43	.40	.20	.54	.25	.27	.56	.81	.67	.18	.07	.16	.02	.00	.00	9.12

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-81 SSES 197' (60m) 2001-2006 March JFD
(Page 7 of 8)

197.0 FT WIND DATA		SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 7.75									
		STABILITY CLASS G													WIND DIRECTION FROM					CLASS FREQUENCY (PERCENT) = 7.75				
		SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL				
CALM	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	.00					
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					
C-3	7	22	29	15	13	12	6	9	7	6	3	1	1	1	1	4	4	0	137					
(1)	2.02	6.36	8.38	4.34	3.76	3.47	1.73	2.60	2.02	1.73	.87	.29	.29	.29	.29	1.16	.00	.00	39.60					
(2)	.16	.49	.65	.34	.29	.27	.13	.20	.16	.13	.07	.02	.02	.02	.02	.09	.00	.00	3.07					
4-7	47	68	26	8	8	0	6	0	8	13	10	2	0	0	2	1	0	0	192					
(1)	13.58	19.65	7.51	2.31	.29	.00	1.73	.00	2.31	3.76	2.89	.58	.00	.00	.58	.29	.00	.00	55.49					
(2)	1.05	1.52	.58	.18	.02	.00	.13	.00	.18	.29	.22	.04	.00	.00	.04	.02	.00	.00	4.30					
8-12	3	2	0	0	0	0	1	2	1	4	1	3	0	0	0	0	0	0	17					
(1)	.87	.58	.00	.00	.00	.00	.29	.58	.29	1.16	.29	.87	.00	.00	.00	.00	.00	.00	4.91					
(2)	.07	.04	.00	.00	.00	.00	.02	.04	.02	.09	.02	.07	.00	.00	.00	.00	.00	.00	.38					
13-18	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	.00					
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					
19-24	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	.00					
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					
GT 24	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	.00					
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					
ALL SPEEDS	57	92	55	23	14	12	13	11	16	23	14	6	1	1	3	5	0	0	346					
(1)	16.47	26.59	15.90	6.65	4.05	3.47	3.76	3.18	4.62	6.65	4.05	1.73	.29	.29	.87	1.45	.00	.00	100.00					
(2)	1.28	2.06	1.23	.52	.31	.27	.29	.25	.36	.52	.31	.13	.02	.02	.07	.11	.00	.00	7.75					

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Table 2.7-81 SSES 197' (60m) 2001-2006 March JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES MARCH MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		STABILITY CLASS ALL																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	49	114	104	60	42	59	46	56	50	57	25	15	15	7	9	16	0	767	0
(1)	1.10	2.55	2.33	1.34	1.30	1.32	1.03	1.25	1.12	1.28	.56	.34	.34	.16	.20	.36	.00	17.18	.00
(2)	1.10	2.55	2.33	1.34	1.30	1.32	1.03	1.25	1.12	1.28	.56	.34	.34	.16	.20	.36	.00	17.18	.00
4-7	146	227	141	60	38	47	52	51	100	164	123	52	52	52	55	42	0	1396	0
(1)	3.27	5.09	3.16	1.34	1.03	1.05	1.16	1.14	2.24	3.67	2.76	1.16	1.16	1.16	1.23	.94	.00	31.27	.00
(2)	3.27	5.09	3.16	1.34	1.03	1.05	1.16	1.14	2.24	3.67	2.76	1.16	1.16	1.16	1.23	.94	.00	31.27	.00
8-12	119	135	94	20	23	25	63	37	62	92	182	104	104	101	152	122	0	1384	0
(1)	2.67	3.02	2.11	.45	.52	.56	1.41	.83	1.39	2.06	4.08	2.33	2.33	2.26	3.41	2.73	.00	31.00	.00
(2)	2.67	3.02	2.11	.45	.52	.56	1.41	.83	1.39	2.06	4.08	2.33	2.33	2.26	3.41	2.73	.00	31.00	.00
13-18	20	36	30	6	1	8	13	25	46	55	155	103	103	80	86	56	0	771	0
(1)	.45	.81	.67	.13	.02	.18	.29	.56	1.03	1.23	3.47	2.31	2.31	1.79	1.93	1.25	.00	17.27	.00
(2)	.45	.81	.67	.13	.02	.18	.29	.56	1.03	1.23	3.47	2.31	2.31	1.79	1.93	1.25	.00	17.27	.00
19-24	0	5	1	0	0	2	1	4	12	6	33	42	42	7	2	3	0	119	0
(1)	.00	.11	.02	.00	.00	.04	.02	.09	.27	.13	.74	.94	.94	.16	.04	.07	.00	2.67	.00
(2)	.00	.11	.02	.00	.00	.04	.02	.09	.27	.13	.74	.94	.94	.16	.04	.07	.00	2.67	.00
GT 24	0	0	0	0	0	0	0	3	1	8	7	8	8	0	0	0	0	27	0
(1)	.00	.00	.00	.00	.00	.00	.00	.07	.02	.18	.16	.18	.18	.00	.00	.00	.00	.60	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.07	.02	.18	.16	.18	.18	.00	.00	.00	.00	.60	.00
ALL SPEEDS	334	517	370	146	115	183	177	197	280	378	525	324	324	247	304	239	0	4464	0
(1)	7.48	11.58	8.29	3.27	2.87	2.58	4.10	3.97	4.41	6.27	11.76	7.26	7.26	5.53	6.81	5.35	.00	100.00	.00
(2)	7.48	11.58	8.29	3.27	2.87	2.58	4.10	3.97	4.41	6.27	11.76	7.26	7.26	5.53	6.81	5.35	.00	100.00	.00

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Table 2.7-82 SSES 197' (60m) 2001-2006 April JFD

(Page 1 of 8)

197.0 FT WIND DATA		SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL					
		CLASS FREQUENCY (PERCENT) = 8.78																		
		WIND DIRECTION FROM																		
SPEED MPH	STABILITY CLASS A	WIND DIRECTION FROM													TOTAL					
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL	
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		0	0	1	4	1	3	1	0	1	2	1	2	0	0	0	0	0	0	16
(1)		.00	.00	.26	1.06	.26	.79	.26	.00	.26	.53	.26	.53	.00	.00	.00	.00	.00	.00	4.23
(2)		.00	.00	.02	.09	.02	.07	.02	.00	.02	.05	.02	.05	.00	.00	.00	.00	.00	.00	.37
4-7		1	3	4	5	5	4	3	4	10	19	24	8	0	1	0	1	0	0	92
(1)		.26	.79	1.06	1.32	1.32	1.06	.79	1.06	2.65	5.03	6.35	2.12	.00	.26	.00	.26	.00	.00	24.34
(2)		.02	.07	.09	.12	.12	.09	.07	.09	.23	.44	.56	.19	.00	.02	.00	.02	.00	.00	2.14
8-12		11	37	9	0	0	0	2	3	6	22	39	14	2	4	1	3	0	0	153
(1)		2.91	9.79	2.38	.00	.00	.00	.53	.79	1.59	5.82	10.32	3.70	.53	1.06	.26	.79	.00	.00	40.48
(2)		.26	.86	.21	.00	.00	.00	.05	.07	.14	.51	.91	.33	.05	.09	.02	.07	.00	.00	3.55
13-18		3	14	1	0	0	1	7	3	4	10	29	28	2	1	2	4	0	0	109
(1)		.79	3.70	.26	.00	.00	.26	1.85	.79	1.06	2.65	7.67	7.41	.53	.26	.53	1.06	.00	.00	28.84
(2)		.07	.33	.02	.00	.00	.02	.16	.07	.09	.23	.67	.65	.05	.02	.05	.09	.00	.00	2.53
19-24		0	0	0	0	0	0	0	1	2	1	2	1	0	0	0	0	0	0	7
(1)		.00	.00	.00	.00	.00	.00	.00	.26	.53	.26	.53	.26	.00	.00	.00	.00	.00	.00	1.85
(2)		.00	.00	.00	.00	.00	.00	.00	.02	.05	.02	.05	.02	.00	.00	.00	.00	.00	.00	.16
GT 24		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	.00	.26	.00	.00	.00	.00	.00	.00	.26
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.02
ALL SPEEDS		15	54	15	9	6	8	13	11	23	54	95	54	4	6	3	8	0	0	378
(1)		3.97	14.29	3.97	2.38	1.59	2.12	3.44	2.91	6.08	14.29	25.13	14.29	1.06	1.59	.79	2.12	.00	.00	100.00
(2)		.35	1.25	.35	.21	.14	.19	.30	.26	.53	1.25	2.21	1.25	.09	.14	.07	.19	.00	.00	8.78

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-82 SSES 197' (60m) 2001-2006 April JFD
(Page 2 of 8)

197.0 FT WIND DATA		SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 3.65																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS B	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		0	0	2	0	1	0	2	0	1	2	0	0	0	0	0	0	0	8
(1)		.00	.00	1.27	.00	.64	.00	1.27	.00	.64	1.27	.00	.00	.00	.00	.00	.00	.00	5.10
(2)		.00	.00	.05	.00	.02	.00	.05	.00	.02	.05	.00	.00	.00	.00	.00	.00	.00	.19
4-7		2	1	5	0	1	4	2	1	1	5	2	2	0	0	0	0	0	26
(1)		1.27	.64	3.18	.00	.64	2.55	1.27	.64	.64	3.18	1.27	1.27	.00	.00	.00	.00	.00	16.56
(2)		.05	.02	.12	.00	.02	.09	.05	.02	.02	.12	.05	.05	.00	.00	.00	.00	.00	.60
8-12		3	15	4	1	1	0	1	0	1	4	12	6	0	3	3	0	0	59
(1)		1.91	9.55	2.55	.64	.64	.00	.64	.00	.64	2.55	7.64	3.82	.00	1.91	1.91	.00	.00	37.58
(2)		.07	.35	.09	.02	.02	.00	.02	.00	.02	.09	.28	.14	.00	.07	.07	.00	.00	1.37
13-18		5	6	1	0	1	1	3	1	3	0	5	14	3	6	6	0	0	56
(1)		3.18	3.82	.64	.00	.64	.64	1.91	.64	1.91	.00	3.18	8.92	1.91	3.82	3.82	.00	.00	35.67
(2)		.12	.14	.02	.00	.02	.02	.07	.02	.07	.00	.12	.33	.07	.14	.14	.00	.00	1.30
19-24		0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	7
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.55	.00	1.27	.00	.00	.00	4.46
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.05	.00	.00	.00	.16
GT 24		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	.64	.00	.00	.00	.00	.00	.00	.64
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.02
ALL SPEEDS		10	22	12	1	4	5	8	2	7	11	20	26	3	6	11	9	0	157
(1)		6.37	14.01	7.64	.64	2.55	3.18	5.10	1.27	4.46	7.01	12.74	16.56	1.91	3.82	7.01	5.73	.00	100.00
(2)		.23	.51	.28	.02	.09	.12	.19	.05	.16	.26	.46	.60	.07	.14	.26	.21	.00	3.65

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-82 SSES 197' (60m) 2001-2006 April JFD
(Page 3 of 8)

197.0 FT WIND DATA	SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 4.97																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS C													TOTAL				
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	1	3	1	0	1	0	1	2	0	0	0	0	0	0	0	10
(1)	.00	.47	.47	1.40	.47	.00	.47	.00	.47	.93	.00	.00	.00	.00	.00	.00	.00	4.67
(2)	.00	.02	.02	.07	.02	.00	.02	.00	.02	.05	.00	.00	.00	.00	.00	.00	.00	.23
4-7	2	5	5	3	4	2	4	1	6	4	6	4	1	0	0	1	0	48
(1)	.93	2.34	2.34	1.40	1.87	.93	1.87	.47	2.80	1.87	2.80	1.87	.47	.00	.00	.47	.00	22.43
(2)	.05	.12	.12	.07	.09	.05	.09	.02	.14	.09	.14	.09	.02	.00	.00	.02	.00	1.11
8-12	13	20	4	1	0	1	1	1	1	4	6	12	2	3	2	2	0	73
(1)	6.07	9.35	1.87	.47	.00	.47	.47	.47	.47	1.87	2.80	5.61	.93	1.40	.93	.93	.00	34.11
(2)	.30	.46	.09	.02	.00	.02	.02	.02	.02	.09	.14	.28	.05	.07	.05	.05	.00	1.70
13-18	9	5	0	0	0	2	0	2	4	5	5	17	8	3	5	4	0	69
(1)	4.21	2.34	.00	.00	.00	.93	.00	.93	1.87	2.34	2.34	7.94	3.74	1.40	2.34	1.87	.00	32.24
(2)	.21	.12	.00	.00	.00	.05	.00	.05	.09	.12	.12	.39	.19	.07	.12	.09	.00	1.60
19-24	0	1	0	0	0	0	2	0	0	1	3	4	2	0	0	0	0	13
(1)	.00	.47	.00	.00	.00	.00	.93	.00	.00	.47	1.40	1.87	.93	.00	.00	.00	.00	6.07
(2)	.00	.02	.00	.00	.00	.00	.05	.00	.00	.02	.07	.09	.05	.00	.00	.00	.00	.30
GT 24	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	.47	.00	.00	.00	.00	.00	.47
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.02
ALL SPEEDS	24	32	10	7	5	5	8	4	12	16	20	38	13	6	7	7	0	214
(1)	11.21	14.95	4.67	3.27	2.34	2.34	3.74	1.87	5.61	7.48	9.35	17.76	6.07	2.80	3.27	3.27	.00	100.00
(2)	.56	.74	.23	.16	.12	.12	.19	.09	.28	.37	.46	.88	.30	.14	.16	.16	.00	4.97

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-82 SSES 197' (60m) 2001-2006 April JFD
(Page 4 of 8)

197.0 FT WIND DATA		SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		CLASS FREQUENCY (PERCENT) = 40.95																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS D	WIND DIRECTION FROM													TOTAL			
		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW		NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		4	8	20	15	10	9	11	6	6	5	1	1	1	0	5	0	118
(1)		.23	.45	1.13	.85	.57	.51	.62	.34	.34	.28	.06	.06	.06	.00	.28	.00	6.69
(2)		.09	.19	.46	.35	.23	.21	.26	.14	.14	.12	.02	.02	.02	.00	.12	.00	2.74
4-7		23	52	54	16	19	26	20	21	25	38	29	17	11	19	8	0	393
(1)		1.30	2.95	3.06	.91	1.08	1.47	1.13	1.19	1.42	2.16	1.64	.96	.62	1.08	.45	.00	22.29
(2)		.53	1.21	1.25	.37	.44	.60	.46	.49	.58	.88	.67	.39	.26	.44	.19	.00	9.13
8-12		100	112	67	25	38	38	24	28	20	54	40	41	51	65	75	0	796
(1)		5.67	6.35	3.80	1.42	2.16	2.16	1.36	1.59	1.13	3.06	2.27	2.33	2.89	3.69	4.25	.00	45.15
(2)		2.32	2.60	1.56	.58	.88	.88	.56	.65	.46	1.25	.93	.95	1.18	1.51	1.74	.00	18.49
13-18		36	47	18	2	14	14	6	16	10	30	44	48	36	50	26	0	399
(1)		2.04	2.67	1.02	.11	.79	.79	.34	.91	.57	1.70	2.50	2.72	2.04	2.84	1.47	.00	22.63
(2)		.84	1.09	.42	.05	.33	.33	.14	.37	.23	.70	1.02	1.11	.84	1.16	.60	.00	9.27
19-24		2	4	2	0	0	2	2	2	0	4	25	8	2	3	0	0	56
(1)		.11	.23	.11	.00	.00	.11	.11	.11	.00	.23	1.42	.45	.11	.17	.00	.00	3.18
(2)		.05	.09	.05	.00	.00	.05	.05	.05	.00	.09	.58	.19	.05	.07	.00	.00	1.30
GT 24		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	.06	.00	.00	.00	.00	.00	.06
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.02
ALL SPEEDS		165	223	161	58	81	89	63	73	61	132	144	115	101	137	114	0	1763
(1)		9.36	12.65	9.13	3.29	4.59	5.05	3.57	4.14	3.46	7.49	8.17	6.52	5.73	7.77	6.47	.00	100.00
(2)		3.83	5.18	3.74	1.35	1.88	2.07	1.46	1.70	1.42	3.07	3.34	2.67	2.35	3.18	2.65	.00	40.95

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-82 SSES 197' (60m) 2001-2006 April JFD
(Page 5 of 8)

197.0 FT WIND DATA	SPEED MPH	SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		CLASS FREQUENCY (PERCENT) = 24.79																	
		WIND DIRECTION FROM																	
STABILITY CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	20	36	47	25	10	7	8	16	19	20	20	4	5	3	3	5	5	0	248
(1)	1.87	3.37	4.40	2.34	.94	.66	.75	1.50	1.78	1.87	1.87	.37	.47	.28	.28	.47	.00	.00	23.24
(2)	.46	.84	1.09	.58	.23	.16	.19	.37	.44	.46	.46	.09	.12	.07	.07	.12	.00	.00	5.76
4-7	42	53	53	29	10	10	19	19	18	19	34	21	17	13	6	8	0	0	371
(1)	3.94	4.97	4.97	2.72	.94	.94	1.78	1.78	1.69	1.78	3.19	1.97	1.59	1.22	.56	.75	.00	.00	34.77
(2)	.98	1.23	1.23	.67	.23	.23	.44	.44	.42	.44	.79	.49	.39	.30	.14	.19	.00	.00	8.62
8-12	19	53	47	18	7	10	12	15	18	44	25	44	3	2	4	18	0	0	339
(1)	1.78	4.97	4.40	1.69	.66	.94	1.12	1.41	1.69	4.12	2.34	4.12	.28	.19	.37	1.69	.00	.00	31.77
(2)	.44	1.23	1.09	.42	.16	.23	.28	.35	.42	1.02	.58	1.02	.07	.05	.09	.42	.00	.00	7.87
13-18	1	14	8	1	5	3	1	1	13	20	16	17	2	1	2	0	0	0	105
(1)	.09	1.31	.75	.09	.47	.28	.09	.09	1.22	1.87	1.50	1.59	.19	.09	.19	.00	.00	.00	9.84
(2)	.02	.33	.19	.02	.12	.07	.02	.02	.30	.46	.37	.39	.05	.02	.05	.00	.00	.00	2.44
19-24	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.19	.19	.00	.00	.00	.00	.00	.00	.37
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.09
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	82	156	155	73	32	30	40	51	68	103	97	88	27	19	15	31	0	0	1067
(1)	7.69	14.62	14.53	6.84	3.00	2.81	3.75	4.78	6.37	9.65	9.09	8.25	2.53	1.78	1.41	2.91	.00	.00	100.00
(2)	1.90	3.62	3.60	1.70	.74	.70	.93	1.18	1.58	2.39	2.25	2.04	.63	.44	.35	.72	.00	.00	24.79

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-82 SSES 197' (60m) 2001-2006 April JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													VRBL		TOTAL		
		STABILITY CLASS F		CLASS FREQUENCY (PERCENT) = 7.22															
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	12	28	42	15	9	8	10	6	11	10	2	1	2	3	0	0	0	0	159
(1)	3.86	9.00	13.50	4.82	2.89	2.57	3.22	1.93	3.54	3.22	.64	.32	.64	.96	.00	.00	.00	.00	51.13
(2)	.28	.65	.98	.35	.21	.19	.23	.14	.26	.23	.05	.02	.05	.07	.00	.00	.00	.00	3.69
4-7	14	47	16	2	2	1	2	4	8	6	12	6	1	2	3	1	0	0	127
(1)	4.50	15.11	5.14	.64	.64	.32	.64	1.29	2.57	1.93	3.86	1.93	.32	.64	.96	.32	.00	.00	40.84
(2)	.33	1.09	.37	.05	.05	.02	.05	.09	.19	.14	.28	.14	.02	.05	.07	.02	.00	.00	2.95
8-12	2	2	0	0	0	0	0	1	1	7	1	10	0	0	0	0	0	0	24
(1)	.64	.64	.00	.00	.00	.00	.00	.32	.32	2.25	.32	3.22	.00	.00	.00	.00	.00	.00	7.72
(2)	.05	.05	.00	.00	.00	.00	.00	.02	.02	.16	.02	.23	.00	.00	.00	.00	.00	.00	.56
13-18	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	.00	.32	.00	.00	.00	.00	.00	.00	.32
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.02
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	28	77	58	17	11	9	12	11	20	23	15	18	3	5	3	1	0	0	311
(1)	9.00	24.76	18.65	5.47	3.54	2.89	3.86	3.54	6.43	7.40	4.82	5.79	.96	1.61	.96	.32	.00	.00	100.00
(2)	.65	1.79	1.35	.39	.26	.21	.28	.26	.46	.53	.35	.42	.07	.12	.07	.02	.00	.00	7.22

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-82 SSES 197' (60m) 2001-2006 April JFD
(Page 7 of 8)

197.0 FT WIND DATA	SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 9.64																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G													VRBL	TOTAL			
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W			WNW	NW	NNW
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	13	32	54	24	14	12	9	7	9	6	3	2	1	0	0	0	0	186
(1)	3.13	7.71	13.01	5.78	3.37	2.89	2.17	1.69	2.17	1.45	.72	.48	.24	.00	.00	.00	.00	44.82
(2)	.30	.74	1.25	.56	.33	.28	.21	.16	.21	.14	.07	.05	.02	.00	.00	.00	.00	4.32
4-7	47	101	31	8	4	2	1	4	6	3	7	3	0	0	1	1	0	219
(1)	11.33	24.34	7.47	1.93	.96	.48	.24	.96	1.45	.72	1.69	.72	.00	.00	.24	.24	.00	52.77
(2)	1.09	2.35	.72	.19	.09	.05	.02	.09	.14	.07	.16	.07	.00	.00	.02	.02	.00	5.09
8-12	0	0	1	0	0	0	0	0	2	5	0	2	0	0	0	0	0	10
(1)	.00	.00	.24	.00	.00	.00	.00	.00	.48	1.20	.00	.48	.00	.00	.00	.00	.00	2.41
(2)	.00	.00	.02	.00	.00	.00	.00	.00	.05	.12	.00	.05	.00	.00	.00	.00	.00	.23
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	60	133	86	32	18	14	10	11	17	14	10	7	1	0	1	1	0	415
(1)	14.46	32.05	20.72	7.71	4.34	3.37	2.41	2.65	4.10	3.37	2.41	1.69	.24	.00	.24	.24	.00	100.00
(2)	1.39	3.09	2.00	.74	.42	.33	.23	.26	.39	.33	.23	.16	.02	.00	.02	.02	.00	9.64

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-82 SSES 197' (60m) 2001-2006 April JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES APRIL MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL					
		STABILITY CLASS ALL																					
		CLASS FREQUENCY (PERCENT) = 100.00																					
SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								W	WNW	NW	NNW	VRBL				
							SE	SSE	S	SSW	SW	WSW	W	WNW						NW	NNW		
CALM	0	0	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	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	49	105	167	86	47	40	40	40	48	48	32	14	9	7	3	10	10	10	0	0	0	745	
(1)	1.14	2.44	3.88	2.00	1.09	.93	.93	.93	1.11	1.11	.74	.33	.21	.16	.07	.23	.23	.23	.00	.00	.00	17.31	
(2)	1.14	2.44	3.88	2.00	1.09	.93	.93	.93	1.11	1.11	.74	.33	.21	.16	.07	.23	.23	.23	.00	.00	.00	17.31	
4-7	131	262	168	63	41	42	57	53	70	81	123	73	36	27	29	20	20	20	0	0	0	1276	
(1)	3.04	6.09	3.90	1.46	.95	.98	1.32	1.23	1.63	1.88	2.86	1.70	.84	.63	.67	.46	.46	.46	.00	.00	.00	29.64	
(2)	3.04	6.09	3.90	1.46	.95	.98	1.32	1.23	1.63	1.88	2.86	1.70	.84	.63	.67	.46	.46	.46	.00	.00	.00	29.64	
8-12	148	239	132	45	26	49	54	44	57	106	137	128	48	65	75	101	101	101	0	0	0	1454	
(1)	3.44	5.55	3.07	1.05	.60	1.14	1.25	1.02	1.32	2.46	3.18	2.97	1.11	1.51	1.74	2.35	2.35	2.35	.00	.00	.00	33.77	
(2)	3.44	5.55	3.07	1.05	.60	1.14	1.25	1.02	1.32	2.46	3.18	2.97	1.11	1.51	1.74	2.35	2.35	2.35	.00	.00	.00	33.77	
13-18	54	86	28	3	8	21	25	13	40	45	85	121	63	42	65	40	40	40	0	0	0	739	
(1)	1.25	2.00	.65	.07	.19	.49	.58	.30	.93	1.05	1.97	2.81	1.46	.98	1.51	.93	.93	.93	.00	.00	.00	17.17	
(2)	1.25	2.00	.65	.07	.19	.49	.58	.30	.93	1.05	1.97	2.81	1.46	.98	1.51	.93	.93	.93	.00	.00	.00	17.17	
19-24	2	5	2	0	0	0	4	3	5	2	11	36	10	2	5	0	0	0	0	0	0	87	
(1)	.05	.12	.05	.00	.00	.00	.09	.07	.12	.05	.26	.84	.23	.05	.12	.00	.00	.00	.00	.00	.00	2.02	
(2)	.05	.12	.05	.00	.00	.00	.09	.07	.12	.05	.26	.84	.23	.05	.12	.00	.00	.00	.00	.00	.00	2.02	
GT 24	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	
ALL SPEEDS	384	697	497	197	122	152	180	153	220	282	389	375	166	143	177	171	171	171	0	0	0	4305	
(1)	8.92	16.19	11.54	4.58	2.83	3.53	4.18	3.55	5.11	6.55	9.04	8.71	3.86	3.32	4.11	3.97	3.97	3.97	.00	.00	.00	100.00	
(2)	8.92	16.19	11.54	4.58	2.83	3.53	4.18	3.55	5.11	6.55	9.04	8.71	3.86	3.32	4.11	3.97	3.97	3.97	.00	.00	.00	100.00	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-83 SSES 197' (60m) 2001-2006 May JFD

(Page 1 of 8)

197.0 FT WIND DATA		SSES MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
STABILITY CLASS A		CLASS FREQUENCY (PERCENT) = 6.47													VRBL			
		WIND DIRECTION FROM													TOTAL			
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	3	0	0	0	0	1	1	0	0	0	0	0	0	0	5
(1)	.00	.00	.00	1.12	.00	.00	.00	.37	.37	.00	.00	.00	.00	.00	.00	.00	.00	1.86
(2)	.00	.00	.00	.07	.00	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.12
4-7	0	3	12	4	4	8	5	8	14	18	4	4	1	0	1	1	0	88
(1)	.00	1.12	4.46	1.49	1.49	2.97	1.86	2.97	5.20	6.69	1.49	1.49	.37	.00	.37	.37	.00	32.71
(2)	.00	.07	.29	.10	.10	.19	.12	.12	.34	.43	.10	.10	.02	.00	.02	.02	.00	2.12
8-12	7	9	5	4	2	2	3	7	10	18	31	12	1	2	1	1	0	115
(1)	2.60	3.35	1.86	1.49	.74	.74	1.12	2.60	3.72	6.69	11.52	4.46	.37	.74	.37	.37	.00	42.75
(2)	.17	.22	.12	.10	.05	.05	.07	.17	.24	.43	.75	.29	.02	.05	.02	.02	.00	2.77
13-18	11	6	1	0	0	1	0	0	9	5	13	12	1	0	0	0	0	59
(1)	4.09	2.23	.37	.00	.00	.37	.00	.00	3.35	1.86	4.83	4.46	.37	.00	.00	.00	.00	21.93
(2)	.26	.14	.02	.00	.00	.02	.00	.00	.22	.12	.31	.29	.02	.00	.00	.00	.00	1.42
19-24	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.74	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.74
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	18	18	11	6	11	8	12	28	38	62	28	3	2	2	2	0	269
(1)	7.43	6.69	6.69	4.09	2.23	4.09	2.97	4.46	10.41	14.13	23.05	10.41	1.12	.74	.74	.74	.00	100.00
(2)	.48	.43	.43	.26	.14	.26	.19	.29	.67	.91	1.49	.67	.07	.05	.05	.05	.00	6.47

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-83 SSES 197' (60m) 2001-2006 May JFD
(Page 2 of 8)

197.0 FT WIND DATA		SSES MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 3.97																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
																			STABILITY CLASS B
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	7
(1)	.00	.61	.00	.61	.00	.00	.00	.61	.61	.61	.61	.00	.00	.00	.00	.00	.00	.00	4.24
(2)	.00	.02	.00	.02	.00	.00	.00	.02	.02	.02	.02	.00	.00	.00	.00	.00	.00	.00	.17
4-7	0	3	5	4	1	1	1	2	2	8	4	1	1	0	1	0	0	0	34
(1)	.00	1.82	3.03	2.42	.61	.61	.61	1.21	1.21	4.85	2.42	.61	.61	.00	.61	.00	.00	.00	20.61
(2)	.00	.07	.12	.10	.02	.02	.02	.05	.05	.19	.10	.02	.02	.00	.02	.00	.00	.00	.82
8-12	5	7	8	0	2	2	5	3	1	3	15	11	2	4	2	2	2	0	75
(1)	3.03	4.24	4.85	.00	3.03	1.21	3.03	1.82	.61	1.82	9.09	6.67	1.21	2.42	1.21	1.21	.00	.00	45.45
(2)	.12	.17	.19	.00	.12	.05	.12	.07	.02	.07	.36	.26	.05	.10	.05	.05	.00	.00	1.81
13-18	10	3	0	1	2	0	0	1	2	1	12	9	0	0	0	0	5	0	46
(1)	6.06	1.82	.00	.61	1.21	.00	.00	.61	1.21	.61	7.27	5.45	.00	.00	.00	.00	3.03	.00	27.88
(2)	.24	.07	.00	.02	.05	.00	.00	.02	.05	.02	.29	.22	.00	.00	.00	.00	.12	.00	1.11
19-24	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	3
(1)	.61	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.21	.00	.00	.00	.00	.00	.00	1.82
(2)	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.07
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	16	14	14	5	9	4	6	6	6	13	32	23	3	4	3	7	0	0	165
(1)	9.70	8.48	8.48	3.03	5.45	2.42	3.64	3.64	3.64	7.88	19.39	13.94	1.82	2.42	1.82	4.24	.00	.00	100.00
(2)	.39	.34	.34	.12	.22	.10	.14	.14	.14	.31	.77	.55	.07	.10	.07	.17	.00	.00	3.97

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-83 SSES 197' (60m) 2001-2006 May JFD
(Page 3 of 8)

197.0 FT WIND DATA	SPEED MPH	STABILITY CLASS C																TOTAL	
		CLASS FREQUENCY (PERCENT) = 5.78																	
		WIND DIRECTION FROM																	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL		
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	4	0	2	1	0	0	1	1	0	0	0	0	0	0	1	0	0	10
(1)	.00	1.67	.00	.83	.42	.00	.00	.42	.42	.00	.00	.00	.00	.00	.00	.42	.00	.00	4.17
(2)	.00	.10	.00	.05	.02	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00	.02	.00	.00	.24
4-7	4	2	9	2	0	3	2	1	2	12	8	2	2	0	0	0	0	0	49
(1)	1.67	.83	3.75	.83	.00	1.25	.83	.42	.83	5.00	3.33	.83	.83	.00	.00	.00	.00	.00	20.42
(2)	.10	.05	.22	.05	.00	.07	.05	.02	.05	.29	.19	.05	.05	.00	.00	.00	.00	.00	1.18
8-12	7	5	3	4	5	5	8	4	4	8	29	12	7	2	4	4	0	0	111
(1)	2.92	2.08	1.25	1.67	2.08	2.08	3.33	1.67	1.67	3.33	12.08	5.00	2.92	.83	1.67	1.67	.00	.00	46.25
(2)	.17	.12	.07	.10	.12	.12	.19	.10	.10	.19	.70	.29	.17	.05	.10	.10	.00	.00	2.67
13-18	8	5	0	1	0	1	1	0	4	4	10	13	3	3	1	6	0	0	60
(1)	3.33	2.08	.00	.42	.00	.42	.42	.00	1.67	1.67	4.17	5.42	1.25	1.25	.42	2.50	.00	.00	25.00
(2)	.19	.12	.00	.02	.00	.02	.02	.00	.10	.10	.24	.31	.07	.07	.02	.14	.00	.00	1.44
19-24	0	0	0	0	0	0	0	0	0	0	1	9	0	0	0	0	0	0	10
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	3.75	.00	.00	.00	.00	.00	.00	4.17
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.22	.00	.00	.00	.00	.00	.00	.24
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	19	16	12	9	6	9	11	6	11	24	48	36	12	5	5	11	0	0	240
(1)	7.92	6.67	5.00	3.75	2.50	3.75	4.58	2.50	4.58	10.00	20.00	15.00	5.00	2.08	2.08	4.58	.00	.00	100.00
(2)	.46	.39	.29	.22	.14	.22	.26	.14	.26	.58	1.16	.87	.29	.12	.12	.26	.00	.00	5.78

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-83 SSES 197' (60m) 2001-2006 May JFD
(Page 4 of 8)

197.0 FT WIND DATA		SSES MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 39.16																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS D	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		4	17	25	18	11	14	14	14	11	10	12	3	1	2	3	2	2	0
(1)		.25	1.04	1.54	1.11	.68	.86	.86	.86	.68	.61	.74	.18	.06	.12	.18	.12	.00	.00
(2)		.10	.41	.60	.43	.26	.34	.34	.34	.26	.24	.29	.07	.02	.05	.07	.05	.00	3.87
4-7		15	39	56	38	29	23	31	23	25	44	79	31	10	14	7	11	0	475
(1)		.92	2.40	3.44	2.34	1.78	1.41	1.91	1.41	1.54	2.70	4.86	1.91	.61	.86	.43	.68	.00	29.19
(2)		.36	.94	1.35	.91	.70	.55	.75	.55	.60	1.06	1.90	.75	.24	.34	.17	.26	.00	11.43
8-12		65	59	45	24	18	28	28	28	28	32	71	70	39	27	29	46	0	646
(1)		4.00	3.63	2.77	1.48	1.11	1.72	1.72	1.72	1.72	1.97	4.36	4.30	2.40	1.66	1.78	2.83	.00	39.70
(2)		1.56	1.42	1.08	.58	.43	.67	.67	.89	.67	.77	1.71	1.68	.94	.65	.70	1.11	.00	15.55
13-18		20	36	3	2	13	14	5	4	16	10	24	63	33	18	17	18	0	296
(1)		1.23	2.21	.18	.12	.80	.86	.31	.25	.98	.61	1.48	3.87	2.03	1.11	1.04	1.11	.00	18.19
(2)		.48	.87	.07	.05	.31	.34	.12	.10	.39	.24	.58	1.52	.79	.43	.41	.43	.00	7.12
19-24		0	0	0	1	4	3	0	1	3	1	7	14	8	6	0	0	0	48
(1)		.00	.00	.00	.06	.25	.18	.00	.06	.18	.06	.43	.86	.49	.37	.00	.00	.00	2.95
(2)		.00	.00	.00	.02	.10	.07	.00	.02	.07	.02	.17	.34	.19	.14	.00	.00	.00	1.16
GT 24		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
(1)		.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
(2)		.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
ALL SPEEDS		104	151	129	83	75	83	78	79	83	97	193	181	91	67	56	77	0	1627
(1)		6.39	9.28	7.93	5.10	4.61	5.10	4.79	4.86	5.10	5.96	11.86	11.12	5.59	4.12	3.44	4.73	.00	100.00
(2)		2.50	3.63	3.10	2.00	1.81	2.00	1.88	1.90	2.00	2.33	4.65	4.36	2.19	1.61	1.35	1.85	.00	39.16

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-83 SSES 197' (60m) 2001-2006 May JFD
(Page 5 of 8)

197.0 FT WIND DATA	SPEED MPH	SSES MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		CLASS FREQUENCY (PERCENT) = 26.23																	
		STABILITY CLASS E								WIND DIRECTION FROM									
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL		
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	11	39	63	32	33	20	19	17	14	25	18	7	2	4	1	4	4	0	309
(1)	1.01	3.58	5.78	2.94	3.03	1.83	1.74	1.56	1.28	2.29	1.65	.64	.18	.37	.09	.37	.00	.00	283.35
(2)	.26	.94	1.52	.77	.79	.48	.46	.41	.34	.60	.43	.17	.05	.10	.02	.10	.00	.00	7.44
4-7	42	86	50	33	18	21	14	29	27	47	41	22	9	5	7	6	0	0	457
(1)	3.85	7.89	4.59	3.03	1.65	1.93	1.28	2.66	2.48	4.31	3.76	2.02	.83	.46	.64	.55	.00	.00	41.93
(2)	1.01	2.07	1.20	.79	.43	.51	.34	.70	.65	1.13	.99	.53	.22	.12	.17	.14	.00	.00	11.00
8-12	11	19	25	13	12	4	12	12	23	34	36	29	8	5	13	16	0	0	272
(1)	1.01	1.74	2.29	1.19	1.10	.37	1.10	1.10	2.11	3.12	3.30	2.66	.73	.46	1.19	1.47	.00	.00	24.95
(2)	.26	.46	.60	.31	.29	.10	.29	.29	.55	.82	.87	.70	.19	.12	.31	.39	.00	.00	6.55
13-18	1	3	2	0	1	4	2	0	11	9	3	9	2	0	2	1	0	0	50
(1)	.09	.28	.18	.00	.09	.37	.18	.00	1.01	.83	.28	.83	.18	.00	.18	.09	.00	.00	4.59
(2)	.02	.07	.05	.00	.02	.10	.05	.00	.26	.22	.07	.22	.05	.00	.05	.02	.00	.00	1.20
19-24	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.09	.00	.00	.00	.00	.00	.00	.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.02	.00	.00	.00	.00	.00	.00	.05
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	65	147	140	78	64	49	47	58	76	115	98	68	21	14	23	27	0	0	1090
(1)	5.96	13.49	12.84	7.16	5.87	4.50	4.31	5.32	6.97	10.55	8.99	6.24	1.93	1.28	2.11	2.48	.00	.00	100.00
(2)	1.56	3.54	3.37	1.88	1.54	1.18	1.13	1.40	1.83	2.77	2.36	1.64	.51	.34	.55	.65	.00	.00	26.23

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-83 SSES 197' (60m) 2001-2006 May JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSSES MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 11.72																	
SPEED MPH	STABILITY CLASS F	WIND DIRECTION FROM													VRBL	TOTAL			
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W			WNW	NW	NNW
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		10	30	47	21	15	17	24	10	8	3	7	1	3	1	3	1	0	201
(1)		2.05	6.16	9.65	4.31	3.08	3.49	4.93	2.05	1.64	.62	1.44	.21	.62	.21	.62	.21	.00	41.27
(2)		.24	.72	1.13	.51	.36	.41	.58	.24	.19	.07	.17	.02	.07	.02	.07	.02	.00	4.84
4-7		25	105	38	4	8	5	2	4	8	14	19	2	3	1	2	4	0	244
(1)		5.13	21.56	7.80	.82	1.64	1.03	.41	.82	1.64	2.87	3.90	.41	.62	.21	.41	.82	.00	50.10
(2)		.60	2.53	.91	.10	.19	.12	.05	.10	.19	.34	.46	.05	.07	.02	.05	.10	.00	5.87
8-12		4	5	1	0	1	0	0	2	2	0	8	15	0	0	0	2	0	40
(1)		.82	1.03	.21	.00	.21	.00	.00	.41	.41	.00	1.64	3.08	.00	.00	.00	.41	.00	8.21
(2)		.10	.12	.02	.00	.02	.00	.00	.05	.05	.00	.19	.36	.00	.00	.00	.05	.00	.96
13-18		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)		.21	.00	.00	.00	.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.41
(2)		.02	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	140	86	25	25	22	26	16	18	17	34	18	6	2	5	7	0	487
(1)		8.21	28.75	17.66	5.13	5.13	4.52	5.34	3.29	3.70	3.49	6.98	3.70	1.23	.41	1.03	1.44	.00	100.00
(2)		.96	3.37	2.07	.60	.60	.53	.63	.39	.43	.41	.82	.43	.14	.05	.12	.17	.00	11.72

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-83 SSES 197' (60m) 2001-2006 May JFD
(Page 7 of 8)

197.0 FT WIND DATA		STABILITY CLASS G													WIND DIRECTION FROM													TOTAL	
		SSES MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER) CLASS FREQUENCY (PERCENT) = 6.67													CLASS FREQUENCY (PERCENT) = 6.67														
SPEED MPH		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL										
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										
C-3		3	14	36	12	7	6	9	4	2	1	0	0	0	0	0	0	0	94										
(1)		1.08	5.05	13.00	4.33	2.53	2.17	3.25	1.44	.72	.36	.00	.00	.00	.00	.00	.00	.00	33.94										
(2)		.07	.34	.87	.29	.17	.14	.22	.10	.05	.02	.00	.00	.00	.00	.00	.00	.00	2.26										
4-7		8	84	32	4	0	4	1	3	6	7	12	2	1	1	1	5	0	171										
(1)		2.89	30.32	11.55	1.44	.00	1.44	.36	1.08	2.17	2.53	4.33	.72	.36	.36	1.81	.00	.00	61.73										
(2)		.19	2.02	.77	.10	.00	.10	.02	.07	.14	.17	.29	.05	.02	.02	.12	.00	.00	4.12										
8-12		3	0	1	0	0	0	0	0	0	1	4	3	0	0	0	0	0	12										
(1)		1.08	.00	.36	.00	.00	.00	.00	.00	.00	.36	1.44	1.08	.00	.00	.00	.00	.00	4.33										
(2)		.07	.00	.02	.00	.00	.00	.00	.00	.00	.02	.10	.07	.00	.00	.00	.00	.00	.29										
13-18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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		14	98	69	16	7	10	10	7	8	9	16	5	1	1	1	5	0	277										
(1)		5.05	35.38	24.91	5.78	2.53	3.61	3.61	2.53	2.89	3.25	5.78	1.81	.36	.36	1.81	.00	.00	100.00										
(2)		.34	2.36	1.66	.39	.17	.24	.24	.17	.19	.22	.39	.12	.02	.02	.12	.00	.00	6.67										

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-83 SSES 197' (60m) 2001-2006 May JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES MAY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL			
		CLASS FREQUENCY (PERCENT) = 100.00																			
		STABILITY CLASS ALL																			
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	WIND DIRECTION FROM								NNW	VRBL			
									S	SSW	SW	WSW	W	WNW	NW	NNW			VRBL	TOTAL	
CALM	0	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	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	28	105	172	88	68	58	66	46	38	41	38	11	6	7	7	8	7	7	8	0	787
(1)	.67	2.53	4.14	2.12	1.64	1.40	1.59	1.11	.91	.99	.91	.26	.14	.17	.17	.19	.17	.17	.19	.00	18.94
(2)	.67	2.53	4.14	2.12	1.64	1.40	1.59	1.11	.91	.99	.91	.26	.14	.17	.17	.19	.17	.17	.19	.00	18.94
4-7	94	322	202	89	60	65	56	67	78	146	181	64	27	21	19	27	21	19	27	0	1518
(1)	2.26	7.75	4.86	2.14	1.44	1.56	1.35	1.61	1.88	3.51	4.36	1.54	.65	.51	.46	.65	.51	.46	.65	.00	36.53
(2)	2.26	7.75	4.86	2.14	1.44	1.56	1.35	1.61	1.88	3.51	4.36	1.54	.65	.51	.46	.65	.51	.46	.65	.00	36.53
8-12	102	104	88	45	43	41	56	65	68	96	194	152	57	40	49	71	40	49	71	0	1271
(1)	2.45	2.50	2.12	1.08	1.03	.99	1.35	1.56	1.64	2.31	4.67	3.66	1.37	.96	1.18	1.71	.96	1.18	1.71	.00	30.59
(2)	2.45	2.50	2.12	1.08	1.03	.99	1.35	1.56	1.64	2.31	4.67	3.66	1.37	.96	1.18	1.71	.96	1.18	1.71	.00	30.59
13-18	51	53	6	4	17	20	8	5	42	29	62	106	39	21	20	30	21	20	30	0	513
(1)	1.23	1.28	.14	.10	.41	.48	.19	.12	1.01	.70	1.49	2.55	.94	.51	.48	.72	.51	.48	.72	.00	12.35
(2)	1.23	1.28	.14	.10	.41	.48	.19	.12	1.01	.70	1.49	2.55	.94	.51	.48	.72	.51	.48	.72	.00	12.35
19-24	3	0	0	1	4	3	0	1	4	1	8	26	8	6	0	0	6	0	0	0	65
(1)	.07	.00	.00	.02	.10	.07	.00	.02	.10	.02	.19	.63	.19	.14	.00	.00	.14	.00	.00	.00	1.56
(2)	.07	.00	.00	.02	.10	.07	.00	.02	.10	.02	.19	.63	.19	.14	.00	.00	.14	.00	.00	.00	1.56
GT 24	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
ALL SPEEDS	278	584	468	227	192	188	186	184	230	313	483	359	137	95	95	136	95	95	136	0	4155
(1)	6.69	14.06	11.26	5.46	4.62	4.52	4.48	4.43	5.54	7.53	11.62	8.64	3.30	2.29	2.29	3.27	2.29	2.29	3.27	.00	100.00
(2)	6.69	14.06	11.26	5.46	4.62	4.52	4.48	4.43	5.54	7.53	11.62	8.64	3.30	2.29	2.29	3.27	2.29	2.29	3.27	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-84 SSES 197' (60m) 2001-2006 June JFD

(Page 1 of 8)

197.0 FT WIND DATA	SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 5.52																	
	WIND DIRECTION FROM																	
STABILITY CLASS A	WIND DIRECTION FROM													TOTAL				
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	1	1	3	2	4	0	3	5	1	0	0	0	0	0	0	20
(1)	.00	.00	.49	.49	1.48	.99	1.97	.00	1.48	2.46	.49	.00	.00	.00	.00	.00	.00	9.85
(2)	.00	.00	.03	.03	.08	.05	.11	.00	.08	.14	.03	.00	.00	.00	.00	.00	.00	.54
4-7	2	7	8	2	2	3	9	3	1	3	8	4	1	0	0	0	0	53
(1)	.99	3.45	3.94	.99	.99	1.48	4.43	1.48	.49	1.48	3.94	1.97	.49	.00	.00	.00	.00	26.11
(2)	.05	.19	.22	.05	.05	.08	.24	.08	.03	.08	.22	.11	.03	.00	.00	.00	.00	1.44
8-12	0	5	3	0	0	0	8	2	0	4	45	23	0	1	3	0	0	94
(1)	.00	2.46	1.48	.00	.00	.00	3.94	.99	.00	1.97	22.17	11.33	.00	.49	1.48	.00	.00	46.31
(2)	.00	.14	.08	.00	.00	.00	.22	.05	.00	.11	1.22	.63	.00	.03	.08	.00	.00	2.56
13-18	0	0	0	0	0	0	1	0	0	3	19	10	0	0	1	1	0	35
(1)	.00	.00	.00	.00	.00	.00	.49	.00	.00	1.48	9.36	4.93	.00	.00	.49	.49	.00	17.24
(2)	.00	.00	.00	.00	.00	.00	.03	.00	.00	.08	.52	.27	.00	.00	.03	.03	.00	.95
19-24	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	.49	.00	.00	.00	.00	.00	.00	.49
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	12	12	3	5	5	22	5	4	15	74	37	1	1	4	1	0	203
(1)	.99	5.91	5.91	1.48	2.46	2.46	10.84	2.46	1.97	7.39	36.45	18.23	.49	.49	1.97	.49	.00	100.00
(2)	.05	.33	.33	.08	.14	.14	.60	.14	.11	.41	2.01	1.01	.03	.03	.11	.03	.00	5.52

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-84 SSES 197' (60m) 2001-2006 June JFD
(Page 2 of 8)

197.0 FT WIND DATA	SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 4.71																	
	STABILITY CLASS B																	
SPEED MPH	WIND DIRECTION FROM																VRBL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	2	3	1	3	1	0	1	2	1	1	0	0	0	0	0	16
(1)	.00	.58	1.16	1.73	.58	1.73	.58	.00	.58	1.16	.58	.58	.00	.00	.00	.00	.00	9.25
(2)	.00	.03	.05	.08	.03	.08	.03	.00	.03	.05	.03	.03	.00	.00	.00	.00	.00	.44
4-7	3	9	9	1	0	1	4	1	1	1	9	2	0	0	1	0	0	42
(1)	1.73	5.20	5.20	.58	.00	.58	2.31	.58	.58	.58	5.20	1.16	.00	.00	.58	.00	.00	24.28
(2)	.08	.24	.24	.03	.00	.03	.11	.03	.03	.03	.24	.05	.00	.00	.03	.00	.00	1.14
8-12	4	7	2	2	0	0	3	1	2	4	43	13	6	0	2	3	0	92
(1)	2.31	4.05	1.16	1.16	.00	.00	1.73	.58	1.16	2.31	24.86	7.51	3.47	.00	1.16	1.73	.00	53.18
(2)	.11	.19	.05	.05	.00	.00	.08	.03	.05	.11	1.17	.35	.16	.00	.05	.08	.00	2.50
13-18	0	0	0	0	0	0	0	0	0	1	11	7	2	0	0	1	0	22
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.58	6.36	4.05	1.16	.00	.00	.58	.00	12.72
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.30	.19	.05	.00	.00	.03	.00	.60
19-24	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	.58	.00	.00	.00	.00	.00	.58
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	17	13	6	1	4	8	2	4	8	64	24	8	0	3	4	0	173
(1)	4.05	9.83	7.51	3.47	.58	2.31	4.62	1.16	2.31	4.62	36.99	13.87	4.62	.00	1.73	2.31	.00	100.00
(2)	.19	.46	.35	.16	.03	.11	.22	.05	.11	.22	1.74	.65	.22	.00	.08	.11	.00	4.71

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-84 SSES 197' (60m) 2001-2006 June JFD

(Page 3 of 8)

197.0 FT WIND DATA	SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 5.66																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS C													TOTAL				
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	2	3	5	2	0	1	2	1	0	0	0	0	0	0	0	14
(1)	.00	.48	.96	1.44	2.40	.96	.00	.48	.96	.48	.00	.00	.00	.00	.00	.00	.00	6.73
(2)	.00	.03	.05	.08	.14	.05	.00	.03	.05	.03	.00	.00	.00	.00	.00	.00	.00	.38
4-7	6	12	5	5	1	2	2	0	8	9	4	1	1	2	1	5	0	68
(1)	2.88	5.77	2.40	2.40	.48	.96	.96	.00	3.85	4.33	1.92	.48	.48	.96	.48	2.40	.00	32.69
(2)	.16	.33	.14	.14	.03	.05	.05	.00	.22	.24	.11	.03	.03	.05	.03	.14	.00	1.85
8-12	2	0	3	0	0	2	0	0	6	36	16	3	3	0	5	8	0	81
(1)	.96	.00	1.44	.00	.00	.96	.00	.00	2.88	17.31	7.69	1.44	1.44	.00	2.40	3.85	.00	38.94
(2)	.05	.00	.08	.00	.00	.05	.00	.00	.16	.98	.44	.08	.08	.00	.14	.22	.00	2.20
13-18	0	0	0	0	0	0	0	1	2	10	18	3	3	1	7	2	0	45
(1)	.00	.00	.00	.00	.00	.00	.00	.48	.96	4.81	8.65	1.44	1.44	.48	3.37	.96	.00	21.63
(2)	.00	.00	.00	.00	.00	.00	.00	.03	.05	.27	.49	.08	.08	.03	.19	.05	.00	1.22
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	13	9	7	4	6	2	2	18	56	38	7	7	3	13	15	0	208
(1)	3.85	6.25	4.33	3.37	1.92	2.88	.96	.96	8.65	26.92	18.27	3.37	3.37	1.44	6.25	7.21	.00	100.00
(2)	.22	.35	.24	.19	.11	.16	.05	.05	.49	1.52	1.03	.19	.19	.08	.35	.41	.00	5.66

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-84 SSES 197' (60m) 2001-2006 June JFD
(Page 4 of 8)

197.0 FT WIND DATA		SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													VRBL		TOTAL		
		CLASS FREQUENCY (PERCENT) = 36.40																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS D													NW	NNW	TOTAL			
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W				WNW		
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
C-3	7	23	41	35	14	16	16	13	19	20	27	11	1	0	0	1	3	0	247
(1)	.52	1.72	3.06	2.62	1.05	1.20	1.20	.97	1.42	1.49	2.02	.82	.07	.00	.00	.07	.22	.00	18.46
(2)	.19	.63	1.12	.95	.38	.44	.44	.35	.52	.54	.73	.30	.03	.00	.00	.03	.08	.00	6.72
4-7	43	48	42	23	29	15	25	17	21	60	109	35	7	10	13	13	13	0	510
(1)	3.21	3.59	3.14	1.72	2.17	1.12	1.87	1.27	1.57	4.48	8.15	2.62	.52	.75	.97	.97	.97	.00	38.12
(2)	1.17	1.31	1.14	.63	.79	.41	.68	.46	.57	1.63	2.97	.95	.19	.27	.35	.35	.35	.00	13.87
8-12	11	44	35	2	5	5	18	23	28	27	105	62	21	10	49	49	33	0	478
(1)	.82	3.29	2.62	.15	.37	.37	1.35	1.72	2.09	2.02	7.85	4.63	1.57	.75	3.66	2.47	2.47	.00	35.72
(2)	.30	1.20	.95	.05	.14	.14	.49	.63	.76	.73	2.86	1.69	.57	.27	1.33	.90	.90	.00	13.00
13-18	4	6	1	0	1	2	0	0	4	5	19	39	3	0	6	9	9	0	99
(1)	.30	.45	.07	.00	.07	.15	.00	.00	.30	.37	1.42	2.91	.22	.00	.45	.67	.67	.00	7.40
(2)	.11	.16	.03	.00	.03	.05	.00	.00	.11	.14	.52	1.06	.08	.00	.16	.24	.24	.00	2.69
19-24	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.00	.00	.00	.00	.00	.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.00	.11
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	65	121	119	60	49	38	59	53	72	112	260	151	32	20	69	58	58	0	1338
(1)	4.86	9.04	8.89	4.48	3.66	2.84	4.41	3.96	5.38	8.37	19.43	11.29	2.39	1.49	5.16	4.33	4.33	.00	100.00
(2)	1.77	3.29	3.24	1.63	1.33	1.03	1.61	1.44	1.96	3.05	7.07	4.11	.87	.54	1.88	1.58	1.58	.00	36.40

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-84 SSES 197' (60m) 2001-2006 June JFD
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197.0 FT WIND DATA		SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 28.75																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS E	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		14	52	76	25	27	24	30	15	24	22	16	11	1	0	2	4	0	343
(1)		1.32	4.92	7.19	2.37	2.55	2.27	2.84	1.42	2.27	2.08	1.51	1.04	.09	.00	.19	.38	.00	32.45
(2)		.38	1.41	2.07	.68	.73	.65	.82	.41	.65	.60	.44	.30	.03	.00	.05	.11	.00	9.33
4-7		26	117	57	21	16	13	15	19	17	35	58	30	5	7	10	6	0	452
(1)		2.46	11.07	5.39	1.99	1.51	1.23	1.42	1.80	1.61	3.31	5.49	2.84	.47	.66	.95	.57	.00	42.76
(2)		.71	3.18	1.55	.57	.44	.35	.41	.52	.46	.95	1.58	.82	.14	.19	.27	.16	.00	12.30
8-12		11	21	17	0	0	4	7	11	23	34	34	36	3	3	11	10	0	225
(1)		1.04	1.99	1.61	.00	.00	.38	.66	1.04	2.18	3.22	3.22	3.41	.28	.28	1.04	.95	.00	21.29
(2)		.30	.57	.46	.00	.00	.11	.19	.30	.63	.92	.92	.98	.08	.08	.30	.27	.00	6.12
13-18		0	8	2	0	0	0	0	1	2	3	9	8	1	0	2	1	0	37
(1)		.00	.76	.19	.00	.00	.00	.00	.09	.19	.28	.85	.76	.09	.00	.19	.09	.00	3.50
(2)		.00	.22	.05	.00	.00	.00	.00	.03	.05	.08	.24	.22	.03	.00	.05	.03	.00	1.01
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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		51	198	152	46	43	41	52	46	66	94	117	85	10	10	25	21	0	1057
(1)		4.82	18.73	14.38	4.35	4.07	3.88	4.92	4.35	6.24	8.89	11.07	8.04	.95	.95	2.37	1.99	.00	100.00
(2)		1.39	5.39	4.13	1.25	1.17	1.12	1.41	1.25	1.80	2.56	3.18	2.31	.27	.27	.68	.57	.00	28.75

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-84 SSES 197' (60m) 2001-2006 June JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 13.68																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS F	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		9	49	65	33	19	13	9	9	11	8	3	1	1	0	1	2	0	233
(1)		1.79	9.74	12.92	6.56	3.78	2.58	1.79	1.79	2.19	1.59	.60	.20	.20	.00	.20	.40	.00	46.32
(2)		.24	1.33	1.77	.90	.52	.35	.24	.24	.30	.22	.08	.03	.03	.00	.03	.05	.00	6.34
4-7		33	112	26	6	2	3	2	2	8	23	15	3	1	3	2	1	0	242
(1)		6.56	22.27	5.17	1.19	.40	.60	.40	.40	1.59	4.57	2.98	.60	.20	.60	.40	.20	.00	48.11
(2)		.90	3.05	.71	.16	.05	.08	.05	.05	.22	.63	.41	.08	.03	.08	.05	.03	.00	6.58
8-12		2	0	0	0	0	0	0	1	3	4	7	9	0	0	1	0	0	27
(1)		.40	.00	.00	.00	.00	.00	.00	.20	.60	.80	1.39	1.79	.00	.00	.20	.00	.00	5.37
(2)		.05	.00	.00	.00	.00	.00	.00	.03	.08	.11	.19	.24	.00	.00	.03	.00	.00	.73
13-18		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	.20	.00	.00	.20
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.03
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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		44	161	91	39	21	16	11	12	22	35	25	13	2	3	5	3	0	503
(1)		8.75	32.01	18.09	7.75	4.17	3.18	2.19	2.39	4.37	6.96	4.97	2.58	.40	.60	.99	.60	.00	100.00
(2)		1.20	4.38	2.48	1.06	.57	.44	.30	.33	.60	.95	.68	.35	.05	.08	.14	.08	.00	13.68

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-84 SSES 197' (60m) 2001-2006 June JFD
(Page 7 of 8)

197.0 FT WIND DATA	SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 5.28																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G													TOTAL				
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	2	21	24	12	5	8	9	11	7	5	2	0	0	1	0	0	0	107
(1)	1.03	10.82	12.37	6.19	2.58	4.12	4.64	5.67	3.61	2.58	1.03	.00	.00	.52	.00	.00	.00	55.15
(2)	.05	.57	.65	.33	.14	.22	.24	.30	.19	.14	.05	.00	.00	.03	.00	.00	.00	2.91
4-7	13	35	16	1	0	1	0	0	2	11	3	0	0	0	1	0	0	83
(1)	6.70	18.04	8.25	.52	.00	.52	.00	.00	1.03	5.67	1.55	.00	.00	.00	.52	.00	.00	42.78
(2)	.35	.95	.44	.03	.00	.03	.00	.00	.05	.30	.08	.00	.00	.00	.03	.00	.00	2.26
8-12	0	0	0	0	0	0	0	0	0	1	0	2	0	1	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	.00	1.03	.00	.52	.00	.00	.00	2.06
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.05	.00	.03	.00	.00	.00	.11
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	15	56	40	13	5	9	9	11	9	17	5	2	0	2	1	0	0	194
(1)	7.73	28.87	20.62	6.70	2.58	4.64	4.64	5.67	4.64	8.76	2.58	1.03	.00	1.03	.52	.00	.00	100.00
(2)	.41	1.52	1.09	.35	.14	.24	.24	.30	.24	.46	.14	.05	.00	.05	.03	.00	.00	5.28

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-84 SSES 197' (60m) 2001-2006 June JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES JUNE MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 100.00																	
		WIND DIRECTION FROM																	
STABILITY CLASS ALL		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	32	147	210	111	72	68	69	49	66	64	51	24	3	3	1	4	9	0	980
(1)	.87	4.00	5.71	3.02	1.96	1.85	1.88	1.33	1.80	1.74	1.39	.65	.08	.08	.03	.11	.24	.00	26.66
(2)	.87	4.00	5.71	3.02	1.96	1.85	1.88	1.33	1.80	1.74	1.39	.65	.08	.08	.03	.11	.24	.00	26.66
4-7	126	340	163	59	42	38	57	42	55	141	211	78	15	15	22	28	25	0	1450
(1)	3.43	9.25	4.43	1.61	1.36	1.03	1.55	1.14	1.50	3.84	5.74	2.12	.41	.41	.60	.76	.68	.00	39.45
(2)	3.43	9.25	4.43	1.61	1.36	1.03	1.55	1.14	1.50	3.84	5.74	2.12	.41	.41	.60	.76	.68	.00	39.45
8-12	30	77	60	4	5	11	36	38	56	80	270	161	33	33	15	71	54	0	1001
(1)	.82	2.09	1.63	.11	.14	.30	.98	1.03	1.52	2.18	7.34	4.38	.90	.90	.41	1.93	1.47	.00	27.23
(2)	.82	2.09	1.63	.11	.14	.30	.98	1.03	1.52	2.18	7.34	4.38	.90	.90	.41	1.93	1.47	.00	27.23
13-18	4	14	3	0	1	2	1	2	7	14	68	82	9	9	1	17	14	0	239
(1)	.11	.38	.08	.00	.03	.05	.03	.05	.19	.38	1.85	2.23	.24	.24	.03	.46	.38	.00	6.50
(2)	.11	.38	.08	.00	.03	.05	.03	.05	.19	.38	1.85	2.23	.24	.24	.03	.46	.38	.00	6.50
19-24	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.14	.00	.00	.00	.00	.00	.00	.16
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.14	.00	.00	.00	.00	.00	.00	.16
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	192	578	436	174	128	119	163	131	184	299	601	350	60	60	39	120	102	0	3676
(1)	5.22	15.72	11.86	4.73	3.48	3.24	4.43	3.56	5.01	8.13	16.35	9.52	1.63	1.63	1.06	3.26	2.77	.00	100.00
(2)	5.22	15.72	11.86	4.73	3.48	3.24	4.43	3.56	5.01	8.13	16.35	9.52	1.63	1.63	1.06	3.26	2.77	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-85 SSES 197' (60m) 2001-2006 July JFD

(Page 1 of 8)

197.0 FT WIND DATA		SSES JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
STABILITY CLASS A		CLASS FREQUENCY (PERCENT) = 9.06													VRBL			
		WIND DIRECTION FROM																
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	8	5	3	4	2	0	3	3	4	0	0	0	1	0	0	34
(1)	.00	.29	2.33	1.45	.87	1.16	.58	.00	.87	.87	1.16	.00	.00	.00	.29	.00	.00	9.88
(2)	.00	.03	.21	.13	.08	.11	.05	.00	.08	.08	.11	.00	.00	.00	.03	.00	.00	.90
4-7	7	10	13	11	3	2	3	1	3	14	26	8	1	1	1	1	0	105
(1)	2.03	2.91	3.78	3.20	.87	.58	.87	.29	.87	4.07	7.56	2.33	.29	.29	.29	.29	.00	30.52
(2)	.18	.26	.34	.29	.08	.05	.08	.03	.08	.37	.69	.21	.03	.03	.03	.03	.00	2.77
8-12	17	6	4	10	0	0	10	1	2	9	64	28	6	1	0	2	0	160
(1)	4.94	1.74	1.16	2.91	.00	.00	2.91	.29	.58	2.62	18.60	8.14	1.74	.29	.00	.58	.00	46.51
(2)	.45	.16	.11	.26	.00	.00	.26	.03	.05	.24	1.69	.74	.16	.03	.00	.05	.00	4.22
13-18	1	2	0	2	0	0	0	0	1	3	9	21	3	0	1	1	0	45
(1)	.29	.58	.00	.58	.00	.00	.00	.00	.29	.87	2.62	6.10	.87	.00	.29	.29	.00	13.08
(2)	.03	.05	.00	.05	.00	.00	.00	.03	.08	.03	.24	.55	.08	.00	.03	.03	.00	1.19
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	25	19	25	28	6	6	15	3	11	27	103	57	10	2	3	4	0	344
(1)	7.27	5.52	7.27	8.14	1.74	1.74	4.36	.87	3.20	7.85	29.94	16.57	2.91	.58	.87	1.16	.00	100.00
(2)	.66	.50	.66	.74	.16	.16	.40	.08	.29	.71	2.71	1.50	.26	.05	.08	.11	.00	9.06

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-85 SSES 197' (60m) 2001-2006 July JFD

(Page 2 of 8)

197.0 FT WIND DATA	SSES JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 4.69																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS B																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	2	2	1	1	2	1	0	0	0	0	0	0	0	0	0	10
(1)	.00	.00	1.12	1.12	.56	.56	1.12	.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.62
(2)	.00	.00	.05	.05	.03	.03	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26
4-7	3	12	5	3	2	1	0	0	0	6	13	2	1	1	1	3	0	53
(1)	1.69	6.74	2.81	1.69	1.12	.56	.00	.00	.00	3.37	7.30	1.12	.56	.56	.56	1.69	.00	29.78
(2)	.08	.32	.13	.08	.05	.03	.00	.00	.00	.16	.34	.05	.03	.03	.03	.08	.00	1.40
8-12	8	8	2	2	0	0	1	5	8	23	19	7	7	2	1	5	0	94
(1)	4.49	4.49	1.12	1.12	.00	.00	1.69	2.81	4.49	12.92	10.67	3.93	3.93	1.12	.56	2.81	.00	52.81
(2)	.21	.21	.05	.05	.00	.00	.08	.13	.21	.61	.50	.18	.18	.05	.03	.13	.00	2.48
13-18	2	2	0	0	0	0	0	0	1	5	9	1	1	0	0	1	0	21
(1)	1.12	1.12	.00	.00	.00	.00	.00	.00	.56	2.81	5.06	.56	.56	.00	.00	.56	.00	11.80
(2)	.05	.05	.00	.00	.00	.00	.00	.00	.03	.13	.24	.03	.03	.00	.00	.03	.00	.55
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	13	22	9	7	3	2	4	3	6	15	41	30	9	3	2	9	0	178
(1)	7.30	12.36	5.06	3.93	1.69	1.12	2.25	1.69	3.37	8.43	23.03	16.85	5.06	1.69	1.12	5.06	.00	100.00
(2)	.34	.58	.24	.18	.08	.05	.11	.08	.16	.40	1.08	.79	.24	.08	.05	.24	.00	4.69

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-85 SSES 197' (60m) 2001-2006 July JFD
(Page 3 of 8)

197.0 FT WIND DATA		SSES JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 6.25																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
																			STABILITY CLASS C
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	2	3	4	1	2	0	2	4	3	1	1	0	0	0	0	0	24
(1)	.00	.42	.84	1.27	1.69	.42	.84	.00	.84	1.69	1.27	.42	.42	.00	.00	.00	.00	.00	10.13
(2)	.00	.03	.05	.08	.11	.03	.05	.00	.05	.11	.08	.03	.03	.00	.00	.00	.00	.00	.63
4-7	8	9	6	5	2	2	5	1	1	6	21	6	1	1	4	2	0	0	80
(1)	3.38	3.80	2.53	2.11	.84	.84	2.11	.42	.42	2.53	8.86	2.53	.42	.42	1.69	.84	.00	.00	33.76
(2)	.21	.24	.16	.13	.05	.05	.13	.03	.03	.16	.55	.16	.03	.03	.11	.05	.00	.00	2.11
8-12	14	2	0	1	0	0	2	0	5	10	21	13	7	7	11	6	0	0	99
(1)	5.91	.84	.00	.42	.00	.00	.84	.00	2.11	4.22	8.86	5.49	2.95	2.95	4.64	2.53	.00	.00	41.77
(2)	.37	.05	.00	.03	.00	.00	.05	.00	.13	.26	.55	.34	.18	.18	.29	.16	.00	.00	2.61
13-18	0	3	0	0	0	0	0	0	2	3	5	19	1	0	0	0	0	0	33
(1)	.00	1.27	.00	.00	.00	.00	.00	.00	.84	1.27	2.11	8.02	.42	.00	.00	.00	.00	.00	13.92
(2)	.00	.08	.00	.00	.00	.00	.00	.00	.05	.08	.13	.50	.03	.00	.00	.00	.00	.00	.87
19-24	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	.00	.42	.00	.00	.00	.00	.00	.00	.42
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	22	15	8	9	6	3	9	1	10	23	50	40	10	8	15	8	0	0	237
(1)	9.28	6.33	3.38	3.80	2.53	1.27	3.80	.42	4.22	9.70	21.10	16.88	4.22	3.38	6.33	3.38	.00	.00	100.00
(2)	.58	.40	.21	.24	.16	.08	.24	.03	.26	.61	1.32	1.05	.26	.21	.40	.21	.00	.00	6.25

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-85 SSES 197' (60m) 2001-2006 July JFD

(Page 4 of 8)

197.0 FT WIND DATA		SSES JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL					
		CLASS FREQUENCY (PERCENT) = 31.25																		
		WIND DIRECTION FROM																		
SPEED MPH	STABILITY CLASS D	WIND DIRECTION FROM													TOTAL					
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL	
CALM		0	0	0	0	1	0	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	.00	.08
(2)		.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
C-3		4	14	25	23	16	19	19	13	24	24	15	10	3	2	1	1	1	0	213
(1)		.34	1.18	2.11	1.94	1.35	1.60	1.60	1.10	2.02	2.02	1.26	.84	.25	.17	.08	.08	.08	.00	17.96
(2)		.11	.37	.66	.61	.42	.50	.50	.34	.63	.63	.40	.26	.08	.05	.03	.03	.03	.00	5.61
4-7		25	47	38	29	16	19	21	30	16	46	72	28	7	9	15	12	0	0	430
(1)		2.11	3.96	3.20	2.45	1.35	1.60	1.77	2.53	1.35	3.88	6.07	2.36	.59	.76	1.26	1.01	.00	.00	36.26
(2)		.66	1.24	1.00	.76	.42	.50	.55	.79	.42	1.21	1.90	.74	.18	.24	.40	.32	.00	.00	11.33
8-12		24	36	7	3	7	11	18	12	39	33	75	72	17	12	20	27	0	0	413
(1)		2.02	3.04	.59	.25	.59	.93	1.52	1.01	3.29	2.78	6.32	6.07	1.43	1.01	1.69	2.28	.00	.00	34.82
(2)		.63	.95	.18	.08	.18	.29	.47	.32	1.03	.87	1.98	1.90	.45	.32	.53	.71	.00	.00	10.88
13-18		2	6	0	0	0	0	2	1	5	16	39	50	1	2	1	0	0	0	125
(1)		.17	.51	.00	.00	.00	.00	.17	.08	.42	1.35	3.29	4.22	.08	.17	.08	.00	.00	.00	10.54
(2)		.05	.16	.00	.00	.00	.00	.05	.03	.13	.42	1.03	1.32	.03	.05	.03	.00	.00	.00	3.29
19-24		0	0	0	0	0	0	0	0	1	2	0	1	0	0	0	0	0	0	4
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.08	.17	.00	.08	.00	.00	.00	.00	.00	.00	.34
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.03	.05	.00	.03	.00	.00	.00	.00	.00	.00	.11
GT 24		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	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		55	103	70	55	40	49	60	56	85	121	201	161	28	25	37	40	0	0	1186
(1)		4.64	8.68	5.90	4.64	3.37	4.13	5.06	4.72	7.17	10.20	16.95	13.58	2.36	2.11	3.12	3.37	.00	.00	100.00
(2)		1.45	2.71	1.84	1.45	1.05	1.29	1.58	1.48	2.24	3.19	5.30	4.24	.74	.66	.97	1.05	.00	.00	31.25

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-85 SSES 197' (60m) 2001-2006 July JFD
(Page 5 of 8)

197.0 FT WIND DATA		SSES JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL								
		CLASS FREQUENCY (PERCENT) = 29.41																					
		WIND DIRECTION FROM																					
SPEED MPH	STABILITY CLASS E	WIND DIRECTION FROM													TOTAL								
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL				
CALM		0	0	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	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		6	49	102	44	42	27	34	34	31	25	18	5	2	0	0	1	2	2	0	0	0	422
(1)		.54	4.39	9.14	3.94	3.76	2.42	3.05	3.05	2.78	2.24	1.61	.45	.18	.00	.09	.18	.18	.63	.00	.00	.00	37.81
(2)		.16	1.29	2.69	1.16	1.11	.71	.90	.90	.82	.66	.47	.13	.05	.00	.03	.05	.05	.18	.00	.00	.00	11.12
4-7		52	122	58	14	18	8	20	13	18	40	66	18	3	3	2	7	7	0	0	0	0	462
(1)		4.66	10.93	5.20	1.25	1.61	.72	1.79	1.16	1.61	3.58	5.91	1.61	.27	.27	.18	.63	.63	.00	.00	.00	.00	41.40
(2)		1.37	3.21	1.53	.37	.47	.21	.53	.34	.47	1.05	1.74	.47	.08	.08	.05	.18	.18	.00	.00	.00	.00	12.17
8-12		2	9	3	2	7	4	8	4	18	42	43	42	2	4	14	10	10	0	0	0	0	214
(1)		.18	.81	.27	.18	.63	.36	.72	.36	1.61	3.76	3.85	3.76	.18	.36	1.25	.90	.90	.00	.00	.00	.00	19.18
(2)		.05	.24	.08	.05	.18	.11	.21	.11	.47	1.11	1.13	1.11	.05	.11	.37	.26	.26	.00	.00	.00	.00	5.64
13-18		1	0	0	0	0	0	1	0	3	2	4	3	2	0	0	1	1	0	0	0	0	17
(1)		.09	.00	.00	.00	.00	.00	.09	.00	.27	.18	.36	.27	.18	.00	.00	.09	.09	.00	.00	.00	.00	1.52
(2)		.03	.00	.00	.00	.00	.00	.03	.00	.08	.05	.11	.08	.05	.00	.00	.03	.03	.00	.00	.00	.00	.45
19-24		0	0	0	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	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
GT 24		0	0	0	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	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		61	180	163	60	67	39	63	51	70	109	131	69	9	7	17	20	20	0	0	0	0	1116
(1)		5.47	16.13	14.61	5.38	6.00	3.49	5.65	4.57	6.27	9.77	11.74	6.18	.81	.63	1.52	1.79	1.79	.00	.00	.00	.00	100.00
(2)		1.61	4.74	4.30	1.58	1.77	1.03	1.66	1.34	1.84	2.87	3.45	1.82	.24	.18	.45	.53	.53	.00	.00	.00	.00	29.41

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-85 SSES 197' (60m) 2001-2006 July JFD
(Page 7 of 8)

197.0 FT WIND DATA		STABILITY CLASS G													WIND DIRECTION FROM													TOTAL	
		SSES JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER) CLASS FREQUENCY (PERCENT) = 4.11													CLASS FREQUENCY (PERCENT) = 4.11														
SPEED MPH		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL										
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										
C-3		3	9	21	8	8	9	5	3	3	0	1	0	0	0	1	0	0	71										
(1)		1.92	5.77	13.46	5.13	5.13	5.77	3.21	1.92	1.92	.00	.64	.00	.00	.00	.64	.00	.00	45.51										
(2)		.08	.24	.55	.21	.21	.24	.13	.08	.08	.00	.03	.00	.00	.00	.03	.00	.00	1.87										
4-7		5	36	12	2	0	0	2	0	1	7	10	3	0	1	2	1	0	82										
(1)		3.21	23.08	7.69	1.28	.00	.00	1.28	.00	.64	4.49	6.41	1.92	.00	.64	1.28	.64	.00	52.56										
(2)		.13	.95	.32	.05	.00	.00	.05	.00	.03	.18	.26	.08	.00	.03	.05	.03	.00	2.16										
8-12		0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	3										
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.64	.64	.00	.00	.64	.00	.00	1.92										
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00	.03	.00	.00	.08										
13-18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	45	33	10	8	9	7	3	4	7	12	4	0	1	4	1	0	156										
(1)		5.13	28.85	21.15	6.41	5.13	5.77	4.49	1.92	2.56	4.49	7.69	2.56	.00	.64	2.56	.64	.00	100.00										
(2)		.21	1.19	.87	.26	.21	.24	.18	.08	.11	.18	.32	.11	.00	.03	.11	.03	.00	4.11										

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-85 SSES 197' (60m) 2001-2006 July JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSS JULY MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL					
		CLASS FREQUENCY (PERCENT) = 100.00																		
		WIND DIRECTION FROM																		
SPEED MPH	STABILITY CLASS ALL	WIND DIRECTION FROM													TOTAL					
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL	
CALM		0	0	0	0	1	0	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	.00	.03
(2)		.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
C-3		21	130	215	110	97	90	89	77	89	62	46	19	6	2	5	3	0	0	1061
(1)		.55	3.43	5.67	2.90	2.56	2.37	2.35	2.03	2.35	1.63	1.21	.50	.16	.05	.13	.08	.00	.00	27.96
(2)		.55	3.43	5.67	2.90	2.56	2.37	2.35	2.03	2.35	1.63	1.21	.50	.16	.05	.13	.08	.00	.00	27.96
4-7		119	387	165	66	50	36	52	46	45	138	224	67	14	16	28	27	0	0	1480
(1)		3.14	10.20	4.35	1.74	1.32	.95	1.37	1.21	1.19	3.64	5.90	1.77	.37	.42	.74	.71	.00	.00	39.00
(2)		3.14	10.20	4.35	1.74	1.32	.95	1.37	1.21	1.19	3.64	5.90	1.77	.37	.42	.74	.71	.00	.00	39.00
8-12		67	63	16	18	14	15	41	18	69	103	232	187	39	26	48	50	0	0	1006
(1)		1.77	1.66	.42	.47	.37	.40	1.08	.47	1.82	2.71	6.11	4.93	1.03	.69	1.26	1.32	.00	.00	26.51
(2)		1.77	1.66	.42	.47	.37	.40	1.08	.47	1.82	2.71	6.11	4.93	1.03	.69	1.26	1.32	.00	.00	26.51
13-18		6	13	0	2	0	0	3	2	13	23	62	102	8	2	2	3	0	0	241
(1)		.16	.34	.00	.05	.00	.00	.08	.05	.34	.61	1.63	2.69	.21	.05	.05	.08	.00	.00	6.35
(2)		.16	.34	.00	.05	.00	.00	.08	.05	.34	.61	1.63	2.69	.21	.05	.05	.08	.00	.00	6.35
19-24		0	0	0	0	0	0	0	0	1	2	0	3	0	0	0	0	0	0	6
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.03	.05	.00	.08	.00	.00	.00	.00	.00	.00	.16
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.03	.05	.00	.08	.00	.00	.00	.00	.00	.00	.16
GT 24		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	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		213	593	396	196	162	141	185	143	217	328	564	378	67	46	83	83	0	0	3795
(1)		5.61	15.63	10.43	5.16	4.27	3.72	4.87	3.77	5.72	8.64	14.86	9.96	1.77	1.21	2.19	2.19	.00	.00	100.00
(2)		5.61	15.63	10.43	5.16	4.27	3.72	4.87	3.77	5.72	8.64	14.86	9.96	1.77	1.21	2.19	2.19	.00	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-86 SSES 197' (60m) 2001-2006 August JFD
(Page 1 of 8)

197.0 FT WIND DATA		SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 10.94				
STABILITY CLASS A		WIND DIRECTION FROM													TOTAL				
SPEED MPH		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	3	12	10	7	4	4	4	1	4	8	4	1	0	1	0	0	0	59
(1)	.00	.62	2.48	2.07	1.45	.83	.83	.83	.21	.83	1.65	.83	.21	.00	.21	.00	.00	.00	12.19
(2)	.00	.07	.27	.23	.16	.09	.09	.09	.02	.09	.18	.09	.02	.00	.02	.00	.00	.00	1.33
4-7	7	9	25	6	4	4	4	8	7	12	17	35	5	0	0	1	0	0	140
(1)	1.45	1.86	5.17	1.24	.83	.83	1.65	1.65	1.45	2.48	3.51	7.23	1.03	.00	.00	.21	.00	.00	28.93
(2)	.16	.20	.57	.14	.09	.09	.18	.18	.16	.27	.38	.79	.11	.00	.00	.02	.00	.00	3.16
8-12	20	17	7	0	0	0	0	0	4	12	18	76	33	15	6	2	6	0	216
(1)	4.13	3.51	1.45	.00	.00	.00	.00	.00	.83	2.48	3.72	15.70	6.82	3.10	1.24	.41	1.24	.00	44.63
(2)	.45	.38	.16	.00	.00	.00	.00	.00	.09	.27	.41	1.72	.75	.34	.14	.05	.14	.00	4.88
13-18	2	7	0	0	0	0	3	0	0	5	4	24	21	3	0	0	0	0	69
(1)	.41	1.45	.00	.00	.00	.00	.62	.00	.00	1.03	.83	4.96	4.34	.62	.00	.00	.00	.00	14.26
(2)	.05	.16	.00	.00	.00	.00	.07	.00	.00	.11	.09	.54	.47	.07	.00	.00	.00	.00	1.56
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	29	36	44	16	11	11	12	12	12	33	47	139	60	18	7	3	6	0	484
(1)	5.99	7.44	9.09	3.31	2.27	2.27	2.48	2.48	2.48	6.82	9.71	28.72	12.40	3.72	1.45	.62	1.24	.00	100.00
(2)	.66	.81	.99	.36	.25	.25	.27	.27	.27	.75	1.06	3.14	1.36	.41	.16	.07	.14	.00	10.94

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-86 SSES 197' (60m) 2001-2006 August JFD
(Page 2 of 8)

197.0 FT WIND DATA		SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 3.89																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
																			STABILITY CLASS B
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	2	3	5	5	2	1	0	0	1	0	0	0	0	1	0	0	0	21
(1)	.58	1.16	1.74	2.91	2.91	1.16	.58	.00	.00	.58	.00	.00	.00	.00	.58	.00	.00	.00	12.21
(2)	.02	.05	.07	.11	.11	.05	.02	.00	.00	.02	.00	.00	.00	.00	.02	.00	.00	.00	.47
4-7	4	8	8	8	0	2	1	2	2	4	12	0	0	1	1	0	0	0	53
(1)	2.33	4.65	4.65	4.65	.00	1.16	.58	1.16	1.16	2.33	6.98	.00	.00	.58	.58	.00	.00	.00	30.81
(2)	.09	.18	.18	.18	.00	.05	.02	.05	.05	.09	.27	.00	.00	.02	.02	.00	.00	.00	1.20
8-12	7	11	0	0	1	0	1	1	1	5	26	11	4	4	2	5	0	0	79
(1)	4.07	6.40	.00	.00	.58	.00	.58	.58	.58	2.91	15.12	6.40	2.33	2.33	1.16	2.91	.00	.00	45.93
(2)	.16	.25	.00	.00	.02	.00	.02	.02	.02	.11	.59	.25	.09	.09	.05	.11	.00	.00	1.79
13-18	4	1	0	0	0	1	0	0	1	5	2	4	1	0	0	0	0	0	19
(1)	2.33	.58	.00	.00	.00	.58	.00	.00	.58	2.91	1.16	2.33	.58	.00	.00	.00	.00	.00	11.05
(2)	.09	.02	.00	.00	.00	.02	.00	.00	.02	.11	.05	.09	.02	.00	.00	.00	.00	.00	.43
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	16	22	11	13	6	5	3	3	4	15	40	15	5	5	4	5	0	0	172
(1)	9.30	12.79	6.40	7.56	3.49	2.91	1.74	1.74	2.33	8.72	23.26	8.72	2.91	2.91	2.33	2.91	.00	.00	100.00
(2)	.36	.50	.25	.29	.14	.11	.07	.07	.09	.34	.90	.34	.11	.11	.09	.11	.00	.00	3.89

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-86 SSES 197' (60m) 2001-2006 August JFD
(Page 3 of 8)

197.0 FT WIND DATA		SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		CLASS FREQUENCY (PERCENT) = 4.91																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS C	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		1	4	4	7	5	1	2	6	3	1	0	0	1	0	1	0	36
(1)		.46	1.84	1.84	3.23	2.30	.46	.92	2.76	1.38	.46	.00	.00	.46	.00	.46	.00	16.59
(2)		.02	.09	.09	.16	.11	.02	.05	.14	.07	.02	.00	.00	.02	.00	.02	.00	.81
4-7		3	12	7	4	2	0	4	4	9	10	1	0	1	0	1	0	58
(1)		1.38	5.53	3.23	1.84	.92	.00	1.84	1.84	4.15	4.61	.46	.00	.46	.00	.46	.00	26.73
(2)		.07	.27	.16	.09	.05	.00	.09	.09	.20	.23	.02	.00	.02	.00	.02	.00	1.31
8-12		10	10	4	0	0	0	1	2	3	28	23	4	2	3	6	0	99
(1)		4.61	4.61	1.84	.00	.00	.46	.92	1.38	1.38	12.90	10.60	1.84	.92	1.38	2.76	.00	45.62
(2)		.23	.23	.09	.00	.00	.02	.05	.07	.07	.63	.52	.09	.05	.07	.14	.00	2.24
13-18		1	2	0	0	0	0	0	0	3	7	6	0	2	0	0	0	21
(1)		.46	.92	.00	.00	.00	.00	.00	.00	1.38	3.23	2.76	.00	.92	.00	.00	.00	9.68
(2)		.02	.05	.00	.00	.00	.00	.00	.00	.07	.16	.14	.00	.05	.00	.00	.00	.47
19-24		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	1.38	.00	.00	.00	.00	.00	1.38
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00	.07
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		15	28	15	11	7	1	8	13	18	46	33	4	6	3	8	0	217
(1)		6.91	12.90	6.91	5.07	3.23	.46	3.69	5.99	8.29	21.20	15.21	1.84	2.76	1.38	3.69	.00	100.00
(2)		.34	.63	.34	.25	.16	.02	.18	.29	.41	1.04	.75	.09	.14	.07	.18	.00	4.91

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-86 SSES 197' (60m) 2001-2006 August JFD
(Page 4 of 8)

197.0 FT WIND DATA	SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 27.44																	
	WIND DIRECTION FROM																	
STABILITY CLASS D	WIND DIRECTION FROM													TOTAL				
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	12	54	52	22	30	14	16	19	27	21	22	11	3	2	3	6	0	314
(1)	.99	4.45	4.28	1.81	2.47	1.15	1.32	1.57	2.22	1.73	1.81	.91	.25	.16	.25	.49	.00	25.86
(2)	.27	1.22	1.18	.50	.68	.32	.36	.43	.61	.47	.50	.25	.07	.05	.07	.14	.00	7.10
4-7	29	61	24	17	17	15	18	17	21	47	75	28	12	7	4	16	0	408
(1)	2.39	5.02	1.98	1.40	1.40	1.24	1.48	1.40	1.73	3.87	6.18	2.31	.99	.58	.33	1.32	.00	33.61
(2)	.66	1.38	.54	.38	.38	.34	.41	.38	.47	1.06	1.70	.63	.27	.16	.09	.36	.00	9.22
8-12	52	48	22	2	6	19	3	17	26	36	76	54	10	13	14	31	0	429
(1)	4.28	3.95	1.81	.16	.49	1.57	.25	1.40	2.14	2.97	6.26	4.45	.82	1.07	1.15	2.55	.00	35.34
(2)	1.18	1.08	.50	.05	.14	.43	.07	.38	.59	.81	1.72	1.22	.23	.29	.32	.70	.00	9.70
13-18	3	4	0	0	3	3	0	0	10	10	10	11	4	1	1	3	0	63
(1)	.25	.33	.00	.00	.25	.25	.00	.00	.82	.82	.82	.91	.33	.08	.08	.25	.00	5.19
(2)	.07	.09	.00	.00	.07	.07	.00	.00	.23	.23	.23	.25	.09	.02	.02	.07	.00	1.42
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	96	167	98	41	56	51	37	53	84	114	183	104	29	23	22	56	0	1214
(1)	7.91	13.76	8.07	3.38	4.61	4.20	3.05	4.37	6.92	9.39	15.07	8.57	2.39	1.89	1.81	4.61	.00	100.00
(2)	2.17	3.77	2.22	.93	1.27	1.15	.84	1.20	1.90	2.58	4.14	2.35	.66	.52	.50	1.27	.00	27.44

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Table 2.7-86 SSES 197' (60m) 2001-2006 August JFD
(Page 5 of 8)

197.0 FT WIND DATA		SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL					
		CLASS FREQUENCY (PERCENT) = 32.32																		
		WIND DIRECTION FROM																		
SPEED MPH	STABILITY CLASS E	WIND DIRECTION FROM													TOTAL					
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL	
CALM		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)		.00	.00	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07
(2)		.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3		23	91	106	49	40	32	28	28	36	24	15	7	6	5	2	6	6	0	498
(1)		1.61	6.36	7.41	3.43	2.80	2.24	1.96	1.96	2.52	1.68	1.05	.49	.42	.35	.14	.42	.42	.00	34.83
(2)		.52	2.06	2.40	1.11	.90	.72	.63	.63	.81	.54	.34	.16	.14	.11	.05	.14	.14	.00	11.26
4-7		68	203	65	24	15	14	26	38	54	48	60	16	4	6	5	5	5	0	651
(1)		4.76	14.20	4.55	1.68	1.05	.98	1.82	2.66	3.78	3.36	4.20	1.12	.28	.42	.35	.35	.42	.00	45.52
(2)		1.54	4.59	1.47	.54	.34	.32	.59	.86	1.22	1.08	1.36	.36	.09	.14	.11	.11	.14	.00	14.72
8-12		17	30	20	1	2	2	5	13	29	49	39	30	1	2	3	7	7	0	250
(1)		1.19	2.10	1.40	.07	.14	.14	.35	.91	2.03	3.43	2.73	2.10	.07	.14	.21	.49	.49	.00	17.48
(2)		.38	.68	.45	.02	.05	.05	.11	.29	.66	1.11	.88	.68	.02	.05	.07	.16	.16	.00	5.65
13-18		0	1	1	0	0	0	1	3	6	7	2	4	0	0	0	1	1	0	26
(1)		.00	.07	.07	.00	.00	.00	.07	.21	.42	.49	.14	.28	.00	.00	.00	.07	.07	.00	1.82
(2)		.00	.02	.02	.00	.00	.00	.02	.07	.14	.16	.05	.09	.00	.00	.00	.02	.02	.00	.59
19-24		0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4
(1)		.00	.00	.00	.00	.00	.00	.00	.07	.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28
(2)		.00	.00	.00	.00	.00	.00	.00	.02	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09
GT 24		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	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		108	325	193	74	57	48	60	83	128	128	116	57	11	13	10	19	19	0	1430
(1)		7.55	22.73	13.50	5.17	3.99	3.36	4.20	5.80	8.95	8.95	8.11	3.99	.77	.91	.70	1.33	1.33	.00	100.00
(2)		2.44	7.35	4.36	1.67	1.29	1.08	1.36	1.88	2.89	2.89	2.62	1.29	.25	.29	.23	.43	.43	.00	32.32

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-86 SSES 197' (60m) 2001-2006 August JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		STABILITY CLASS F		CLASS FREQUENCY (PERCENT) = 15.12															
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	11	72	68	29	28	22	21	15	14	3	3	2	2	1	0	2	0	293	
(1)	1.64	10.76	10.16	4.33	4.19	3.29	3.14	2.24	2.09	.45	.45	.30	.30	.15	.00	.30	.00	43.80	
(2)	.25	1.63	1.54	.66	.63	.50	.47	.34	.32	.07	.07	.05	.05	.02	.00	.05	.00	6.62	
4-7	50	210	23	1	3	1	2	4	4	12	17	6	1	0	1	1	0	336	
(1)	7.47	31.39	3.44	.15	.45	.15	.30	.60	.60	1.79	2.54	.90	.15	.00	.15	.15	.00	50.22	
(2)	1.13	4.75	.52	.02	.07	.02	.05	.09	.09	.27	.38	.14	.02	.00	.02	.02	.00	7.59	
8-12	5	1	1	0	0	0	0	0	0	0	15	18	0	0	0	0	0	40	
(1)	.75	.15	.15	.00	.00	.00	.00	.00	.00	.00	2.24	2.69	.00	.00	.00	.00	.00	5.98	
(2)	.11	.02	.02	.00	.00	.00	.00	.00	.00	.00	.34	.41	.00	.00	.00	.00	.00	.90	
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	66	283	92	30	31	23	23	19	18	15	35	26	3	1	1	3	0	669	
(1)	9.87	42.30	13.75	4.48	4.63	3.44	3.44	2.84	2.69	2.24	5.23	3.89	.45	.15	.15	.45	.00	100.00	
(2)	1.49	6.40	2.08	.68	.70	.52	.52	.43	.41	.34	.79	.59	.07	.02	.02	.07	.00	15.12	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-86 SSES 197' (60m) 2001-2006 August JFD
(Page 7 of 8)

197.0 FT WIND DATA	SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
	CLASS FREQUENCY (PERCENT) = 5.38																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G													TOTAL				
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	5	26	23	18	9	9	4	6	3	5	3	0	0	0	0	1	0	112
(1)	2.10	10.92	9.66	7.56	3.78	3.78	1.68	2.52	1.26	2.10	1.26	.00	.00	.00	.00	.42	.00	47.06
(2)	.11	.59	.52	.41	.20	.20	.09	.14	.07	.11	.07	.00	.00	.00	.00	.02	.00	2.53
4-7	19	71	11	2	1	0	0	0	3	6	7	1	0	0	1	0	0	122
(1)	7.98	29.83	4.62	.84	.42	.00	.00	.00	1.26	2.52	2.94	.42	.00	.00	.42	.00	.00	51.26
(2)	.43	1.60	.25	.05	.02	.00	.00	.00	.07	.14	.16	.02	.00	.00	.02	.00	.00	2.76
8-12	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	4
(1)	.84	.42	.00	.00	.00	.00	.00	.00	.00	.00	.42	.00	.00	.00	.00	.00	.00	1.68
(2)	.05	.02	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.09
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	26	98	34	20	10	9	4	6	6	11	11	1	0	0	1	1	0	238
(1)	10.92	41.18	14.29	8.40	4.20	3.78	1.68	2.52	2.52	4.62	4.62	.42	.00	.00	.42	.42	.00	100.00
(2)	.59	2.22	.77	.45	.23	.20	.09	.14	.14	.25	.25	.02	.00	.00	.02	.02	.00	5.38

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-86 SSES 197' (60m) 2001-2006 August JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES AUGUST MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00																
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	WIND DIRECTION FROM				SW	WSW	W	WNW	NW	NNW	VRBL
								S	SSE	SSE	SSE							
CALM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
(2)	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3	53	252	268	140	124	84	74	71	90	65	48	21	11	10	6	16	0	1333
(1)	1.20	5.70	6.06	3.16	2.80	1.90	1.67	1.60	2.03	1.47	1.08	.47	.25	.23	.14	.36	.00	30.13
(2)	1.20	5.70	6.06	3.16	2.80	1.90	1.67	1.60	2.03	1.47	1.08	.47	.25	.23	.14	.36	.00	30.13
4-7	180	574	163	62	42	36	55	72	100	143	216	57	17	15	13	23	0	1768
(1)	4.07	12.97	3.68	1.40	.95	.81	1.24	1.63	2.26	3.23	4.88	1.29	.38	.34	.29	.52	.00	39.96
(2)	4.07	12.97	3.68	1.40	.95	.81	1.24	1.63	2.26	3.23	4.88	1.29	.38	.34	.29	.52	.00	39.96
8-12	113	118	54	3	9	21	10	37	71	111	261	169	34	27	24	55	0	1117
(1)	2.55	2.67	1.22	.07	.20	.47	.23	.84	1.60	2.51	5.90	3.82	.77	.61	.54	1.24	.00	25.25
(2)	2.55	2.67	1.22	.07	.20	.47	.23	.84	1.60	2.51	5.90	3.82	.77	.61	.54	1.24	.00	25.25
13-18	10	15	1	0	3	7	1	3	22	29	45	46	8	3	1	4	0	198
(1)	.23	.34	.02	.00	.07	.16	.02	.07	.50	.66	1.02	1.04	.18	.07	.02	.09	.00	4.48
(2)	.23	.34	.02	.00	.07	.16	.02	.07	.50	.66	1.02	1.04	.18	.07	.02	.09	.00	4.48
19-24	0	0	0	0	0	0	0	1	3	0	0	3	0	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.02	.07	.00	.00	.07	.00	.00	.00	.00	.00	.16
(2)	.00	.00	.00	.00	.00	.00	.00	.02	.07	.00	.00	.07	.00	.00	.00	.00	.00	.16
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	356	959	487	205	178	148	140	184	286	348	570	296	70	55	44	98	0	4424
(1)	8.05	21.68	11.01	4.63	4.02	3.35	3.16	4.16	6.46	7.87	12.88	6.69	1.58	1.24	.99	2.22	.00	100.00
(2)	8.05	21.68	11.01	4.63	4.02	3.35	3.16	4.16	6.46	7.87	12.88	6.69	1.58	1.24	.99	2.22	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-87 SSES 197' (60m) 2001-2006 September JFD
(Page 1 of 8)

197.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
STABILITY CLASS A		CLASS FREQUENCY (PERCENT) = 7.03													VRBL				
		WIND DIRECTION FROM																	
SPEED MPH		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	3	6	8	3	5	2	2	3	8	6	4	0	0	0	0	0	0	49
(1)	.33	.99	1.98	2.64	.99	1.65	.66	.66	.99	2.64	1.98	1.32	.00	.00	.00	.00	.00	.00	16.17
(2)	.02	.07	.14	.19	.07	.12	.05	.05	.07	.19	.14	.09	.00	.00	.00	.00	.00	.00	1.14
4-7	2	18	13	8	2	3	6	6	9	6	10	19	5	0	0	3	2	0	106
(1)	.66	5.94	4.29	2.64	.66	.99	1.98	2.97	1.98	3.30	6.27	1.65	.00	.00	.00	.99	.66	.00	34.98
(2)	.05	.42	.30	.19	.05	.07	.14	.21	.23	.14	.44	.12	.00	.00	.00	.07	.05	.00	2.46
8-12	8	6	1	0	0	0	2	2	12	16	16	34	12	3	2	2	2	0	116
(1)	2.64	1.98	.33	.00	.00	.00	.66	.66	3.96	5.28	5.28	11.22	3.96	.99	.66	.66	.66	.00	38.28
(2)	.19	.14	.02	.00	.00	.00	.05	.05	.28	.37	.37	.79	.28	.07	.05	.05	.05	.00	2.69
13-18	0	1	4	0	0	0	0	0	2	6	8	6	5	0	0	0	0	0	32
(1)	.00	.33	1.32	.00	.00	.00	.00	.00	.66	1.98	2.64	1.98	1.65	.00	.00	.00	.00	.00	10.56
(2)	.00	.02	.09	.00	.00	.00	.00	.00	.05	.14	.19	.14	.12	.00	.00	.00	.00	.00	.74
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	11	28	24	16	5	8	10	26	36	40	63	22	3	2	2	5	4	0	303
(1)	3.63	9.24	7.92	5.28	1.65	2.64	3.30	8.58	11.88	13.20	20.79	7.26	.99	.66	.66	1.65	1.32	.00	100.00
(2)	.26	.65	.56	.37	.12	.19	.23	.60	.84	.93	1.46	.51	.07	.05	.05	.12	.09	.00	7.03

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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Table 2.7-87 SSES 197' (60m) 2001-2006 September JFD
(Page 2 of 8)

197.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.74																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	3	4	4	2	2	1	0	1	4	0	0	0	0	0	0	0	0	19
(1)	.00	1.86	2.48	2.48	1.24	1.24	.62	.00	.62	2.48	.00	.00	.00	.00	.00	.00	.00	.00	11.80
(2)	.00	.07	.09	.09	.05	.05	.02	.00	.02	.09	.00	.00	.00	.00	.00	.00	.00	.00	.44
4-7	2	3	7	1	2	2	1	1	4	6	19	2	3	0	2	3	0	0	56
(1)	1.24	1.86	4.35	.62	1.24	1.24	.62	.62	2.48	3.73	11.80	1.24	1.86	.00	1.24	1.86	.00	.00	34.78
(2)	.05	.07	.16	.02	.05	.05	.02	.02	.09	.14	.44	.05	.07	.00	.05	.07	.00	.00	1.30
8-12	6	10	4	0	0	0	3	1	4	4	17	2	5	7	3	6	0	0	72
(1)	3.73	6.21	2.48	.00	.00	.00	1.86	.62	2.48	2.48	10.56	1.24	3.11	4.35	1.86	3.73	.00	.00	44.72
(2)	.14	.23	.09	.00	.00	.00	.07	.02	.09	.09	.39	.05	.12	.16	.07	.14	.00	.00	1.67
13-18	0	1	0	0	0	0	0	2	0	1	2	5	1	0	0	0	0	0	12
(1)	.00	.62	.00	.00	.00	.00	.00	1.24	.00	.62	1.24	3.11	.62	.00	.00	.00	.00	.00	7.45
(2)	.00	.02	.00	.00	.00	.00	.00	.05	.00	.02	.05	.12	.02	.00	.00	.00	.00	.00	.28
19-24	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	.00	.62	.62	.00	.00	1.24
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.05
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	8	17	15	5	4	4	5	4	9	15	38	9	9	7	6	10	0	0	161
(1)	4.97	10.56	9.32	3.11	.00	2.48	3.11	2.48	5.59	9.32	23.60	5.59	5.59	4.35	3.73	6.21	.00	.00	100.00
(2)	.19	.39	.35	.12	.00	.09	.12	.09	.21	.35	.88	.21	.21	.16	.14	.23	.00	.00	3.74

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-87 SSES 197' (60m) 2001-2006 September JFD
(Page 3 of 8)

SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
CLASS FREQUENCY (PERCENT) = 5.10

197.0 FT WIND DATA	WIND DIRECTION FROM																TOTAL																					
	STABILITY CLASS C		N		NNE		NE		ENE		E		ESE		SE			SSE		S		SSW		SW		WSW		W		WNW		NW		NNW		VRBL		
SPEED MPH																																						
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	3	1	3	5	4	2	3	3	3	1	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	1.36	.45	1.36	2.27	1.82	.91	1.36	1.36	1.36	.45	2.27	.91	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.07	.02	.07	.12	.09	.05	.07	.07	.07	.02	.12	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4-7	2	13	9	3	1	2	1	2	1	2	5	20	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.91	5.91	4.09	1.36	.45	.91	.45	.91	.45	.91	2.27	9.09	2.73	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.05	.30	.21	.07	.02	.05	.02	.05	.02	.05	.12	.46	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8-12	13	14	3	1	0	1	2	2	2	5	7	16	8	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	5.91	6.36	1.36	.45	.00	.45	.91	.91	.91	2.27	3.18	7.27	3.64	1.82	1.82	1.82	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.30	.32	.07	.02	.00	.02	.05	.05	.05	.12	.16	.37	.19	.09	.09	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	2	3	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.91	1.36	.00	.00	.00	.00	.00	.00	.00	.00	.91	.00	1.82	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.05	.07	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	20	31	15	9	5	5	6	6	6	8	11	23	18	4	4	4	12	5	10	10	12	5	12	5	12	5	10	5	10	5	10	5	10	5	10	5	10	
(1)	9.09	14.09	6.82	4.09	2.27	2.27	2.73	2.73	2.73	3.64	5.00	10.45	8.18	1.82	1.82	5.45	2.27	4.55	4.55	5.45	5.45	2.27	5.45	2.27	5.45	2.27	4.55	2.27	4.55	2.27	4.55	2.27	4.55	2.27	4.55	2.27		
(2)	.46	.72	.35	.21	.12	.12	.14	.14	.14	.19	.26	.53	.42	.09	.09	.28	.12	.23	.23	.28	.28	.12	.28	.12	.28	.12	.23	.12	.23	.12	.23	.12	.23	.12	.23			

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-87 SSES 197' (60m) 2001-2006 September JFD
(Page 4 of 8)

197.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													VRBL		TOTAL	
		CLASS FREQUENCY (PERCENT) = 29.10																
		WIND DIRECTION FROM																
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	
																		STABILITY CLASS D
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	6	34	61	23	22	23	12	14	27	21	23	3	3	3	2	5	5	282
(1)	.48	2.71	4.86	1.83	1.75	1.83	.96	1.12	2.15	1.67	1.83	.24	.24	.24	.16	.40	.40	22.49
(2)	.14	.79	1.42	.53	.51	.53	.28	.32	.63	.49	.53	.07	.07	.07	.05	.12	.12	6.54
4-7	31	60	44	14	19	13	15	13	17	35	54	25	12	7	7	19	19	385
(1)	2.47	4.78	3.51	1.12	1.52	1.04	1.20	1.04	1.36	2.79	4.31	1.99	.96	.56	.56	1.52	1.52	30.70
(2)	.72	1.39	1.02	.32	.44	.30	.35	.30	.39	.81	1.25	.58	.28	.16	.16	.44	.44	8.93
8-12	42	75	23	10	7	19	16	17	35	35	50	47	14	13	22	27	27	452
(1)	3.35	5.98	1.83	.80	.56	1.52	1.28	1.36	2.79	2.79	3.99	3.75	1.12	1.04	1.75	2.15	2.15	36.04
(2)	.97	1.74	.53	.23	.16	.44	.37	.39	.81	.81	1.16	1.09	.32	.30	.51	.63	.63	10.49
13-18	5	15	3	4	0	1	3	4	5	22	6	31	7	2	8	4	4	120
(1)	.40	1.20	.24	.32	.00	.08	.24	.32	.40	1.75	.48	2.47	.56	.16	.64	.32	.32	9.57
(2)	.12	.35	.07	.09	.00	.02	.07	.09	.12	.51	.14	.72	.16	.05	.19	.09	.09	2.78
19-24	0	0	1	1	0	0	0	0	4	3	0	0	1	0	0	0	0	10
(1)	.00	.00	.08	.08	.00	.00	.00	.00	.32	.24	.00	.00	.08	.00	.00	.00	.00	.80
(2)	.00	.00	.02	.02	.00	.00	.00	.00	.09	.07	.00	.00	.02	.00	.00	.00	.00	.23
GT 24	0	0	0	2	0	0	1	0	2	0	0	0	0	0	0	0	0	5
(1)	.00	.00	.00	.16	.00	.00	.08	.00	.16	.00	.00	.00	.00	.00	.00	.00	.00	.40
(2)	.00	.00	.00	.05	.00	.00	.02	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.12
ALL SPEEDS	84	184	132	54	48	56	47	48	90	116	133	106	37	25	39	55	55	1254
(1)	6.70	14.67	10.53	4.31	3.83	4.47	3.75	3.83	7.18	9.25	10.61	8.45	2.95	1.99	3.11	4.39	4.39	100.00
(2)	1.95	4.27	3.06	1.25	1.11	1.30	1.09	1.11	2.09	2.69	3.09	2.46	.86	.58	.90	1.28	1.28	29.10

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-87 SSES 197' (60m) 2001-2006 September JFD
(Page 5 of 8)

197.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 31.48																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS E	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		20	56	74	42	32	24	23	21	23	16	12	8	3	0	0	4	0	358
(1)		1.47	4.13	5.45	3.10	2.36	1.77	1.69	1.55	1.69	1.18	.88	.59	.22	.00	.00	.29	.00	26.38
(2)		.46	1.30	1.72	.97	.74	.56	.53	.49	.53	.37	.28	.19	.07	.00	.00	.09	.00	8.31
4-7		40	176	67	22	18	9	17	20	38	31	34	26	10	7	5	4	0	524
(1)		2.95	12.97	4.94	1.62	1.33	.66	1.25	1.47	2.80	2.28	2.51	1.92	.74	.52	.37	.29	.00	38.61
(2)		.93	4.08	1.55	.51	.42	.21	.39	.46	.88	.72	.79	.60	.23	.16	.12	.09	.00	12.16
8-12		21	57	31	11	5	10	9	27	36	53	34	33	9	5	8	10	0	359
(1)		1.55	4.20	2.28	.81	.37	.74	.66	1.99	2.65	3.91	2.51	2.43	.66	.37	.59	.74	.00	26.46
(2)		.49	1.32	.72	.26	.12	.23	.21	.63	.84	1.23	.79	.77	.21	.12	.19	.23	.00	8.33
13-18		1	16	10	3	4	2	3	8	11	10	0	7	0	0	0	1	0	76
(1)		.07	1.18	.74	.22	.29	.15	.22	.59	.81	.74	.00	.52	.00	.00	.00	.07	.00	5.60
(2)		.02	.37	.23	.07	.09	.05	.07	.19	.26	.23	.00	.16	.00	.00	.00	.02	.00	1.76
19-24		0	1	11	3	0	0	2	2	7	2	0	0	0	0	0	0	0	28
(1)		.00	.07	.81	.22	.00	.00	.15	.15	.52	.15	.00	.00	.00	.00	.00	.00	.00	2.06
(2)		.00	.02	.26	.07	.00	.00	.05	.05	.16	.05	.00	.00	.00	.00	.00	.00	.00	.65
GT 24		0	4	0	2	1	1	3	0	0	1	0	0	0	0	0	0	0	12
(1)		.00	.29	.00	.15	.07	.07	.22	.00	.00	.07	.00	.00	.00	.00	.00	.00	.00	.88
(2)		.00	.09	.00	.05	.02	.02	.07	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.28
ALL SPEEDS		82	310	193	83	60	46	57	78	115	113	80	74	22	12	13	19	0	1357
(1)		6.04	22.84	14.22	6.12	4.42	3.39	4.20	5.75	8.47	8.33	5.90	5.45	1.62	.88	.96	1.40	.00	100.00
(2)		1.90	7.19	4.48	1.93	1.39	1.07	1.32	1.81	2.67	2.62	1.86	1.72	.51	.28	.30	.44	.00	31.48

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Table 2.7-87 SSES 197' (60m) 2001-2006 September JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL				
		STABILITY CLASS F																				
		CLASS FREQUENCY (PERCENT) = 16.22																				
SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								W	WNW	NW	NNW	VRBL			
							SE	SSE	S	SSW	SW	WSW	WSW	SW						SSW	S	SSW
CALM	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	4	56	69	21	8	17	16	5	10	7	3	1	1	1	0	0	1	4	4	0	223	
(1)	.57	8.01	9.87	3.00	1.14	2.43	2.29	.72	1.43	1.00	.43	.14	.14	.14	.00	.00	.14	.57	.00	.00	31.90	
(2)	.09	1.30	1.60	.49	.19	.39	.37	.12	.23	.16	.07	.02	.02	.02	.00	.00	.02	.09	.00	.00	5.17	
4-7	60	257	28	6	3	3	1	4	15	20	11	5	4	2	2	2	1	1	0	0	422	
(1)	8.58	36.77	4.01	.86	.43	.43	.14	.57	2.15	2.86	1.57	.72	.57	.29	.29	.29	.14	.14	.00	.00	60.37	
(2)	1.39	5.96	.65	.14	.07	.07	.02	.09	.35	.46	.26	.12	.09	.05	.05	.05	.02	.02	.00	.00	9.79	
8-12	6	11	2	0	0	0	0	3	9	10	4	6	0	0	0	1	1	1	0	0	53	
(1)	.86	1.57	.29	.00	.00	.00	.00	.43	1.29	1.43	.57	.86	.00	.00	.00	.14	.14	.14	.00	.00	7.58	
(2)	.14	.26	.05	.00	.00	.00	.00	.07	.21	.23	.09	.14	.00	.00	.00	.02	.02	.02	.00	.00	1.23	
13-18	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
(1)	.00	.00	.00	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	
(2)	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	
19-24	0	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24	0	0	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	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS	70	324	99	27	11	20	17	13	34	37	18	12	5	2	2	4	6	6	0	699		
(1)	10.01	46.35	14.16	3.86	1.57	2.86	2.43	1.86	4.86	5.29	2.58	1.72	.72	.29	.29	.57	.86	.00	.00	.00	100.00	
(2)	1.62	7.52	2.30	.63	.26	.46	.39	.30	.79	.86	.42	.28	.12	.05	.05	.09	.14	.14	.00	.00	16.22	

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Table 2.7-87 SSES 197' (60m) 2001-2006 September JFD
(Page 7 of 8)

197.0 FT WIND DATA	SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 7.33																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	2	27	21	20	13	11	8	7	8	5	1	0	0	2	0	0	0	125
(1)	.63	8.54	6.65	6.33	4.11	3.48	2.53	2.22	2.53	1.58	.32	.00	.00	.63	.00	.00	.00	39.56
(2)	.05	.63	.49	.46	.30	.26	.19	.16	.19	.12	.02	.00	.00	.05	.00	.00	.00	2.90
4-7	25	93	24	5	1	3	3	3	9	10	1	1	0	0	3	1	0	182
(1)	7.91	29.43	7.59	1.58	.32	.95	.95	.95	2.85	3.16	.32	.32	.00	.00	.95	.32	.00	57.59
(2)	.58	2.16	.56	.12	.02	.07	.07	.07	.21	.23	.02	.02	.00	.00	.07	.02	.00	4.22
8-12	1	1	0	0	0	0	0	0	0	3	2	1	0	0	1	0	0	9
(1)	.32	.32	.00	.00	.00	.00	.00	.00	.00	.00	.63	.32	.00	.00	.32	.00	.00	2.85
(2)	.02	.02	.00	.00	.00	.00	.00	.00	.00	.07	.05	.02	.00	.00	.02	.00	.00	.21
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	28	121	45	25	14	14	11	10	17	18	4	2	0	2	4	1	0	316
(1)	8.86	38.29	14.24	7.91	4.43	4.43	3.48	3.16	5.38	5.70	1.27	.63	.00	.63	1.27	.32	.00	100.00
(2)	.65	2.81	1.04	.58	.32	.32	.26	.23	.39	.42	.09	.05	.00	.05	.09	.02	.00	7.33

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-87 SSES 197' (60m) 2001-2006 September JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES SEPTEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL			
		STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00																
SPEED MPH	N	NNE	NE	ENE	E	ESE	WIND DIRECTION FROM								NNW	VRBL		
							SE	SSE	S	SSW	SW	WSW	W	WNW			NW	
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
C-3	36	180	238	123	82	84	65	53	78	64	45	12	7	5	3	13	0	1088
(1)	.84	4.18	5.52	2.85	1.90	1.95	1.51	1.23	1.81	1.48	1.04	.28	.16	.12	.07	.30	.00	25.24
(2)	.84	4.18	5.52	2.85	1.90	1.95	1.51	1.23	1.81	1.48	1.04	.28	.16	.12	.07	.30	.00	25.24
4-7	162	620	192	59	44	35	44	52	94	121	158	70	29	17	24	30	0	1751
(1)	3.76	14.39	4.45	1.37	1.02	.81	1.02	1.21	2.18	2.81	3.67	1.62	.67	.39	.56	.70	.00	40.63
(2)	3.76	14.39	4.45	1.37	1.02	.81	1.02	1.21	2.18	2.81	3.67	1.62	.67	.39	.56	.70	.00	40.63
8-12	97	174	64	22	12	30	32	62	105	128	157	109	35	38	40	53	0	1158
(1)	2.25	4.04	1.48	.51	.28	.70	.74	1.44	2.44	2.97	3.64	2.53	.81	.88	.93	1.23	.00	26.87
(2)	2.25	4.04	1.48	.51	.28	.70	.74	1.44	2.44	2.97	3.64	2.53	.81	.88	.93	1.23	.00	26.87
13-18	8	36	17	7	4	3	6	18	22	43	14	52	8	2	8	6	0	254
(1)	.19	.84	.39	.16	.09	.07	.14	.42	.51	1.00	.32	1.21	.19	.05	.19	.14	.00	5.89
(2)	.19	.84	.39	.16	.09	.07	.14	.42	.51	1.00	.32	1.21	.19	.05	.19	.14	.00	5.89
19-24	0	1	12	4	0	0	2	2	11	5	0	0	1	0	1	3	0	42
(1)	.00	.02	.28	.09	.00	.00	.05	.05	.26	.12	.00	.00	.02	.00	.02	.07	.00	.97
(2)	.00	.02	.28	.09	.00	.00	.05	.05	.26	.12	.00	.00	.02	.00	.02	.07	.00	.97
GT 24	0	4	0	4	1	1	4	0	2	1	0	0	0	0	0	0	0	17
(1)	.00	.09	.00	.09	.02	.02	.09	.00	.05	.02	.00	.00	.00	.00	.00	.00	.00	.39
(2)	.00	.09	.00	.09	.02	.02	.09	.00	.05	.02	.00	.00	.00	.00	.00	.00	.00	.39
ALL SPEEDS	303	1015	523	219	143	153	153	187	312	362	374	243	80	62	76	105	0	4310
(1)	7.03	23.55	12.13	5.08	3.32	3.55	3.55	4.34	7.24	8.40	8.68	5.64	1.86	1.44	1.76	2.44	.00	100.00
(2)	7.03	23.55	12.13	5.08	3.32	3.55	3.55	4.34	7.24	8.40	8.68	5.64	1.86	1.44	1.76	2.44	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-88 SSES 197' (60m) 2001-2006 October JFD
(Page 1 of 8)

197.0 FT WIND DATA	SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL		
	STABILITY CLASS A																		
	WIND DIRECTION FROM																		
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	1	4	1	1	0	2	2	2	0	0	0	1	0	0	0	14
(1)	.00	.00	.00	.90	3.60	.90	.90	.00	1.80	1.80	1.80	.00	.00	.00	.90	.00	.00	.00	12.61
(2)	.00	.00	.00	.02	.09	.02	.02	.00	.05	.05	.05	.00	.00	.00	.02	.00	.00	.00	.32
4-7	0	1	2	0	0	0	2	7	2	3	15	4	0	0	0	0	0	0	36
(1)	.00	.90	1.80	.00	.00	.00	1.80	6.31	1.80	2.70	13.51	3.60	.00	.00	.00	.00	.00	.00	32.43
(2)	.00	.02	.05	.00	.00	.00	.05	.16	.05	.07	.34	.09	.00	.00	.00	.00	.00	.00	.83
8-12	0	4	4	0	0	0	0	1	1	10	16	7	0	0	0	0	0	0	43
(1)	.00	3.60	3.60	.00	.00	.00	.00	.90	.90	9.01	14.41	6.31	.00	.00	.00	.00	.00	.00	38.74
(2)	.00	.09	.09	.00	.00	.00	.00	.02	.02	.23	.37	.16	.00	.00	.00	.00	.00	.00	.99
13-18	0	1	0	0	0	0	0	1	1	1	10	3	0	0	0	0	0	0	17
(1)	.00	.90	.00	.00	.00	.00	.00	.90	.90	.90	9.01	2.70	.00	.00	.00	.00	.00	.00	15.32
(2)	.00	.02	.00	.00	.00	.00	.00	.02	.02	.02	.23	.07	.00	.00	.00	.00	.00	.00	.39
19-24	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.90	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.90
(2)	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	6	6	1	4	1	4	9	6	16	43	14	0	0	1	0	0	0	111
(1)	.00	5.41	5.41	.90	3.60	.90	3.60	8.11	5.41	14.41	38.74	12.61	.00	.00	.90	.00	.00	.00	100.00
(2)	.00	.14	.14	.02	.09	.02	.09	.21	.14	.37	.99	.32	.00	.00	.02	.00	.00	.00	2.54

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-88 SSES 197' (60m) 2001-2006 October JFD
(Page 2 of 8)

197.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 2.41																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS B	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		2	0	1	1	0	2	1	1	1	2	0	1	0	0	0	0	0	12
(1)		1.90	.00	.95	.95	.00	1.90	.95	.95	.95	1.90	.00	.95	.00	.00	.00	.00	.00	11.43
(2)		.05	.00	.02	.05	.00	.05	.02	.02	.05	.05	.00	.02	.00	.00	.00	.00	.00	.28
4-7		1	2	2	0	0	0	1	0	0	4	7	1	0	0	0	0	0	20
(1)		.95	1.90	1.90	.00	.00	.00	.95	.00	.00	3.81	6.67	.95	.00	.00	.00	.00	.00	19.05
(2)		.02	.05	.05	.00	.00	.00	.02	.00	.00	.09	.16	.02	.00	.00	.00	.00	.00	.46
8-12		0	3	3	0	0	0	1	3	0	3	14	8	4	0	0	1	0	40
(1)		.00	2.86	2.86	.00	.00	.00	.95	2.86	.00	2.86	13.33	7.62	3.81	.00	.00	.95	.00	38.10
(2)		.00	.07	.07	.00	.00	.00	.02	.07	.00	.07	.32	.18	.09	.00	.00	.02	.00	.92
13-18		0	2	0	0	0	0	1	1	1	1	8	11	2	0	0	0	0	27
(1)		.00	1.90	.00	.00	.00	.00	.95	.95	.95	.95	7.62	10.48	1.90	.00	.00	.00	.00	25.71
(2)		.00	.05	.00	.00	.00	.00	.02	.02	.02	.02	.18	.25	.05	.00	.00	.00	.00	.62
19-24		0	0	0	0	0	0	0	0	0	1	2	3	0	0	0	0	0	6
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.95	1.90	2.86	.00	.00	.00	.00	.00	5.71
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.05	.07	.00	.00	.00	.00	.00	.14
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	7	6	3	0	2	4	5	2	11	31	24	6	0	0	1	0	105
(1)		2.86	6.67	5.71	2.86	.00	1.90	3.81	4.76	1.90	10.48	29.52	22.86	5.71	.00	.00	.95	.00	100.00
(2)		.07	.16	.14	.07	.00	.05	.09	.11	.05	.25	.71	.55	.14	.00	.00	.02	.00	2.41

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-88 SSES 197' (60m) 2001-2006 October JFD
(Page 3 of 8)

197.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL							
		CLASS FREQUENCY (PERCENT) = 3.71																				
		WIND DIRECTION FROM																				
SPEED MPH	STABILITY CLASS C	WIND DIRECTION FROM													TOTAL							
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL			
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
C-3		2	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	6	
(1)		1.23	.62	.00	.62	.00	.00	.00	.00	1.23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.70
(2)		.05	.02	.00	.02	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14
4-7		0	2	6	2	0	1	3	0	0	5	12	6	1	0	0	0	0	0	0	0	39
(1)		.00	1.23	3.70	1.23	.00	.62	1.85	.00	.00	3.09	7.41	3.70	.62	.00	.00	.00	.00	.00	.00	.00	24.07
(2)		.00	.05	.14	.05	.00	.02	.07	.00	.00	.11	.28	.14	.02	.00	.00	.00	.00	.00	.00	.00	.89
8-12		7	10	0	0	0	0	2	1	3	4	24	11	7	2	0	3	0	0	0	0	74
(1)		4.32	6.17	.00	.00	.00	.00	1.23	.62	1.85	2.47	14.81	6.79	4.32	1.23	.00	1.85	.00	.00	.00	.00	45.68
(2)		.16	.23	.00	.00	.00	.00	.05	.02	.07	.09	.55	.25	.16	.05	.00	.07	.00	.00	.00	.00	1.70
13-18		0	4	0	0	0	0	2	0	5	4	5	9	7	0	0	0	0	0	0	0	36
(1)		.00	2.47	.00	.00	.00	.00	1.23	.00	3.09	2.47	3.09	5.56	4.32	.00	.00	.00	.00	.00	.00	.00	22.22
(2)		.00	.09	.00	.00	.00	.00	.05	.00	.11	.09	.11	.21	.16	.00	.00	.00	.00	.00	.00	.00	.83
19-24		0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	0	0	0	0	0	5
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.62	.00	2.47	.00	.00	.00	.00	.00	.00	.00	.00	3.09
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.11
GT 24		0	0	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	.00	.00	.00	1.23	.00	.00	.00	.00	.00	.00	.00	.00	1.23
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05
ALL SPEEDS		9	17	6	3	0	1	5	4	10	14	41	32	15	2	0	3	0	0	0	0	162
(1)		5.56	10.49	3.70	1.85	.00	.62	3.09	2.47	6.17	8.64	25.31	19.75	9.26	1.23	.00	1.85	.00	.00	.00	.00	100.00
(2)		.21	.39	.14	.07	.00	.02	.11	.09	.23	.32	.94	.73	.34	.05	.00	.07	.00	.00	.00	.00	3.71

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-88 SSES 197' (60m) 2001-2006 October JFD
(Page 4 of 8)

197.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = 37.61																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS D	WIND DIRECTION FROM													TOTAL				
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		10	22	37	36	18	12	12	19	22	23	17	8	1	0	3	4	0	244
(1)		.61	1.34	2.25	2.19	1.10	.73	.73	1.16	1.34	1.40	1.04	.49	.06	.00	.18	.24	.00	14.87
(2)		.23	.50	.85	.83	.41	.28	.28	.44	.50	.53	.39	.18	.02	.00	.07	.09	.00	5.59
4-7		22	67	48	13	20	12	22	15	16	25	51	36	13	11	5	16	0	392
(1)		1.34	4.08	2.93	.79	1.22	.73	1.34	.91	.98	1.52	3.11	2.19	.79	.67	.30	.98	.00	23.89
(2)		.50	1.54	1.10	.30	.46	.28	.50	.34	.37	.57	1.17	.83	.30	.25	.11	.37	.00	8.98
8-12		66	91	47	8	6	9	27	23	24	27	43	84	52	45	66	47	0	665
(1)		4.02	5.55	2.86	.49	.37	.55	1.65	1.40	1.46	1.65	2.62	5.12	3.17	2.74	4.02	2.86	.00	40.52
(2)		1.51	2.09	1.08	.18	.14	.21	.62	.53	.55	.62	.99	1.93	1.19	1.03	1.51	1.08	.00	15.24
13-18		7	13	3	0	0	2	5	4	5	17	15	52	43	39	30	8	0	243
(1)		.43	.79	.18	.00	.00	.12	.30	.24	.30	1.04	.91	3.17	2.62	2.38	1.83	.49	.00	14.81
(2)		.16	.30	.07	.00	.00	.05	.11	.09	.11	.39	.34	1.19	.99	.89	.69	.18	.00	5.57
19-24		0	0	0	0	0	0	4	0	1	3	1	56	6	0	0	0	0	71
(1)		.00	.00	.00	.00	.00	.00	.24	.00	.06	.18	.06	3.41	.37	.00	.00	.00	.00	4.33
(2)		.00	.00	.00	.00	.00	.00	.09	.00	.02	.07	.02	1.28	.14	.00	.00	.00	.00	1.63
GT 24		0	0	0	0	0	0	0	0	0	0	0	20	6	0	0	0	0	26
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.22	.37	.00	.00	.00	.00	1.58
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.46	.14	.00	.00	.00	.00	.60
ALL SPEEDS		105	193	135	57	44	35	70	61	68	95	127	256	121	95	104	75	0	1641
(1)		6.40	11.76	8.23	3.47	2.68	2.13	4.27	3.72	4.14	5.79	7.74	15.60	7.37	5.79	6.34	4.57	.00	100.00
(2)		2.41	4.42	3.09	1.31	1.01	.80	1.60	1.40	1.56	2.18	2.91	5.87	2.77	2.18	2.38	1.72	.00	37.61

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-88 SSES 197' (60m) 2001-2006 October JFD
(Page 5 of 8)

197.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)														TOTAL		
		STABILITY CLASS E		CLASS FREQUENCY (PERCENT) = 32.50														
		WIND DIRECTION FROM																
SPEED MPH	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3	23	41	48	34	27	23	38	33	31	18	5	3	0	0	1	6	0	363
(1)	1.62	2.89	3.39	2.40	1.90	1.62	2.68	2.33	2.19	1.27	.35	.21	.00	.07	.42	.00	.00	25.60
(2)	.53	.94	1.10	.78	.62	.53	.87	.76	.71	.41	.11	.07	.00	.02	.14	.00	.00	8.32
4-7	47	139	64	27	10	3	23	31	33	57	36	17	9	6	9	0	0	524
(1)	3.31	9.80	4.51	1.90	.71	.21	1.62	2.19	2.33	4.02	2.54	1.20	.63	.42	.63	.00	.00	36.95
(2)	1.08	3.19	1.47	.62	.30	.07	.53	.71	.76	1.31	.83	.39	.21	.14	.21	.00	.00	12.01
8-12	11	61	53	1	8	16	10	27	64	48	58	14	7	18	11	0	0	411
(1)	.78	4.30	3.74	.07	.56	1.13	.71	1.90	4.51	3.39	4.09	.99	.49	1.27	.78	.00	.00	28.98
(2)	.25	1.40	1.21	.02	.18	.37	.23	.62	1.47	1.10	1.33	.32	.16	.41	.25	.00	.00	9.42
13-18	0	13	6	0	3	7	8	8	18	10	33	2	0	1	1	0	0	110
(1)	.00	.92	.42	.00	.21	.49	.56	.56	1.27	.71	2.33	.14	.00	.07	.07	.00	.00	7.76
(2)	.00	.30	.14	.00	.07	.16	.18	.18	.41	.23	.76	.05	.00	.02	.02	.00	.00	2.52
19-24	0	0	0	0	0	1	0	1	3	0	4	0	0	0	0	0	0	9
(1)	.00	.00	.00	.00	.00	.07	.00	.07	.21	.00	.28	.00	.00	.00	.00	.00	.00	.63
(2)	.00	.00	.00	.00	.00	.02	.00	.02	.07	.00	.09	.00	.00	.00	.00	.00	.00	.21
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	81	254	171	63	44	50	79	100	149	133	136	36	16	26	27	0	0	1418
(1)	5.71	17.91	12.06	4.44	3.10	3.53	5.57	7.05	10.51	9.38	9.59	2.54	1.13	1.83	1.90	.00	.00	100.00
(2)	1.86	5.82	3.92	1.44	1.01	1.15	1.81	2.29	3.42	3.05	3.12	.83	.37	.60	.62	.00	.00	32.50

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-88 SSES 197' (60m) 2001-2006 October JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL					
		CLASS FREQUENCY (PERCENT) = 12.22																		
		WIND DIRECTION FROM																		
SPEED MPH	STABILITY CLASS F	WIND DIRECTION FROM													TOTAL					
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL	
CALM		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)		.00	.00	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.19
(2)		.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
C-3		6	47	49	21	25	13	17	7	9	8	5	2	1	0	2	1	0	0	213
(1)		1.13	8.82	9.19	3.94	4.69	2.44	3.19	1.31	1.69	1.50	.94	.38	.19	.00	.38	.19	.00	.00	39.96
(2)		.14	1.08	1.12	.48	.57	.30	.39	.16	.21	.18	.11	.05	.02	.00	.05	.02	.00	.00	4.88
4-7		59	126	23	7	3	0	1	5	5	16	15	5	4	2	0	4	0	0	275
(1)		11.07	23.64	4.32	1.31	.56	.00	.19	.94	.94	3.00	2.81	.94	.75	.38	.00	.75	.00	.00	51.59
(2)		1.35	2.89	.53	.16	.07	.00	.02	.11	.11	.37	.34	.11	.09	.05	.00	.09	.00	.00	6.30
8-12		2	5	3	0	0	0	0	0	3	9	10	11	0	0	0	0	0	0	43
(1)		.38	.94	.56	.00	.00	.00	.00	.00	.56	1.69	1.88	2.06	.00	.00	.00	.00	.00	.00	8.07
(2)		.05	.11	.07	.00	.00	.00	.00	.00	.07	.21	.23	.25	.00	.00	.00	.00	.00	.00	.99
13-18		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	.00	.19	.00	.00	.00	.00	.00	.00	.19
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.02
19-24		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	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		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	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS		67	178	76	28	28	13	18	12	17	33	30	19	5	2	2	5	0	0	533
(1)		12.57	33.40	14.26	5.25	5.25	2.44	3.38	2.25	3.19	6.19	5.63	3.56	.94	.38	.38	.94	.00	.00	100.00
(2)		1.54	4.08	1.74	.64	.64	.30	.41	.28	.39	.76	.69	.44	.11	.05	.05	.11	.00	.00	12.22

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-88 SSES 197' (60m) 2001-2006 October JFD
(Page 7 of 8)

197.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL						
		CLASS FREQUENCY (PERCENT) = 9.01																			
		WIND DIRECTION FROM																			
SPEED MPH	STABILITY CLASS G	WIND DIRECTION FROM													TOTAL						
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL		
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		5	36	44	21	22	8	10	8	10	6	2	0	0	1	0	0	0	0	173	
(1)		1.27	9.16	11.20	5.34	5.60	2.04	2.54	2.04	2.54	1.53	.51	.00	.00	.25	.00	.00	.00	.00	44.02	
(2)		.11	.83	1.01	.48	.50	.18	.23	.18	.23	.14	.05	.00	.00	.02	.00	.00	.00	.00	3.97	
4-7		38	86	29	5	2	2	3	4	9	12	16	1	0	0	1	0	0	0	208	
(1)		9.67	21.88	7.38	1.27	.51	.51	.76	1.02	2.29	3.05	4.07	.25	.00	.00	.25	.00	.00	.00	52.93	
(2)		.87	1.97	.66	.11	.05	.05	.07	.09	.21	.28	.37	.02	.00	.00	.02	.00	.00	.00	4.77	
8-12		0	1	0	0	1	0	0	0	0	3	4	3	0	0	0	0	0	0	12	
(1)		.00	.25	.00	.00	.25	.00	.00	.00	.00	.76	1.02	.76	.00	.00	.00	.00	.00	.00	3.05	
(2)		.00	.02	.00	.00	.02	.00	.00	.00	.00	.07	.09	.07	.00	.00	.00	.00	.00	.00	.28	
13-18		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	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
19-24		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	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
GT 24		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	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ALL SPEEDS		43	123	73	26	25	10	13	12	19	21	22	4	0	1	1	0	0	0	393	
(1)		10.94	31.30	18.58	6.62	6.36	2.54	3.31	3.05	4.83	5.34	5.60	1.02	.00	.25	.25	.00	.00	.00	100.00	
(2)		.99	2.82	1.67	.60	.57	.23	.30	.28	.44	.48	.50	.09	.00	.02	.02	.00	.00	.00	9.01	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-88 SSES 197' (60m) 2001-2006 October JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES OCTOBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL
		CLASS FREQUENCY (PERCENT) = 100.00																
		WIND DIRECTION FROM																
STABILITY CLASS ALL		N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
(2)	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
C-3	48	147	179	115	101	63	64	73	79	72	44	16	5	1	7	11	0	1025
(1)	1.10	3.37	4.10	2.64	2.31	1.44	1.47	1.67	1.81	1.65	1.01	.37	.11	.02	.16	.25	.00	23.49
(2)	1.10	3.37	4.10	2.64	2.31	1.44	1.47	1.67	1.81	1.65	1.01	.37	.11	.02	.16	.25	.00	23.49
4-7	167	423	174	56	38	25	33	57	63	98	173	89	35	22	12	29	0	1494
(1)	3.83	9.70	3.99	1.28	.87	.57	.76	1.31	1.44	2.25	3.97	2.04	.80	.50	.28	.66	.00	34.24
(2)	3.83	9.70	3.99	1.28	.87	.57	.76	1.31	1.44	2.25	3.97	2.04	.80	.50	.28	.66	.00	34.24
8-12	86	175	110	9	15	13	46	38	58	120	159	182	77	54	84	62	0	1288
(1)	1.97	4.01	2.52	.21	.34	.30	1.05	.87	1.33	2.75	3.64	4.17	1.76	1.24	1.93	1.42	.00	29.52
(2)	1.97	4.01	2.52	.21	.34	.30	1.05	.87	1.33	2.75	3.64	4.17	1.76	1.24	1.93	1.42	.00	29.52
13-18	7	33	9	0	0	5	15	14	20	41	48	109	54	39	31	9	0	434
(1)	.16	.76	.21	.00	.00	.11	.34	.32	.46	.94	1.10	2.50	1.24	.89	.71	.21	.00	9.95
(2)	.16	.76	.21	.00	.00	.11	.34	.32	.46	.94	1.10	2.50	1.24	.89	.71	.21	.00	9.95
19-24	0	0	0	0	0	0	6	0	2	8	3	67	6	0	0	0	0	92
(1)	.00	.00	.00	.00	.00	.00	.14	.00	.05	.18	.07	1.54	.14	.00	.00	.00	.00	2.11
(2)	.00	.00	.00	.00	.00	.00	.14	.00	.05	.18	.07	1.54	.14	.00	.00	.00	.00	2.11
GT 24	0	0	0	0	0	0	0	0	0	0	0	22	6	0	0	0	0	28
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	.14	.00	.00	.00	.00	.64
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	.14	.00	.00	.00	.00	.64
ALL SPEEDS	308	778	473	181	154	106	164	182	222	339	427	485	183	116	134	111	0	4363
(1)	7.06	17.83	10.84	4.15	3.53	2.43	3.76	4.17	5.09	7.77	9.79	11.12	4.19	2.66	3.07	2.54	.00	100.00
(2)	7.06	17.83	10.84	4.15	3.53	2.43	3.76	4.17	5.09	7.77	9.79	11.12	4.19	2.66	3.07	2.54	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-89 SSES 197' (60m) 2001-2006 November JFD
(Page 1 of 8)

197.0 FT WIND DATA		SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = .87																	
		WIND DIRECTION FROM																	
STABILITY CLASS A	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4-7	0	0	0	0	0	0	0	1	8	4	0	0	0	0	0	0	0	0	13
(1)	.00	.00	.00	.00	.00	.00	.00	2.78	22.22	11.11	.00	.00	.00	.00	.00	.00	.00	.00	36.11
(2)	.00	.00	.00	.00	.00	.00	.00	.02	.19	.10	.00	.00	.00	.00	.00	.00	.00	.00	.31
8-12	1	0	0	0	0	0	0	2	1	12	0	0	0	0	0	2	0	0	18
(1)	2.78	.00	.00	.00	.00	.00	.00	5.56	2.78	33.33	.00	.00	.00	.00	.00	5.56	.00	.00	50.00
(2)	.02	.00	.00	.00	.00	.00	.00	.05	.02	.29	.00	.00	.00	.00	.00	.05	.00	.00	.43
13-18	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	2.78	.00	.00	5.56	.00	.00	.00	.00	.00	.00	.00	8.33
(2)	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.07
19-24	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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.56
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1	0	0	0	0	0	0	4	11	16	2	0	0	0	0	2	0	0	36
(1)	2.78	.00	.00	.00	.00	.00	.00	11.11	30.56	44.44	5.56	.00	.00	.00	.00	5.56	.00	.00	100.00
(2)	.02	.00	.00	.00	.00	.00	.00	.10	.26	.39	.05	.00	.00	.00	.00	.05	.00	.00	.87

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-89 SSES 197' (60m) 2001-2006 November JFD
(Page 2 of 8)

197.0 FT WIND DATA	SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL					
	STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 1.37																		
	WIND DIRECTION FROM																		
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4-7	0	1	0	0	0	0	0	1	1	4	3	2	0	0	0	0	0	0	12
(1)	.00	1.75	.00	.00	.00	.00	.00	1.75	1.75	7.02	5.26	3.51	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.02	.00	.00	.00	.00	.00	.02	.02	.10	.07	.05	.00	.00	.00	.00	.00	.00	.29
8-12	0	0	0	0	0	0	0	0	2	2	11	7	2	0	0	0	0	0	24
(1)	.00	.00	.00	.00	.00	.00	.00	.00	3.51	3.51	19.30	12.28	3.51	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05	.26	.17	.05	.00	.00	.00	.00	.00	.58
13-18	0	0	0	0	0	0	0	1	0	1	7	8	0	0	0	0	0	0	17
(1)	.00	.00	.00	.00	.00	.00	.00	1.75	.00	1.75	12.28	14.04	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.02	.00	.02	.17	.19	.00	.00	.00	.00	.00	.00	.41
19-24	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.26	1.75	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.02	.00	.00	.00	.00	.00	.00	.00	.10
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	1	0	0	0	0	0	2	3	10	22	17	2	0	0	0	0	0	57
(1)	.00	1.75	.00	.00	.00	.00	.00	3.51	5.26	17.54	38.60	29.82	3.51	.00	.00	.00	.00	.00	100.00
(2)	.00	.02	.00	.00	.00	.00	.00	.05	.07	.24	.53	.41	.05	.00	.00	.00	.00	.00	1.37

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-89 SSES 197' (60m) 2001-2006 November JFD
(Page 3 of 8)

197.0 FT WIND DATA	SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	STABILITY CLASS C																	
	CLASS FREQUENCY (PERCENT) = 2.72																	
SPEED MPH	WIND DIRECTION FROM																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	1	4	0	0	0	0	0	1	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.88	3.54	.00	.00	.00	.00	.00	.88	.00	.00	.00	5.31
(2)	.00	.00	.00	.00	.00	.00	.02	.10	.00	.00	.00	.00	.00	.02	.00	.00	.00	.14
4-7	0	1	2	0	0	0	0	0	0	3	6	0	0	0	0	0	0	12
(1)	.00	.88	1.77	.00	.00	.00	.00	.00	.00	2.65	5.31	.00	.00	.00	.00	.00	.00	10.62
(2)	.00	.02	.05	.00	.00	.00	.00	.00	.00	.07	.14	.00	.00	.00	.00	.00	.00	.29
8-12	2	1	1	0	0	0	4	6	1	17	14	1	1	0	1	2	0	51
(1)	1.77	.88	.88	.00	.00	.00	3.54	5.31	.88	15.04	12.39	.88	.88	.00	.88	1.77	.00	45.13
(2)	.05	.02	.02	.00	.00	.00	.10	.14	.02	.41	.34	.02	.02	.00	.02	.05	.00	1.23
13-18	4	1	0	0	0	0	2	1	3	4	19	1	1	0	1	3	0	39
(1)	3.54	.88	.00	.00	.00	.00	1.77	.88	2.65	3.54	16.81	.88	.88	.00	.88	2.65	.00	34.51
(2)	.10	.02	.00	.00	.00	.00	.05	.02	.07	.10	.46	.02	.02	.00	.02	.07	.00	.94
19-24	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.42	.00	.00	.00	.00	.00	.00	4.42
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.00	.00	.00	.00	.00	.00	.12
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	3	3	0	0	0	7	11	7	27	38	2	1	1	2	5	0	113
(1)	5.31	2.65	2.65	.00	.00	.00	6.19	9.73	6.19	23.89	33.63	1.77	.88	1.77	4.42	.00	.00	100.00
(2)	.14	.07	.07	.00	.00	.00	.17	.26	.17	.65	.91	.05	.02	.05	.12	.00	.00	2.72

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-89 SSES 197' (60m) 2001-2006 November JFD
(Page 4 of 8)

197.0 FT WIND DATA		SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL
		CLASS FREQUENCY (PERCENT) = 40.51																
		WIND DIRECTION FROM																
SPEED MPH	STABILITY CLASS D	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	5	12	15	10	8	14	17	18	17	13	1	1	1	1	0	0	0	142
(1)	.30	.71	.89	.59	.48	.83	1.01	1.07	1.01	.77	.06	.06	.06	.06	.00	.00	.00	8.44
(2)	.12	.29	.36	.24	.19	.34	.41	.43	.41	.31	.02	.02	.02	.02	.00	.00	.00	3.42
4-7	26	47	16	2	8	10	29	16	34	50	30	23	12	12	9	11	0	350
(1)	1.54	2.79	.95	.12	.48	.59	1.72	1.60	2.02	2.97	1.78	1.37	.71	.71	.53	.65	.00	20.80
(2)	.63	1.13	.39	.05	.19	.24	.70	.65	.82	1.20	.72	.55	.29	.29	.22	.26	.00	8.42
8-12	53	73	46	2	4	8	31	16	16	52	67	58	57	57	75	83	0	676
(1)	3.15	4.34	2.73	.12	.24	.48	1.84	2.08	.95	3.09	3.98	3.45	3.39	3.39	4.46	4.93	.00	40.17
(2)	1.28	1.76	1.11	.05	.10	.19	.75	.84	.39	1.25	1.61	1.40	1.37	1.37	1.81	2.00	.00	16.27
13-18	19	11	3	0	0	0	21	7	15	36	91	50	21	21	55	42	0	395
(1)	1.13	.65	.18	.00	.00	.00	1.25	1.43	.42	.89	2.14	5.41	2.97	1.25	3.27	2.50	.00	23.47
(2)	.46	.26	.07	.00	.00	.00	.51	.58	.17	.36	.87	2.19	1.20	.51	1.32	1.01	.00	9.51
19-24	0	0	0	0	0	0	4	6	6	6	22	8	23	3	3	3	0	92
(1)	.00	.00	.00	.00	.00	.00	.24	.36	.36	.36	1.31	.48	1.37	.18	.18	.18	.00	5.47
(2)	.00	.00	.00	.00	.00	.00	.10	.14	.14	.14	.53	.19	.55	.07	.07	.07	.00	2.21
GT 24	0	0	0	0	0	0	0	1	2	0	14	6	0	0	1	0	0	28
(1)	.00	.00	.00	.00	.00	.00	.00	.06	.12	.00	.83	.36	.00	.00	.06	.00	.00	1.66
(2)	.00	.00	.00	.00	.00	.00	.00	.02	.05	.00	.34	.14	.00	.00	.02	.00	.00	.67
ALL SPEEDS	103	143	80	14	22	26	99	118	64	90	157	225	146	114	143	139	0	1683
(1)	6.12	8.50	4.75	.83	1.31	1.54	5.88	7.01	3.80	5.35	9.33	13.37	8.67	6.77	8.50	8.26	.00	100.00
(2)	2.48	3.44	1.93	.34	.53	.63	2.38	2.84	1.54	2.17	3.78	5.42	3.51	2.74	3.44	3.35	.00	40.51

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Table 2.7-89 SSES 197' (60m) 2001-2006 November JFD
(Page 5 of 8)

197.0 FT WIND DATA		SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL						
		CLASS FREQUENCY (PERCENT) = 31.07																			
		WIND DIRECTION FROM																			
SPEED MPH	STABILITY CLASS E	WIND DIRECTION FROM													TOTAL						
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL		
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		17	56	46	28	27	31	38	36	28	37	29	6	5	0	0	6	0	0	390	
(1)		1.32	4.34	3.56	2.17	2.09	2.40	2.94	2.79	2.17	2.87	2.25	.46	.39	.00	.00	.46	.00	.00	30.21	
(2)		.41	1.35	1.11	.67	.65	.75	.91	.87	.67	.89	.70	.14	.12	.00	.00	.14	.00	.00	9.39	
4-7		44	68	49	21	22	12	14	28	23	39	52	28	14	5	11	10	0	0	440	
(1)		3.41	5.27	3.80	1.63	1.70	.93	1.08	2.17	1.78	3.02	4.03	2.17	1.08	.39	.85	.77	.00	.00	34.08	
(2)		1.06	1.64	1.18	.51	.53	.29	.34	.67	.55	.94	1.25	.67	.34	.12	.26	.24	.00	.00	10.59	
8-12		17	30	13	2	0	5	8	13	15	57	49	50	9	5	16	9	0	0	298	
(1)		1.32	2.32	1.01	.15	.00	.39	.62	1.01	1.16	4.42	3.80	3.87	.70	.39	1.24	.70	.00	.00	23.08	
(2)		.41	.72	.31	.05	.00	.12	.19	.31	.36	1.37	1.18	1.20	.22	.12	.39	.22	.00	.00	7.17	
13-18		0	3	2	1	0	0	4	7	14	29	9	38	2	0	3	2	0	0	114	
(1)		.00	.23	.15	.08	.00	.00	.31	.54	1.08	2.25	.70	2.94	.15	.00	.23	.15	.00	.00	8.83	
(2)		.00	.07	.05	.02	.00	.00	.10	.17	.34	.70	.22	.91	.05	.00	.07	.05	.00	.00	2.74	
19-24		0	0	0	0	0	5	1	8	14	12	2	2	0	0	0	0	0	0	44	
(1)		.00	.00	.00	.00	.00	.39	.08	.62	1.08	.93	.15	.15	.00	.00	.00	.00	.00	.00	3.41	
(2)		.00	.00	.00	.00	.00	.12	.02	.19	.34	.29	.05	.05	.00	.00	.00	.00	.00	.00	1.06	
GT 24		0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	5	
(1)		.00	.00	.00	.00	.00	.00	.00	.23	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.39	
(2)		.00	.00	.00	.00	.00	.00	.00	.07	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	
ALL SPEEDS		78	157	110	52	49	53	65	95	96	174	141	124	30	10	30	27	0	0	1291	
(1)		6.04	12.16	8.52	4.03	3.80	4.11	5.03	7.36	7.44	13.48	10.92	9.60	2.32	.77	2.32	2.09	.00	.00	100.00	
(2)		1.88	3.78	2.65	1.25	1.18	1.28	1.56	2.29	2.31	4.19	3.39	2.98	.72	.24	.72	.65	.00	.00	31.07	

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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-89 SSES 197' (60m) 2001-2006 November JFD
(Page 7 of 8)

197.0 FT WIND DATA		SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		CLASS FREQUENCY (PERCENT) = 12.20																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
		CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	12	56	69	25	22	13	18	8	14	5	1	2	2	0	0	1	0	0	246
(1)	2.37	11.05	13.61	4.93	4.34	2.56	3.55	1.58	2.76	.99	.20	.39	.39	.00	.00	.20	.00	.00	48.52
(2)	.29	1.35	1.66	.60	.53	.31	.43	.19	.34	.12	.02	.05	.05	.00	.00	.02	.00	.00	5.92
4-7	39	97	37	6	1	2	2	3	14	12	16	4	4	2	1	4	0	0	240
(1)	7.69	19.13	7.30	1.18	.20	.39	.39	.59	2.76	2.37	3.16	.79	.39	.39	.20	.79	.00	.00	47.34
(2)	.94	2.33	.89	.14	.02	.05	.05	.07	.34	.29	.39	.10	.05	.05	.02	.10	.00	.00	5.78
8-12	1	5	2	0	0	1	0	0	0	3	3	6	6	0	0	0	0	0	21
(1)	.20	.99	.39	.00	.00	.20	.00	.00	.00	.59	.59	1.18	1.18	.00	.00	.00	.00	.00	4.14
(2)	.02	.12	.05	.00	.00	.02	.00	.00	.00	.07	.07	.14	.14	.00	.00	.00	.00	.00	.51
13-18	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	52	158	108	31	23	16	20	11	28	20	20	12	12	2	1	5	0	0	507
(1)	10.26	31.16	21.30	6.11	4.54	3.16	3.94	2.17	5.52	3.94	3.94	2.37	2.37	.39	.20	.99	.00	.00	100.00
(2)	1.25	3.80	2.60	.75	.55	.39	.48	.26	.67	.48	.48	.29	.29	.05	.02	.12	.00	.00	12.20

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-89 SSES 197' (60m) 2001-2006 November JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES NOVEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL				
		STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00																				
SPEED MPH	N	WIND DIRECTION FROM																VRBL				
		NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW						
CALM	0	0	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	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	42	166	175	91	80	68	84	72	79	64	46	11	6	3	1	8	0	0	0	0	0	996
(1)	1.01	4.00	4.21	2.19	1.93	1.64	2.02	1.73	1.90	1.54	1.11	.26	.14	.07	.02	.19	.00	.00	.00	.00	.00	23.97
(2)	1.01	4.00	4.21	2.19	1.93	1.64	2.02	1.73	1.90	1.54	1.11	.26	.14	.07	.02	.19	.00	.00	.00	.00	.00	23.97
4-7	135	288	127	34	38	26	46	61	64	118	153	65	39	20	26	21	0	0	0	0	0	1261
(1)	3.25	6.93	3.06	.82	.91	.63	1.11	1.47	1.54	2.84	3.68	1.56	.94	.48	.63	.51	.00	.00	.00	.00	.00	30.35
(2)	3.25	6.93	3.06	.82	.91	.63	1.11	1.47	1.54	2.84	3.68	1.56	.94	.48	.63	.51	.00	.00	.00	.00	.00	30.35
8-12	75	114	65	4	4	16	40	52	42	91	156	163	70	62	93	96	0	0	0	0	0	1143
(1)	1.81	2.74	1.56	.10	.10	.39	.96	1.25	1.01	2.19	3.75	3.92	1.68	1.49	2.24	2.31	.00	.00	.00	.00	.00	27.51
(2)	1.81	2.74	1.56	.10	.10	.39	.96	1.25	1.01	2.19	3.75	3.92	1.68	1.49	2.24	2.31	.00	.00	.00	.00	.00	27.51
13-18	23	15	5	1	0	0	25	34	23	48	56	165	53	21	59	47	0	0	0	0	0	575
(1)	.55	.36	.12	.02	.00	.00	.60	.82	.55	1.16	1.35	3.97	1.28	.51	1.42	1.13	.00	.00	.00	.00	.00	13.84
(2)	.55	.36	.12	.02	.00	.00	.60	.82	.55	1.16	1.35	3.97	1.28	.51	1.42	1.13	.00	.00	.00	.00	.00	13.84
19-24	0	0	0	0	0	5	5	19	20	23	9	29	8	23	3	3	0	0	0	0	0	147
(1)	.00	.00	.00	.00	.00	.12	.12	.46	.48	.55	.22	.70	.19	.55	.07	.07	.00	.00	.00	.00	.00	3.54
(2)	.00	.00	.00	.00	.00	.12	.12	.46	.48	.55	.22	.70	.19	.55	.07	.07	.00	.00	.00	.00	.00	3.54
GT 24	0	0	0	0	0	0	0	7	3	2	0	14	6	0	1	0	0	0	0	0	0	33
(1)	.00	.00	.00	.00	.00	.00	.00	.17	.07	.05	.00	.34	.14	.00	.02	.00	.00	.00	.00	.00	.00	.79
(2)	.00	.00	.00	.00	.00	.00	.00	.17	.07	.05	.00	.34	.14	.00	.02	.00	.00	.00	.00	.00	.00	.79
ALL SPEEDS	275	583	372	130	122	115	200	245	231	346	420	447	182	129	183	175	0	0	0	0	0	4155
(1)	6.62	14.03	8.95	3.13	2.94	2.77	4.81	5.90	5.56	8.33	10.11	10.76	4.38	3.10	4.40	4.21	.00	.00	.00	.00	.00	100.00
(2)	6.62	14.03	8.95	3.13	2.94	2.77	4.81	5.90	5.56	8.33	10.11	10.76	4.38	3.10	4.40	4.21	.00	.00	.00	.00	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-90 SSES 197' (60m) 2001-2006 December JFD
(Page 1 of 8)

197.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL										
		STABILITY CLASS A CLASS FREQUENCY (PERCENT) = .78																							
SPEED MPH		WIND DIRECTION FROM													TOTAL										
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W		WNW	NW	NNW	VRBL						
CALM	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	.00	.00					
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				
C-3	0	0	0	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	.00	.00	.00	.00	.00		
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		
4-7	0	0	0	0	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	.00	.00	.00	.00	.00	.00	
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
8-12	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13-18	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19-24	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	0	0	0	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	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-90 SSES 197' (60m) 2001-2006 December JFD
(Page 2 of 8)

197.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
		CLASS FREQUENCY (PERCENT) = .76																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
																			STABILITY CLASS B
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4-7	0	0	0	0	0	0	0	0	0	3	8	1	0	0	0	0	0	0	12
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.82	23.53	2.94	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.18	.02	.00	.00	.00	.00	.00	.00	.00
8-12	0	0	1	0	0	0	0	0	0	0	15	3	0	0	1	0	0	0	20
(1)	.00	.00	2.94	.00	.00	.00	.00	.00	.00	.00	44.12	8.82	.00	.00	2.94	.00	.00	.00	.00
(2)	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.34	.07	.00	.00	.02	.00	.00	.00	.00
13-18	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.94	2.94	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00	.00
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	1	0	0	0	0	0	0	3	24	5	0	0	1	0	0	0	34
(1)	.00	.00	2.94	.00	.00	.00	.00	.00	.00	8.82	70.59	14.71	.00	.00	2.94	.00	.00	.00	100.00
(2)	.00	.00	.02	.00	.00	.00	.00	.00	.00	.07	.54	.11	.00	.00	.02	.00	.00	.00	.76

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-90 SSES 197' (60m) 2001-2006 December JFD
(Page 3 of 8)

197.0 FT WIND DATA	SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
	CLASS FREQUENCY (PERCENT) = 2.04																	
	WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS C																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	3	0	0	1	2	0	0	1	1	0	0	0	0	0	0	8
(1)	.00	.00	3.30	.00	.00	1.10	2.20	.00	.00	1.10	1.10	.00	.00	.00	.00	.00	.00	8.79
(2)	.00	.00	.07	.00	.00	.02	.04	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00	.18
4-7	0	2	4	0	0	0	0	0	0	2	3	2	0	0	0	0	0	23
(1)	.00	2.20	4.40	.00	.00	.00	.00	.00	.00	2.20	3.30	2.20	.00	.00	.00	.00	.00	25.27
(2)	.00	.04	.09	.00	.00	.00	.00	.00	.00	.04	.07	.22	.04	.00	.00	.00	.00	.52
8-12	1	1	0	0	0	0	1	0	0	1	0	9	6	1	0	6	0	26
(1)	1.10	1.10	.00	.00	.00	.00	1.10	.00	.00	1.10	.00	9.89	6.59	1.10	.00	6.59	.00	28.57
(2)	.02	.02	.00	.00	.00	.00	.02	.00	.00	.02	.00	.20	.13	.02	.00	.13	.00	.58
13-18	0	0	1	0	0	0	0	0	0	0	2	7	19	0	1	1	0	31
(1)	.00	.00	1.10	.00	.00	.00	.00	.00	.00	.00	2.20	7.69	20.88	.00	1.10	1.10	.00	34.07
(2)	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.04	.16	.43	.00	.02	.02	.00	.69
19-24	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	3.30	.00	.00	.00	.00	3.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00	.00	.07
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	3	8	0	0	1	3	0	0	3	6	27	30	1	0	7	0	91
(1)	1.10	3.30	8.79	.00	.00	1.10	3.30	.00	.00	3.30	6.59	29.67	32.97	1.10	.00	7.69	.00	100.00
(2)	.02	.07	.18	.00	.00	.02	.07	.00	.00	.07	.13	.60	.67	.02	.00	.16	.00	2.04

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-90 SSES 197' (60m) 2001-2006 December JFD
(Page 4 of 8)

197.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													VRBL		TOTAL	
		CLASS FREQUENCY (PERCENT) = 45.99																
		WIND DIRECTION FROM																
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	
																		STABILITY CLASS D
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	3	11	16	13	7	9	17	19	16	26	15	4	6	1	2	3	0	168
(1)	.15	.54	.78	.63	.34	.44	.83	.93	.78	1.27	.73	.19	.29	.05	.10	.15	.00	8.18
(2)	.07	.25	.36	.29	.16	.20	.38	.43	.36	.58	.34	.09	.13	.02	.04	.07	.00	3.76
4-7	20	33	31	27	15	8	23	21	11	37	73	41	18	15	13	6	0	392
(1)	.97	1.61	1.51	1.32	.73	.39	1.12	1.02	.54	1.80	3.56	2.00	.88	.73	.63	.29	.00	19.09
(2)	.45	.74	.69	.60	.34	.18	.52	.47	.25	.83	1.64	.92	.40	.34	.29	.13	.00	8.78
8-12	48	36	27	11	7	9	20	13	15	28	80	106	84	49	96	93	0	722
(1)	2.34	1.75	1.32	.54	.34	.44	.97	.63	.73	1.36	3.90	5.16	4.09	2.39	4.68	4.53	.00	35.17
(2)	1.08	.81	.60	.25	.16	.20	.45	.29	.34	.63	1.79	2.37	1.88	1.10	2.15	2.08	.00	16.17
13-18	8	11	5	0	2	1	3	3	0	16	50	279	78	61	65	84	0	666
(1)	.39	.54	.24	.00	.10	.05	.15	.15	.00	.78	2.44	13.59	3.80	2.97	3.17	4.09	.00	32.44
(2)	.18	.25	.11	.00	.04	.02	.07	.07	.00	.36	1.12	6.25	1.75	1.37	1.46	1.88	.00	14.92
19-24	0	0	0	0	0	0	0	0	0	6	2	57	19	4	2	1	0	91
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.10	2.78	.93	.19	.10	.05	.00	4.43
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13	.04	1.28	.43	.09	.04	.02	.00	2.04
GT 24	0	0	0	0	0	0	0	0	2	1	0	9	2	0	0	0	0	14
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.10	.05	.00	.44	.10	.00	.00	.00	.00	.68
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.04	.02	.00	.20	.04	.00	.00	.00	.00	.31
ALL SPEEDS	79	91	79	51	31	27	63	56	44	114	220	496	207	130	178	187	0	2053
(1)	3.85	4.43	3.85	2.48	1.51	1.32	3.07	2.73	2.14	5.55	10.72	24.16	10.08	6.33	8.67	9.11	.00	100.00
(2)	1.77	2.04	1.77	1.14	.69	.60	1.41	1.25	.99	2.55	4.93	11.11	4.64	2.91	3.99	4.19	.00	45.99

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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-90 SSES 197' (60m) 2001-2006 December JFD
(Page 5 of 8)

197.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													CLASS FREQUENCY (PERCENT) = 30.58				
		STABILITY CLASS E													WIND DIRECTION FROM				TOTAL
		SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	11	31	54	27	20	29	29	47	35	30	25	6	4	1	1	6	6	0	349
(1)	.81	2.27	3.96	1.98	1.61	1.47	2.12	3.44	2.56	2.20	1.83	.44	.29	.07	.07	.44	.00	.00	25.57
(2)	.25	.69	1.21	.60	.45	.65	.65	1.05	.78	.67	.56	.13	.09	.02	.02	.13	.00	.00	7.82
4-7	36	47	37	17	15	16	16	22	20	47	75	45	14	14	4	9	9	0	428
(1)	2.64	3.44	2.71	1.25	.73	1.10	1.17	1.61	1.47	3.44	5.49	3.30	1.03	1.03	.29	.66	.00	.00	31.36
(2)	.81	1.05	.83	.38	.22	.34	.36	.49	.45	1.05	1.68	1.01	.31	.31	.09	.20	.00	.00	9.59
8-12	15	27	38	5	3	2	2	10	13	53	89	81	12	13	24	17	17	0	405
(1)	1.10	1.98	2.78	.37	.22	.15	.15	.73	.95	3.88	6.52	5.93	.88	.95	1.76	1.25	.00	.00	29.67
(2)	.34	.60	.85	.11	.07	.04	.04	.22	.29	1.19	1.99	1.81	.27	.29	.54	.38	.00	.00	9.07
13-18	0	9	5	0	3	4	4	5	3	13	10	80	5	0	11	4	4	0	158
(1)	.00	.66	.37	.00	.22	.44	.29	.37	.22	.95	.73	5.86	.37	.00	.81	.29	.00	.00	11.58
(2)	.00	.20	.11	.00	.07	.13	.09	.11	.07	.29	.22	1.79	.11	.00	.25	.09	.00	.00	3.54
19-24	0	0	0	0	1	3	3	3	1	0	2	4	1	0	0	0	0	0	18
(1)	.00	.00	.00	.00	.07	.22	.22	.22	.07	.00	.15	.29	.07	.00	.00	.00	.00	.00	1.32
(2)	.00	.00	.00	.00	.02	.07	.07	.07	.02	.00	.04	.09	.02	.00	.00	.00	.00	.00	.40
GT 24	0	0	0	0	1	0	0	0	2	2	0	2	0	0	0	0	0	0	7
(1)	.00	.00	.00	.00	.07	.00	.00	.00	.15	.15	.00	.15	.00	.00	.00	.00	.00	.00	.51
(2)	.00	.00	.00	.00	.02	.00	.00	.00	.04	.04	.00	.04	.00	.00	.00	.00	.00	.00	.16
ALL SPEEDS	62	114	134	49	48	54	54	87	74	145	201	218	36	28	40	36	36	0	1365
(1)	4.54	8.35	9.82	3.59	2.86	3.96	3.96	6.37	5.42	10.62	14.73	15.97	2.64	2.05	2.93	2.64	2.64	.00	100.00
(2)	1.39	2.55	3.00	1.10	.87	1.21	1.21	1.95	1.66	3.25	4.50	4.88	.81	.63	.90	.81	.81	.00	30.58

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-90 SSES 197' (60m) 2001-2006 December JFD
(Page 6 of 8)

197.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)													TOTAL				
STABILITY CLASS F		CLASS FREQUENCY (PERCENT) = 11.67													TOTAL				
WIND DIRECTION FROM		WIND DIRECTION FROM													TOTAL				
SPEED MPH		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	7	32	48	30	22	14	8	13	15	12	4	2	2	1	0	3	0	0	211
(1)	1.34	6.14	9.21	5.76	4.22	2.69	1.54	2.50	2.88	2.30	.77	.38	.19	.00	.58	.00	.00	.00	40.50
(2)	.16	.72	1.08	.67	.49	.31	.18	.29	.34	.27	.09	.04	.02	.00	.07	.00	.00	.00	4.73
4-7	30	64	26	2	2	2	2	4	15	30	32	6	6	0	2	5	4	0	226
(1)	5.76	12.28	4.99	.38	.38	.38	.38	.77	2.88	5.76	6.14	1.15	.00	.00	.38	.96	.77	.00	43.38
(2)	.67	1.43	.58	.04	.04	.04	.04	.09	.34	.67	.72	.13	.00	.00	.04	.11	.09	.00	5.06
8-12	1	1	1	0	0	0	2	2	2	9	20	37	0	0	0	2	1	0	76
(1)	.19	.19	.19	.00	.00	.00	.38	.00	.38	1.73	3.84	7.10	.00	.00	.00	.38	.19	.00	14.59
(2)	.02	.02	.02	.00	.00	.00	.04	.00	.04	.20	.45	.83	.00	.00	.00	.04	.02	.00	1.70
13-18	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.38	1.15	.00	.00	.00	.00	.00	.00	1.54
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.13	.00	.00	.00	.00	.00	.00	.18
19-24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	38	97	75	32	24	16	12	17	32	51	58	51	1	1	2	10	5	0	521
(1)	7.29	18.62	14.40	6.14	4.61	3.07	2.30	3.26	6.14	9.79	11.13	9.79	.19	.19	.38	1.92	.96	.00	100.00
(2)	.85	2.17	1.68	.72	.54	.36	.27	.38	.72	1.14	1.30	1.14	.02	.02	.04	.22	.11	.00	11.67

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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-90 SSES 197' (60m) 2001-2006 December JFD
(Page 7 of 8)

197.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		CLASS FREQUENCY (PERCENT) = 8.18																	
		WIND DIRECTION FROM																	
SPEED MPH	STABILITY CLASS G	WIND DIRECTION FROM																TOTAL	
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		VRBL
CALM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3		3	18	37	34	19	14	8	9	7	1	2	0	1	0	0	1	0	154
(1)		.82	4.93	10.14	9.32	5.21	3.84	2.19	2.47	1.92	.27	.55	.00	.27	.00	.00	.27	.00	42.19
(2)		.07	.40	.83	.76	.43	.31	.18	.20	.16	.02	.04	.00	.02	.00	.00	.02	.00	3.45
4-7		20	58	32	6	3	3	2	6	11	22	18	2	0	0	0	3	0	186
(1)		5.48	15.89	8.77	1.64	.82	.82	.55	1.64	3.01	6.03	4.93	.55	.00	.00	.82	.00	.00	50.96
(2)		.45	1.30	.72	.13	.07	.07	.04	.13	.25	.49	.40	.04	.00	.00	.07	.00	.00	4.17
8-12		0	0	0	0	0	1	0	0	1	4	9	9	0	0	0	0	0	24
(1)		.00	.00	.00	.00	.00	.27	.00	.00	.27	1.10	2.47	2.47	.00	.00	.00	.00	.00	6.58
(2)		.00	.00	.00	.00	.00	.02	.00	.00	.02	.09	.20	.20	.00	.00	.00	.00	.00	.54
13-18		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	.27	.00	.00	.00	.00	.00	.00	.00	.27
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02
19-24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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		23	76	69	40	22	18	10	15	19	28	29	11	1	0	4	0	0	365
(1)		6.30	20.82	18.90	10.96	6.03	4.93	2.74	4.11	5.21	7.67	7.95	3.01	.27	.00	1.10	.00	.00	100.00
(2)		.52	1.70	1.55	.90	.49	.40	.22	.34	.43	.63	.65	.25	.02	.00	.09	.00	.00	8.18

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Table 2.7-90 SSES 197' (60m) 2001-2006 December JFD
(Page 8 of 8)

197.0 FT WIND DATA		SSES DECEMBER MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)																TOTAL	
		STABILITY CLASS ALL																	
		WIND DIRECTION FROM																	
SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	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	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	24	92	158	104	70	58	64	88	73	70	48	12	12	2	6	10	0	891	0
(1)	.54	2.06	3.54	2.33	1.57	1.30	1.43	1.97	1.64	1.57	1.08	.27	.27	.04	.13	.22	.00	19.96	.00
(2)	.54	2.06	3.54	2.33	1.57	1.30	1.43	1.97	1.64	1.57	1.08	.27	.27	.04	.13	.22	.00	19.96	.00
4-7	106	204	130	52	31	28	43	53	62	150	220	97	32	31	22	22	0	1283	0
(1)	2.37	4.57	2.91	1.16	.69	.63	.96	1.19	1.39	3.36	4.93	2.17	.72	.69	.49	.49	.00	28.74	.00
(2)	2.37	4.57	2.91	1.16	.69	.63	.96	1.19	1.39	3.36	4.93	2.17	.72	.69	.49	.49	.00	28.74	.00
8-12	65	65	67	16	10	13	26	23	32	96	231	245	97	62	123	117	0	1288	0
(1)	1.46	1.46	1.50	.36	.22	.29	.58	.52	.72	2.15	5.17	5.49	2.17	1.39	2.76	2.62	.00	28.85	.00
(2)	1.46	1.46	1.50	.36	.22	.29	.58	.52	.72	2.15	5.17	5.49	2.17	1.39	2.76	2.62	.00	28.85	.00
13-18	8	20	11	0	5	7	7	8	3	32	72	386	83	61	77	89	0	869	0
(1)	.18	.45	.25	.00	.11	.16	.16	.18	.07	.72	1.61	8.65	1.86	1.37	1.72	1.99	.00	19.47	.00
(2)	.18	.45	.25	.00	.11	.16	.16	.18	.07	.72	1.61	8.65	1.86	1.37	1.72	1.99	.00	19.47	.00
19-24	0	0	0	0	1	3	3	3	1	6	4	64	20	4	2	1	0	112	0
(1)	.00	.00	.00	.00	.02	.07	.07	.07	.02	.13	.09	1.43	.45	.09	.04	.02	.00	2.51	.00
(2)	.00	.00	.00	.00	.02	.07	.07	.07	.02	.13	.09	1.43	.45	.09	.04	.02	.00	2.51	.00
GT 24	0	0	0	0	0	1	0	0	4	3	0	11	2	0	0	0	0	21	0
(1)	.00	.00	.00	.00	.00	.02	.00	.00	.09	.07	.00	.25	.04	.00	.00	.00	.00	.47	.00
(2)	.00	.00	.00	.00	.00	.02	.00	.00	.09	.07	.00	.25	.04	.00	.00	.00	.00	.47	.00
ALL SPEEDS	203	381	366	172	117	110	143	175	175	357	575	815	246	160	230	239	0	4464	0
(1)	4.55	8.53	8.20	3.85	2.62	2.46	3.20	3.92	3.92	8.00	12.88	18.26	5.51	3.58	5.15	5.35	.00	100.00	.00
(2)	4.55	8.53	8.20	3.85	2.62	2.46	3.20	3.92	3.92	8.00	12.88	18.26	5.51	3.58	5.15	5.35	.00	100.00	.00

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

Table 2.7-91 Monthly Mean Wind Speed and Prevailing Wind Direction (tens of degrees) for Sites Around Bell Bend Nuclear Power Plant

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/Scranton, PA	8.1	8.3	8.7	8.4	7.6	6.8	6.5	6.2	6.6	7.0	7.7	7.8	7.5
	240	250	330	350	230	240	250	110	230	240	240	240	240
Allentown, PA	8.8	9.1	9.6	9.1	8.2	7.4	6.7	6.2	6.6	7.1	7.9	8.3	7.9
	280	280	300	330	240	250	240	240	240	250	250	270	280
Williamsport, PA	8.1	8.1	8.3	8.1	7.0	6.3	5.8	5.3	5.6	6.0	7.2	7.4	6.9
	280	280	280	280	280	280	280	280	280	280	280	280	280

Table 2.7-92 Monthly Maximum Two-Minute Wind Speed and Direction (tens of degrees) for Sites Around Bell Bend Nuclear Power Plant

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/Scranton, PA	36	38	39	34	45	36	39	46	45	36	40	43	46
	230	260	280	260	310	290	360	250	320	280	270	260	250
Allentown, PA	43	38	46	40	53	33	38	32	35	35	39	39	53
	190	290	80	270	250	340	250	300	70	270	270	200	250
Williamsport, PA	43	45	43	39	47	45	33	37	44	40	43	39	47
	240	260	240	260	250	250	220	360	250	260	250	260	250

Table 2.7-93 Monthly Maximum Five-Second Wind Speed and Direction (tens of degrees) for Sites Around Bell Bend Nuclear Power Plant

SITE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Wilkes-Barre/Scranton, PA	49	47	53	45	55	45	47	55	51	48	52	55	55
	130	270	250	250	310	310	10	230	350	280	260	200	200
Allentown, PA	53	53	56	53	68	46	47	40	47	48	51	51	68
	160	340	80	260	250	300	250	290	160	290	300	200	250
Williamsport, PA	49	59	55	51	67	59	60	58	52	54	56	53	67
	270	260	250	310	250	260	280	270	110	280	260	290	250

Table 2.7-94 SSES 33' (10m) Wind Direction Persistence Summary for 2001
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SSES JAN01-DEC01 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

33.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL	
	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
N	149	48	19	14	10	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	246
NNE	198	58	25	7	11	6	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	306
NE	333	93	23	7	3	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	462
ENE	385	125	52	34	18	22	8	4	8	3	3	2	4	1	1	0	0	0	0	0	0	0	0	0	0	670
E	394	96	28	13	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	535
ESE	274	43	8	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	330
SE	253	39	12	8	3	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319
SSE	216	32	17	9	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	281
S	245	76	21	12	5	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	365
SSW	249	70	40	12	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	377

Table 2.7-94 SSES 33' (10m) Wind Direction Persistence Summary for 2001
(Page 2 of 2)

SSES JAN01-DEC01 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
33.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL	
	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
SW	233	92	52	32	12	7	2	5	0	1	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	440
	53	74	86	93	96	97	98	99	99	99	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	
WSW	159	55	21	7	7	5	3	2	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	263
	60	81	89	92	95	97	98	98	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
W	99	27	8	3	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	142
	70	89	94	96	97	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WNW	92	18	6	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118
	78	93	98	98	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NW	101	38	11	10	3	6	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	172
	59	81	87	93	95	98	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NNW	114	31	18	9	6	3	4	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	187
	61	78	87	92	95	97	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	3494	941	361	180	92	63	26	15	14	9	6	4	5	1	1	1	0	0	0	0	0	0	0	0	0	5213

Table 2.7-95 SSES 33' (10m) Wind Direction Persistence Summary for 2002

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SSES JAN02-DECO2 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

33.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																				TOTAL					
	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
N	136	33	23	13	10	4	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223
	61	76	86	92	96	98	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	193	78	31	14	5	4	3	0	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	333
	58	81	91	95	96	98	98	98	99	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
NE	366	78	28	13	6	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	494
	74	90	96	98	99	99	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	310	98	45	22	12	13	7	9	6	9	4	3	1	2	0	0	0	0	0	0	0	0	0	0	0	541
	57	75	84	88	90	92	94	95	96	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0
E	348	75	20	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	449
	78	94	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	271	36	9	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	320
	85	96	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	251	27	9	5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	295
	85	94	97	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	206	52	13	8	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	282
	73	91	96	99	99	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	259	58	27	15	4	5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	371
	70	85	93	97	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	304	74	30	11	10	3	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	441
	69	86	93	95	97	98	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.7-95 SSES 33' (10m) Wind Direction Persistence Summary for 2002
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SSES JAN02-DEC02 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
33.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL	
	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
SW	236	96	65	27	16	14	12	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	468
	50	71	85	91	94	97	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
WSW	193	65	16	10	6	5	7	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	305
	63	85	90	93	95	97	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
W	117	32	11	7	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	172
	68	87	93	97	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WNW	85	26	4	1	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120
	71	93	96	97	98	98	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NW	95	22	10	6	3	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	143
	66	82	89	93	95	97	97	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NNW	88	34	14	6	8	3	3	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	161
	55	76	84	88	93	95	97	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	3458	884	355	163	88	58	44	22	15	14	6	5	3	2	0	0	0	0	0	0	0	0	0	0	1	5118

Table 2.7-96 SSES 33' (10m) Wind Direction Persistence Summary for 2003

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SSES JAN03-DECO3 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

33.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL	
	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
N	114	33	18	8	5	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186
	61	79	89	93	96	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	226	85	32	13	10	1	4	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	376
	60	83	91	95	97	98	99	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0
NE	366	110	42	17	15	5	6	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	565
	65	84	92	95	97	98	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	324	95	44	33	15	16	10	4	3	5	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	558
	58	75	83	89	92	94	96	97	97	98	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0
E	372	68	19	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	464
	80	95	99	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	261	51	10	6	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	332
	79	94	97	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	286	44	28	8	7	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	375
	76	88	95	98	99	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0
SSE	239	36	15	8	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	302
	79	91	96	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	258	70	20	5	1	3	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	361
	71	91	96	98	98	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	263	85	34	13	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	396
	66	88	96	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.7-96 SSES 33' (10m) Wind Direction Persistence Summary for 2003
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SSES JAN03-DEC03 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
33.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL	
	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
SW	202	96	28	24	13	8	12	2	0	3	1	2	0	0	0	0	0	0	0	0	1	0	0	0	0	392
	52	76	83	89	93	95	98	98	98	99	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	
WSW	161	59	34	9	12	1	3	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	283	
	57	78	90	93	97	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
W	109	28	12	3	6	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	160	
	68	86	93	95	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WNW	80	33	4	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	
	65	92	95	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NW	81	33	15	3	0	1	2	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	137	
	59	83	94	96	96	97	99	99	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	
NNW	66	28	10	10	3	1	2	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	128	
	52	73	81	89	91	92	94	96	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	3408	954	365	168	94	43	47	21	6	13	7	7	1	0	2	1	0	0	0	0	1	0	0	0	5138	

Table 2.7-97 SSES 33' (10m) Wind Direction Persistence Summary for 2004
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SSES JAN04-DECO4 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
33.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL	
	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
N	154	44	20	15	5	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	243
	63	81	90	96	98	98	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NNE	257	75	46	23	13	5	7	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	429
	60	77	88	93	97	98	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NE	416	126	42	14	12	6	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	620
	67	87	94	96	98	99	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	
ENE	320	104	42	23	24	18	10	6	0	5	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	555
	58	76	84	88	92	96	97	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	
E	355	65	16	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	444
	80	95	98	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESE	251	37	6	4	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	302
	83	95	97	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SE	232	42	12	5	4	4	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	301
	77	91	95	97	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SSE	209	38	10	5	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	268
	78	92	96	98	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
S	233	57	23	9	4	6	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	335
	70	87	93	96	97	99	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	
SSW	277	81	13	12	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	388
	71	92	96	99	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 2.7-97 SSES 33' (10m) Wind Direction Persistence Summary for 2004
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SSES JAN04-DEC04 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
33.0 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	
SW	213	93	40	31	14	9	10	5	5	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	423
	50	72	82	89	92	95	97	98	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	174	37	22	10	4	2	2	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	254
	69	83	92	96	97	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	100	19	8	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131
	76	91	97	97	98	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNNW	77	17	8	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106
	73	89	96	96	96	96	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	92	24	14	8	2	2	1	2	4	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	153
	60	76	85	90	92	93	93	95	97	97	97	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	92	32	23	9	8	1	2	2	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	172
	53	72	85	91	95	96	97	98	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	3452	891	345	176	103	54	42	20	17	9	2	4	6	2	1	0	0	0	0	0	0	0	0	0	0	0	5124

Table 2.7-98 SSES 33' (10m) Wind Direction Persistence Summary for 2005

(Page 1 of 2)

SSES JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

33.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL	
	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
N	161	49	21	20	9	5	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	274
NNE	243	71	23	13	10	4	5	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	374
NE	388	100	30	16	6	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	546
ENE	313	124	47	33	24	11	12	10	3	2	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	587
E	380	74	20	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	480
ESE	240	38	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	291
SE	243	41	19	6	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	314
SSE	220	27	8	6	4	0	2	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	270
S	241	48	17	13	5	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	328
SSW	240	93	31	12	8	3	2	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	392

Table 2.7-98 SSES 33' (10m) Wind Direction Persistence Summary for 2005
(Page 2 of 2)

SSES JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
33.0 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	
SW	230	71	44	33	8	7	5	3	1	1	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	406
	57	74	85	93	95	97	98	99	99	99	99	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0
WSW	156	51	13	17	4	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	247
	63	84	89	96	98	99	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	104	37	15	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	162
	64	87	96	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	86	24	11	5	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129
	67	85	94	98	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	90	25	9	10	5	5	1	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149
	60	77	83	90	93	97	97	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	109	33	9	15	7	3	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	180
	61	79	84	92	96	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	3444	906	326	211	95	50	39	23	9	10	8	5	2	0	0	1	0	0	0	0	0	0	0	0	0	0	5129

Table 2.7-99 SSES 33' (10m) Wind Direction Persistence Summary for 2006

(Page 1 of 2)

SSES JAN06-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

33.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																				TOTAL					
	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
N	146	53	28	12	7	4	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	254
NNE	221	76	31	18	6	4	3	2	1	1	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	366
NE	379	93	36	17	8	3	2	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	541
ENE	333	103	41	24	18	11	10	10	4	5	2	0	1	1	1	0	0	0	0	0	0	0	0	0	0	564
E	354	58	14	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	430
ESE	240	41	13	5	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	301
SE	220	35	13	6	4	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	281
SSE	200	44	14	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	263
S	250	65	14	10	3	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	349
SSW	278	78	29	10	4	6	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	407

Table 2.7-99 SSES 33' (10m) Wind Direction Persistence Summary for 2006
(Page 2 of 2)

SSES JAN06-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
33.0 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	
SW	204	71	44	35	13	11	9	7	2	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	399
	51	69	80	89	92	95	97	99	99	99	99	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0
WSW	154	41	26	8	7	3	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	241
	64	81	92	95	98	99	99	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	126	30	8	5	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	174
	72	90	94	97	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	101	25	9	8	6	2	1	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	156
	65	81	87	92	96	97	97	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	121	31	15	7	2	5	1	3	0	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	189
	64	80	88	92	93	96	96	98	98	98	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0
NNW	103	32	23	11	8	0	4	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	184
	56	73	86	92	96	96	98	98	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	3430	876	358	181	91	57	35	29	13	7	7	3	3	3	4	2	0	0	0	0	0	0	0	0	0	0	5099

Table 2.7-100 SSES 33' (10m) Average Wind Direction Persistence Summary for Years 2001-2006

(Page 1 of 2)

		WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY																										
SECTOR	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	143.3	43.3	21.5	13.7	7.7	3.2	2.3	1.5	0.3	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	237.7	
	60.3	78.5	87.7	93.3	96.7	97.8	98.8	99.5	49.7	50.0	33.3	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NNE	223.0	73.8	31.3	14.7	9.2	4.0	3.7	1.8	0.5	1.0	0.3	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	364.0
	61.3	81.7	90.3	94.3	96.7	98.0	98.8	99.3	99.5	99.7	49.8	50.0	50.0	33.3	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	0.0
NE	374.7	100.0	33.5	14.0	8.3	2.8	2.0	1.0	0.5	0.3	0.0	0.3	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	538.0
	69.8	88.2	94.7	97.2	98.5	98.8	99.7	100.0	100.0	83.3	50.0	33.3	33.3	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	330.8	108.2	45.2	28.2	18.5	15.2	9.5	7.2	4.0	4.8	3.0	1.8	1.7	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	579.2
	57.0	75.5	83.7	88.5	91.7	94.2	95.8	97.3	97.7	98.5	99.0	99.3	100.0	66.7	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	367.2	72.7	19.5	6.0	0.8	0.5	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	467.0
	78.8	94.5	98.5	99.8	83.3	66.7	33.3	16.7	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	256.2	41.0	9.2	3.8	1.3	0.2	0.5	0.2	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.7
	82.0	95.0	98.0	99.2	83.0	83.0	66.5	33.3	33.3	16.7	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	247.5	38.0	15.5	6.3	3.5	1.5	1.0	0.0	0.5	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	314.2
	78.7	91.0	95.5	98.0	98.8	99.3	99.7	49.7	50.0	33.3	16.7	16.7	16.7	16.7	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	215.0	38.2	12.8	6.3	3.2	0.8	0.7	0.0	0.0	0.3	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	277.7
	77.3	91.0	95.7	98.3	99.3	99.7	66.5	33.2	33.2	16.7	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	247.7	62.3	20.3	10.7	3.7	4.3	1.0	0.5	0.3	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	351.5
	70.5	88.2	93.8	97.0	98.0	99.3	99.5	83.2	83.3	66.7	16.7	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	268.5	80.2	29.5	11.7	4.8	2.2	1.5	0.8	0.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400.2
	66.8	87.2	94.7	97.5	98.7	99.3	99.7	66.5	66.5	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	219.7	86.5	45.5	30.3	12.7	9.3	8.3	3.8	1.3	0.8	0.7	1.0	0.5	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	421.3
	52.2	72.7	83.5	90.7	93.7	96.0	98.0	98.8	99.0	99.2	99.5	99.8	99.8	66.5	66.7	66.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	0.0

Table 2.7-100 SSES 33' (10m) Average Wind Direction Persistence Summary for Years 2001-2006

(Page 2 of 2)

		WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY																										
SECTOR	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		
WSW	166.2	51.3	22.0	10.2	6.7	3.3	2.7	1.2	1.0	0.3	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	265.5
	62.7	82.0	90.3	94.2	96.7	98.0	99.0	99.3	100.0	100.0	66.7	50.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	109.2	28.8	10.3	3.7	2.3	0.8	0.8	0.2	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	156.8
	69.7	88.3	94.5	96.8	98.2	98.8	82.7	66.0	66.5	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	86.8	23.8	7.0	3.0	2.0	0.5	0.8	0.8	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125.3
	69.8	88.8	94.3	96.5	97.8	81.5	82.2	66.3	33.2	16.5	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	96.7	28.8	12.3	7.3	2.5	3.7	1.0	1.7	1.2	0.2	0.5	0.7	0.2	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	157.2
	61.3	79.8	87.7	92.3	94.0	96.3	96.8	98.0	82.0	82.0	82.3	49.5	49.7	33.0	33.2	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	95.3	31.7	16.2	10.0	6.7	1.8	2.8	1.0	1.0	0.8	0.7	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	168.7
	56.3	75.2	84.5	90.7	94.3	95.7	97.3	98.0	98.7	99.0	82.7	66.3	33.2	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	3447.7	908.7	351.7	179.8	93.8	54.2	38.8	21.7	12.3	10.3	6.0	4.7	3.3	1.3	1.3	0.8	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	5136.8

Table 2.7-101 SSES 197' (60m) Wind Direction Persistence Summary for 2001
(Page 1 of 3)

SSES JAN01-DECO1 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 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	165	67	32	17	8	8	3	3	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	306
	54	76	86	92	94	97	98	99	99	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	271	104	48	35	33	13	6	10	8	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	532
	51	70	80	86	92	95	96	98	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	303	116	43	13	6	4	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	489
	62	86	94	97	98	99	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	245	35	14	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	298
	82	94	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	174	35	7	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223
	78	94	97	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	183	27	5	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	220
	83	95	98	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	175	42	11	4	3	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	238
	74	91	96	97	99	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	192	29	16	10	4	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	256
	75	86	93	96	98	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	233	59	21	7	7	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	333
	70	88	94	96	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	251	79	24	18	5	8	2	1	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	395
	64	84	90	94	95	97	98	98	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.7-101 SSES 197' (60m) Wind Direction Persistence Summary for 2001
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SSES JAN01-DEC01 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL	
	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
SW	266	103	54	29	16	8	2	3	4	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	488
	55	76	87	93	96	98	98	99	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	
WSW	191	66	26	23	16	10	4	3	3	1	0	1	0	1	0	1	0	0	0	1	0	1	0	0	2	350
	55	73	81	87	92	95	96	97	98	98	98	98	98	99	99	99	99	99	99	99	99	99	99	99	100	100
W	116	36	9	8	3	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	176
	66	86	91	96	98	98	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	94	27	8	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	141
	67	86	91	97	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	85	44	19	5	6	4	2	0	0	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	169
	50	76	88	91	94	96	98	98	98	98	98	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0
NNW	95	28	18	9	5	4	5	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	165
	58	75	85	91	94	96	99	99	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0
TOTAL	3039	897	355	197	118	68	31	24	20	8	6	2	3	2	1	4	0	0	0	0	1	0	1	0	2	4779

Table 2.7-102 SSES 197' (60m) Wind Direction Persistence Summary for 2002

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SSES JAN02-DECO2 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

197.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																				TOTAL					
	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
N	153	39	25	17	15	4	5	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	263
	58	73	83	89	95	96	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	244	94	54	29	15	14	11	5	5	1	3	3	1	0	2	0	0	0	0	0	0	0	0	0	1	482
	51	70	81	87	90	93	96	97	98	98	99	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100
NE	284	103	38	15	15	4	3	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	465
	61	83	91	95	98	99	99	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	208	43	8	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	262
	79	96	99	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	151	29	10	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	194
	78	93	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	149	26	8	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186
	80	94	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	149	34	9	4	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200
	75	92	96	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	142	43	13	6	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	210
	68	88	94	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	229	58	31	10	7	4	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	341
	67	84	93	96	98	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	273	69	32	18	6	6	2	3	1	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	414
	66	83	90	95	96	98	98	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.7-102 SSES 197' (60m) Wind Direction Persistence Summary for 2002
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SSES JAN02-DEC02 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL	
	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
SW	286	125	52	32	21	13	3	5	2	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	542
	53	76	85	91	95	98	98	99	99	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0
WSW	210	95	59	26	16	16	7	5	1	2	2	2	1	0	0	1	0	0	0	0	0	0	0	0	1	444
	47	69	82	88	91	95	97	98	98	98	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100
W	118	39	15	12	4	1	4	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	197
	60	80	87	93	95	96	98	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	96	29	7	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	137
	70	91	96	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	84	24	14	12	3	3	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145
	58	74	84	92	94	97	98	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	88	46	10	11	7	0	5	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	170
	52	79	85	91	95	95	98	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2864	896	385	199	119	67	46	28	12	9	8	8	5	1	2	1	0	0	0	0	0	0	0	0	2	4652

Table 2.7-102 SSES 197' (60m) Wind Direction Persistence Summary for 2002
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SSES JAN02-DEC02 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

197.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

		DIRECTION PERSISTENCE (HOURS)																								TOTAL	
		PERSISTENCE GREATER THAN 24 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
	DIRECTION	HOURS																								NUMBER	
	NNE	25																								0	
	NNE	26																								1	
		WSW																								25	
		WSW																								26	
		WSW																								27	
		WSW																								28	

Table 2.7-103 SSES 197' (60m) Wind Direction Persistence Summary for 2003
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SSES JAN03-DECO3 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

197.0 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	113	59	18	15	6	6	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	221
	51	78	86	93	95	98	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	222	106	60	34	27	18	13	7	4	5	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	499
	44	66	78	85	90	94	96	98	98	99	99	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0
NE	289	117	49	27	13	4	5	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	508
	57	80	90	95	97	98	99	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0
ENE	199	42	12	12	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	272
	73	89	93	97	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	193	34	7	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	239
	81	95	98	98	99	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	156	39	9	1	5	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	212
	74	92	96	97	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	212	41	9	7	4	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	275
	77	92	95	98	99	99	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0
SSE	207	41	10	7	4	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	274
	76	91	94	97	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	237	45	17	15	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319
	74	88	94	98	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	249	83	24	15	6	3	4	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	386
	65	86	92	96	98	98	99	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.7-103 SSES 197' (60m) Wind Direction Persistence Summary for 2003
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SSES JAN03-DEC03 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL	
	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
SW	244	127	49	32	19	9	6	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	490
	50	76	86	92	96	98	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	184	70	50	26	19	8	6	1	3	3	1	0	2	0	1	1	0	0	1	1	0	1	0	0	2	380
	48	67	80	87	92	94	96	96	97	97	98	98	98	98	98	99	99	99	99	99	99	99	99	99	100	100
W	111	35	17	11	8	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186
	60	78	88	94	98	98	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	97	21	15	6	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	141
	69	84	94	99	99	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	76	26	8	8	5	4	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	130
	58	78	85	91	95	98	98	99	99	99	99	99	99	99	99	99	99	100	0	0	0	0	0	0	0	0
NNW	66	23	13	5	7	2	0	4	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	123
	54	72	83	87	93	94	94	98	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2855	909	367	222	131	61	42	21	12	14	3	3	4	0	3	1	1	1	1	1	1	0	1	0	2	4655

Table 2.7-103 SSES 197' (60m) Wind Direction Persistence Summary for 2003
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SSES JAN03-DEC03 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

197.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL		
	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	
	PERSISTENCE GREATER THAN 24 HOURS																										
	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	DIRECTION	
	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	
WSW	25					0			WSW			30														0	
WSW	26					0			WSW			31														0	
WSW	27					0			WSW			32														0	
WSW	28					1			WSW			33														1	
WSW	29					0																				0	

Table 2.7-104 SSES 197' (60m) Wind Direction Persistence Summary for 2004

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SSES JAN04-DECO4 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

197.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL	
	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
N	190	48	26	20	5	6	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	301
	63	79	88	94	96	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	259	118	66	43	30	21	6	4	5	2	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	562
	46	67	79	86	92	96	97	97	98	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0
NE	315	128	42	22	10	9	3	4	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	538
	59	82	90	94	96	98	98	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0
ENE	249	31	10	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	294
	85	95	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	180	34	12	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	229
	79	93	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	158	25	2	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	190
	83	96	97	98	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	163	26	9	5	5	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	212
	77	89	93	96	98	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	178	35	9	5	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	231
	77	92	96	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	216	40	17	10	6	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	292
	74	88	93	97	99	99	99	99	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	260	65	28	11	4	5	4	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	381
	68	85	93	96	97	98	99	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.7-104 SSES 197' (60m) Wind Direction Persistence Summary for 2004
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SSES JAN04-DEC04 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL	
	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
SW	305	107	47	21	17	12	4	5	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	522
	58	79	88	92	95	98	98	99	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	186	69	36	18	15	9	8	2	3	6	2	2	1	1	2	0	0	0	0	0	0	0	0	0	1	361
	52	71	81	86	90	92	94	95	96	98	98	99	99	99	100	100	100	100	100	100	100	100	100	100	100	100
W	115	21	11	7	3	1	1	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164
	70	83	90	94	96	96	97	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	84	23	7	5	3	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125
	67	86	91	95	98	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	75	27	17	5	8	2	3	2	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	144
	52	71	83	86	92	93	95	97	98	98	99	99	99	99	99	99	99	99	99	99	99	99	99	99	100	0
NNW	83	32	14	6	7	2	3	0	2	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	153
	54	75	84	88	93	94	96	96	97	99	99	99	99	99	99	99	99	99	99	99	99	99	100	0	0	0
TOTAL	3016	829	353	183	118	72	39	24	18	17	9	9	3	2	2	0	0	0	0	0	0	1	1	1	1	4699

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
WSW	25	0
WSW	26	1

Table 2.7-105 SSES 197' (60m) Wind Direction Persistence Summary for 2005

(Page 1 of 2)

SSES JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

197.0 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	137	57	28	15	9	7	5	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	263
NNE	234	93	55	21	13	17	11	9	2	6	3	2	1	2	0	1	0	0	0	1	0	0	0	0	1	472
NE	267	88	24	14	6	5	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	411
ENE	180	39	6	4	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	232
E	147	26	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	181
ESE	141	26	9	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	179
SE	129	30	8	12	5	2	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	189
SSE	128	23	24	7	0	3	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	187
S	164	37	15	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	222
SSW	181	60	23	7	5	3	4	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	287

Table 2.7-105 SSES 197' (60m) Wind Direction Persistence Summary for 2005
(Page 2 of 2)

SSES JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 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	
SW	182	76	37	14	6	6	5	2	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	331
WSW	55	78	89	93	95	97	98	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	286
W	142	62	26	18	15	4	5	2	2	2	1	0	2	0	2	0	1	1	0	1	0	0	0	0	0	0	179
WNW	50	71	80	87	92	93	95	96	97	97	98	98	98	98	99	99	99	100	100	100	0	0	0	0	0	0	125
NW	104	45	11	8	6	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	152
NNW	58	83	89	94	97	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	138
TOTAL	2384	749	298	142	79	61	43	28	9	12	6	6	5	2	2	2	2	2	1	0	2	0	0	0	0	1	3834

PERSISTENCE GREATER THAN 24 HOURS

DIRECTION	HOURS	NUMBER
WSW	25	0
WSW	26	0
WSW	27	1

Table 2.7-106 SSES 197' (60m) Wind Direction Persistence Summary for 2006

(Page 1 of 3)

SSES JAN06-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

197.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL	
	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
N	188	69	25	18	10	9	5	1	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	330
	57	78	85	91	94	97	98	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	265	95	67	36	21	14	13	6	5	3	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0	531
	50	68	80	87	91	94	96	97	98	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	295	102	42	15	11	4	4	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	477
	62	83	92	95	97	98	99	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	209	37	8	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	259
	81	95	98	99	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	157	30	12	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	204
	77	92	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	137	28	6	3	1	0	0	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	179
	77	92	96	97	98	98	98	99	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	150	28	12	5	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200
	75	89	95	98	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	163	31	7	5	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	208
	78	93	97	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	182	52	12	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	254
	72	92	97	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	251	61	27	12	11	2	1	0	0	1	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	370
	68	84	92	95	98	98	99	99	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.7-106 SSES 197' (60m) Wind Direction Persistence Summary for 2006
(Page 2 of 3)

SSES JAN06-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL		
	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	
SW	263	107	69	27	17	10	2	6	1	0	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	506
WSW	227	84	40	24	16	14	5	4	4	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	423	
W	133	39	17	6	7	3	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	210	
WNW	97	38	15	10	5	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	170	
NW	94	36	22	10	3	5	1	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	176	
NNW	105	36	15	13	6	1	1	0	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	181	
TOTAL	2916	873	396	197	115	65	38	27	16	10	4	5	3	4	4	0	0	0	1	1	0	0	1	0	2	4678	

PERSISTENCE GREATER THAN 24 HOURS
DIRECTION HOURS NUMBER

Table 2.7-106 SSES 197' (60m) Wind Direction Persistence Summary for 2006
(Page 3 of 3)

SSES JAN06-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION	DIRECTION PERSISTENCE (HOURS)																								TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
WSW	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47		

Table 2.7-107 SSES 197' (60m) Average Wind Direction Persistence Summary for Years 2001-2006
(Page 1 of 2)

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

SECTOR	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	157.7	56.5	25.7	17.0	8.8	6.7	3.7	2.2	0.5	1.3	0.2	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	280.7	
	55.8	76.3	85.3	91.5	94.7	97.0	98.3	99.2	99.3	99.8	49.8	33.2	33.3	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NNE	249.2	101.7	58.3	33.0	23.2	16.2	10.0	6.8	4.8	2.8	2.0	2.2	0.7	0.3	0.8	0.2	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.3	513.0
	48.7	68.3	79.8	86.0	90.5	94.0	95.8	97.2	97.8	98.7	99.0	99.5	82.8	83.2	66.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	33.3	33.3	0.0	0.0	
NE	292.2	109.0	39.7	17.7	10.2	5.0	3.5	2.3	0.5	0.3	0.3	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	481.3
	61.0	83.3	91.5	95.3	97.2	98.3	99.0	99.8	99.8	100.0	83.3	50.0	33.3	33.3	33.3	16.7	16.7	16.7	16.7	16.7	16.7	16.7	0.0	0.0	0.0	0.0	0.0	
ENE	215.0	37.8	9.7	4.0	1.3	1.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	269.5
	79.7	93.8	97.5	98.7	99.7	100.0	66.7	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	167.0	31.3	8.5	2.8	1.3	0.3	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	211.7
	79.0	93.8	97.8	99.2	99.7	33.2	16.5	16.5	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	154.0	28.5	6.5	1.7	1.5	0.5	0.5	0.7	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	194.3
	79.3	93.7	97.2	98.2	98.8	99.0	82.7	66.3	33.2	16.5	16.5	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	163.0	33.5	9.7	6.2	3.7	1.2	0.8	0.0	0.3	0.0	0.2	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	219.0
	74.3	89.5	93.8	97.0	98.5	99.3	99.8	83.2	83.2	49.8	33.3	16.7	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	168.3	33.7	13.2	6.7	2.3	1.2	1.2	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	227.7
	73.7	88.5	94.7	97.3	98.3	99.2	99.7	66.3	49.8	16.5	16.5	16.5	16.5	16.5	16.5	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	210.2	48.5	18.8	8.5	4.2	1.5	0.7	0.5	0.0	0.3	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	293.5
	71.8	88.5	94.7	97.5	98.8	82.7	66.2	49.7	33.0	33.2	16.7	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	244.2	69.5	26.3	13.5	6.2	4.5	2.8	1.0	1.3	0.8	0.3	0.5	0.8	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	372.2
	65.7	84.3	91.5	95.0	96.7	97.7	98.7	98.8	99.3	99.5	99.7	99.7	50.0	33.3	16.7	16.7	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	257.7	107.5	51.3	25.8	16.0	9.7	3.7	3.5	1.5	1.0	0.8	0.5	0.2	0.3	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.8

Table 2.7-107 SSES 197' (60m) Average Wind Direction Persistence Summary for Years 2001-2006
(Page 2 of 2)

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

SECTOR	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	
	53.8	76.3	87.0	92.2	95.3	97.7	98.2	99.0	99.7	99.8	83.3	50.0	33.3	33.3	33.3	16.7	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	190.0	74.3	39.5	22.5	16.2	10.2	5.8	2.8	2.7	2.5	1.0	1.0	0.5	0.8	0.5	0.2	0.2	0.2	0.2	0.5	0.0	0.3	0.0	0.0	1.3	374.0	
	51.0	70.8	81.2	87.3	91.5	94.2	95.8	96.7	97.5	97.8	98.3	98.5	98.7	99.0	99.3	99.5	99.5	99.7	99.7	99.7	83.0	83.0	83.0	83.0	83.3	0.0	0.0
W	116.2	35.8	13.3	8.7	5.2	1.3	1.5	2.0	0.2	0.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	185.3
	62.8	82.0	89.2	94.0	96.7	97.3	98.2	99.3	82.7	83.0	33.2	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	90.8	28.0	9.8	6.2	2.5	1.2	0.3	0.3	0.2	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	139.8
	65.3	85.3	91.8	96.5	98.2	99.0	82.5	82.7	66.2	49.7	33.0	33.2	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	84.7	30.5	15.3	7.5	4.5	3.7	2.0	1.7	0.5	0.2	0.5	0.3	0.3	0.0	0.3	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	152.7
	55.5	75.3	85.5	90.3	93.3	95.8	97.0	98.2	81.8	82.0	82.3	82.3	82.7	66.0	66.0	66.2	49.5	49.7	33.0	33.0	33.0	33.0	33.2	16.7	0.0	0.0	0.0
NNW	85.7	32.7	13.3	8.3	6.3	1.7	3.0	1.0	0.7	1.2	0.3	0.2	0.2	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	155.0
	55.3	76.2	84.8	90.0	94.3	95.2	97.2	98.0	98.5	82.5	82.5	82.7	66.2	49.7	33.0	33.2	16.5	16.5	16.5	16.5	16.5	16.5	16.7	0.0	0.0	0.0	0.0
TOTAL	2845.7	858.8	359.0	190.0	113.3	65.7	39.8	25.3	14.5	11.7	6.0	5.5	3.8	1.8	2.3	1.3	0.5	0.3	0.3	0.8	0.2	0.5	0.3	0.2	1.7	4549.5	

Table 2.7-108 SSES 33' (10m) Annual Stability Persistence Summary for Year 2001
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SSES JAN01-DEC01 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
33.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	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
A	68	33	17	21	11	6	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	161
	42	63	73	86	93	97	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B	149	51	16	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223
	67	90	97	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	233	61	20	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	323
	72	91	97	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	229	173	91	60	35	26	16	19	14	13	7	7	5	4	5	6	5	1	3	2	2	1	3	3	10	740
	31	54	67	75	79	83	85	88	90	91	92	93	94	94	95	96	97	97	97	97	98	98	98	99	100	100
E	266	153	99	58	41	27	24	17	14	9	8	4	11	3	3	0	2	0	0	0	0	0	0	0	0	739
	36	57	70	78	83	87	90	93	95	96	97	97	99	99	100	100	100	0	0	0	0	0	0	0	0	0
F	200	94	39	35	19	17	9	7	7	2	5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	436
	46	67	76	84	89	93	95	96	98	98	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0
G	66	28	20	12	12	7	3	10	6	5	2	3	6	2	1	1	1	0	0	0	0	0	0	0	0	185
	36	51	62	68	75	78	80	85	89	91	92	94	97	98	99	99	100	0	0	0	0	0	0	0	0	0
TOTAL	1211	593	302	197	121	84	57	54	41	29	22	14	24	9	9	7	8	1	3	2	2	1	3	3	10	2807

Table 2.7-109 SSES 33' (10m) Annual Stability Persistence Summary for Year 2002
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SSES JAN02-DEC02 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
33.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	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
A	59	35	14	10	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130
B	152	41	19	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	219
C	231	42	24	6	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	306
D	207	160	98	46	44	29	17	24	14	11	5	10	7	7	10	7	5	1	1	3	0	2	4	1	17	730
E	253	169	75	55	41	29	17	21	11	10	8	1	3	4	2	2	1	2	1	2	0	0	0	1	0	708
F	195	67	48	34	28	13	9	10	3	3	2	2	1	0	1	0	0	1	0	0	0	0	0	0	0	417
G	47	24	21	18	15	6	6	7	5	7	6	4	3	0	0	1	0	0	0	0	0	0	0	0	0	170
TOTAL	1144	538	299	173	137	86	49	62	33	31	21	17	14	11	13	10	6	4	2	5	0	2	4	2	17	2680

STABILITY PERSISTENCE GREATER THAN 24 HOURS PERSISTENCE GREATER THAN 24 HOURS
HOURS NUMBER HOURS NUMBER

Table 2.7-109 SSES 33' (10m) Annual Stability Persistence Summary for Year 2002
(Page 2 of 2)

SSES JAN02-DEC02 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
33.0 FT WIND DATA

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	
D					25				1						D					48						0	
D					26				1						D					49						0	
D					27				1						D					50						1	
D					28				0						D					51						0	
D					29				1						D					52						0	
D					30				2						D					53						0	
D					31				0						D					54						0	
D					32				3						D					55						0	
D					33				1						D					56						0	
D					34				0						D					57						0	
D					35				1						D					58						0	
D					36				1						D					59						0	
D					37				1						D					60						0	
D					38				1						D					61						0	
D					39				0						D					62						0	
D					40				0						D					63						1	
D					41				0																		
D					42				1																		
D					43				0																		
D					44				0																		
D					45				0																		
D					46				0																		
D					47				0																		

Table 2.7-110 SSES 33' (10m) Annual Stability Persistence Summary for Year 2003
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SSES JAN03-DEC03 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
33.0 FT WIND DATA
STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	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
A	36	13	8	14	8	9	5	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103
	35	48	55	69	77	85	90	97	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B	93	17	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116
	80	95	98	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	146	30	9	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	189
	77	93	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	192	132	83	58	40	21	25	28	25	29	19	15	8	6	5	4	8	4	3	3	3	0	2	1	12	726
	26	45	56	64	70	72	76	80	83	87	90	92	93	94	94	95	96	97	97	98	98	98	98	98	100	100
E	287	157	106	56	38	32	19	13	16	11	14	7	6	4	6	0	2	2	1	0	1	1	0	0	0	779
	37	57	71	78	83	87	89	91	93	94	96	97	98	98	99	99	100	100	100	100	100	100	100	100	100	100
F	147	89	45	21	30	13	8	6	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	366
	40	64	77	83	91	94	96	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G	32	21	15	13	10	4	8	8	2	2	3	3	1	4	0	0	1	0	0	0	0	0	0	0	0	127
	25	42	54	64	72	75	81	87	89	91	93	95	96	99	99	100	100	0	0	0	0	0	0	0	0	0
TOTAL	933	459	270	167	127	79	65	62	50	43	37	26	15	14	11	4	11	6	4	3	4	1	2	1	12	2406

Table 2.7-110 SSES 33' (10m) Annual Stability Persistence Summary for Year 2003

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SSES JAN03-DEC03 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

33.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)										STABILITY	PERSISTENCE GREATER THAN 24 HOURS										TOTAL				
	1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20		21	22	23	24
	STABILITY								NUMBER											HOURS						NUMBER
	D					25			1										44						0	
	D					26			0										45						0	
	D					27			1										46						0	
	D					28			0										47						0	
	D					29			1										48						0	
	D					30			0										49						0	
	D					31			0										50						0	
	D					32			0										51						0	
	D					33			0										52						0	
	D					34			1										53						0	
	D					35			0										54						0	
	D					36			0										55						0	
	D					37			1										56						1	
	D					38			2										57						0	
	D					39			2										58						0	
	D					40			1										59						1	
	D					41			0																	
	D					42			0																	
	D					43			0																	

Table 2.7-111 SSES 33' (10m) Annual Stability Persistence Summary for Year 2004
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SSES JAN04-DEC04 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

33.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	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
A	65	24	13	10	4	5	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129
	50	69	79	87	90	94	96	98	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B	128	53	13	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197
	65	92	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	220	70	16	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	317
	69	91	97	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	232	151	80	53	46	28	30	20	20	11	12	7	8	2	6	4	5	4	2	1	4	2	3	1	14	746
	31	51	62	69	75	79	83	86	88	90	92	92	94	94	95	95	96	96	97	97	97	98	98	98	100	100
E	222	127	90	71	41	31	28	33	18	6	13	9	5	6	3	5	3	3	1	0	3	0	0	0	0	718
	31	49	61	71	77	81	85	90	92	93	95	96	97	97	98	99	99	100	100	100	100	100	0	0	0	0
F	134	65	48	22	22	15	13	9	4	2	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	338
	40	59	73	80	86	91	94	97	98	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0
G	33	24	6	7	7	8	3	9	4	2	1	2	0	0	2	1	0	0	0	0	0	0	0	0	0	109
	30	52	58	64	71	78	81	89	93	94	95	97	97	97	99	100	0	0	0	0	0	0	0	0	0	0
TOTAL	1034	514	266	173	123	88	77	74	48	21	28	18	14	9	11	10	8	7	3	1	7	2	3	1	14	2554

Table 2.7-111 SSES 33' (10m) Annual Stability Persistence Summary for Year 2004
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SSES JAN04-DEC04 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

33.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	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
	PERSISTENCE GREATER THAN 24 HOURS																									
	STABILITY	HOURS																							NUMBER	
D						25				3																0
D						26				0																0
D						27				3																0
D						28				1																0
D						29				0																0
D						30				2																0
D						31				0																0
D						32				1																0
D						33				0																0
D						34				0																0
D						35				0																0
D						36				0																0
D						37				2																0
D						38				0																0
D						39				0																0
D						40				0																0
D						41				1																1
D						42				0																0
D						43				0																0

Table 2.7-112 SSES 33' (10m) Annual Stability Persistence Summary for Year 2005
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SSES JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

33.0 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	67	28	30	19	19	21	27	23	21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	256	
	26	37	49	56	64	72	82	91	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B	183	37	7	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	229	
	80	96	99	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	217	31	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	261	
	83	95	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	264	126	74	49	28	15	15	13	13	9	8	5	5	4	4	5	1	2	1	2	1	2	3	1	2	10	661
	40	59	70	78	82	84	86	88	90	92	93	94	94	95	96	96	97	97	97	97	97	98	98	98	98	100	100
E	267	137	72	48	27	33	26	15	9	6	5	9	7	1	4	5	3	1	1	1	1	1	0	1	1	5	685
	39	59	69	76	80	85	89	91	93	93	94	95	96	97	97	98	98	99	99	99	99	99	99	99	99	100	100
F	194	78	53	41	17	18	12	5	2	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	427
	45	64	76	86	90	94	97	98	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G	57	25	19	20	11	6	8	5	10	6	1	3	2	3	3	0	1	0	0	0	0	0	0	0	0	0	180
	32	46	56	67	73	77	81	84	89	93	93	95	96	98	99	99	100	0	0	0	0	0	0	0	0	0	0
TOTAL	1249	462	267	179	102	94	88	61	55	26	17	17	14	8	11	10	5	3	2	3	3	3	2	3	3	15	2699

Table 2.7-112 SSES 33' (10m) Annual Stability Persistence Summary for Year 2005
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SSES JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

33.0 FT WIND DATA

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
STABILITY	HOURS																									NUMBER
E						39																				0
E						40																				0
E						41																				0
E						42																				0
E						43																				0
E						44																				0
E						45																				0
E						46																				0
E						47																				0
E						48																				0
E						49																				0
E						50																				0
E						51																				0
E						52																				0
E						53																				0
E						54																				1

Table 2.7-113 SSES 33' (10m) Annual Stability Persistence Summary for Year 2006
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SSES JAN06-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
33.0 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	37	21	14	10	16	11	13	17	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145
B	144	27	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	178
C	199	35	5	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	245
D	205	120	90	45	30	23	20	21	15	6	9	7	4	5	7	3	5	0	0	3	1	2	2	3	26	652	
E	258	154	91	58	30	25	24	15	12	14	4	5	5	4	1	4	1	1	3	0	0	0	0	0	3	712	
F	184	70	41	43	12	15	8	10	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	392	
G	40	28	12	13	15	5	3	4	13	5	1	1	0	2	1	1	2	1	0	0	0	0	0	0	0	147	
TOTAL	1067	455	258	175	105	79	68	67	49	29	15	14	9	11	9	8	8	2	3	3	1	2	2	3	29	2471	

Table 2.7-114 SSES 33' (10m) Annual Stability Persistence Summary for the Years 2001 - 2006

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	49.3	23.5	14.7	11.7	9.2	8.3	7.8	7.3	4.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136.8
	37.5	49.0	57.0	65.2	69.7	74.5	61.0	65.3	50.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2
B	126.0	34.8	10.0	1.8	1.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	174.3
	75.8	79.8	82.3	83.0	83.3	33.3	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3
C	183.3	39.8	12.8	4.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	242.0
	87.7	82.0	83.0	83.3	66.7	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.5
D	189.5	121.7	72.2	42.2	30.5	20.2	16.3	16.2	12.7	8.3	6.8	6.0	4.8	3.7	5.3	4.2	3.5	1.3	1.2	1.8	1.5	1.7	2.2	1.7	2.2	1.7	588.2
	58.8	66.0	68.3	70.2	71.2	71.0	73.8	76.8	78.0	79.8	79.3	79.3	78.8	79.0	79.7	80.0	81.3	80.7	80.7	81.0	81.3	81.0	81.7	81.7	81.7	81.7	121.0
E	211.0	123.3	71.2	48.3	30.0	24.2	19.8	16.8	10.7	7.5	6.3	4.7	5.2	3.0	2.2	2.7	1.7	1.2	1.0	0.5	0.7	0.0	0.2	0.3	0.3	0.3	593.7
	77.5	73.3	74.5	73.0	74.2	76.7	77.2	78.7	80.8	80.8	82.2	81.5	82.3	82.2	83.0	82.5	82.8	66.3	66.7	66.5	66.7	50.0	49.8	49.8	49.8	33.3	129.8
F	151.2	62.3	38.2	29.2	16.3	13.0	8.5	6.8	3.3	2.3	2.2	0.5	0.7	0.2	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	335.0
	62.0	67.8	69.8	73.2	78.8	79.3	80.5	82.0	82.5	82.3	83.2	66.5	50.0	33.3	16.7	16.7	16.7	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.0
G	40.5	21.5	13.0	11.7	10.0	5.3	3.8	5.8	6.3	4.2	1.8	2.2	1.8	1.2	1.2	0.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	131.8
	30.8	43.0	49.8	56.7	62.7	65.2	68.3	72.2	75.2	77.7	78.8	80.3	80.8	82.2	82.2	82.7	50.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.2
TOTAL	950.8	427.0	232.0	149.5	98.0	71.8	56.5	53.0	37.7	22.7	17.2	13.3	12.5	8.0	8.8	7.5	5.8	2.8	2.2	2.3	2.2	1.7	2.3	2.0	14.2	2201.8	

Table 2.7-115 SSES 197' (60m) Annual Stability Persistence Summary for Year 2001
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SSES JAN01-DEC01 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	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
A	68	33	17	21	11	6	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	161
B	149	51	16	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223
C	233	61	20	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	323
D	229	173	91	60	35	26	16	19	14	13	7	7	5	4	5	6	5	1	3	2	2	1	3	3	10	740
E	267	155	98	57	41	27	24	17	14	9	8	4	11	3	3	0	2	0	0	0	0	0	0	0	0	740
F	201	94	39	35	19	16	9	7	7	2	5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	436
G	66	28	20	12	12	7	3	10	6	5	2	3	6	2	1	1	1	0	0	0	0	0	0	0	0	185
TOTAL	1213	595	301	196	121	83	57	54	41	29	22	14	24	9	9	7	8	1	3	2	2	1	3	3	10	2808

Table 2.7-116 SSES 197' (60m) Annual Stability Persistence Summary for Year 2002
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SSES JAN02-DEC02 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	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
A	59	35	14	10	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130
	45	72	83	91	95	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B	152	41	19	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	219
	69	88	97	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	231	42	24	6	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	306
	75	89	97	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	207	160	98	46	44	29	17	24	14	11	5	10	7	7	10	7	5	1	1	3	0	2	4	1	17	730
	28	50	64	70	76	80	82	86	88	89	90	91	92	93	94	95	96	96	96	97	97	97	98	98	100	100
E	253	169	75	55	41	29	17	21	11	10	8	1	3	4	2	2	1	2	1	2	0	0	0	1	0	708
	36	60	70	78	84	88	90	93	95	96	97	97	98	98	99	99	99	99	100	100	100	100	100	100	100	0
F	195	67	48	34	28	13	9	10	3	3	2	2	1	0	1	0	0	1	0	0	0	0	0	0	0	417
	47	63	74	82	89	92	94	97	98	98	99	99	100	100	100	100	100	100	100	100	100	100	100	100	0	0
G	47	24	21	18	15	6	6	7	5	7	6	4	3	0	0	1	0	0	0	0	0	0	0	0	0	170
	28	42	54	65	74	77	81	85	88	92	95	98	99	99	100	100	100	100	100	100	100	100	100	100	0	0
TOTAL	1144	538	299	173	137	86	49	62	33	31	21	17	14	11	13	10	6	4	2	5	0	2	4	2	17	2680

Table 2.7-116 SSES 197' (60m) Annual Stability Persistence Summary for Year 2002
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SSES JAN02-DECO2 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	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
	PERSISTENCE GREATER THAN 24 HOURS																									
	STABILITY	HOURS																							NUMBER	
		PERSISTENCE GREATER THAN 24 HOURS																								
		25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
		1	1	1	0	1	2	0	3	1	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0
		STABILITY																							NUMBER	
		PERSISTENCE GREATER THAN 24 HOURS																								
		50	51	52	53	54	55	56	57	58	59	60	61	62	63											
		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Table 2.7-117 SSES 197' (60m) Annual Stability Persistence Summary for Year 2003
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SSES JAN03-DEC03 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	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
A	35	13	7	15	8	9	5	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102
B	93	17	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116
C	146	30	9	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	189
D	193	131	84	58	40	20	24	28	25	29	19	15	8	6	5	4	8	4	3	3	3	0	2	1	12	725
E	285	158	106	57	38	33	18	13	15	11	14	7	6	4	6	0	2	2	1	0	1	1	0	0	0	778
F	147	88	43	21	30	13	8	6	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	363
G	34	20	15	12	11	5	8	7	2	1	3	3	1	4	0	0	1	0	0	0	0	0	0	0	0	127
TOTAL	933	457	268	168	128	80	63	61	49	42	37	26	15	14	11	4	11	6	4	3	4	1	2	1	12	2400

Table 2.7-118 SSES 197' (60m) Annual Stability Persistence Summary for Year 2004
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SSES JAN04-DEC04 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	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
A	65	24	13	10	4	5	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129
	50	69	79	87	90	94	96	98	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B	128	53	13	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197
	65	92	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	221	70	16	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	318
	69	92	97	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	232	151	80	53	46	27	31	20	20	11	12	7	8	2	6	4	5	4	2	1	4	2	3	1	14	746
	31	51	62	69	75	79	83	86	88	90	92	92	94	94	95	95	96	96	97	97	97	98	98	98	100	100
E	222	127	90	71	41	31	28	33	18	6	13	9	5	6	3	5	3	3	1	0	3	0	0	0	0	718
	31	49	61	71	77	81	85	90	92	93	95	96	97	97	98	99	99	100	100	100	100	100	0	0	0	0
F	134	65	48	22	22	15	13	9	4	2	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	338
	40	59	73	80	86	91	94	97	98	99	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0
G	33	24	6	7	7	8	3	9	4	2	1	2	0	0	2	1	0	0	0	0	0	0	0	0	0	109
	30	52	58	64	71	78	81	89	93	94	95	97	97	97	99	100	0	0	0	0	0	0	0	0	0	0
TOTAL	1035	514	266	173	123	87	78	74	48	21	28	18	14	9	11	10	8	7	3	1	7	2	3	1	14	2555

Table 2.7-118 SSES 197' (60m) Annual Stability Persistence Summary for Year 2004
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SSES JAN04-DEC04 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	PERSISTENCE GREATER THAN 24 HOURS												PERSISTENCE GREATER THAN 24 HOURS													
	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	NUMBER
D						25			3						D					45						0
D						26			0						D					46						0
D						27			3						D					47						0
D						28			1						D					48						0
D						29			0						D					49						0
D						30			2						D					50						0
D						31			0						D					51						0
D						32			1						D					52						0
D						33			0						D					53						1
D						34			0						D											0
D						35			0						D											0
D						36			0						D											0
D						37			2						D											0
D						38			0						D											0
D						39			0						D											0
D						40			0						D											0
D						41			1						D											1
D						42			0						D											0
D						43			0						D											0
D						44			0						D											0

Table 2.7-119 SSES 197' (60m) Annual Stability Persistence Summary for Year 2005
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SSES JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	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
A	53	26	19	14	9	18	18	19	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185
	29	43	53	61	65	75	85	95	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B	148	31	6	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	187
	79	96	99	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	170	26	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	208
	82	94	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	204	96	64	45	23	14	14	11	13	9	8	5	5	4	4	5	1	2	1	2	2	3	1	2	10	548
	37	55	66	75	79	81	84	86	88	90	91	92	93	94	95	96	96	96	96	97	97	98	98	98	100	100
E	216	114	57	41	27	30	23	11	7	5	2	7	3	1	4	4	3	1	1	1	1	0	1	1	5	566
	38	58	68	76	80	86	90	92	93	94	94	95	96	96	97	98	98	98	98	99	99	99	99	99	100	100
F	168	64	42	30	15	12	7	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	346
	49	67	79	88	92	96	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G	48	22	17	15	9	6	6	5	7	6	1	3	2	3	3	0	1	0	0	0	0	0	0	0	0	154
	31	45	56	66	72	76	80	83	88	92	92	94	95	97	99	99	100	0	0	0	0	0	0	0	0	0
TOTAL	1007	379	216	147	83	81	68	50	37	23	11	15	10	8	11	9	5	3	2	3	3	3	2	3	15	2194

Table 2.7-119 SSES 197' (60m) Annual Stability Persistence Summary for Year 2005
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SSES JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

197.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)										STABILITY	STABILITY PERSISTENCE (HOURS)										TOTAL				
	1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20		21	22	23	24
	PERSISTENCE GREATER THAN 24 HOURS											PERSISTENCE GREATER THAN 24 HOURS														
	STABILITY	HOURS										STABILITY	HOURS										NUMBER			
D	D					25				0																0
D	D					26			1																	0
D	D					27			1																	0
D	D					28			1																	0
D	D					29			0																	0
D	D					30			0																	0
D	D					31			0																	0
D	D					32			1																	0
D	D					33			1																	0
D	D					34			1																	1
D	D					35			0																	0
D	D					36			0																	0
D	D					37			1																	0
D	D					38			0																	0
D	D					39			0																	0
D	D					40			1																	0
D	D					41			0																	0
D	D					42			0																	1
D	D					43			0																	0
D	D					44			0																	0
D	D					45			0																	1
D	D					46			1																	0
D	D					47			0																	1
D	D					48			0																	1
D	D					49			0																	0

Table 2.7-119 SSES 197' (60m) Annual Stability Persistence Summary for Year 2005
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SSES JAN05-DEC05 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

197.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	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
	PERSISTENCE GREATER THAN 24 HOURS																									
	NUMBER																									
	HOURS																									
E						39				0																
E						40				0																
E						41				0																
E						42				0																
E						43				0																
E						44				0																
E						45				0																
E						46				0																
E						47				0																
E						48				0																
E						49				0																
E						50				0																
E						51				0																
E						52				0																
E						53				0																
E						54				1																

Table 2.7-120 SSES 197' (60m) Annual Stability Persistence Summary for Year 2006
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SSES JAN06-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL	
	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
A	37	21	14	10	16	11	13	17	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145
	26	40	50	57	68	75	84	96	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B	144	27	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	178	
	81	96	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	199	35	5	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	245	
	81	96	98	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	205	120	90	45	30	23	20	21	15	6	9	7	4	5	7	3	5	0	0	0	3	1	2	2	652	
	31	50	64	71	75	79	82	85	87	88	90	91	91	92	93	94	94	94	94	94	95	95	96	96	100	
E	258	154	91	58	30	25	24	15	12	14	4	5	5	4	1	4	1	1	3	0	0	0	0	3	712	
	36	58	71	79	83	87	90	92	94	96	96	97	98	98	98	99	99	99	100	100	100	100	100	100	100	
F	183	70	41	43	12	15	8	10	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	391	
	47	65	75	86	89	93	95	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	40	28	12	13	15	5	3	4	13	5	1	1	0	2	1	1	2	1	0	0	0	0	0	0	147	
	27	46	54	63	73	77	79	82	90	94	95	95	97	97	98	99	99	100	0	0	0	0	0	0	0	
TOTAL	1066	455	258	175	105	79	68	67	49	29	15	14	9	11	9	8	8	2	3	3	1	2	2	3	2470	

Table 2.7-120 SSES 197' (60m) Annual Stability Persistence Summary for Year 2006
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SSES JAN06-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)

197.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)		STABILITY PERSISTENCE (HOURS)		STABILITY PERSISTENCE (HOURS)		STABILITY PERSISTENCE (HOURS)		STABILITY PERSISTENCE (HOURS)		STABILITY PERSISTENCE (HOURS)		STABILITY PERSISTENCE (HOURS)		STABILITY PERSISTENCE (HOURS)		STABILITY PERSISTENCE (HOURS)		STABILITY PERSISTENCE (HOURS)		STABILITY PERSISTENCE (HOURS)		TOTAL
	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	
D	25	1	25	1	25	1	25	1	25	1	25	1	25	1	25	1	25	1	25	1	25	1	0
D	26	3	26	3	26	3	26	3	26	3	26	3	26	3	26	3	26	3	26	3	26	3	2
D	27	1	27	1	27	1	27	1	27	1	27	1	27	1	27	1	27	1	27	1	27	1	0
D	28	1	28	1	28	1	28	1	28	1	28	1	28	1	28	1	28	1	28	1	28	1	0
D	29	2	29	2	29	2	29	2	29	2	29	2	29	2	29	2	29	2	29	2	29	2	0
D	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	0
D	31	2	31	2	31	2	31	2	31	2	31	2	31	2	31	2	31	2	31	2	31	2	0
D	32	0	32	0	32	0	32	0	32	0	32	0	32	0	32	0	32	0	32	0	32	0	0
D	33	0	33	0	33	0	33	0	33	0	33	0	33	0	33	0	33	0	33	0	33	0	0
D	34	2	34	2	34	2	34	2	34	2	34	2	34	2	34	2	34	2	34	2	34	2	1
D	35	0	35	0	35	0	35	0	35	0	35	0	35	0	35	0	35	0	35	0	35	0	0
D	36	0	36	0	36	0	36	0	36	0	36	0	36	0	36	0	36	0	36	0	36	0	1
D	37	0	37	0	37	0	37	0	37	0	37	0	37	0	37	0	37	0	37	0	37	0	1
D	38	0	38	0	38	0	38	0	38	0	38	0	38	0	38	0	38	0	38	0	38	0	0
D	39	2	39	2	39	2	39	2	39	2	39	2	39	2	39	2	39	2	39	2	39	2	1
D	40	1	40	1	40	1	40	1	40	1	40	1	40	1	40	1	40	1	40	1	40	1	0
D	41	0	41	0	41	0	41	0	41	0	41	0	41	0	41	0	41	0	41	0	41	0	0
D	42	0	42	0	42	0	42	0	42	0	42	0	42	0	42	0	42	0	42	0	42	0	0
D	43	1	43	1	43	1	43	1	43	1	43	1	43	1	43	1	43	1	43	1	43	1	0
D	44	1	44	1	44	1	44	1	44	1	44	1	44	1	44	1	44	1	44	1	44	1	0
D	45	0	45	0	45	0	45	0	45	0	45	0	45	0	45	0	45	0	45	0	45	0	0
D	46	1	46	1	46	1	46	1	46	1	46	1	46	1	46	1	46	1	46	1	46	1	1
D	47	0	47	0	47	0	47	0	47	0	47	0	47	0	47	0	47	0	47	0	47	0	0
D	48	0	48	0	48	0	48	0	48	0	48	0	48	0	48	0	48	0	48	0	48	0	0

Table 2.7-120 SSES 197' (60m) Annual Stability Persistence Summary for Year 2006
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SSES JAN06-DEC06 MET DATA JOINT FREQUENCY DISTRIBUTION (60-METER TOWER)
197.0 FT WIND DATA

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY	STABILITY PERSISTENCE (HOURS)																								TOTAL			
	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		
	PERFORMANCE GREATER THAN 24 HOURS																											
	STABILITY	HOURS																							NUMBER			
D					73																							
D					74																							
D					75																							
D					76																							
D					77																							
E					25																							
E					26																							
E					27																							
E					28																							
E					29																							
E					30																							

Table 2.7-121 SSES 197' (60m) Annual Stability Persistence Summary for the Years 2001 - 2006

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	47.0	23.2	12.8	10.8	7.5	7.8	6.3	6.7	2.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125.0	
	37.8	50.0	57.5	66.2	69.8	75.0	61.5	66.0	50.3	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	
B	120.2	33.8	9.8	1.8	1.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	167.3
	75.7	79.8	82.3	82.8	83.2	33.3	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3
C	175.7	39.0	12.7	4.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	233.3
	87.5	82.0	83.0	83.3	66.7	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.5
D	179.5	116.7	70.5	41.5	29.7	19.8	16.3	15.8	12.7	8.3	6.8	6.0	4.8	3.7	5.3	4.2	3.5	1.3	1.2	1.8	1.5	1.7	2.2	1.7	2.2	1.7	12.8	569.3
	58.5	65.2	67.8	69.7	70.7	70.3	73.3	76.5	77.7	79.5	79.0	78.7	78.8	79.5	80.0	81.2	80.5	80.5	81.0	81.2	81.0	81.2	81.0	81.7	81.7	81.7	85.3	120.8
E	202.7	119.8	68.5	47.0	30.0	23.7	19.3	16.2	10.3	7.3	5.8	4.3	4.5	3.0	2.2	2.5	1.7	1.2	1.0	0.5	0.7	0.0	0.2	0.3	0.3	1.3	574.0	
	77.0	73.3	74.3	73.2	74.3	77.0	77.2	78.8	80.7	81.0	82.2	81.5	82.3	82.0	83.0	82.5	82.8	66.2	66.5	66.5	66.7	50.0	49.8	49.8	33.3	33.3	129.7	
F	146.8	60.0	36.3	27.3	16.0	11.8	7.7	6.7	3.2	2.2	1.7	0.5	0.7	0.2	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	321.3
	62.7	68.3	70.2	73.7	79.2	79.7	80.7	82.2	82.7	82.5	66.5	50.0	33.3	16.7	16.7	16.7	16.7	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.5
G	39.0	21.0	12.7	10.8	9.7	5.3	3.5	5.8	4.2	1.8	2.2	1.8	1.2	1.2	0.7	0.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127.5
	31.0	42.7	49.8	56.3	62.7	65.2	68.2	71.8	75.0	77.3	78.7	80.2	80.7	82.0	82.2	82.7	50.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.2
TOTAL	910.8	413.5	223.3	144.0	94.8	69.3	53.3	51.2	34.7	22.2	16.2	13.0	11.8	8.0	8.8	7.3	5.8	2.8	2.2	2.3	2.2	1.7	2.3	2.0	14.2	2117.8		

Table 2.7-122 Temperature Inversion Frequency and Persistence, Year 2001

DURATION (HOURS)	NUMBER OF OBSERVATIONS	PERCENT PROBABILITY
1	72	17.39
2	44	28.02
3	32	35.75
4	18	40.10
5	21	45.17
6	10	47.58
7	17	51.69
8	16	55.56
9	16	59.42
10	15	63.04
11	28	69.81
12	32	77.54
13	25	83.57
14	14	86.96
15	19	91.55
16	15	95.17
17	9	97.34
18	8	99.28
19	1	99.52
20	1	99.76
21	0	99.76
22	1	100.00

THE LONGEST INVERSION LASTED 22 HOURS

OF THE LONGEST INVERSIONS
NUMBER 1 STARTED 18 HOURS INTO DAY 347

THIRD COLUMN DEFINES THE PERCENT PROBABILITY
THAT IF AN INVERSION OCCURS, ITS DURATION
WILL BE LESS THAN THE NUMBER OF HOURS SPECIFIED

Table 2.7-123 Temperature Inversion Frequency and Persistence, Year 2002

DURATION (HOURS)	NUMBER OF OBSERVATIONS	PERCENT PROBABILITY
1	59	15.49
2	39	25.72
3	27	32.81
4	20	38.06
5	16	42.26
6	27	49.34
7	18	54.07
8	13	57.48
9	14	61.15
10	9	63.52
11	20	68.77
12	24	75.07
13	37	84.78
14	15	88.71
15	12	91.86
16	12	95.01
17	5	96.33
18	8	98.43
19	3	99.21
20	1	99.48
21	1	99.74
22	0	99.74
23	0	99.74
24	0	99.74
25	0	99.74
26	0	99.74
27	1	100.00

THE LONGEST INVERSION LASTED 27 HOURS

OF THE LONGEST INVERSIONS
NUMBER 1 STARTED 20 HOURS INTO DAY 23

THIRD COLUMN DEFINES THE PERCENT PROBABILITY
THAT IF AN INVERSION OCCURS, ITS DURATION
WILL BE LESS THAN THE NUMBER OF HOURS SPECIFIED

Table 2.7-124 Temperature Inversion Frequency and Persistence, Year 2003

DURATION (HOURS)	NUMBER OF OBSERVATIONS	PERCENT PROBABILITY
1	70	18.37
2	48	30.97
3	30	38.85
4	17	43.31
5	14	46.98
6	14	50.66
7	20	55.91
8	23	61.94
9	13	65.35
10	15	69.29
11	10	71.92
12	24	78.22
13	24	84.51
14	20	89.76
15	14	93.44
16	10	96.06
17	10	98.69
18	1	98.95
19	2	99.48
20	1	99.74
21	0	99.74
22	1	100.00

THE LONGEST INVERSION LASTED 22 HOURS

OF THE LONGEST INVERSIONS
NUMBER 1 STARTED 16 HOURS INTO DAY 356

THIRD COLUMN DEFINES THE PERCENT PROBABILITY
THAT IF AN INVERSION OCCURS, ITS DURATION
WILL BE LESS THAN THE NUMBER OF HOURS SPECIFIED

Table 2.7-125 Temperature Inversion Frequency and Persistence, Year 2004

DURATION (HOURS)	NUMBER OF OBSERVATIONS	PERCENT PROBABILITY
1	96	22.91
2	42	32.94
3	30	40.10
4	22	45.35
5	23	50.84
6	17	54.89
7	20	59.67
8	13	62.77
9	21	67.78
10	21	72.79
11	18	77.09
12	22	82.34
13	23	87.83
14	21	92.84
15	14	96.18
16	6	97.61
17	7	99.28
18	1	99.52
19	2	100.0

THE LONGEST INVERSION LASTED 19 HOURS

OF THE LONGEST INVERSIONS

NUMBER 1 STARTED 17 HOURS INTO DAY 61

NUMBER 2 STARTED 19 HOURS INTO DAY 364

THIRD COLUMN DEFINES THE PERCENT PROBABILITY
THAT IF AN INVERSION OCCURS, ITS DURATION
WILL BE LESS THAN THE NUMBER OF HOURS SPECIFIED

Table 2.7-126 Temperature Inversion Frequency and Persistence, Year 2005

DURATION (HOURS)	NUMBER OF OBSERVATIONS	PERCENT PROBABILITY
1	70	17.03
2	34	25.30
3	22	30.66
4	39	40.15
5	11	42.82
6	18	47.20
7	13	50.36
8	7	52.07
9	14	55.47
10	20	60.34
11	25	66.42
12	46	77.62
13	32	85.40
14	12	88.32
15	18	92.70
16	10	95.13
17	11	97.81
18	4	98.78
19	1	99.03
20	2	99.51
21	1	99.76
22	1	100.00

THE LONGEST INVERSION LASTED 22 HOURS

OF THE LONGEST INVERSIONS
NUMBER 1 STARTED 18 HOURS INTO DAY 357

THIRD COLUMN DEFINES THE PERCENT PROBABILITY
THAT IF AN INVERSION OCCURS, ITS DURATION
WILL BE LESS THAN THE NUMBER OF HOURS SPECIFIED

Table 2.7-127 Temperature Inversion Frequency and Persistence, Year 2006

DURATION (HOURS)	NUMBER OF OBSERVATIONS	PERCENT PROBABILITY
1	74	18.73
2	32	26.84
3	31	34.68
4	22	40.25
5	17	44.56
6	19	49.37
7	20	54.43
8	19	59.24
9	21	64.56
10	22	70.13
11	21	75.44
12	25	81.77
13	17	86.08
14	18	90.63
15	10	93.16
16	6	94.68
17	7	96.46
18	6	97.97
19	5	99.24

THE LONGEST INVERSION LASTED 20 HOURS

OF THE LONGEST INVERSIONS

NUMBER 1 STARTED 19 HOURS INTO DAY 12

NUMBER 2 STARTED 18 HOURS INTO DAY 20

NUMBER 3 STARTED 19 HOURS INTO DAY 29

THIRD COLUMN DEFINES THE PERCENT PROBABILITY
THAT IF AN INVERSION OCCURS, ITS DURATION
WILL BE LESS THAN THE NUMBER OF HOURS SPECIFIED

Table 2.7-128 Design Input for AEOLUS3 Normal Effluent χ/Q Runs

(Page 1 of 8)

Parameter	Value(s)
Wind speed group upper limits for AEOLUS3	0.224, 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	0.25 miles per hour
Anemometer starting speed	0.5 miles per hour
The annual average mixing layer height at SSES	900 meters (Conservative, low value)
Temperature sensor separation for SSES	60m - 10m or 50 meters
Wind instrument heights for SSES	10m, 60m
SSES 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 (10m, 60m), wind direction (10m, 60m), temperature, dew point temperature, delta temperature (60m-10m), precipitation
Plant grade	650 feet
Site boundary distances, terrain heights, and recirculation correction factors (RCF's) (in meters, meters above plant grade, and dimensionless, respectively)	<u>sector</u> <u>distance</u> <u>height</u> <u>RCF's</u>
	N 320.0 82.3 1.05
	NNE 752.6 82.3 1.37
	NE 928.5 125.0 1.44
	ENE 935.5 76.2 1.47
	E 1020.0 9.8 1.55
	ESE 633.0 9.8 1.43
	SE 513.5 4.9 1.09
	SSE 492.4 15.2 1.32
	S 492.4 33.5 1.00
	SSW 453.7 39.6 1.33
	SW 386.9 39.6 1.00
	WSW 334.1 21.3 1.00
	W 334.1 39.6 1.01
WNW 334.1 39.6 1.19	
NW 334.1 82.3 1.00	
NNW 320.0 82.3 1.00	
Stack flow rate for normal operations	242,458 cfm This is a conservative value; the actual flow rate for normal operations will be higher. Flow rates from the references are for the two largest contributors to the flow and total more than 242,458 cfm.
Stack inner diameter	3.8 meters Note that this is listed as the outside diameter of the stack and so the inner diameter should be somewhat smaller; a test run was made in another calculation using an inner diameter of 3.7 meters and was found to produce lower χ/Q 's. Thus, using 3.8 meters as the stack inner diameter produces conservative χ/Q 's.

Table 2.7-128 Design Input for AEOLUS3 Normal Effluent χ/Q Runs

(Page 2 of 8)

Parameter	Value(s)
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	650 feet
Maximum Terrain Heights and Recirculation Correction Factors (RCF's) 0.5 miles	Values in meters above plant grade and dimensionless, respectively.
	<u>Sector</u> <u>Height</u> <u>RCF's</u>
	N 82.3 1.05
	NNE 82.3 1.37
	NE 82.3 1.44
	ENE 45.7 1.47
	E 9.8 1.55
	ESE 9.8 1.43
	SE 4.9 1.09
	SSE 15.2 1.32
	S 33.5 1
	SSW 39.6 1.33
	SW 39.6 1
	WSW 21.3 1
	W 39.6 1.01
	WNW 39.6 1.19
NW 82.3 1	
NNW 82.3 1	
1.0 mile	Values in meters above plant grade and dimensionless, respectively.
	<u>Sector</u> <u>Height</u> <u>RCF's</u>
	N 131.1 1.12
	NNE 131.1 1.32
	NE 125.0 1.31
	ENE 76.2 1.07
	E 9.8 1.21
	ESE 9.8 1.37
	SE 4.9 1
	SSE 15.2 1.32
	S 33.5 1
	SSW 39.6 1.21
	SW 39.6 1
	WSW 33.5 1
	W 137.2 1.07
	WNW 137.2 1.24
NW 137.2 1	
NNW 118.9 1	

Table 2.7-128 Design Input for AEOLUS3 Normal Effluent χ /Q Runs

(Page 3 of 8)

Parameter	Value(s)		
2.0 miles	Values in meters above plant grade and dimensionless, respectively.		
	<u>Sector</u>	<u>Height</u>	<u>RCF's</u>
	N	143.3	1.32
	NNE	131.1	1.21
	NE	125.0	1.17
	ENE	76.2	1.06
	E	9.8	1.08
	ESE	51.8	1.17
	SE	57.9	1
	SSE	57.9	1.12
	S	33.5	1
	SSW	51.8	1.12
	SW	39.6	1
	WSW	94.5	1
	W	143.3	1
	WNW	155.4	1
	NW	155.4	1
NNW	143.3	1	
3.0 miles	Values in meters above plant grade and dimensionless, respectively.		
	<u>Sector</u>	<u>Height</u>	<u>RCF's</u>
	N	246.9	1.2
	NNE	246.9	1.27
	NE	125.0	1.06
	ENE	137.2	1.03
	E	167.6	1.105
	ESE	167.6	1.11
	SE	106.7	1
	SSE	106.7	1.19
	S	94.5	1
	SSW	94.5	1.09
	SW	94.5	1
	WSW	179.8	1
	W	179.8	1
	WNW	155.4	1
	NW	259.1	1.01
NNW	265.2	1	

Table 2.7-128 Design Input for AEOLUS3 Normal Effluent χ /Q Runs

(Page 4 of 8)

Parameter	Value(s)		
4.0 miles	Values in meters above plant grade and dimensionless, respectively.		
	<u>Sector</u>	<u>Height</u>	<u>RCF's</u>
	N	246.9	1.08
	NNE	246.9	1.18
	NE	222.5	1.13
	ENE	192.0	1.05
	E	192.0	1.11
	ESE	155.4	1.33
	SE	118.9	1
	SSE	118.9	1.02
	S	112.8	1
	SSW	94.5	1.1
	SW	94.5	1
	WSW	179.8	1
	W	179.8	1
	WNW	271.3	1
NW	271.3	1	
NNW	265.2	1	
5.0 miles	Values in meters above plant grade and dimensionless, respectively.		
	<u>Sector</u>	<u>Height</u>	<u>RCF's</u>
	N	265.2	1
	NNE	246.9	1.08
	NE	253.0	1
	ENE	192.0	1
	E	192.0	1.01
	ESE	356.6	1.18
	SE	356.6	1
	SSE	313.9	1.06
	S	313.9	1
	SSW	167.6	1
	SW	94.5	1
	WSW	179.8	1
	W	277.4	1
	WNW	301.8	1
NW	301.8	1	
NNW	301.8	1	

Table 2.7-128 Design Input for AEOLUS3 Normal Effluent χ /Q Runs

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Parameter	Value(s)		
10 miles	Values in meters above plant grade and dimensionless, respectively.		
	<u>Sector</u>	<u>Height</u>	<u>RCF's</u>
	N	265.2	1
	NNE	246.9	1
	NE	253.0	1
	ENE	241.9	1
	E	321.9	1
	ESE	356.6	1.02
	SE	356.6	1
	SSE	381.9	1
	S	381.9	1
	SSW	381.9	1
	SW	381.9	1
	WSW	261.9	1
	W	321.9	1
	WNW	321.9	1
	NW	301.8	1
NNW	301.8	1	
20 miles	Values in meters above plant grade and dimensionless, respectively.		
	<u>Sector</u>	<u>Height</u>	<u>RCF's</u>
	N	541.9	1
	NNE	481.9	1
	NE	461.9	1
	ENE	421.9	1
	E	421.9	1
	ESE	379.9	1
	SE	356.6	1
	SSE	401.9	1
	S	401.9	1
	SSW	381.9	1
	SW	381.9	1
	WSW	281.9	1
	W	321.9	1
	WNW	321.9	1
	NW	501.9	1
NNW	541.9	1	

Table 2.7-128 Design Input for AEOLUS3 Normal Effluent χ /Q Runs

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Parameter	Value(s)		
30 miles	Values in meters above plant grade and dimensionless, respectively.		
	<u>Sector</u>	<u>Height</u>	<u>RCF's</u>
	N	541.9	1
	NNE	528.9	1
	NE	461.9	1
	ENE	461.9	1
	E	421.9	1
	ESE	421.9	1
	SE	356.6	1
	SSE	401.9	1
	S	401.9	1
	SSW	381.9	1
	SW	381.9	1
	WSW	281.9	1
	W	321.9	1
	WNW	381.9	1
NW	560.9	1	
NNW	541.9	1	
40 miles	Values in meters above plant grade and dimensionless, respectively.		
	<u>Sector</u>	<u>Height</u>	<u>RCF's</u>
	N	541.9	1
	NNE	528.9	1
	NE	461.9	1
	ENE	461.9	1
	E	423.9	1
	ESE	421.9	1
	SE	356.6	1
	SSE	401.9	1
	S	401.9	1
	SSW	381.9	1
	SW	381.9	1
	WSW	281.9	1
	W	361.9	1
	WNW	381.9	1
NW	560.9	1	
NNW	541.9	1	

Table 2.7-128 Design Input for AEOLUS3 Normal Effluent χ/Q Runs

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Parameter	Value(s)			
50 miles	Values in meters above plant grade and dimensionless, respectively.			
	<u>Sector</u>	<u>Height</u>	<u>RCF's</u>	
	N	541.9	1	
	NNE	528.9	1	
	NE	481.9	1	
	ENE	481.9	1	
	E	441.9	1	
	ESE	441.9	1	
	SE	356.6	1	
	SSE	401.9	1	
	S	401.9	1	
	SSW	381.9	1	
	SW	381.9	1	
	WSW	361.9	1	
	W	401.9	1	
	WNW	521.9	1	
NW	560.9	1		
NNW	541.9	1		
Nearest Resident locations distance, terrain heights, and recirculation correction facators (RCF's) (in meters, meters above plant grade, and dimnsionless, respectively).	<u>Sector</u>	<u>Distance</u>	<u>Height</u>	<u>RCF's</u>
	NNE	1683	131.1	1.32
	NE	2082	125.0	1.31
	ENE	3854	137.2	1.06
	E	2118	9.8	1.21
	ESE	1931	51.8	1.37
	SE	1063	4.9	1.09
	SW	456.0	39.6	1.00
	WSW	455.7	21.3	1.00
	NNW	789.0	82.3	1.00
	NNE	1835	131.1	1.32
	NE	2962	125.0	1.17
	ENE	4985	192.	1.03
	E	2220	9.8	1.21
	NE	3155	125.0	1.17
	E	2304	9.8	1.21
NE	3317	125.0	1.17	

Table 2.7-128 Design Input for AEOLUS3 Normal Effluent χ /Q Runs

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Parameter	Value(s)			
	<u>Sector</u>	<u>Distance</u>	<u>Height</u>	<u>RCF's</u>
Nearest Garden locations distance, terrain heights, and recirculation correction factors (RCF's) (in meters, meters above plant grade, and dimensionless, respectively).	N	2858	143.3	1.32
	NNE	6203	246.9	1.18
	NE	5140	222.5	1.06
	ENE	3854	137.2	1.06
	E	2132	9.8	1.21
	SE	1833	57.9	1.00
	SSE	1378	15.2	1.32
	SSW	1742	51.8	1.21
	WSW	445.7	21.3	1.00
	NNW	789.0	82.3	1.00
	N	6985	265.2	1.08
	NE	5721	222.5	1.13
	ENE	5510	192.0	1.03
	E	5455	192.0	1.05
	SE	4662	106.7	1.00
	NNW	1709	143.3	1.00
Nearest Milk Animal locations distance, terrain heights, and recirculation correction factors (RCF;s) (in meters, meters above plant grade, and dimensionless, respectively).	<u>Sector</u>	<u>Distance</u>	<u>Height</u>	<u>RCF's</u>
	E	8723	321.9	1.01
	ESE	7643	356.6	1.18
	S	4062	100.6	1.00
	SSW	19619	381.9	1.00
	SW	1043	39.6	1.00
	WNW	6602	301.8	1.00
S	4601	100.6	1.00	
Nearest Meat Animal locations distance, terrain heights, and recirculation correction facators (RCF's) (in meters, meters above plant grade, and dimensionless, respectively).	<u>Sector</u>	<u>Distance</u>	<u>Height</u>	<u>RCF's</u>
	NE	5140	222.5	1.06
	ENE	5510	192.0	1.03
	S	4601	100.6	1.00
	SW	1043	39.6	1.00

Table 2.7-129 Normal Effluent Annual Average, Undecayed, Undepleted X/Q Values (sec/m³) for a Mixed Mode Release With Building Wake from 0.5 to 5 Miles

SECTOR	0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	5
N	2.311E-06	1.373E-06	9.160E-07	4.843E-07	3.663E-07	2.616E-07	1.809E-07	1.438E-07	1.062E-07	8.936E-08	7.095E-08
NNE	2.805E-06	1.653E-06	9.962E-07	5.236E-07	3.076E-07	2.195E-07	1.749E-07	1.388E-07	1.057E-07	8.878E-08	6.958E-08
NE	2.752E-06	1.558E-06	8.867E-07	4.638E-07	2.639E-07	1.867E-07	1.279E-07	1.013E-07	8.826E-08	7.393E-08	5.588E-08
ENE	6.821E-07	6.747E-07	3.168E-07	1.702E-07	1.086E-07	7.954E-08	5.826E-08	4.598E-08	3.820E-08	3.191E-08	2.590E-08
E	2.545E-07	1.589E-07	9.210E-08	6.077E-08	3.964E-08	4.694E-08	3.438E-08	2.708E-08	2.331E-08	1.946E-08	1.508E-08
ESE	1.818E-07	1.151E-07	8.280E-08	8.496E-08	4.850E-08	3.948E-08	2.819E-08	2.219E-08	2.164E-08	1.805E-08	1.362E-08
SE	2.343E-07	1.440E-07	9.696E-08	1.032E-07	6.802E-08	5.324E-08	4.013E-08	3.169E-08	2.580E-08	2.157E-08	1.836E-08
SSE	3.220E-07	2.083E-07	1.561E-07	1.541E-07	8.620E-08	6.744E-08	5.407E-08	4.271E-08	2.984E-08	2.496E-08	2.210E-08
S	3.356E-07	2.462E-07	1.948E-07	1.311E-07	9.499E-08	1.021E-07	7.732E-08	6.136E-08	5.017E-08	4.212E-08	3.597E-08
SSW	6.923E-07	5.442E-07	4.099E-07	3.608E-07	2.367E-07	2.290E-07	1.698E-07	1.351E-07	1.120E-07	9.500E-08	7.397E-08
SW	6.005E-07	4.615E-07	4.023E-07	3.112E-07	2.472E-07	4.461E-07	3.430E-07	2.752E-07	2.279E-07	1.931E-07	1.667E-07
WSW	8.772E-07	5.450E-07	4.549E-07	2.205E-06	1.443E-06	1.055E-06	8.142E-07	6.559E-07	5.451E-07	4.635E-07	4.014E-07
W	2.365E-07	2.976E-06	1.963E-06	1.040E-06	6.293E-07	4.539E-07	3.480E-07	2.786E-07	2.304E-07	1.950E-07	1.681E-07
WNW	1.940E-07	1.850E-06	1.203E-06	6.395E-07	3.317E-07	2.371E-07	1.810E-07	1.446E-07	1.191E-07	1.004E-07	8.635E-08
NW	2.121E-06	1.337E-06	8.342E-07	4.420E-07	2.834E-07	2.024E-07	1.555E-07	1.237E-07	1.006E-07	8.467E-08	7.264E-08
NNW	1.753E-06	1.052E-06	6.600E-07	3.548E-07	2.279E-07	1.631E-07	1.241E-07	9.873E-08	8.111E-08	6.826E-08	5.856E-08

Table 2.7-130 Normal Effluent Annual Average, Undecayed, Undepleted X/Q Values (sec/m³) for a Mixed Mode Release With Building Wake from 7.5 to 50 Miles

SECTOR	7.5	10	15	20	25	30	35	40	45	50
N	3.949E-08	2.621E-08	1.483E-08	9.944E-09	7.308E-09	5.690E-09	4.609E-09	3.843E-09	3.275E-09	2.840E-09
NINE	3.852E-08	2.358E-08	1.327E-08	8.861E-09	6.493E-09	5.043E-09	4.076E-09	3.392E-09	2.886E-09	2.499E-09
NE	3.065E-08	2.015E-08	1.128E-08	7.512E-09	5.494E-09	4.262E-09	3.442E-09	2.863E-09	2.435E-09	2.108E-09
ENE	1.406E-08	9.167E-09	5.065E-09	3.340E-09	2.424E-09	1.868E-09	1.500E-09	1.242E-09	1.051E-09	9.065E-10
E	8.150E-09	5.242E-09	2.874E-09	1.883E-09	1.359E-09	1.043E-09	8.338E-10	6.875E-10	5.802E-10	4.987E-10
ESE	7.342E-09	4.110E-09	2.241E-09	1.434E-09	1.031E-09	7.886E-10	6.290E-10	5.174E-10	4.358E-10	3.738E-10
SE	9.898E-09	6.413E-09	3.499E-09	2.284E-09	1.643E-09	1.257E-09	1.003E-09	8.253E-10	6.952E-10	5.965E-10
SSE	1.197E-08	7.348E-09	4.035E-09	2.647E-09	1.912E-09	1.468E-09	1.174E-09	9.689E-10	8.180E-10	7.034E-10
S	1.970E-08	1.293E-08	7.189E-09	4.762E-09	3.467E-09	2.679E-09	2.156E-09	1.787E-09	1.515E-09	1.308E-09
SSW	4.099E-08	2.713E-08	1.527E-08	1.020E-08	7.478E-09	5.810E-09	4.698E-09	3.911E-09	3.329E-09	2.883E-09
SW	9.552E-08	6.454E-08	3.745E-08	2.588E-08	1.908E-08	1.504E-08	1.232E-08	1.036E-08	8.907E-09	7.781E-09
WSW	2.326E-07	1.590E-07	9.377E-08	6.480E-08	4.878E-08	3.873E-08	3.191E-08	2.699E-08	2.330E-08	2.044E-08
W	9.585E-08	6.477E-08	3.759E-08	2.568E-08	1.916E-08	1.511E-08	1.237E-08	1.041E-08	8.946E-09	7.815E-09
WNW	4.861E-08	3.255E-08	1.865E-08	1.263E-08	9.355E-09	7.332E-09	5.973E-09	5.005E-09	4.286E-09	3.731E-09
NW	4.055E-08	2.698E-08	1.533E-08	1.031E-08	7.595E-09	5.926E-09	4.809E-09	4.016E-09	3.428E-09	2.976E-09
NNW	3.267E-08	2.173E-08	1.233E-08	8.282E-09	6.097E-09	4.753E-09	3.855E-09	3.218E-09	2.745E-09	2.382E-09

Table 2.7-131 Normal Effluent Annual Average, Undecayed, Undepleted X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Site Boundary Receptors

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m ³) Site Boundary
N	320.0	9.672E-06
NNE	752.6	3.110E-06
NE	928.5	2.424E-06
ENE	935.5	9.958E-07
E	1020.0	1.918E-07
ESE	633.0	2.484E-07
SE	513.5	4.317E-07
SSE	492.4	6.151E-07
S	492.4	5.722E-07
SSW	453.7	1.310E-06
SW	386.9	1.678E-06
WSW	334.1	4.074E-06
W	334.1	7.733E-07
WNW	334.1	5.524E-07
NW	334.1	7.557E-06
NNW	320.0	7.009E-06

Table 2.7-132 Normal Effluent Annual Average, Undecayed, Undepleted X/Q Values (sec/m³) for a Mixed Mode Release With Building Wake for Nearest Residents

SECTOR	DISTANCE (m)	χ/Q Values (sec/m ³)
N	-	-
NNE	1683	9.267E-07
NNE	1836	8.070E-07
NE	2082	5.864E-07
NE	2962	3.003E-07
NE	3155	2.721E-07
NE	3317	2.517E-07
ENE	3854	8.503E-08
ENE	4985	5.549E-08
E	2118	6.965E-08
E	2220	6.634E-08
E	2304	6.382E-08
ESE	1931	1.149E-07
SE	1063	1.667E-07
SSE	-	-
S	-	-
SSW	-	-
SW	456	1.273E-06
WSW	445.7	2.443E-06
W	-	-
WNW	-	-
NW	-	-
NNW	789	1.808E-06

Table 2.7-133 Normal Effluent Annual Average, Undecayed, Undepleted X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Gardens

SECTOR	DISTANCE (m)	χ/Q Values (sec/m ³)
N	2858	4.394E-07
N	6985	9.420E-08
NNE	6203	1.116E-07
NE	5140	1.164E-07
NE	5721	1.055E-07
ENE	3854	8.503E-08
ENE	5510	4.755E-08
E	2132	6.917E-08
E	5455	2.845E-08
SE	1833	1.526E-07
SE	4662	4.235E-08
SSE	1378	1.824E-07
SSW	1742	5.144E-07
WSW	446	2.443E-06
NNW	789	1.808E-06
NNW	1709	6.124E-07

Table 2.7-134 Normal Effluent Annual Average, Undecayed, Undepleted X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Milk Animals

SECTOR	DISTANCE (m)	χ/Q Values (sec/m ³) Nearest Milk Animals
E	8723	1.333E-08
ESE	7643	1.474E-08
S	4062	1.006E-07
S	4601	8.317E-08
SSW	19619	2.046E-08
SW	1043	4.976E-07
WNW	6602	1.148E-07

Table 2.7-135 Normal Effluent Annual Average, Undecayed, Undepleted X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Meat Animals

DOWNWIND SECTOR	DISTANCE (m)	χ/Q Values (sec/m ³) Nearest Meat Animals
NE	5140	1.164E-07
ENE	5510	4.755E-08
S	4601	8.317E-08
SW	1043	4.976E-07

Table 2.7-136 Normal Effluent Annual Average, Decayed, Depleted XQ Values (sec/m³) for Mixed Mode Release With Building Wake from 0.5 to 5 Miles

SECTOR	0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	5
N	2.282E-06	1.326E-06	8.771E-07	4.482E-07	3.341E-07	2.132E-07	1.446E-07	1.129E-07	8.211E-08	6.791E-08	5.316E-08
NNE	2.759E-06	1.584E-06	9.453E-07	4.887E-07	2.832E-07	1.785E-07	1.395E-07	1.087E-07	8.151E-08	6.743E-08	5.211E-08
NE	2.678E-06	1.476E-06	8.294E-07	4.250E-07	2.378E-07	1.659E-07	1.123E-07	7.955E-08	6.820E-08	5.605E-08	4.178E-08
ENE	6.434E-07	6.429E-07	2.986E-07	1.575E-07	9.892E-08	6.854E-08	4.946E-08	3.630E-08	2.969E-08	2.444E-08	1.956E-08
E	2.338E-07	1.444E-07	8.358E-08	5.490E-08	3.558E-08	3.888E-08	2.795E-08	2.135E-08	1.809E-08	1.488E-08	1.137E-08
ESE	1.670E-07	1.048E-07	7.531E-08	7.873E-08	4.432E-08	3.265E-08	2.289E-08	1.772E-08	1.702E-08	1.365E-08	1.016E-08
SE	2.147E-07	1.303E-07	8.756E-08	9.523E-08	6.180E-08	4.693E-08	3.490E-08	2.692E-08	2.166E-08	1.631E-08	1.368E-08
SSE	2.964E-07	1.904E-07	1.425E-07	1.426E-07	7.860E-08	5.970E-08	4.726E-08	3.646E-08	2.518E-08	1.889E-08	1.649E-08
S	3.139E-07	2.307E-07	1.827E-07	1.224E-07	8.798E-08	9.392E-08	7.047E-08	5.498E-08	4.456E-08	3.187E-08	2.684E-08
SSW	6.496E-07	5.139E-07	3.884E-07	3.443E-07	2.244E-07	2.164E-07	1.594E-07	1.260E-07	1.038E-07	7.484E-08	5.752E-08
SW	5.595E-07	4.339E-07	3.812E-07	2.961E-07	2.351E-07	4.337E-07	3.324E-07	2.660E-07	2.194E-07	1.851E-07	1.590E-07
WSW	8.026E-07	4.984E-07	4.201E-07	2.180E-06	1.422E-06	8.602E-07	6.514E-07	5.156E-07	4.216E-07	3.532E-07	3.016E-07
W	2.221E-07	2.889E-06	1.896E-06	9.826E-07	5.885E-07	3.746E-07	2.818E-07	2.219E-07	1.806E-07	1.481E-07	1.260E-07
WNW	1.833E-07	1.800E-06	1.163E-06	5.894E-07	3.013E-07	2.126E-07	1.605E-07	1.138E-07	9.219E-08	7.629E-08	6.467E-08
NW	2.107E-06	1.296E-06	8.031E-07	4.058E-07	2.562E-07	1.654E-07	1.247E-07	9.724E-08	7.784E-08	6.428E-08	5.438E-08
NNW	1.737E-06	1.032E-06	6.447E-07	3.314E-07	2.101E-07	1.330E-07	9.931E-08	7.761E-08	6.274E-08	5.179E-08	4.381E-08

Table 2.7-137 Normal Effluent Annual Average, Decayed, Depleted X/Q Values (sec/m³) for Mixed Mode Release With Building Wake from 7.5 to 50 Miles

SECTOR	7.5	10	15	20	25	30	35	40	45	50
N	2.799E-08	1.772E-08	9.227E-09	5.809E-09	4.046E-09	3.002E-09	2.328E-09	1.865E-09	1.530E-09	1.281E-09
NINE	2.729E-08	1.593E-08	8.253E-09	5.176E-09	3.594E-09	2.661E-09	2.059E-09	1.646E-09	1.348E-09	1.127E-09
NE	2.167E-08	1.359E-08	7.016E-09	4.388E-09	3.041E-09	2.248E-09	1.738E-09	1.389E-09	1.138E-09	9.504E-10
ENE	9.944E-09	6.182E-09	3.150E-09	1.951E-09	1.342E-09	9.855E-10	7.576E-10	6.023E-10	4.911E-10	4.086E-10
E	5.747E-09	3.523E-09	1.787E-09	1.100E-09	7.521E-10	5.499E-10	4.210E-10	3.335E-10	2.710E-10	2.248E-10
ESE	5.176E-09	2.762E-09	1.394E-09	8.374E-10	5.707E-10	4.160E-10	3.177E-10	2.510E-10	2.035E-10	1.685E-10
SE	6.978E-09	4.309E-09	2.176E-09	1.334E-09	9.096E-10	6.633E-10	5.066E-10	4.004E-10	3.248E-10	2.689E-10
SSE	8.442E-09	4.937E-09	2.509E-09	1.546E-09	1.058E-09	7.742E-10	5.931E-10	4.699E-10	3.821E-10	3.170E-10
S	1.389E-08	8.684E-09	4.471E-09	2.782E-09	1.919E-09	1.413E-09	1.089E-09	8.668E-10	7.079E-10	5.897E-10
SSW	2.890E-08	1.822E-08	9.496E-09	5.959E-09	4.139E-09	3.065E-09	2.373E-09	1.897E-09	1.555E-09	1.300E-09
SW	6.734E-08	4.336E-08	2.329E-08	1.494E-08	1.056E-08	7.936E-09	6.220E-09	5.027E-09	4.160E-09	3.507E-09
WSW	1.643E-07	1.070E-07	5.840E-08	3.790E-08	2.704E-08	2.046E-08	1.614E-08	1.311E-08	1.088E-08	9.213E-09
W	6.772E-08	4.362E-08	2.344E-08	1.504E-08	1.064E-08	7.995E-09	6.248E-09	5.050E-09	4.180E-09	3.524E-09
WNW	3.438E-08	2.195E-08	1.165E-08	7.409E-09	5.179E-09	3.869E-09	3.018E-09	2.429E-09	2.003E-09	1.683E-09
NW	2.872E-08	1.822E-08	9.538E-09	6.023E-09	4.206E-09	3.128E-09	2.430E-09	1.949E-09	1.602E-09	1.342E-09
NNW	2.312E-08	1.466E-08	7.672E-09	4.840E-09	3.376E-09	2.509E-09	1.948E-09	1.561E-09	1.283E-09	1.074E-09

Table 2.7-138 Normal Effluent Annual Average, Decayed, Depleted X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Site Boundary Receptors

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m ³) Site Boundary
N	320.0	9.607E-06
NNE	752.6	3.063E-06
NE	928.5	2.320E-06
ENE	935.5	9.569E-07
E	1020.0	1.747E-07
ESE	633.0	2.306E-07
SE	513.5	4.044E-07
SSE	492.4	5.778E-07
S	492.4	5.396E-07
SSW	453.7	1.239E-06
SW	386.9	1.593E-06
WSW	334.1	3.885E-06
W	334.1	7.386E-07
WNW	334.1	5.280E-07
NW	334.1	7.528E-06
NNW	320.0	6.973E-06

Table 2.7-139 Normal Effluent Annual Average, Decayed, Depleted X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Residents

SECTOR	DISTANCE (m)	χ/Q Values (sec/m ³)
N	-	-
NNE	1683	8.779E-07
NNE	1836	7.620E-07
NE	2082	5.416E-07
NE	2962	2.720E-07
NE	3155	2.456E-07
NE	3317	2.265E-07
ENE	3854	7.353E-08
ENE	4985	4.442E-08
E	2118	6.304E-08
E	2220	6.001E-08
E	2304	5.770E-08
ESE	1931	1.075E-07
SE	1063	1.512E-07
SSE	-	-
S	-	-
SSW	-	-
SW	456	1.201E-06
WSW	445.7	2.303E-06
W	-	-
WNW	-	-
NW	-	-
NNW	789	1.792E-06

Table 2.7-140 Normal Effluent Annual Average, Decayed, Depleted X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Gardens

SECTOR	DISTANCE (m)	χ/Q Values (sec/m ³) Nearest Gardens
N	2858	4.033E-07
N	6985	7.193E-08
NNE	6203	8.649E-08
NE	5140	9.239E-08
NE	5721	8.266E-08
ENE	3854	7.353E-08
ENE	5510	3.764E-08
E	2132	6.261E-08
E	5455	2.251E-08
SE	1833	1.426E-07
SE	4662	3.693E-08
SSE	1378	1.667E-07
SSW	1742	4.933E-07
WSW	446	2.303E-06
NNW	789	1.792E-06
NNW	1709	5.797E-07

Table 2.7-141 Normal Effluent Annual Average, Decayed, Depleted X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Milk Animals

SECTOR	DISTANCE (m)	χ/Q Values (sec/m ³) Nearest Milk Animals
E	8723	9.825E-09
ESE	7643	1.106E-08
S	4062	9.249E-08
S	4601	7.599E-08
SSW	19619	1.326E-08
SW	1043	4.654E-07
WNW	6602	8.821E-08

Table 2.7-142 Normal Effluent Annual Average, Decayed, Depleted X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Meat Animals

SECTOR	DISTANCE (m)	χ/Q Values (sec/m ³) Nearest Meat Animals
NE	5140	9.239E-08
ENE	5510	3.764E-08
S	4601	7.599E-08
SW	1043	4.654E-07

Table 2.7-143 Normal Effluent Annual Average, Undecayed, Undepleted X/Q Values (sec/m³) for a Mixed Mode Release With Building Wake from 0.5 to 5 Miles

SECTOR	0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	5
N	8.576E-07	5.635E-07	4.193E-07	2.520E-07	2.061E-07	1.552E-07	1.117E-07	9.160E-08	6.943E-08	5.964E-08	4.820E-08
NNE	1.110E-06	7.166E-07	4.800E-07	2.862E-07	1.813E-07	1.362E-07	1.129E-07	9.238E-08	7.216E-08	6.187E-08	4.935E-08
NE	1.196E-06	7.430E-07	4.658E-07	2.739E-07	1.673E-07	1.243E-07	8.831E-08	7.195E-08	6.418E-08	5.481E-08	4.211E-08
ENE	4.711E-07	3.504E-07	1.777E-07	1.055E-07	7.174E-08	5.436E-08	4.132E-08	3.356E-08	2.855E-08	2.431E-08	2.006E-08
E	2.084E-07	1.359E-07	7.835E-08	5.048E-08	3.260E-08	3.190E-08	2.427E-08	1.970E-08	1.737E-08	1.479E-08	1.165E-08
ESE	1.503E-07	9.851E-08	6.992E-08	5.671E-08	3.379E-08	2.710E-08	2.011E-08	1.631E-08	1.630E-08	1.387E-08	1.065E-08
SE	1.813E-07	1.181E-07	7.999E-08	6.699E-08	4.649E-08	3.639E-08	2.848E-08	2.315E-08	1.930E-08	1.645E-08	1.424E-08
SSE	2.601E-07	1.700E-07	1.253E-07	9.889E-08	5.823E-08	4.550E-08	3.787E-08	3.080E-08	2.204E-08	1.879E-08	1.692E-08
S	3.208E-07	2.122E-07	1.571E-07	1.007E-07	7.241E-08	6.590E-08	5.183E-08	4.234E-08	3.546E-08	3.036E-08	2.637E-08
SSW	7.549E-07	5.046E-07	3.431E-07	2.450E-07	1.624E-07	1.393E-07	1.073E-07	8.796E-08	7.470E-08	6.457E-08	5.116E-08
SW	8.520E-07	5.732E-07	4.333E-07	2.883E-07	2.138E-07	2.231E-07	1.784E-07	1.477E-07	1.254E-07	1.085E-07	9.529E-08
WSW	1.220E-06	9.489E-07	7.204E-07	8.291E-07	5.900E-07	4.568E-07	3.680E-07	3.066E-07	2.618E-07	2.277E-07	2.011E-07
W	7.292E-07	9.716E-07	7.243E-07	4.418E-07	2.904E-07	2.216E-07	1.772E-07	1.467E-07	1.245E-07	1.078E-07	9.473E-08
WNW	5.129E-07	6.753E-07	4.931E-07	2.996E-07	1.685E-07	1.273E-07	1.013E-07	8.349E-08	7.055E-08	6.080E-08	5.323E-08
NW	7.649E-07	5.233E-07	3.656E-07	2.207E-07	1.533E-07	1.155E-07	9.244E-08	7.588E-08	6.331E-08	5.442E-08	4.753E-08
NNW	6.347E-07	4.215E-07	2.952E-07	1.797E-07	1.249E-07	9.430E-08	7.472E-08	6.133E-08	5.168E-08	4.442E-08	3.880E-08

Table 2.7-144 Normal Effluent Annual Average, Undecayed, Undepleted X/Q Values (sec/m³) for a Mixed Mode Release With Building Wake from 7.5 to 50 Miles

SECTOR	7.5	10	15	20	25	30	35	40	45	50
N	2.850E-08	1.962E-08	1.160E-08	7.976E-09	5.966E-09	4.706E-09	3.850E-09	3.236E-09	2.777E-09	2.422E-09
NINE	2.900E-08	1.840E-08	1.080E-08	7.393E-09	5.509E-09	4.332E-09	3.535E-09	2.965E-09	2.539E-09	2.210E-09
NE	2.440E-08	1.658E-08	9.641E-09	6.564E-09	4.871E-09	3.819E-09	3.109E-09	2.603E-09	2.225E-09	1.935E-09
ENE	1.150E-08	7.744E-09	4.440E-09	2.990E-09	2.200E-09	1.712E-09	1.385E-09	1.153E-09	9.807E-10	8.488E-10
E	6.663E-09	4.427E-09	2.519E-09	1.685E-09	1.233E-09	9.552E-10	7.696E-10	6.382E-10	5.411E-10	4.669E-10
ESE	6.070E-09	3.510E-09	1.986E-09	1.297E-09	9.453E-10	7.297E-10	5.862E-10	4.849E-10	4.101E-10	3.531E-10
SE	8.116E-09	5.429E-09	3.071E-09	2.045E-09	1.490E-09	1.150E-09	9.241E-10	7.644E-10	6.465E-10	5.566E-10
SSE	9.690E-09	6.141E-09	3.498E-09	2.343E-09	1.715E-09	1.329E-09	1.071E-09	8.889E-10	7.539E-10	6.507E-10
S	1.529E-08	1.037E-08	6.001E-09	4.066E-09	3.005E-09	2.347E-09	1.904E-09	1.589E-09	1.355E-09	1.175E-09
SSW	3.007E-08	2.060E-08	1.209E-08	8.272E-09	6.164E-09	4.847E-09	3.955E-09	3.317E-09	2.841E-09	2.473E-09
SW	5.805E-08	4.068E-08	2.467E-08	1.731E-08	1.316E-08	1.052E-08	8.704E-09	7.391E-09	6.399E-09	5.626E-09
WSW	1.246E-07	8.880E-08	5.514E-08	3.935E-08	3.030E-08	2.448E-08	2.045E-08	1.750E-08	1.525E-08	1.349E-08
W	5.762E-08	4.051E-08	2.467E-08	1.736E-08	1.322E-08	1.059E-08	8.774E-09	7.458E-09	6.464E-09	5.687E-09
WNW	3.187E-08	2.215E-08	1.326E-08	9.221E-09	6.959E-09	5.529E-09	4.552E-09	3.847E-09	3.319E-09	2.907E-09
NW	2.818E-08	1.944E-08	1.153E-08	7.945E-09	5.955E-09	4.705E-09	3.856E-09	3.245E-09	2.788E-09	2.434E-09
NNW	2.300E-08	1.585E-08	9.394E-09	6.471E-09	4.847E-09	3.827E-09	3.135E-09	2.637E-09	2.265E-09	1.977E-09

Table 2.7-145 Normal Effluent Annual Average, Undecayed, Undepleted Gamma X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Site Boundary Receptors

DOWNWIND SECTOR	Distance (m)	χ/Q (sec/m ³) Site Boundary
N	320.0	2.447E-06
NNE	752.6	1.203E-06
NE	928.5	1.046E-06
ENE	935.5	4.820E-07
E	1020.0	1.624E-07
ESE	633.0	1.934E-07
SE	513.5	2.906E-07
SSE	492.4	4.346E-07
S	492.4	5.287E-07
SSW	453.7	1.337E-06
SW	386.9	1.734E-06
WSW	334.1	2.364E-06
W	334.1	1.449E-06
WNW	334.1	1.005E-06
NW	334.1	2.018E-06
NNW	320.0	1.777E-06

Table 2.7-146 Normal Effluent Annual Average, Undecayed, Undepleted Gamma X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Residents

SECTOR	DISTANCE (m)	Gamma χ/Q Values (sec/m ³)
N	-	-
NNE	1683	4.534E-07
NNE	1836	4.062E-07
NE	2082	3.327E-07
NE	2962	1.867E-07
NE	3155	1.717E-07
NE	3317	1.607E-07
ENE	3854	5.759E-08
ENE	4985	3.958E-08
E	2118	5.828E-08
E	2220	5.536E-08
E	2304	5.315E-08
ESE	1931	7.449E-08
SE	1063	1.352E-07
SSE	-	-
S	-	-
SSW	-	-
SW	456	1.495E-06
WSW	445.7	2.161E-06
W	-	-
WNW	-	-
NW	-	-
NNW	789	6.497E-07

Table 2.7-147 Normal Effluent Annual Average, Undecayed, Undepleted X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Gardens

SECTOR	DISTANCE (m)	Gamma χ /Q Values (sec/m ³)
N	2858	2.397E-07
N	6985	6.248E-08
NNE	6203	7.570E-08
NE	5140	8.130E-08
NE	5721	7.511E-08
ENE	3854	5.759E-08
ENE	5510	3.457E-08
E	2132	5.787E-08
E	5455	2.057E-08
SE	1833	9.430E-08
SE	4662	2.985E-08
SSE	1378	1.479E-07
SSW	1742	3.535E-07
WSW	446	2.161E-06
NNW	789	6.497E-07
NNW	1709	2.777E-07

Table 2.7-148 Normal Effluent Annual Average, Undecayed, Undepleted Gamma X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Milk Animals

SECTOR	DISTANCE (m)	Gamma χ /Q Values (sec/m ³) Nearest Milk Animals
E	8723	1.043E-08
ESE	7643	1.142E-08
S	4062	6.507E-08
S	4601	5.522E-08
SSW	19619	1.587E-08
SW	1043	6.614E-07
WNW	6602	6.832E-08

Table 2.7-149 Normal Effluent Annual Average, Undecayed, Undepleted Gamma X/Q Values (sec/m³) for Mixed Mode Release With Building Wake for Nearest Meat Animals

SECTOR	DISTANCE (m)	Gamma χ /Q Values (sec/m ³) Nearest Meat Animals
NE	5140	8.130E-08
ENE	5510	3.457E-08
S	4601	5.522E-08
SW	1043	6.614E-07

Table 2.7-150 Normal Effluent Annual Average D/Q Values (1/m²) for Mixed Mode Release With Building Wake from 0.5 to 5 Miles

SECTOR	0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	5
N	3.479E-09	2.977E-09	2.103E-09	2.194E-09	2.119E-09	1.043E-09	6.879E-10	5.233E-10	3.712E-10	3.009E-10	2.305E-10
NNE	6.314E-09	5.278E-09	3.337E-09	2.060E-09	1.449E-09	1.110E-09	8.454E-10	6.436E-10	4.716E-10	3.817E-10	2.890E-10
NE	1.614E-08	1.131E-08	6.329E-09	3.329E-09	1.934E-09	1.411E-09	9.995E-10	7.705E-10	6.480E-10	5.262E-10	3.853E-10
ENE	8.397E-09	5.493E-09	2.581E-09	1.372E-09	8.469E-10	7.962E-10	5.929E-10	3.900E-10	3.133E-10	2.535E-10	1.997E-10
E	3.576E-09	2.113E-09	1.155E-09	6.612E-10	3.878E-10	3.970E-10	2.803E-10	2.057E-10	1.713E-10	1.386E-10	1.043E-10
ESE	2.417E-09	1.463E-09	1.001E-09	6.720E-10	3.667E-10	3.330E-10	2.292E-10	1.743E-10	1.644E-10	1.311E-10	9.623E-11
SE	3.180E-09	1.897E-09	1.233E-09	8.441E-10	5.334E-10	3.954E-10	2.874E-10	2.407E-10	1.944E-10	1.622E-10	1.342E-10
SSE	4.162E-09	2.518E-09	1.785E-09	1.184E-09	6.355E-10	4.762E-10	3.699E-10	3.224E-10	2.255E-10	1.824E-10	1.569E-10
S	3.183E-09	2.004E-09	1.445E-09	8.503E-10	5.606E-10	4.479E-10	3.282E-10	2.863E-10	2.369E-10	2.302E-10	1.904E-10
SSW	4.607E-09	2.899E-09	1.921E-09	1.196E-09	7.308E-10	5.615E-10	4.038E-10	3.120E-10	2.520E-10	4.347E-10	3.272E-10
SW	2.626E-09	1.658E-09	1.220E-09	7.325E-10	4.952E-10	3.976E-10	2.960E-10	2.300E-10	1.850E-10	1.532E-10	1.305E-10
WSW	2.021E-09	1.213E-09	8.551E-10	5.673E-10	3.671E-10	1.882E-09	1.367E-09	1.040E-09	8.204E-10	6.642E-10	5.497E-10
W	9.547E-10	1.356E-09	1.170E-09	1.769E-09	1.638E-09	9.141E-10	6.666E-10	5.088E-10	4.018E-10	3.041E-10	2.516E-10
WNW	1.089E-09	1.579E-09	1.197E-09	2.279E-09	1.500E-09	1.233E-09	1.019E-09	3.088E-10	2.432E-10	1.979E-10	1.637E-10
NW	2.028E-09	2.059E-09	1.410E-09	1.922E-09	1.493E-09	6.133E-10	4.492E-10	3.423E-10	2.671E-10	2.170E-10	1.795E-10
NNW	1.971E-09	1.612E-09	1.057E-09	1.236E-09	1.036E-09	5.504E-10	3.991E-10	3.035E-10	2.392E-10	1.944E-10	1.608E-10

Table 2.7-151 Normal Effluent Annual Average D/Q Values (1/m²) for Mixed Mode Release With Building Wake from 7.5 to 50 Miles

SECTOR	7.5	10	15	20	25	30	35	40	45	50
N	1.129E-10	7.077E-11	3.599E-11	2.178E-11	1.460E-11	1.046E-11	7.858E-12	6.110E-12	4.880E-12	3.984E-12
NNE	1.416E-10	8.222E-11	4.171E-11	2.524E-11	1.692E-11	1.213E-11	9.106E-12	7.081E-12	5.656E-12	4.617E-12
NE	1.888E-10	1.184E-10	5.995E-11	3.628E-11	2.433E-11	1.743E-11	1.309E-11	1.018E-11	8.130E-12	6.636E-12
ENE	9.875E-11	6.195E-11	3.135E-11	1.898E-11	1.272E-11	9.117E-12	6.846E-12	5.323E-12	4.252E-12	3.471E-12
E	5.162E-11	3.207E-11	1.621E-11	9.812E-12	6.579E-12	4.714E-12	3.540E-12	2.752E-12	2.199E-12	1.795E-12
ESE	4.715E-11	2.558E-11	1.293E-11	7.671E-12	5.144E-12	3.686E-12	2.768E-12	2.152E-12	1.719E-12	1.403E-12
SE	6.575E-11	4.126E-11	2.085E-11	1.262E-11	8.463E-12	6.064E-12	4.554E-12	3.541E-12	2.828E-12	2.308E-12
SSE	7.688E-11	4.551E-11	2.300E-11	1.392E-11	9.335E-12	6.689E-12	5.023E-12	3.905E-12	3.120E-12	2.546E-12
S	9.335E-11	5.858E-11	2.961E-11	1.792E-11	1.202E-11	8.610E-12	6.465E-12	5.027E-12	4.016E-12	3.278E-12
SSW	1.368E-10	8.583E-11	4.338E-11	2.626E-11	1.761E-11	1.262E-11	9.473E-12	7.366E-12	5.884E-12	4.803E-12
SW	1.706E-10	1.070E-10	5.410E-11	3.275E-11	2.196E-11	1.573E-11	1.181E-11	9.185E-12	7.337E-12	5.989E-12
WSW	2.621E-10	1.643E-10	8.317E-11	5.034E-11	3.375E-11	2.419E-11	1.817E-11	1.413E-11	1.132E-11	9.237E-12
W	1.236E-10	7.751E-11	3.915E-11	2.369E-11	1.589E-11	1.139E-11	8.600E-12	6.686E-12	5.341E-12	4.360E-12
WNW	8.026E-11	5.031E-11	2.542E-11	1.538E-11	1.039E-11	7.444E-12	5.590E-12	4.346E-12	3.472E-12	2.834E-12
NW	8.792E-11	5.512E-11	2.802E-11	1.696E-11	1.137E-11	8.148E-12	6.118E-12	4.757E-12	3.800E-12	3.102E-12
NNW	7.876E-11	4.939E-11	2.507E-11	1.517E-11	1.017E-11	7.291E-12	5.474E-12	4.257E-12	3.400E-12	2.775E-12

Table 2.7-152 Normal Effluent Annual Average D/Q Values (1/m²) for Mixed Mode Release With Building Wake for Site Boundary Receptors

DOWNWIND SECTOR	Distance (m)	D/Q (1/m ²) Site Boundary
N	320.0	9.453E-09
NNE	752.6	6.833E-09
NE	928.5	1.721E-08
ENE	935.5	7.941E-09
E	1020.0	2.629E-09
ESE	633.0	3.319E-09
SE	513.5	5.910E-09
SSE	492.4	7.964E-09
S	492.4	5.654E-09
SSW	453.7	9.023E-09
SW	386.9	6.317E-09
WSW	334.1	6.651E-09
W	334.1	2.360E-09
WNW	334.1	2.663E-09
NW	334.1	4.704E-09
NNW	320.0	5.090E-09

Table 2.7-153 Normal Effluent Annual Average D/Q Values (1/m²) for Mixed Mode Release With Building Wake for Nearest Residents

DOWNWIND SECTOR	Distance (m)	D/Q (1/m ²) Nearest Residents
N	-	-
NNE	1683	3.145E-09
NNE	1836	2.816E-09
NE	2082	4.188E-09
NE	2962	2.183E-09
NE	3155	1.990E-09
NE	3317	1.851E-09
ENE	3854	8.475E-10
ENE	4985	4.842E-10
E	2118	7.953E-10
E	2220	7.447E-10
E	2304	7.066E-10
ESE	1931	9.289E-10
SE	1063	2.225E-09
SSE	-	-
S	-	-
SSW	-	-
SW	456	5.178E-09
WSW	445.7	4.540E-09
W	-	-
WNW	-	-
NW	-	-
NNW	789	2.014E-09

Table 2.7-154 Normal Effluent Annual Average D/Q Values (1/m²) for Mixed Mode Release With Building Wake for Nearest Gardens

SECTOR	DISTANCE (m)	D/Q Values (1/m ²) Nearest Gardens
N	2858	2.303E-09
N	6985	3.210E-10
NNE	6203	5.037E-10
NE	5140	9.056E-10
NE	5721	7.989E-10
ENE	3854	8.475E-10
ENE	5510	4.054E-10
E	2132	7.880E-10
E	5455	2.178E-10
SE	1833	1.269E-09
SE	4662	3.055E-10
SSE	1378	2.156E-09
SSW	1742	1.840E-09
WSW	446	4.540E-09
NNW	789	2.014E-09
NNW	1709	1.578E-09

Table 2.7-155 Normal Effluent Annual Average D/Q Values (1/m²) for Mixed Mode Release With Building Wake for Nearest Milk Animals

DOWNWIND SECTOR	Distance (m)	D/Q (1/m ²) Nearest Milk Animals
E	8723	9.102E-11
ESE	7643	1.055E-10
S	4062	4.406E-10
S	4601	3.562E-10
SSW	19619	6.171E-11
SW	1043	1.954E-09
WNW	6602	2.336E-10

Table 2.7-156 Normal Effluent Annual Average D/Q Values (1/m²) for Mixed Mode Release With Building Wake for Nearest Meat Animals

DOWNWIND SECTOR	Distance (m)	D/Q (1/m ²) Nearest Meat Animals
NE	5140	9.056E-10
ENE	5510	4.054E-10
S	4601	3.562E-10
SW	1043	1.954E-09

Table 2.7-157 Ground Level, Normal Effluent, Sector Average, Undepleted, Undecayed, Atmospheric Dispersion Factors (sec/m³)

SECTOR	100 m	200 m	250m	275m	300m	350m	375m	400m	500m	Site Boundary
N	2.596E-04	7.105E-05	4.734E-05	3.985E-05	3.407E-05	2.584E-05	2.284E-05	2.036E-05	1.370E-05	3.034E-05
NNE	2.997E-04	8.155E-05	5.425E-05	4.563E-05	3.899E-05	2.955E-05	2.611E-05	2.326E-05	1.563E-05	7.593E-06
NE	2.608E-04	7.035E-05	4.658E-05	3.911E-05	3.335E-05	2.518E-05	2.221E-05	1.976E-05	1.321E-05	4.381E-06
ENE	1.177E-04	3.155E-05	2.089E-05	1.753E-05	1.495E-05	1.129E-05	9.963E-06	8.864E-06	5.928E-06	1.942E-06
E	7.153E-05	1.914E-05	1.269E-05	1.066E-05	9.097E-06	6.880E-06	6.074E-06	5.407E-06	3.625E-06	1.028E-06
ESE	5.013E-05	1.337E-05	8.860E-06	7.442E-06	6.350E-06	4.801E-06	4.239E-06	3.773E-06	2.529E-06	1.661E-06
SE	5.980E-05	1.597E-05	1.058E-05	8.889E-06	7.587E-06	5.737E-06	5.065E-06	4.509E-06	3.023E-06	2.882E-06
SSE	8.314E-05	2.228E-05	1.477E-05	1.241E-05	1.059E-05	8.013E-06	7.076E-06	6.300E-06	4.224E-06	4.341E-06
S	1.174E-04	3.174E-05	2.109E-05	1.774E-05	1.515E-05	1.148E-05	1.014E-05	9.031E-06	6.066E-06	6.233E-06
SSW	3.337E-04	9.107E-05	6.065E-05	5.104E-05	4.363E-05	3.309E-05	2.925E-05	2.606E-05	1.753E-05	2.083E-05
SW	5.888E-04	1.647E-04	1.100E-04	9.267E-05	7.926E-05	6.014E-05	5.317E-05	4.738E-05	3.185E-05	5.028E-05
WSW	1.420E-03	4.026E-04	2.694E-04	2.270E-04	1.942E-04	1.474E-04	1.303E-04	1.161E-04	7.799E-05	1.602E-04
W	6.251E-04	1.750E-04	1.170E-04	9.855E-05	8.431E-05	6.399E-05	5.658E-05	5.043E-05	3.392E-05	6.953E-05
WNW	3.781E-04	1.047E-04	6.991E-05	5.888E-05	5.036E-05	3.822E-05	3.379E-05	3.012E-05	2.026E-05	4.153E-05
NW	2.632E-04	7.236E-05	4.825E-05	4.062E-05	3.473E-05	2.635E-05	2.329E-05	2.076E-05	1.397E-05	2.863E-05
NNW	2.082E-04	5.717E-05	3.811E-05	3.209E-05	2.744E-05	2.081E-05	1.840E-05	1.640E-05	1.103E-05	2.744E-05

Table 2.7-157—Continued

SECTOR	0.5 mile	1000 m	0.75 mile	1500 m	1 mile	2000 m	1.5 miles	2 miles	2.5 miles	3.0 miles	3.5 miles
N	5.920E-06	4.062E-06	2.917E-06	2.156E-06	1.920E-06	1.347E-06	9.982E-07	7.517E-07	5.346E-07	3.694E-07	2.936E-07
NNE	6.747E-06	4.632E-06	3.326E-06	2.220E-06	1.975E-06	1.384E-06	1.024E-06	5.977E-07	4.238E-07	3.373E-07	2.675E-07
NE	5.642E-06	3.854E-06	2.765E-06	1.739E-06	1.546E-06	1.080E-06	7.960E-07	4.498E-07	3.171E-07	2.168E-07	1.713E-07
ENE	2.534E-06	1.731E-06	1.244E-06	6.264E-07	5.569E-07	3.885E-07	2.859E-07	1.786E-07	1.255E-07	9.176E-08	7.227E-08
E	1.556E-06	1.065E-06	7.665E-07	4.144E-07	3.685E-07	2.572E-07	1.894E-07	1.066E-07	7.494E-08	5.480E-08	4.315E-08
ESE	1.085E-06	7.423E-07	5.349E-07	3.550E-07	3.157E-07	2.203E-07	1.621E-07	8.722E-08	6.122E-08	4.363E-08	3.431E-08
SE	1.297E-06	8.867E-07	6.391E-07	4.063E-07	3.613E-07	2.522E-07	1.857E-07	1.171E-07	8.222E-08	6.180E-08	4.861E-08
SSE	1.814E-06	1.241E-06	8.933E-07	6.188E-07	5.503E-07	3.842E-07	2.830E-07	1.516E-07	1.066E-07	8.526E-08	6.716E-08
S	2.614E-06	1.792E-06	1.288E-06	8.922E-07	7.937E-07	5.552E-07	4.099E-07	2.600E-07	1.837E-07	1.388E-07	1.097E-07
SSW	7.573E-06	5.193E-06	3.731E-06	2.352E-06	2.094E-06	1.468E-06	1.087E-06	6.416E-07	4.555E-07	3.365E-07	2.671E-07
SW	1.370E-05	9.308E-06	6.677E-06	4.637E-06	4.132E-06	2.914E-06	2.171E-06	1.402E-06	1.007E-06	7.717E-07	6.180E-07
WSW	3.345E-05	2.258E-05	1.619E-05	1.125E-05	1.004E-05	7.099E-06	5.309E-06	3.452E-06	2.493E-06	1.921E-06	1.545E-06
W	1.461E-05	9.933E-06	7.124E-06	5.241E-06	4.671E-06	3.294E-06	2.456E-06	1.483E-06	1.065E-06	8.167E-07	6.543E-07
WNW	8.742E-06	5.969E-06	4.284E-06	3.097E-06	2.759E-06	1.941E-06	1.443E-06	7.481E-07	5.349E-07	4.085E-07	3.261E-07
NW	6.032E-06	4.129E-06	2.965E-06	2.056E-06	1.831E-06	1.286E-06	9.544E-07	6.113E-07	4.357E-07	3.351E-07	2.668E-07
NNW	4.767E-06	3.266E-06	2.345E-06	1.626E-06	1.448E-06	1.017E-06	7.543E-07	4.828E-07	3.439E-07	2.617E-07	2.083E-07

Table 2.7-158 Ground Level, Normal Effluent, Sector Average, Depleted, Decayed, Atmospheric Dispersion Factors (sec/m³)

SECTOR	100 m	200 m	250m	275m	300m	350m	375m	400m	500m	Site Boundary
N	2.545E-04	6.884E-05	4.558E-05	3.825E-05	3.261E-05	2.459E-05	2.168E-05	1.927E-05	1.284E-05	2.897E-05
NNE	2.938E-04	7.902E-05	5.224E-05	4.381E-05	3.732E-05	2.812E-05	2.478E-05	2.202E-05	1.465E-05	6.962E-06
NE	2.557E-04	6.816E-05	4.486E-05	3.754E-05	3.192E-05	2.397E-05	2.108E-05	1.871E-05	1.238E-05	3.965E-06
ENE	1.154E-04	3.057E-05	2.011E-05	1.683E-05	1.431E-05	1.075E-05	9.457E-06	8.391E-06	5.556E-06	1.757E-06
E	7.012E-05	1.855E-05	1.222E-05	1.023E-05	8.708E-06	6.548E-06	5.765E-06	5.119E-06	3.397E-06	9.248E-07
ESE	4.914E-05	1.296E-05	8.531E-06	7.144E-06	6.078E-06	4.570E-06	4.023E-06	3.572E-06	2.370E-06	1.538E-06
SE	5.862E-05	1.547E-05	1.019E-05	8.534E-06	7.262E-06	5.461E-06	4.808E-06	4.269E-06	2.833E-06	2.698E-06
SSE	8.149E-05	2.158E-05	1.422E-05	1.191E-05	1.014E-05	7.627E-06	6.716E-06	5.964E-06	3.958E-06	4.071E-06
S	1.151E-04	3.075E-05	2.031E-05	1.703E-05	1.450E-05	1.092E-05	9.623E-06	8.549E-06	5.685E-06	5.846E-06
SSW	3.271E-04	8.823E-05	5.840E-05	4.900E-05	4.176E-05	3.149E-05	2.776E-05	2.467E-05	1.643E-05	1.961E-05
SW	5.772E-04	1.595E-04	1.059E-04	8.896E-05	7.587E-05	5.724E-05	5.046E-05	4.485E-05	2.985E-05	4.767E-05
WSW	1.392E-03	3.900E-04	2.594E-04	2.180E-04	1.859E-04	1.403E-04	1.237E-04	1.099E-04	7.309E-05	1.527E-04
W	6.128E-04	1.695E-04	1.126E-04	9.461E-05	8.070E-05	6.091E-05	5.370E-05	4.774E-05	3.179E-05	6.630E-05
WNW	3.707E-04	1.015E-04	6.732E-05	5.653E-05	4.821E-05	3.637E-05	3.207E-05	2.851E-05	1.899E-05	3.960E-05
NW	2.580E-04	7.011E-05	4.646E-05	3.900E-05	3.325E-05	2.508E-05	2.211E-05	1.965E-05	1.309E-05	2.730E-05
NNW	2.041E-04	5.539E-05	3.670E-05	3.080E-05	2.626E-05	1.981E-05	1.746E-05	1.552E-05	1.034E-05	2.626E-05

Table 2.7-158—Continued

SECTOR	0.5 mile	1000 m	0.75 mile	1500 m	1 mile	2000 m	1.5 miles	2 miles	2.5 miles	3.0 miles	3.5 miles
N	5.406E-06	3.658E-06	2.599E-06	1.896E-06	1.680E-06	1.161E-06	8.477E-07	6.225E-07	4.330E-07	2.934E-07	2.291E-07
NNE	6.161E-06	4.172E-06	2.964E-06	1.952E-06	1.729E-06	1.193E-06	8.695E-07	4.949E-07	3.433E-07	2.679E-07	2.087E-07
NE	5.152E-06	3.471E-06	2.464E-06	1.530E-06	1.354E-06	9.308E-07	6.760E-07	3.724E-07	2.569E-07	1.722E-07	1.336E-07
ENE	2.314E-06	1.559E-06	1.109E-06	5.509E-07	4.875E-07	3.349E-07	2.428E-07	1.479E-07	1.017E-07	7.289E-08	5.639E-08
E	1.421E-06	9.588E-07	6.831E-07	3.644E-07	3.225E-07	2.217E-07	1.608E-07	8.829E-08	6.071E-08	4.353E-08	3.367E-08
ESE	9.911E-07	6.684E-07	4.766E-07	3.122E-07	2.763E-07	1.899E-07	1.377E-07	7.222E-08	4.959E-08	3.466E-08	2.677E-08
SE	1.185E-06	7.985E-07	5.695E-07	3.573E-07	3.163E-07	2.174E-07	1.577E-07	9.694E-08	6.660E-08	4.909E-08	3.793E-08
SSE	1.656E-06	1.117E-06	7.961E-07	5.441E-07	4.817E-07	3.312E-07	2.404E-07	1.255E-07	8.637E-08	6.772E-08	5.240E-08
S	2.387E-06	1.614E-06	1.148E-06	7.847E-07	6.948E-07	4.785E-07	3.481E-07	2.153E-07	1.488E-07	1.103E-07	8.564E-08
SSW	6.915E-06	4.676E-06	3.324E-06	2.069E-06	1.833E-06	1.265E-06	9.230E-07	5.313E-07	3.690E-07	2.673E-07	2.084E-07
SW	1.251E-05	8.382E-06	5.950E-06	4.077E-06	3.617E-06	2.511E-06	1.844E-06	1.161E-06	8.155E-07	6.130E-07	4.823E-07
WSW	3.055E-05	2.034E-05	1.442E-05	9.896E-06	8.785E-06	6.119E-06	4.509E-06	2.858E-06	2.019E-06	1.526E-06	1.206E-06
W	1.334E-05	8.945E-06	6.349E-06	4.609E-06	4.089E-06	2.839E-06	2.086E-06	1.228E-06	8.627E-07	6.488E-07	5.105E-07
WNW	7.983E-06	5.375E-06	3.817E-06	2.724E-06	2.415E-06	1.673E-06	1.226E-06	6.194E-07	4.333E-07	3.245E-07	2.544E-07
NW	5.509E-06	3.718E-06	2.642E-06	1.808E-06	1.603E-06	1.109E-06	8.106E-07	5.062E-07	3.529E-07	2.662E-07	2.082E-07
NNW	4.353E-06	2.941E-06	2.090E-06	1.430E-06	1.268E-06	8.765E-07	6.406E-07	3.998E-07	2.786E-07	2.079E-07	1.625E-07

Table 2.7-159 Ground Level, Normal Effluent, Sector Average, Undepleted, Undecayed, Atmospheric Deposition Factors (sec/m³)

SECTOR	100 m	200 m	250m	275m	300m	350m	375m	400m	500m	Site Boundary
N	2.063E-05	9.952E-06	7.704E-06	6.883E-06	6.208E-06	5.167E-06	4.757E-06	4.403E-06	3.361E-06	5.749E-06
NNE	2.485E-05	1.215E-05	9.416E-06	8.410E-06	7.583E-06	6.306E-06	5.804E-06	5.369E-06	4.091E-06	2.459E-06
NE	2.242E-05	1.142E-05	8.886E-06	7.938E-06	7.158E-06	5.950E-06	5.473E-06	5.061E-06	3.842E-06	1.732E-06
ENE	1.014E-05	5.270E-06	4.106E-06	3.667E-06	3.306E-06	2.747E-06	2.527E-06	2.337E-06	1.775E-06	7.949E-07
E	6.081E-06	3.167E-06	2.466E-06	2.201E-06	1.984E-06	1.648E-06	1.516E-06	1.402E-06	1.067E-06	4.315E-07
ESE	4.270E-06	2.250E-06	1.752E-06	1.564E-06	1.408E-06	1.169E-06	1.075E-06	9.942E-07	7.557E-07	5.625E-07
SE	5.019E-06	2.649E-06	2.064E-06	1.842E-06	1.659E-06	1.378E-06	1.267E-06	1.171E-06	8.908E-07	8.618E-07
SSE	6.978E-06	3.636E-06	2.832E-06	2.527E-06	2.278E-06	1.892E-06	1.741E-06	1.610E-06	1.225E-06	1.249E-06
S	9.746E-06	4.903E-06	3.809E-06	3.402E-06	3.067E-06	2.551E-06	2.348E-06	2.173E-06	1.656E-06	1.688E-06
SSW	2.663E-05	1.302E-05	1.009E-05	9.017E-06	8.133E-06	6.768E-06	6.232E-06	5.767E-06	4.403E-06	4.955E-06
SW	3.873E-05	1.827E-05	1.414E-05	1.265E-05	1.142E-05	9.525E-06	8.779E-06	8.132E-06	6.233E-06	8.460E-06
WSW	8.106E-05	3.734E-05	2.890E-05	2.588E-05	2.339E-05	1.954E-05	1.803E-05	1.671E-05	1.285E-05	2.063E-05
W	4.107E-05	1.917E-05	1.482E-05	1.326E-05	1.198E-05	9.991E-06	9.210E-06	8.534E-06	6.545E-06	1.055E-05
WNW	2.718E-05	1.292E-05	9.996E-06	8.937E-06	8.065E-06	6.720E-06	6.192E-06	5.734E-06	4.388E-06	7.101E-06
NW	2.002E-05	9.641E-06	7.463E-06	6.669E-06	6.015E-06	5.008E-06	4.611E-06	4.268E-06	3.261E-06	5.293E-06
NNW	1.607E-05	7.739E-06	5.990E-06	5.351E-06	4.827E-06	4.018E-06	3.699E-06	3.424E-06	2.615E-06	4.827E-06

Table 2.7-159—Continued

SECTOR	0.5 mile	1000 m	0.75 mile	1500 m	1 mile	2000 m	1.5 miles	2 miles	2.5 miles	3.0 miles	3.5 miles
N	1.867E-06	1.423E-06	1.119E-06	9.073E-07	8.303E-07	6.305E-07	4.968E-07	4.065E-07	3.060E-07	2.206E-07	1.812E-07
NNE	2.259E-06	1.717E-06	1.347E-06	9.837E-07	8.993E-07	6.810E-07	5.351E-07	3.391E-07	2.543E-07	2.110E-07	1.728E-07
NE	2.087E-06	1.573E-06	1.226E-06	8.393E-07	7.656E-07	5.754E-07	4.491E-07	2.742E-07	2.039E-07	1.449E-07	1.180E-07
ENE	9.666E-07	7.289E-07	5.687E-07	3.116E-07	2.842E-07	2.134E-07	1.663E-07	1.123E-07	8.326E-08	6.330E-08	5.141E-08
E	5.850E-07	4.427E-07	3.464E-07	2.041E-07	1.862E-07	1.401E-07	1.093E-07	6.668E-08	4.949E-08	3.767E-08	3.060E-08
ESE	4.145E-07	3.136E-07	2.455E-07	1.775E-07	1.620E-07	1.218E-07	9.504E-08	5.540E-08	4.107E-08	3.048E-08	2.473E-08
SE	4.893E-07	3.704E-07	2.901E-07	2.009E-07	1.834E-07	1.380E-07	1.077E-07	7.354E-08	5.454E-08	4.267E-08	3.463E-08
SSE	6.731E-07	5.097E-07	3.992E-07	3.014E-07	2.751E-07	2.070E-07	1.617E-07	9.377E-08	6.963E-08	5.795E-08	4.709E-08
S	9.137E-07	6.938E-07	5.440E-07	4.116E-07	3.760E-07	2.838E-07	2.223E-07	1.528E-07	1.141E-07	8.976E-08	7.325E-08
SSW	2.444E-06	1.862E-06	1.464E-06	1.011E-06	9.248E-07	7.010E-07	5.515E-07	3.534E-07	2.654E-07	2.043E-07	1.675E-07
SW	3.501E-06	2.680E-06	2.118E-06	1.620E-06	1.486E-06	1.137E-06	9.019E-07	6.336E-07	4.817E-07	3.853E-07	3.189E-07
WSW	7.284E-06	5.595E-06	4.442E-06	3.417E-06	3.140E-06	2.418E-06	1.930E-06	1.371E-06	1.051E-06	8.472E-07	7.058E-07
W	3.684E-06	2.823E-06	2.233E-06	1.812E-06	1.662E-06	1.273E-06	1.011E-06	6.654E-07	5.068E-07	4.059E-07	3.364E-07
WNW	2.455E-06	1.877E-06	1.480E-06	1.177E-06	1.078E-06	8.224E-07	6.507E-07	3.668E-07	2.777E-07	2.213E-07	1.825E-07
NW	1.817E-06	1.387E-06	1.092E-06	8.315E-07	7.613E-07	5.790E-07	4.569E-07	3.180E-07	2.398E-07	1.924E-07	1.582E-07
NNW	1.456E-06	1.111E-06	8.746E-07	6.656E-07	6.093E-07	4.633E-07	3.655E-07	2.542E-07	1.917E-07	1.521E-07	1.251E-07

Table 2.7-160 Ground Level, Normal Effluent, Sector Average, Depleted, Decayed, Atmospheric Deposition Factors (1/m²)

SECTOR	100 m	200 m	250m	275m	300m	350m	375m	400m	500m	Site Boundary
N	2.629E-07	1.040E-07	7.589E-08	6.619E-08	5.834E-08	4.652E-08	4.198E-08	3.811E-08	2.714E-08	5.309E-08
NNE	3.926E-07	1.557E-07	1.137E-07	9.923E-08	8.751E-08	6.981E-08	6.301E-08	5.721E-08	4.076E-08	2.146E-08
NE	5.805E-07	2.313E-07	1.693E-07	1.478E-07	1.304E-07	1.041E-07	9.401E-08	8.538E-08	6.089E-08	2.289E-08
ENE	3.168E-07	1.257E-07	9.186E-08	8.015E-08	7.068E-08	5.639E-08	5.090E-08	4.621E-08	3.292E-08	1.219E-08
E	1.764E-07	6.969E-08	5.086E-08	4.435E-08	3.909E-08	3.116E-08	2.812E-08	2.552E-08	1.817E-08	5.844E-09
ESE	1.278E-07	5.044E-08	3.680E-08	3.209E-08	2.828E-08	2.254E-08	2.033E-08	1.846E-08	1.313E-08	9.090E-09
SE	1.609E-07	6.347E-08	4.629E-08	4.036E-08	3.556E-08	2.834E-08	2.556E-08	2.320E-08	1.651E-08	1.584E-08
SSE	2.142E-07	8.457E-08	6.170E-08	5.380E-08	4.741E-08	3.779E-08	3.409E-08	3.094E-08	2.202E-08	2.255E-08
S	2.076E-07	8.204E-08	5.988E-08	5.222E-08	4.602E-08	3.669E-08	3.310E-08	3.005E-08	2.139E-08	2.190E-08
SSW	4.051E-07	1.600E-07	1.168E-07	1.018E-07	8.976E-08	7.155E-08	6.456E-08	5.860E-08	4.171E-08	4.841E-08
SW	3.816E-07	1.506E-07	1.098E-07	9.577E-08	8.440E-08	6.726E-08	6.069E-08	5.508E-08	3.920E-08	5.791E-08
WSW	5.925E-07	2.335E-07	1.702E-07	1.484E-07	1.307E-07	1.042E-07	9.396E-08	8.527E-08	6.067E-08	1.116E-07
W	2.811E-07	1.109E-07	8.086E-08	7.049E-08	6.212E-08	4.950E-08	4.466E-08	4.053E-08	2.884E-08	5.303E-08
WNW	2.146E-07	8.469E-08	6.178E-08	5.386E-08	4.747E-08	3.783E-08	3.413E-08	3.098E-08	2.205E-08	4.053E-08
NW	1.961E-07	7.749E-08	5.655E-08	4.931E-08	4.346E-08	3.465E-08	3.126E-08	2.838E-08	2.020E-08	3.712E-08
NNW	1.753E-07	6.928E-08	5.056E-08	4.409E-08	3.886E-08	3.098E-08	2.795E-08	2.537E-08	1.806E-08	3.886E-08

Table 2.7-160—Continued

SECTOR	0.5 mile	1000 m	0.75 mile	1500 m	1 mile	2000 m	1.5 miles	2 miles	2.5 miles	3.0 miles	3.5 miles
N	1.281E-08	8.994E-09	6.587E-09	4.876E-09	4.329E-09	2.987E-09	2.162E-09	1.549E-09	1.048E-09	6.915E-10	5.262E-10
NNE	1.926E-08	1.353E-08	9.915E-09	6.633E-09	5.890E-09	4.067E-09	2.945E-09	1.642E-09	1.112E-09	8.475E-10	6.452E-10
NE	2.883E-08	2.027E-08	1.487E-08	9.399E-09	8.349E-09	5.770E-09	4.182E-09	2.275E-09	1.542E-09	1.015E-09	7.736E-10
ENE	1.556E-08	1.093E-08	8.005E-09	4.045E-09	3.592E-09	2.480E-09	1.796E-09	1.082E-09	7.326E-10	5.168E-10	3.934E-10
E	8.565E-09	6.010E-09	4.400E-09	2.382E-09	2.114E-09	1.458E-09	1.055E-09	5.719E-10	3.869E-10	2.728E-10	2.075E-10
ESE	6.190E-09	4.343E-09	3.179E-09	2.112E-09	1.874E-09	1.292E-09	9.349E-10	4.847E-10	3.278E-10	2.255E-10	1.715E-10
SE	7.778E-09	5.456E-09	3.993E-09	2.540E-09	2.254E-09	1.554E-09	1.124E-09	6.821E-10	4.612E-10	3.344E-10	2.543E-10
SSE	1.038E-08	7.280E-09	5.328E-09	3.694E-09	3.279E-09	2.261E-09	1.635E-09	8.423E-10	5.696E-10	4.388E-10	3.337E-10
S	1.009E-08	7.078E-09	5.182E-09	3.594E-09	3.190E-09	2.201E-09	1.592E-09	9.670E-10	6.542E-10	4.744E-10	3.609E-10
SSW	1.967E-08	1.380E-08	1.010E-08	6.375E-09	5.658E-09	3.903E-09	2.824E-09	1.587E-09	1.074E-09	7.578E-10	5.764E-10
SW	1.848E-08	1.296E-08	9.487E-09	6.579E-09	5.839E-09	4.027E-09	2.913E-09	1.768E-09	1.196E-09	8.672E-10	6.596E-10
WSW	2.858E-08	2.004E-08	1.467E-08	1.017E-08	9.024E-09	6.221E-09	4.499E-09	2.730E-09	1.846E-09	1.338E-09	1.017E-09
W	1.359E-08	9.536E-09	6.980E-09	5.127E-09	4.551E-09	3.138E-09	2.270E-09	1.288E-09	8.708E-10	6.314E-10	4.802E-10
WNW	1.039E-08	7.293E-09	5.338E-09	3.858E-09	3.424E-09	2.361E-09	1.708E-09	8.365E-10	5.658E-10	4.103E-10	3.121E-10
NW	9.531E-09	6.689E-09	4.898E-09	3.398E-09	3.016E-09	2.081E-09	1.506E-09	9.146E-10	6.188E-10	4.534E-10	3.449E-10
NNW	8.523E-09	5.982E-09	4.380E-09	3.039E-09	2.698E-09	1.861E-09	1.347E-09	8.182E-10	5.536E-10	4.016E-10	3.056E-10

Table 2.7-161 The Design Input for a 50% Percentile Atmospheric Dispersion Factor Computer Run

Parameter	Value(s)
Wind speed group upper limits for AEOLUS3	0.224, 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	0.25 miles per hour
Anemometer starting speed for the AEOLUS3 runs	0.5 miles per hour
Temperature sensor separation	60m - 10m or 50 meters
Wind instrument heights	10m, 60m
The annual average mixing layer height	900 meters (Conservative, low)
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
Site grade elevation	650 feet (198 meters)

Table 2.7-162 0-2 Hour 50th Percentile Accident Atmospheric Dispersion Factors for the EAB (0.43 miles)

time period	0-2 hrs
50% χ/Q (sec/m ³)	1.311E-04

Table 2.7-163 The 50th Percentile Accident Atmospheric Dispersion Factors for the LPZ (1.5 miles)

duration (hrs)	2	6	16	72	624	8760
50% χ/Q (sec/m ³)	2.347E-05	1.932E-05	1.624E-05	1.244E-05	8.485E-06	5.314E-06
time period	0-2 hrs	2-8 hrs	8-24 hrs	1-4 days	4-30 days	annual average

Table 2.7-164 Monthly and Annual Average Mixing Height Values (m)

Month	Year											monthly	annual
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	average	average
JAN	977	791	958	929	911	930	969	1120	831	781	1098	935	1055
FEB	995	685	1093	993	1362	1089	1037	905	865	1390	1172	1003	
MAR	1148	1333	1189	1111	1105	1421	1081	1184	1082	1187	942	1184	
APR	1371	1229	1028	1288	1185	1420	997	1290	1189	1094	1296	1222	
MAY	1375	929	944	1131	1318	1385	993	1223	1295	1185	1235	1177	
JUN	899	1060	1103	1086	1253	1088	965	1120	1134	968	1145	1079	
JUL	1143	1205	1151	925	1127	1012	1260	982	1147	1101	1253	1106	
AUG	1053	860	1108	860	1162	1073	964	1144	1255	1041	952	1053	
SEP	978	927	869	909	1003	896	913	770	1150	898	1015	935	
OCT	1011	958	1040	907	1292	900	1039	752	799	1147	910	966	
NOV	989	1065	1083	1002	899	1203	975	962	1131	1006	*	1034	
DEC	845	1044	1007	1097	1025	908	887	954	875	1045	*	960	

* No

Table 2.7-165 Monthly and Annual Average Mixing Height Values (ft)

Month	Year											monthly	annual
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	average	average
JAN	3205	2595	3143	3048	2988	3049	3177	3675	2725	2563	3601	3067	3459
FEB	3263	2247	3584	3259	4467	3572	3402	2969	2839	4558	3844	3289	
MAR	3765	4374	3901	3643	3623	4660	3547	3884	3549	3893	3089	3883	
APR	4496	4032	3373	4225	3888	4656	3269	4230	3901	3587	4250	4008	
MAY	4511	3046	3096	3710	4322	4543	3257	4010	4248	3886	4052	3860	
JUN	2947	3477	3617	3564	4109	3570	3166	3674	3719	3174	3755	3538	
JUL	3749	3952	3774	3034	3696	3318	4134	3222	3762	3612	4109	3627	
AUG	3453	2821	3633	2821	3812	3518	3163	3751	4115	3414	3123	3454	
SEP	3207	3041	2850	2981	3291	2939	2993	2525	3772	2945	3328	3067	
OCT	3315	3143	3410	2974	4237	2951	3407	2466	2619	3762	2985	3169	
NOV	3245	3494	3552	3288	2949	3945	3197	3156	3709	3299	-	3393	
DEC	2773	3425	3302	3599	3362	2979	2910	3129	2870	3428	-	3150	

Table 2.7-166 Summary of Ambient Environmental Sound Levels (dBA) for Commonly Used Metrics to Assess Noise Impacts

LOCATION	DATE AND DAY OF WEEK														AVERAGE DAILY MINIMUM HOURLY LEVEL
	3/1 SAT	3/2 SUN	3/3 MON	3/4 TUE	3/5 WED	3/6 THU	3/7 FRI	3/8 SAT	3/9 SUN	3/10 MON	3/11 TUE	3/12 WED	3/13 THU		
	LA50 METRIC MINIMUM HOUR MEASUREMENT														
1	28	27	34	32	33	32	36	36	28	28	32	28	31	31	
2*	30	27	35	34	37	34	36	35	29	29	34	30	32	33	
3	32	28	34	36	38	37	34	32	32	32	34	30	31	33	
4	31	27	37	34	39	33	38	37	27	26	36	33	35	33	
5	39	34	36	52	43	36	48	46	32	28	40	39	34	39	
	LA90 METRIC MINIMUM HOUR MEASUREMENT														
1	25	25	32	31	32	30	34	33	27	27	29	26	28	29	
2*	29	26	33	33	35	32	34	32	27	28	31	28	30	31	
3	30	27	33	36	38	34	33	31	30	31	32	29	30	32	
4	29	26	33	32	36	31	36	33	25	25	33	30	32	31	
5	33	31	34	39	35	33	39	42	27	26	26	33	29	34	
	LAeq METRIC MINIMUM HOUR MEASUREMENT														
1	31	28	35	32	34	33	38	37	28	28	34	30	32	32	
2*	35	28	37	35	40	38	38	36	32	29	36	35	34	35	
3	40	29	37	37	40	37	37	33	38	32	35	38	32	36	
4	33	28	39	36	46	44	38	38	30	28	38	37	37	36	
5	51	47	51	55	56	55	54	53	53	51	53	53	52	53	
AVERAGE WIND SPEED, MPH	8	6	5	7	8	3	6	8	10	5	3	8	5	5	
AVERAGE WIND DIRECTION	NW	NW	S	ESE	WNW	WNW	SE	WSW	NW	NW	NNW	NW	SSE	SSE	
PRECIPITATION, INCHES	0	0	0	1.2	0.9	0	0.6	0.4	0	0	0	0	0	0	

* EST FROM MACRO DATA RESULTS AT LOCATIONS 1, 3 & 4
 WEATHER DATA FROM TOP OF SHICKSHINNY MOUNTAIN, APPROX. 7 MILES NORTH OF SITE

**Table 2.7-167 24-Hour Day/Night Sound Levels for a 13 Day Sampling Period
during Leaf-Off Seasonal Conditions at the BBNPP Site**

BBNPP LEAF OFF		24-HOUR DAILY DAY/NIGHT SOUND LEVEL (DNL OR Ldn) , dBA				
DATE	LOCATION					
	1 (ONSITE)	2	3	4	5	
3/1/2008	66	55	60	57	62	
3/2/2008	42	46	52	49	60	
3/3/2008	48	52	58	61	64	
3/4/2008	53	55	57	62	66	
3/5/2008	61	60	60	63	68	
3/6/2008	50	53	57	61	67	
3/7/2008	54	55	58	59	66	
3/8/2008	61	61	62	59	66	
3/9/2008	61	62	63	58	65	
3/10/2008	45	51	59	57	66	
3/11/2008	55	55	58	58	65	
3/12/2008	52	53	56	58	65	
3/13/2008	52	55	60	58	66	
ARITH. AVERAGE	N/A	55	58	58	65	
LOG AVERAGE	N/A	57	59	59	65	
STD DEV	N/A	4.3	2.8	3.4	2.1	

Figure 2.7-1 Annual Average Number of Tornadoes, 1950-1995



Figure 2.7-2 Annual Average Number of Strong-Violent (F2-F5) Tornadoes, 1950-1995

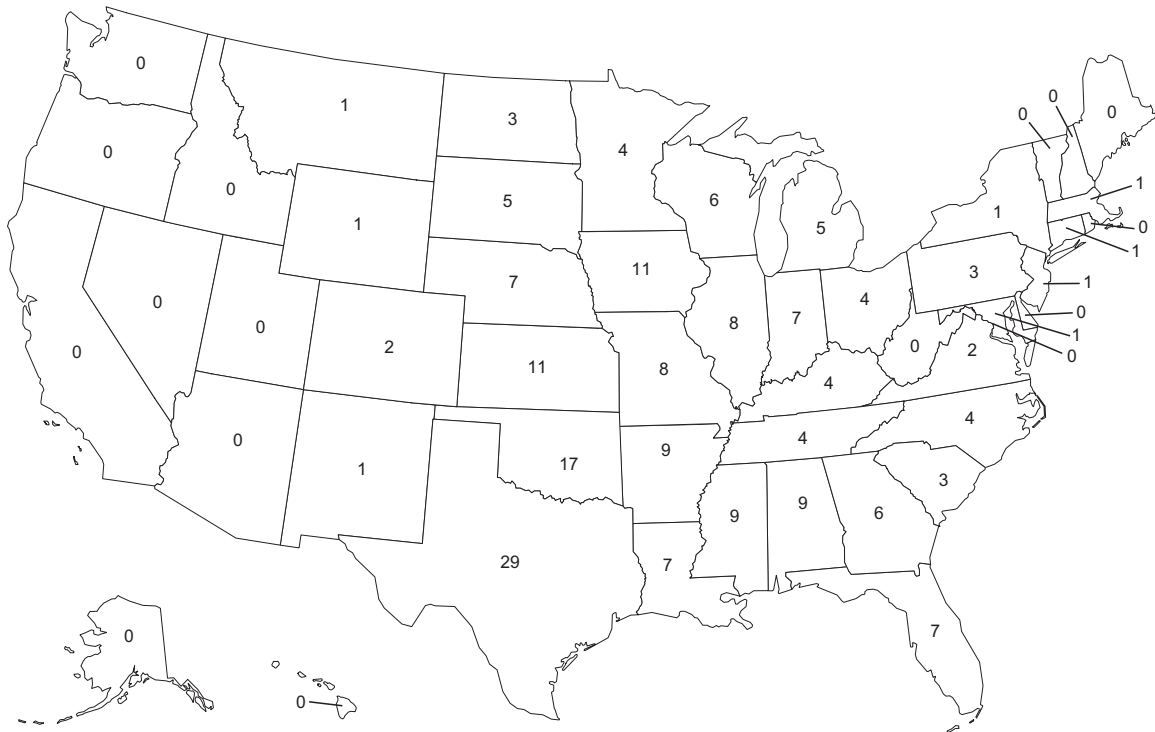


Figure 2.7-3 Annual Thunderstorm Frequency

Average Number of Thunderstorm Days Per Year
(See key for explanation)

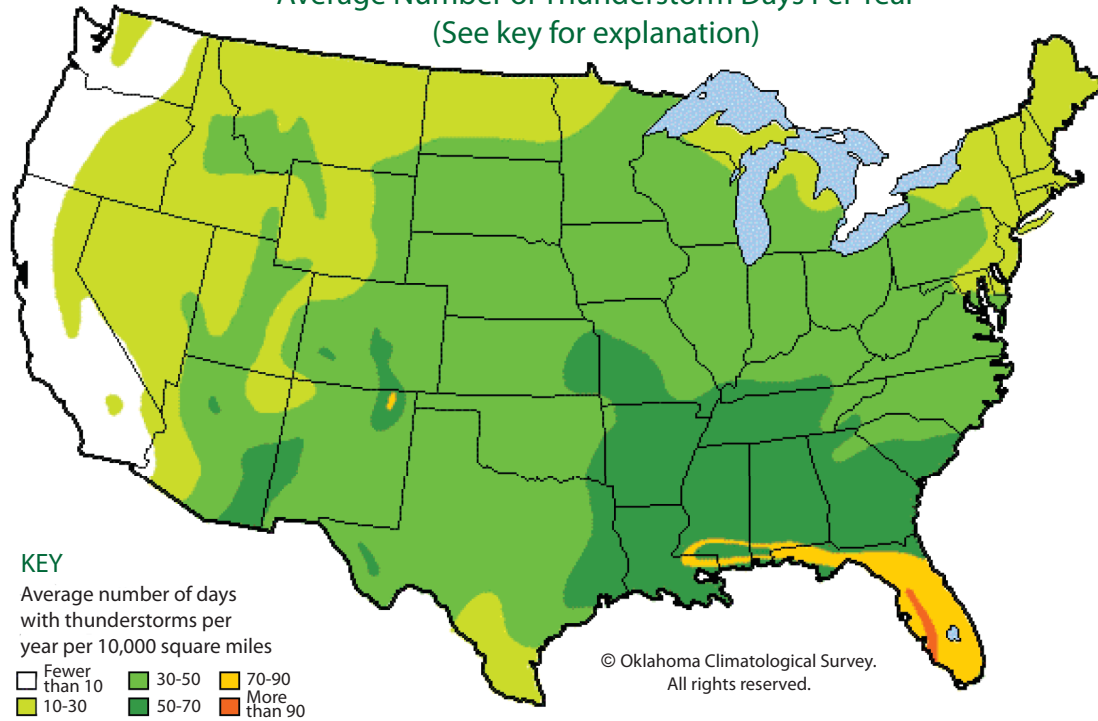


Figure 2.7-4 Five-Year Lightning Flash Density Map

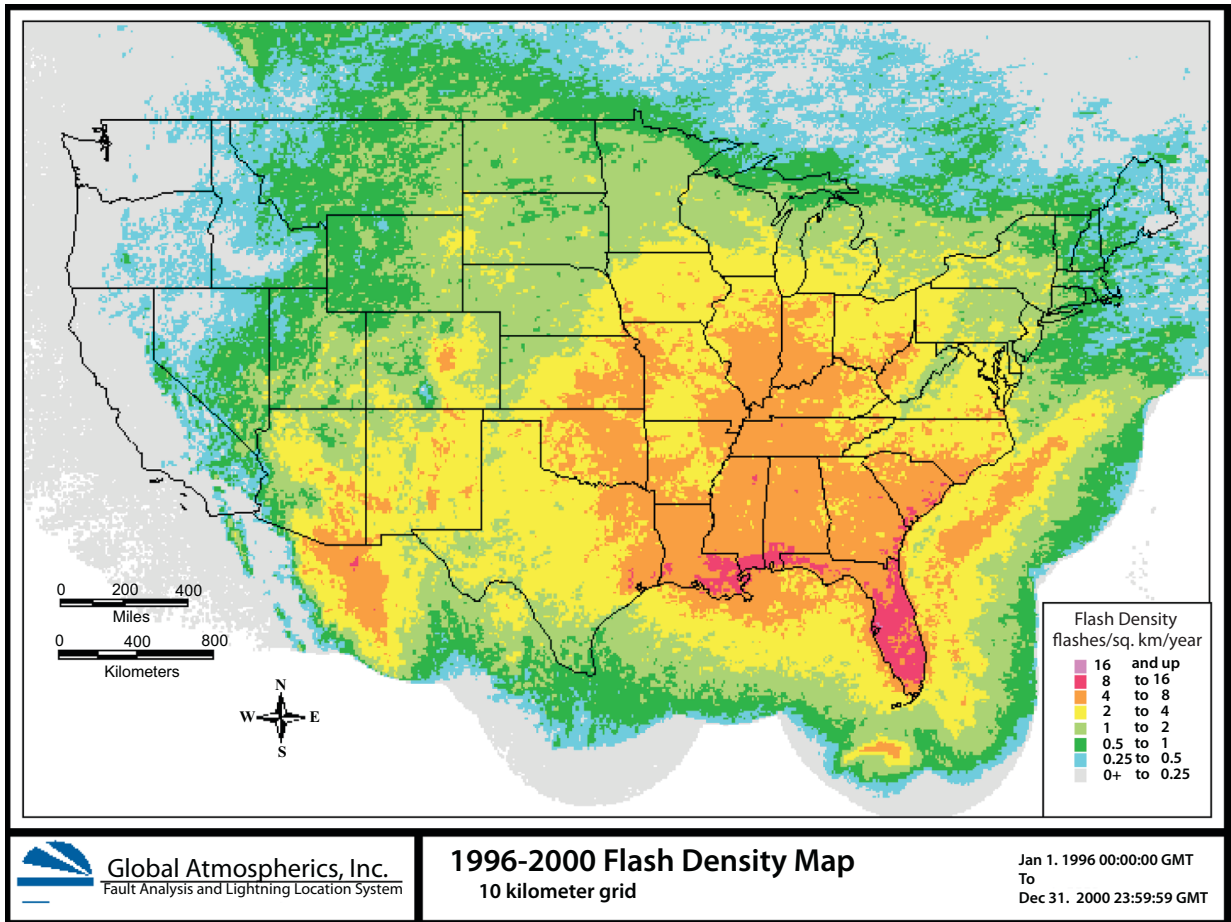
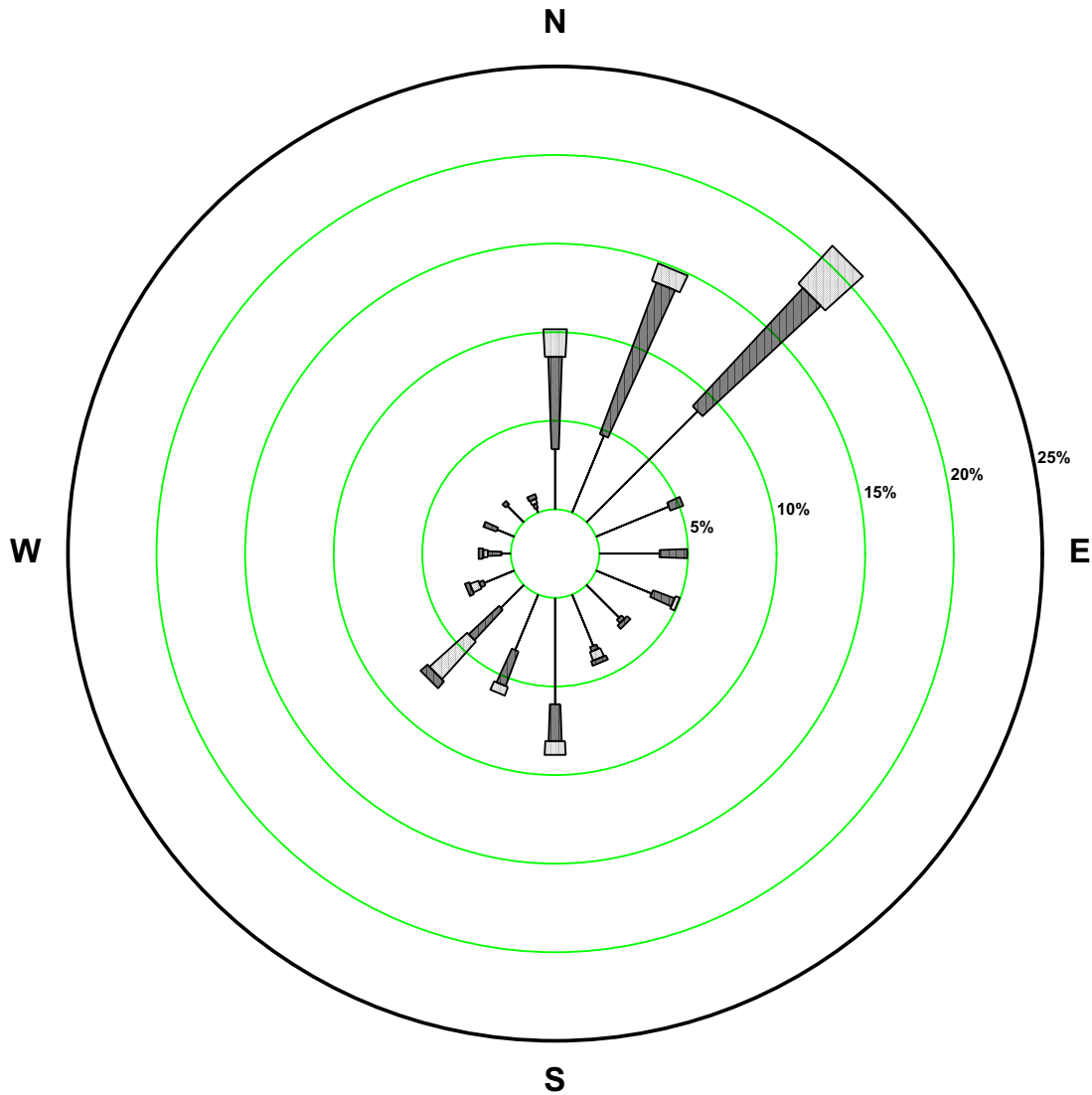


Figure 2.7-5 SSES 10 m January Precipitation Wind Rose

SSES JAN

10-METER WIND DATA



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

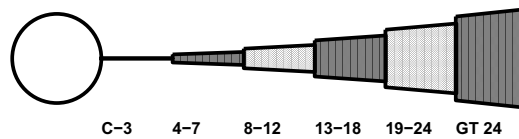
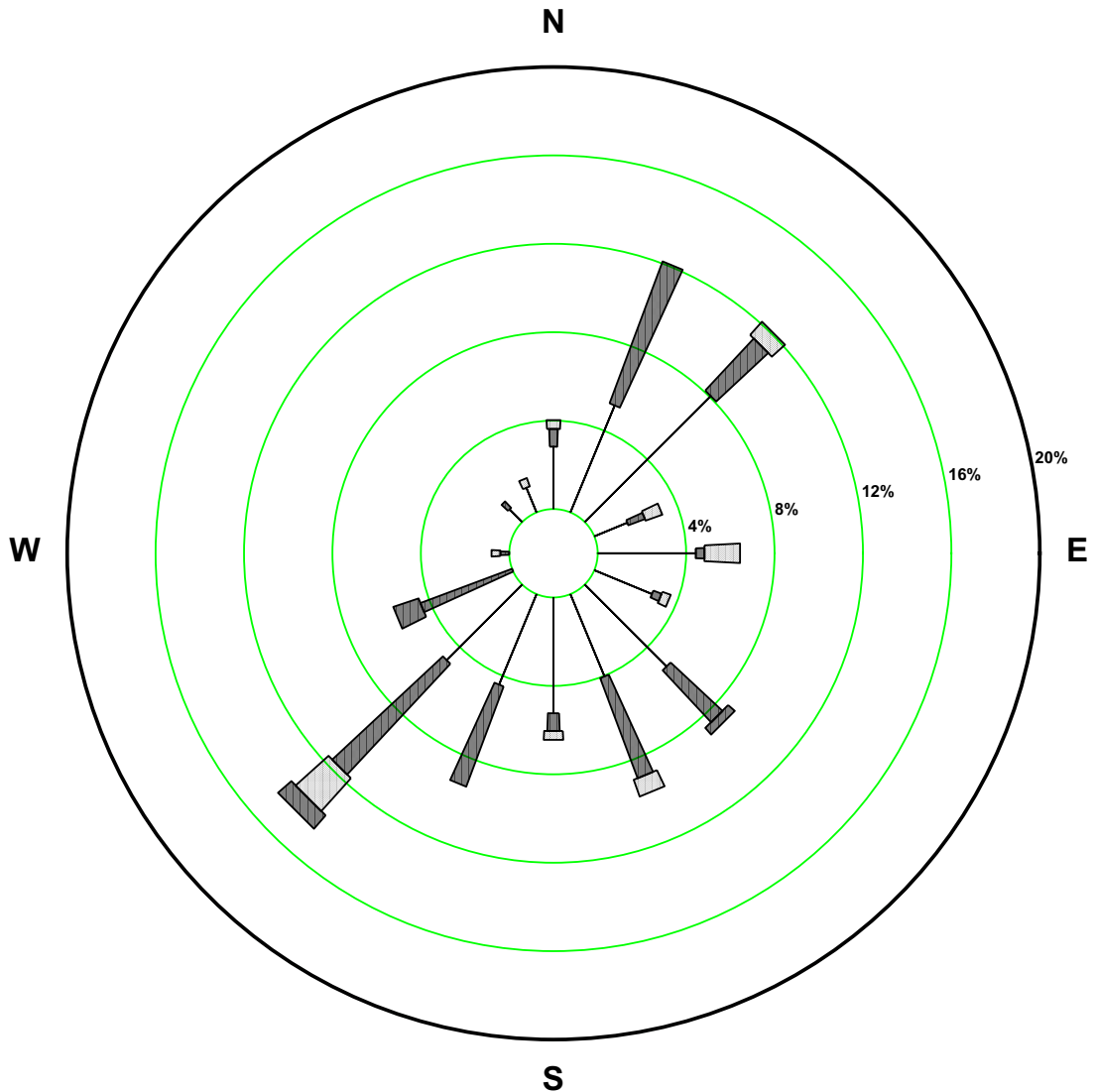


Figure 2.7-6 SSES 10 m February Precipitation Wind Rose

SSES FEB

10-METER WIND DATA



STABILITY CLASS ALL

CALM WINDS 0.40%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

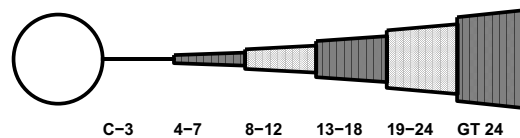
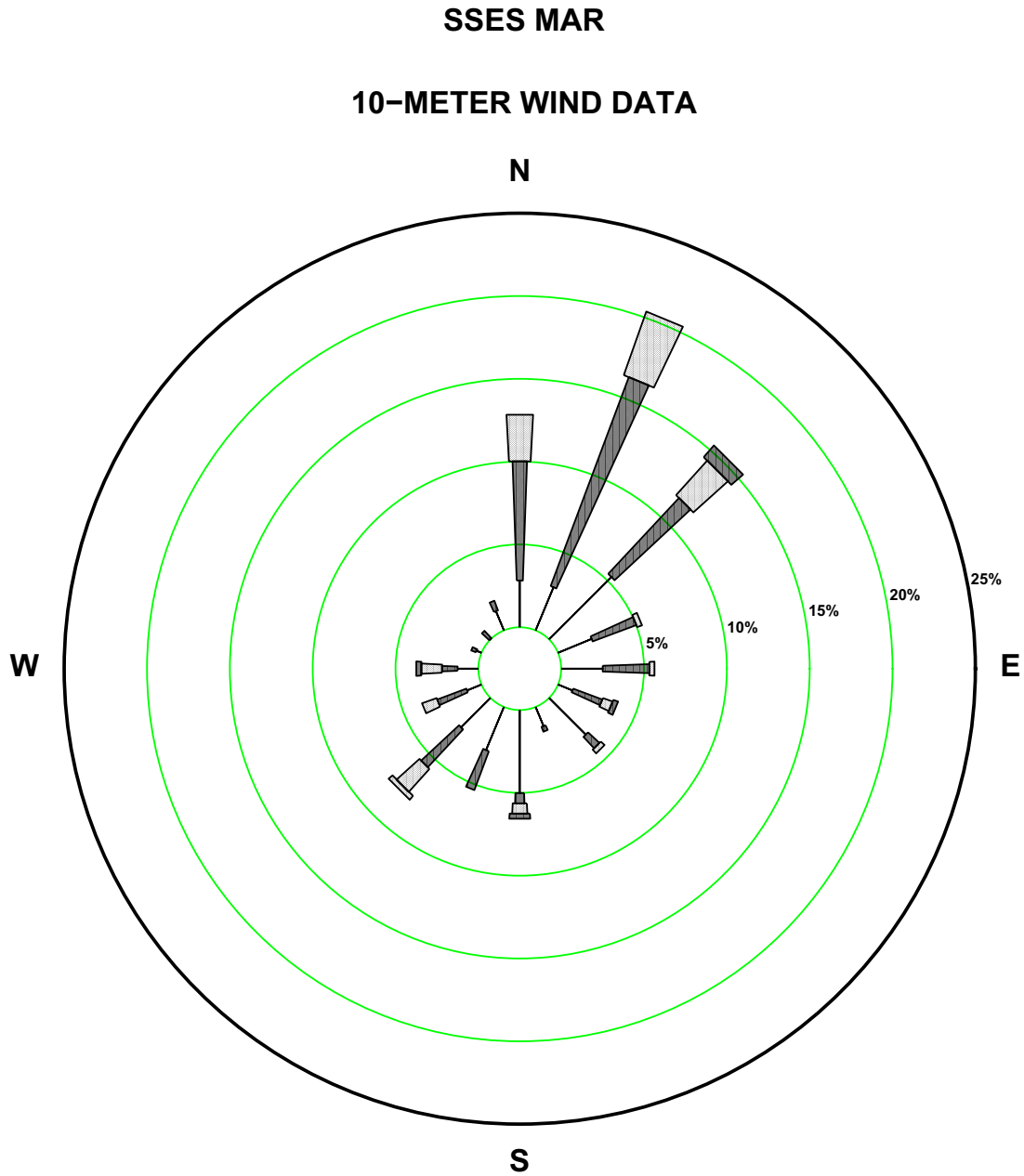


Figure 2.7-7 SSES 10 m March Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.31%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

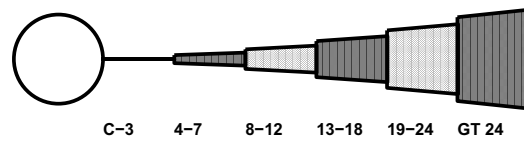
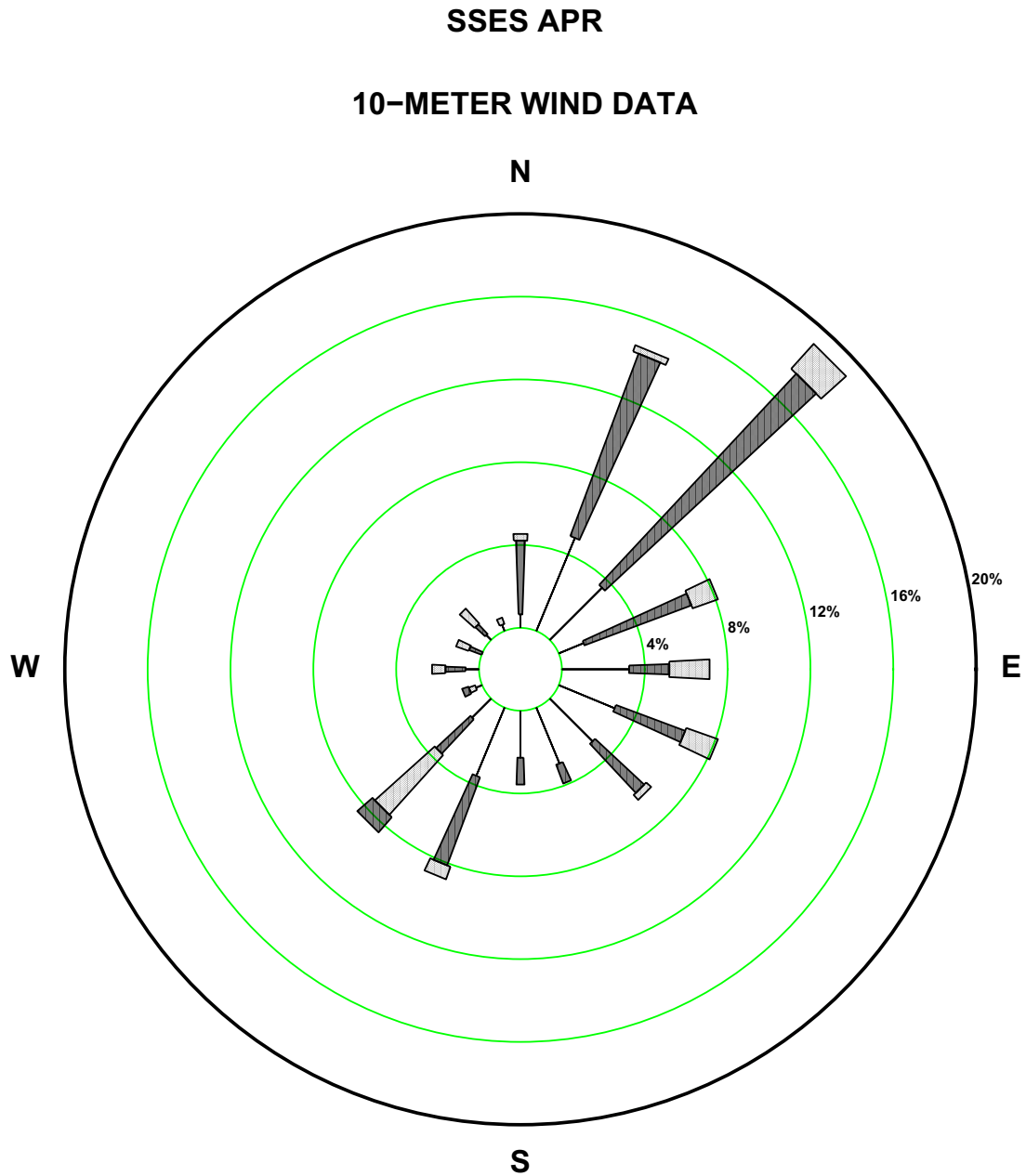


Figure 2.7-8 SSES 10 m April Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

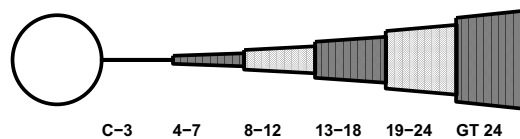
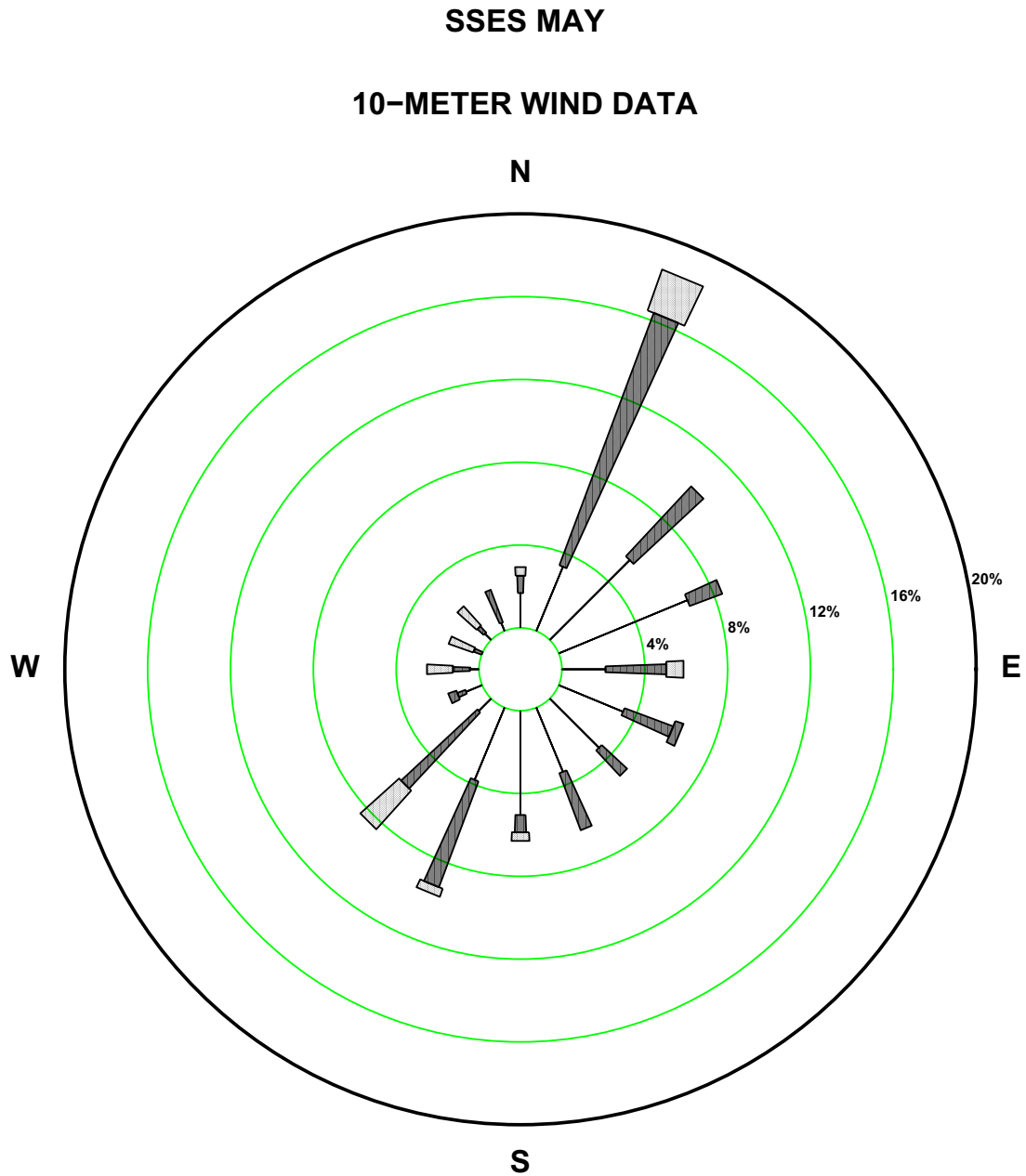


Figure 2.7-9 SSES 10 m May Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 2.10%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

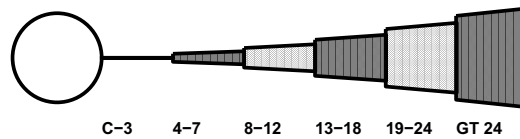
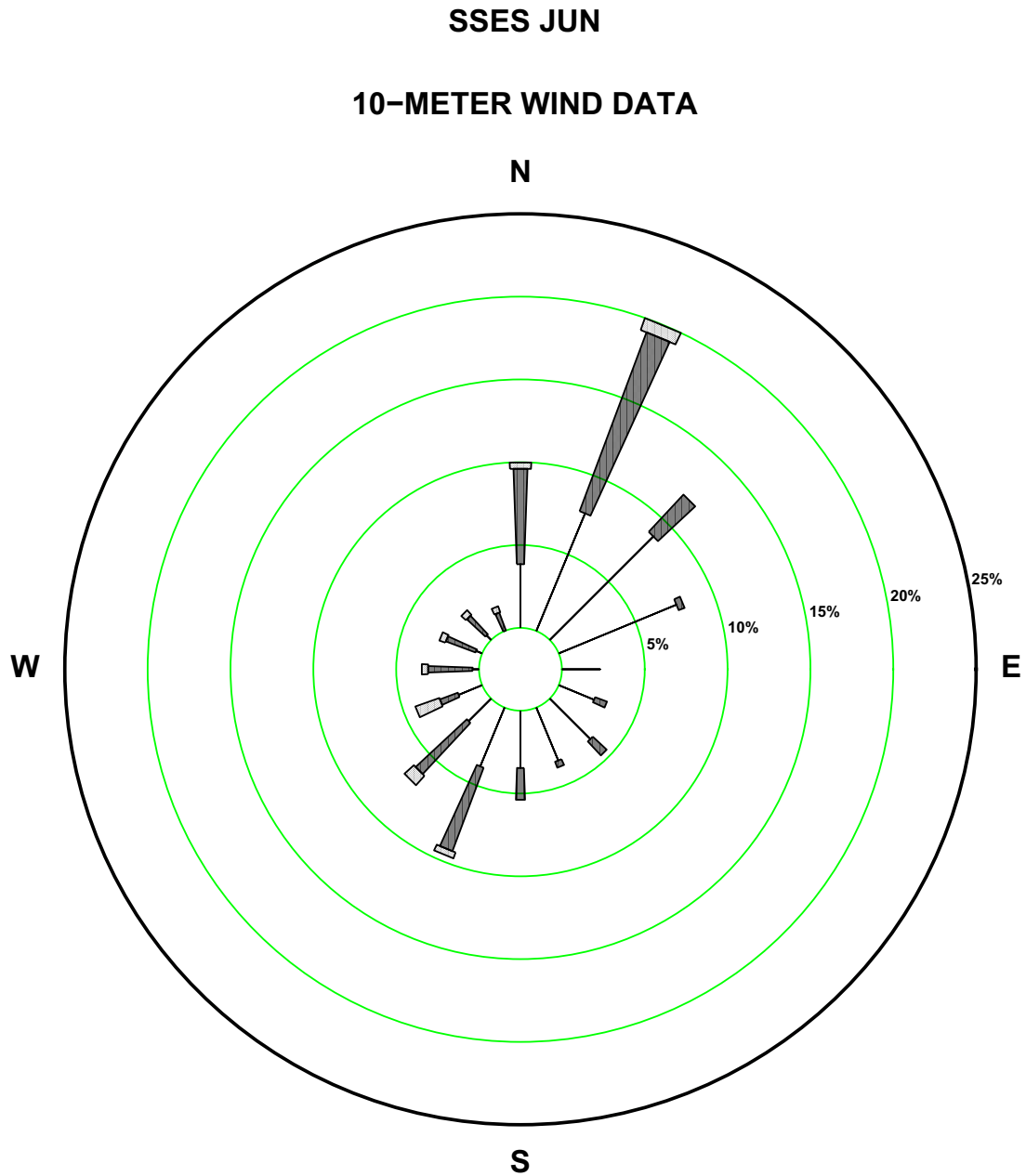


Figure 2.7-10 SSES 10 m June Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

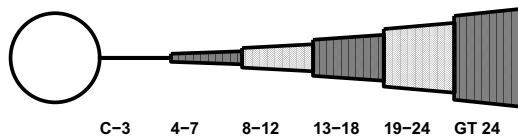
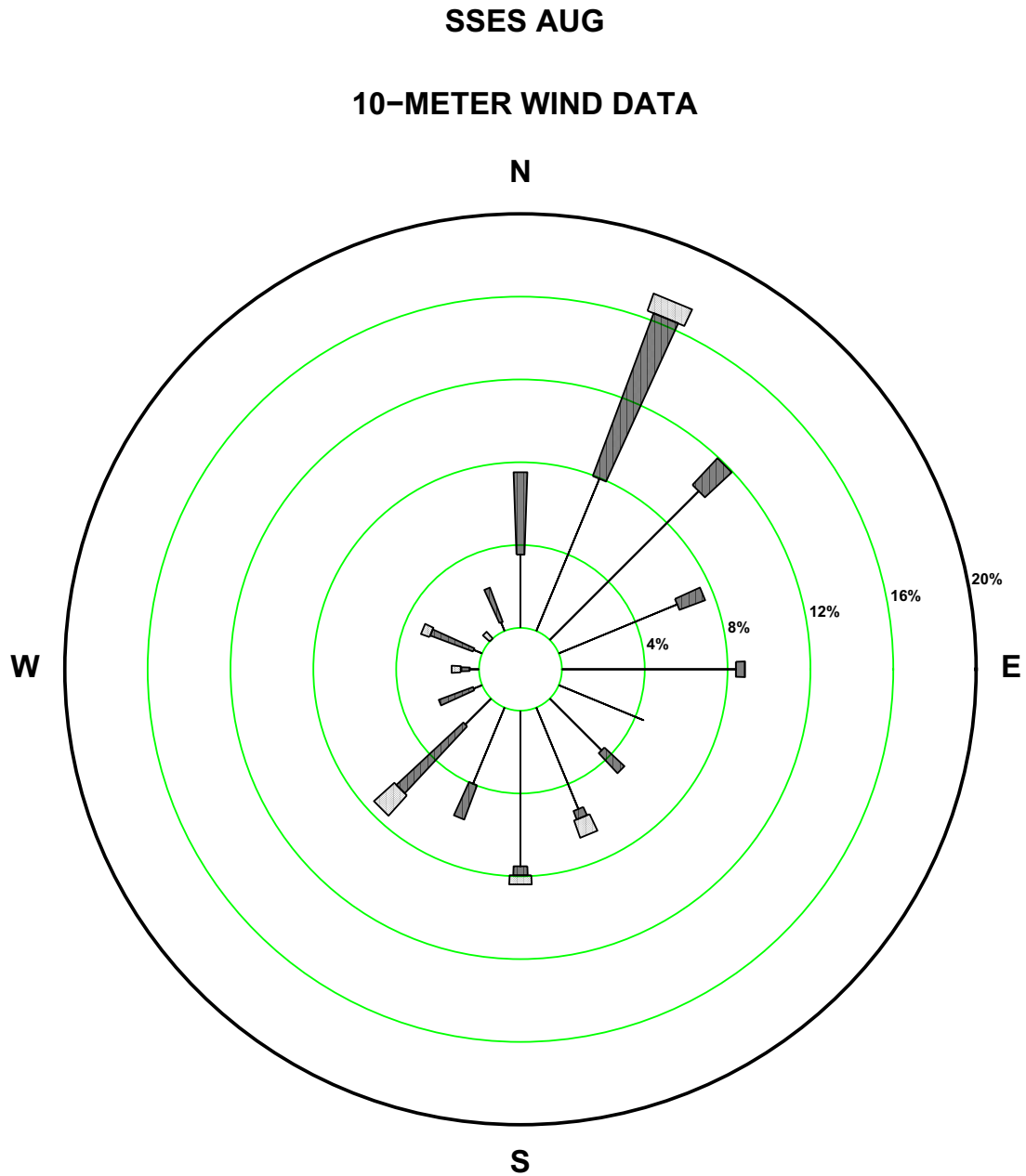


Figure 2.7-12 SSES 10 m August Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

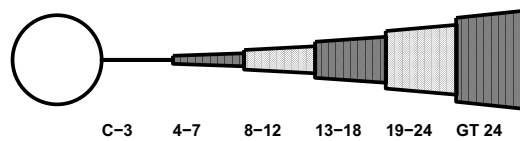
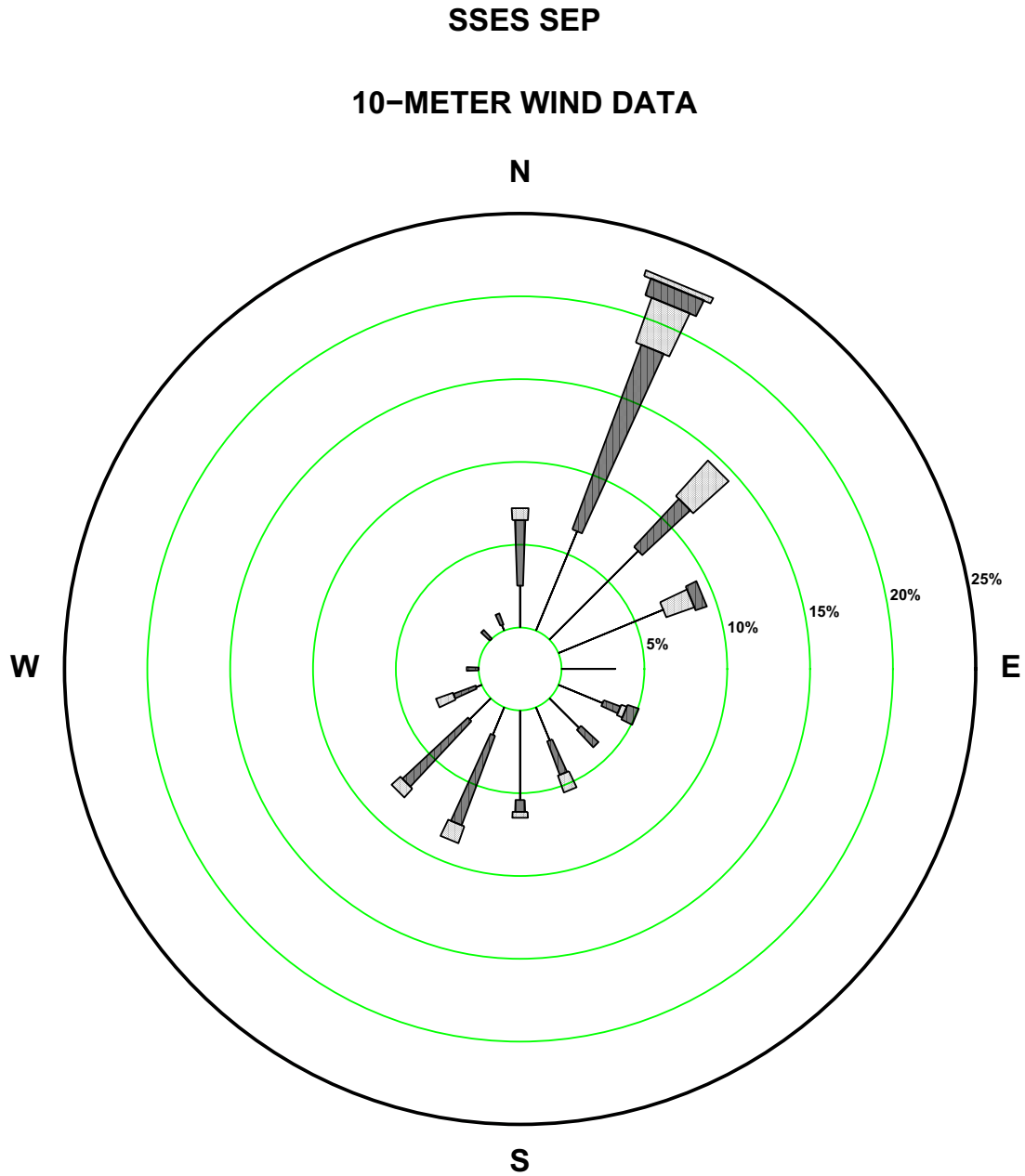


Figure 2.7-13 SSES 10 m September Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

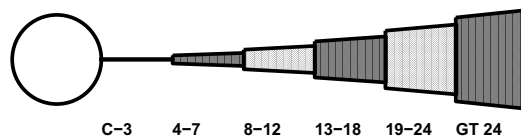
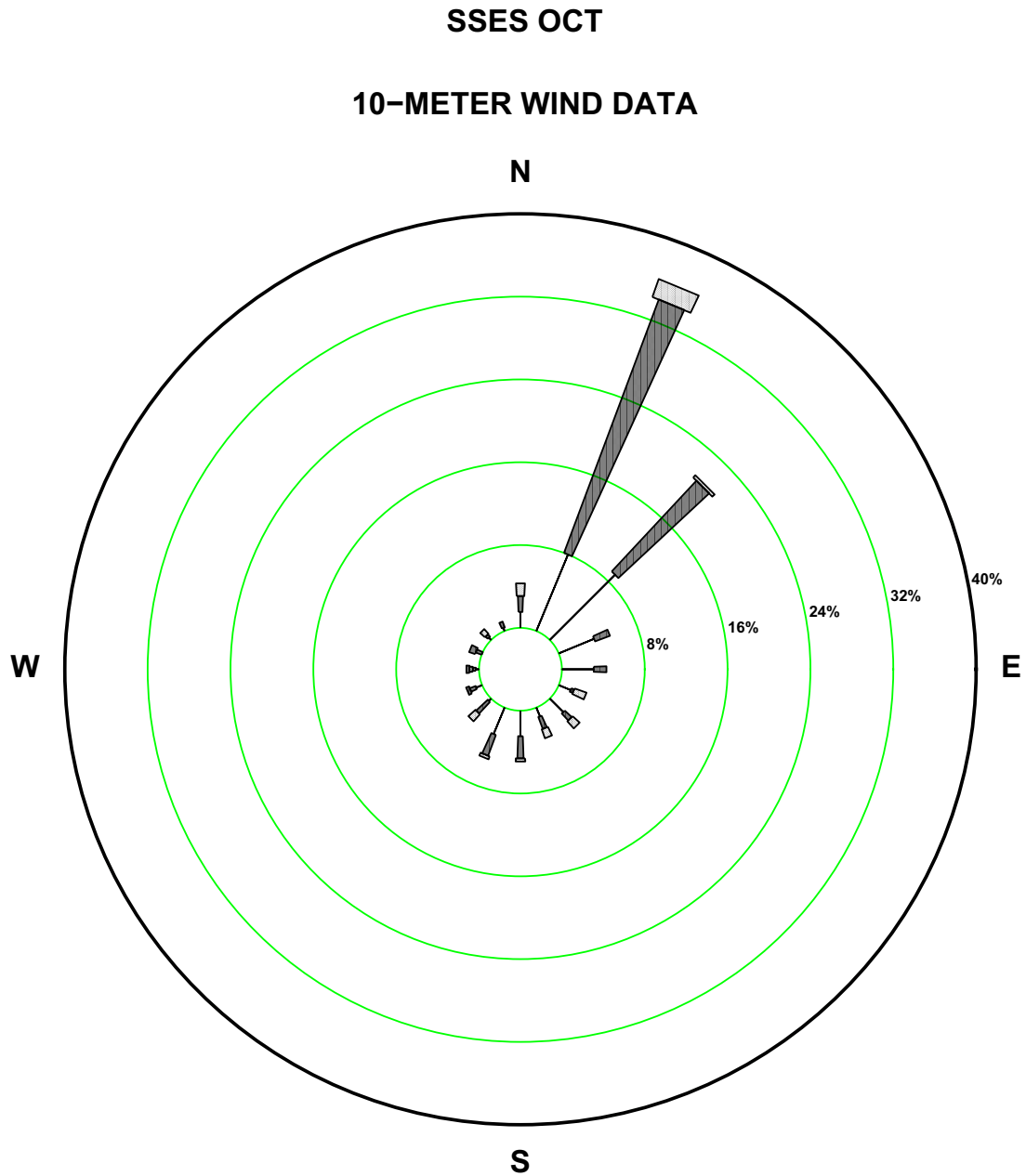


Figure 2.7-14 SSES 10 m October Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.31%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

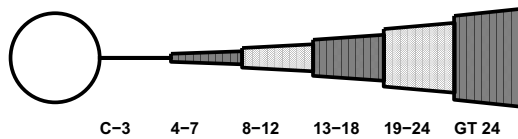
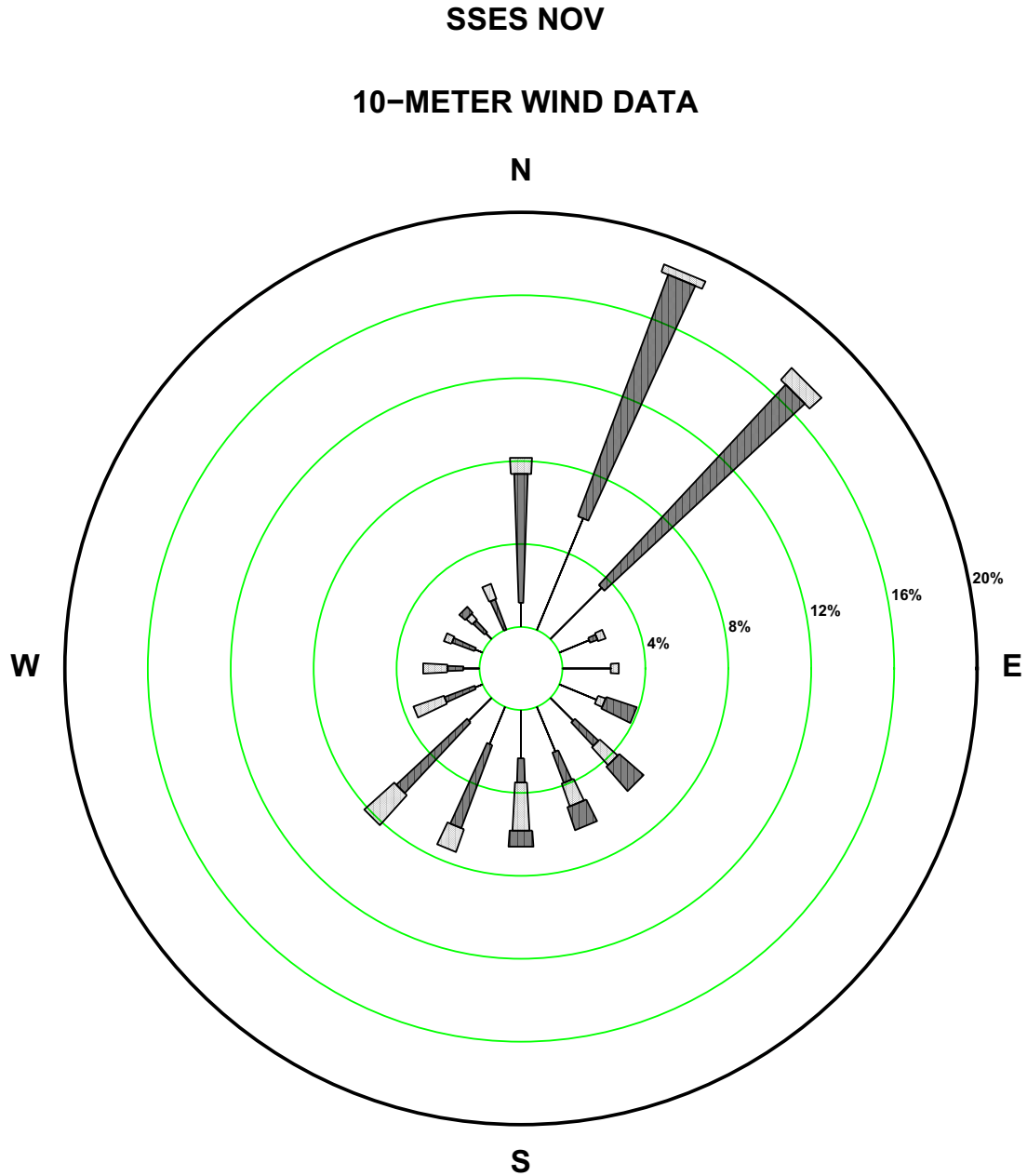


Figure 2.7-15 SSES 10 m November Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

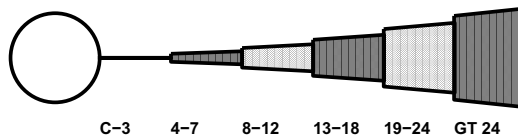
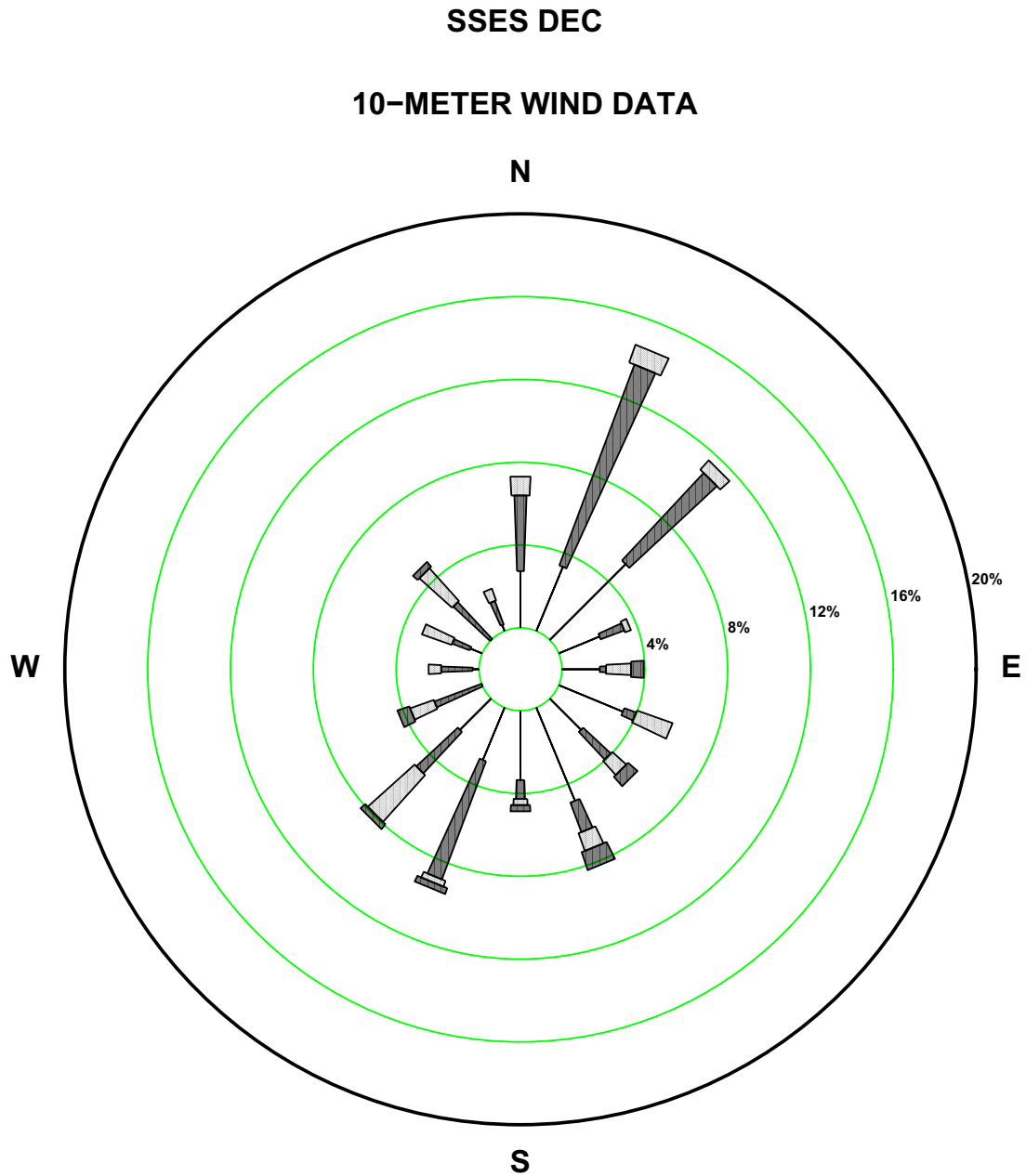


Figure 2.7-16 SSES 10 m December Precipitation Wind Rose

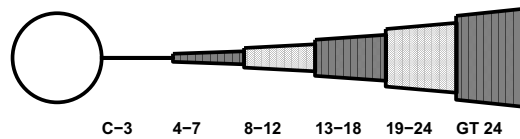


STABILITY CLASS ALL

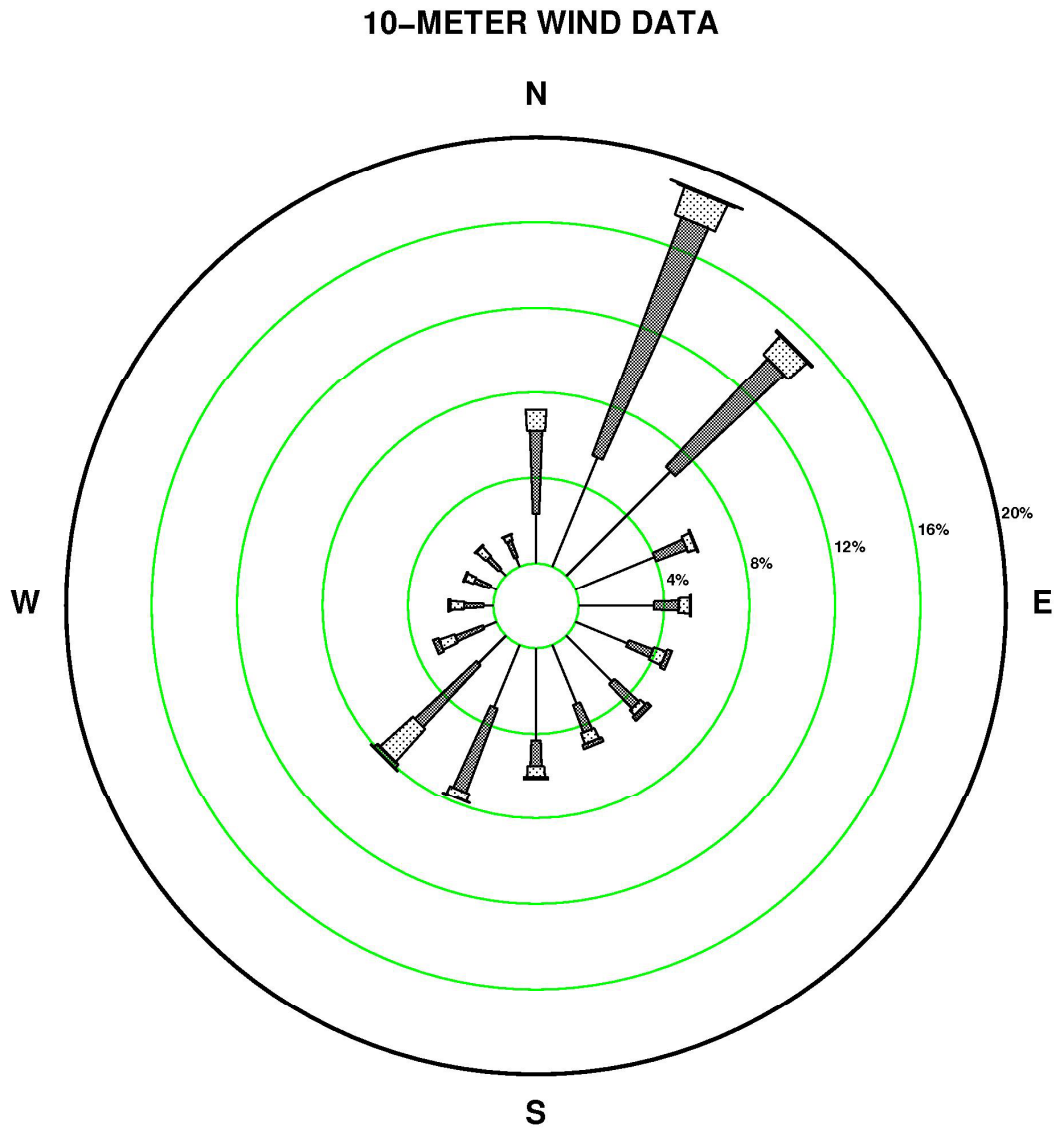
CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.



**Figure 2.7-17 SSES 10 m Annual Precipitation Wind Rose
SSES JAN 2001 – DEC 2006**



STABILITY CLASS ALL
CALM WINDS 0.24%

NOTE: Frequencies indicate
direction from which
the wind is blowing.

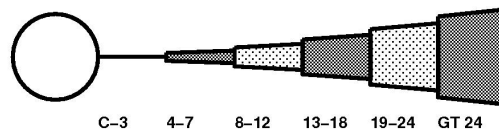
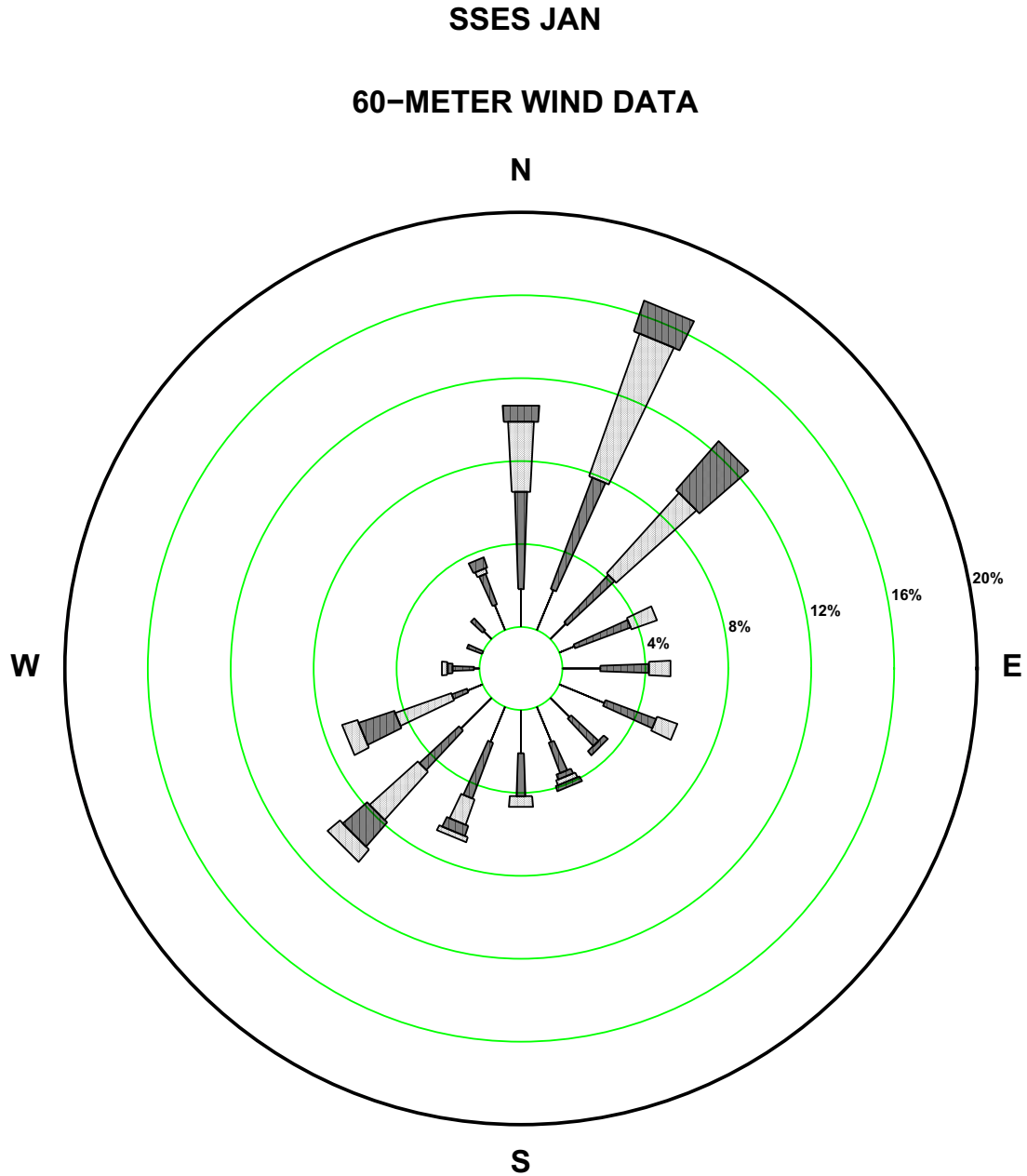


Figure 2.7-18 SSES 60 m January Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

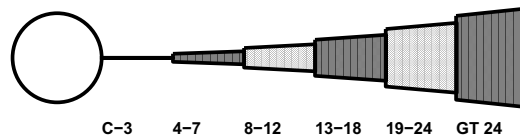
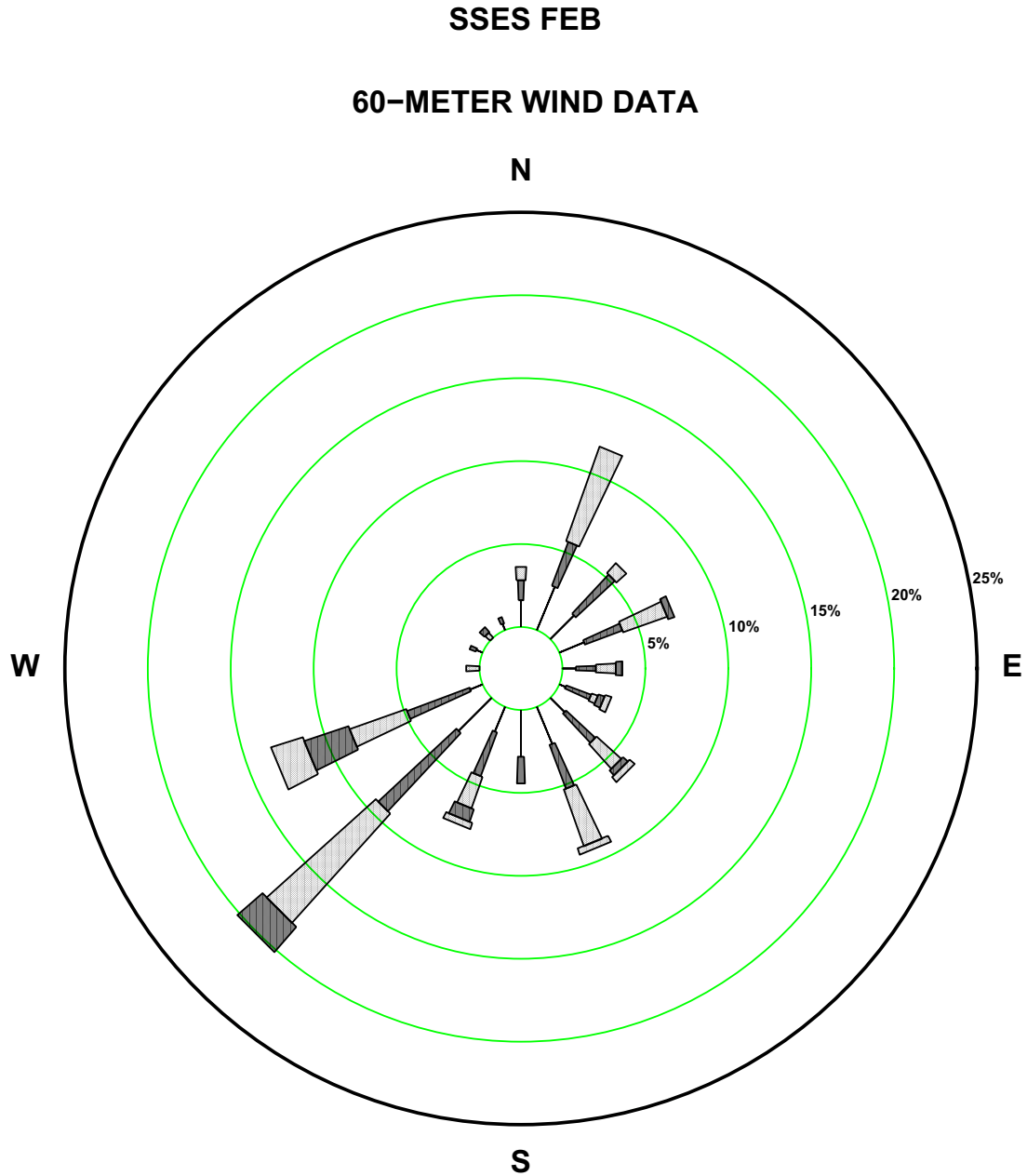


Figure 2.7-19 SSES 60 m February Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

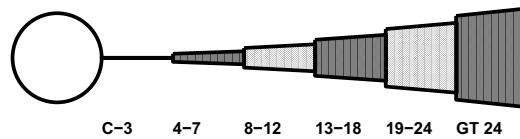
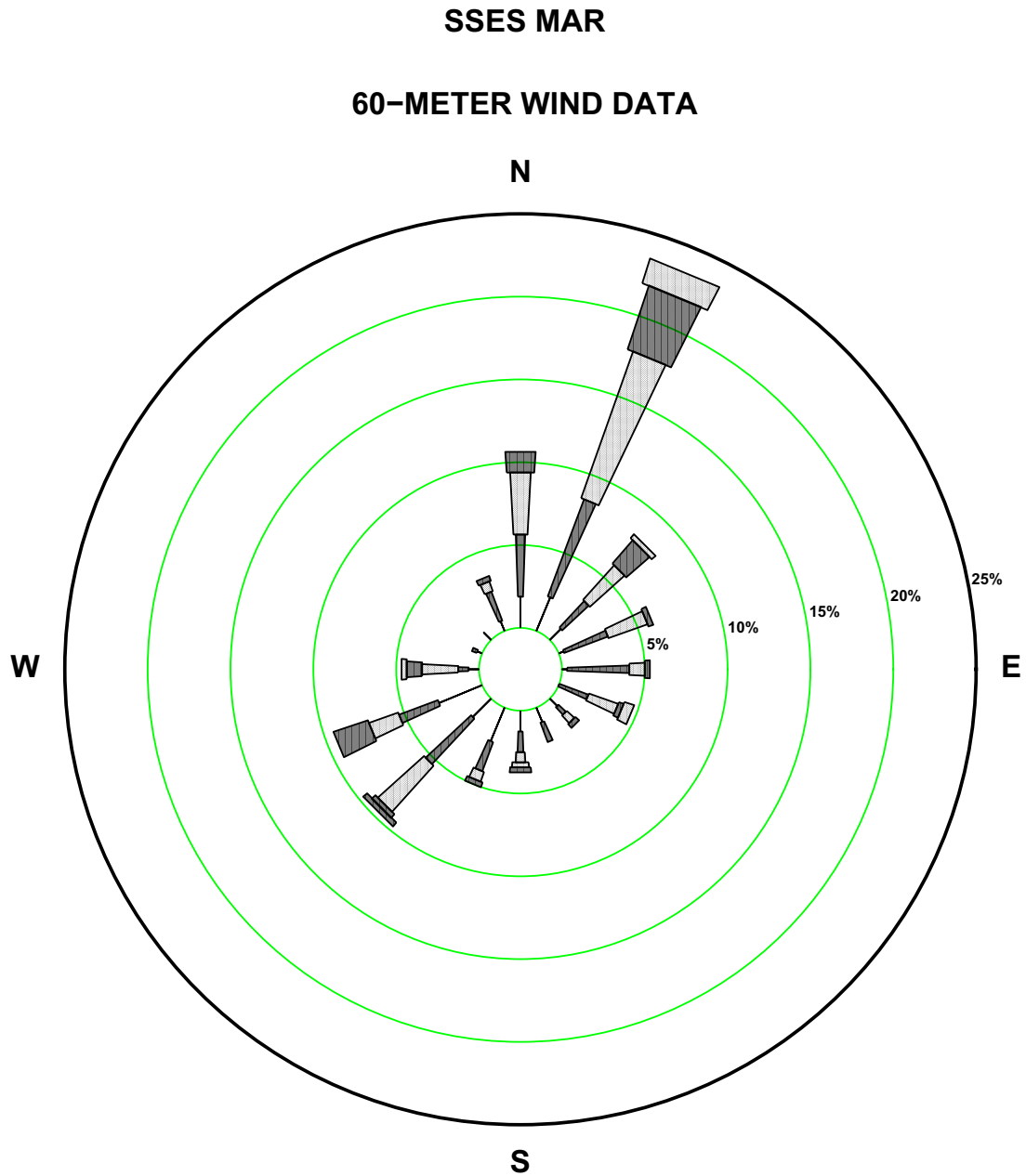


Figure 2.7-20 SSES 60 m March Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

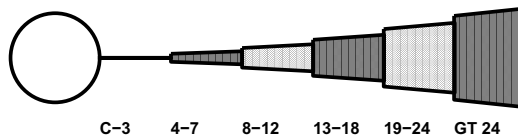
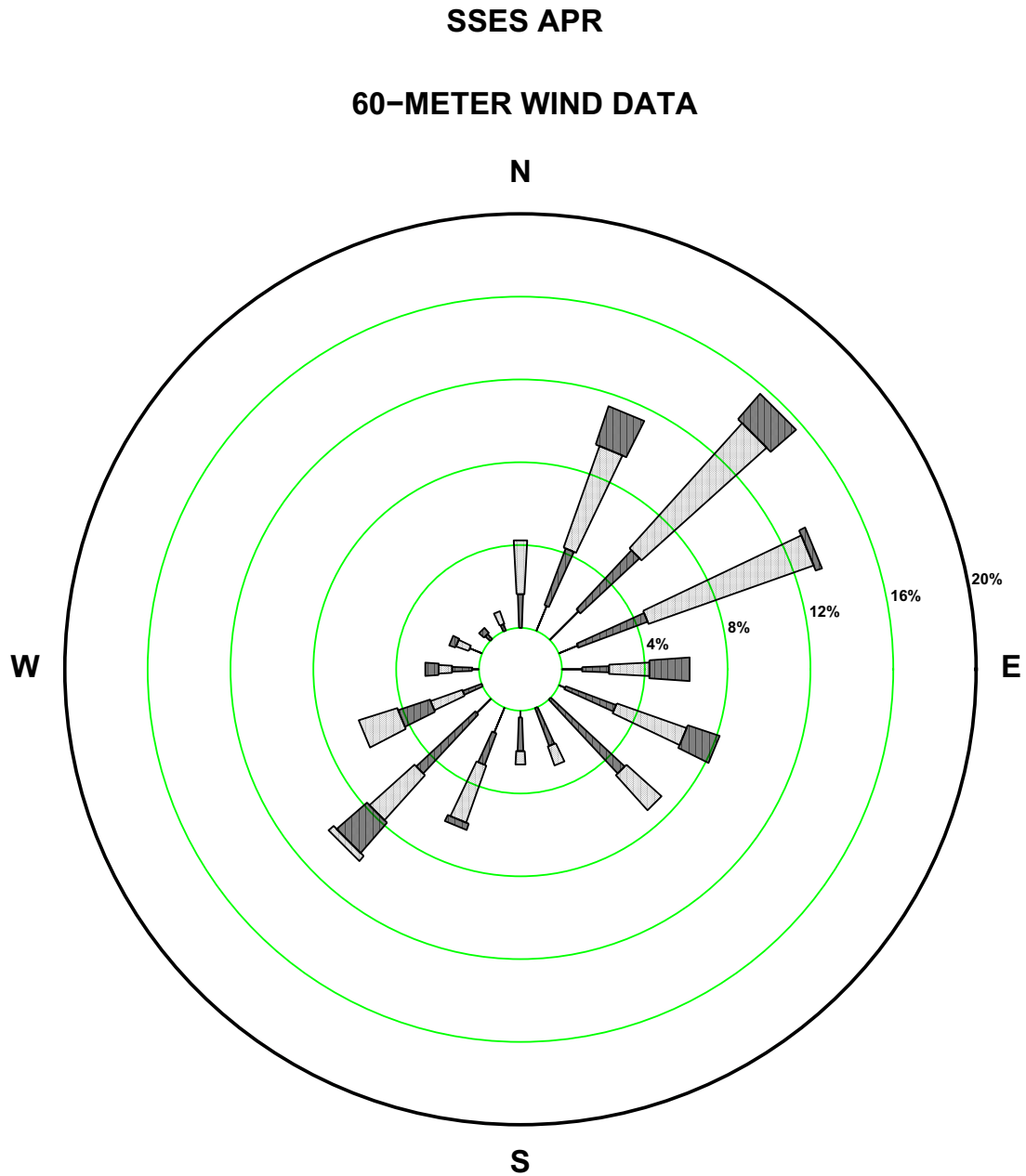


Figure 2.7-21 SSES 60 m April Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

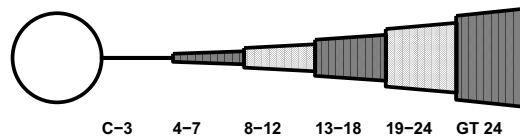
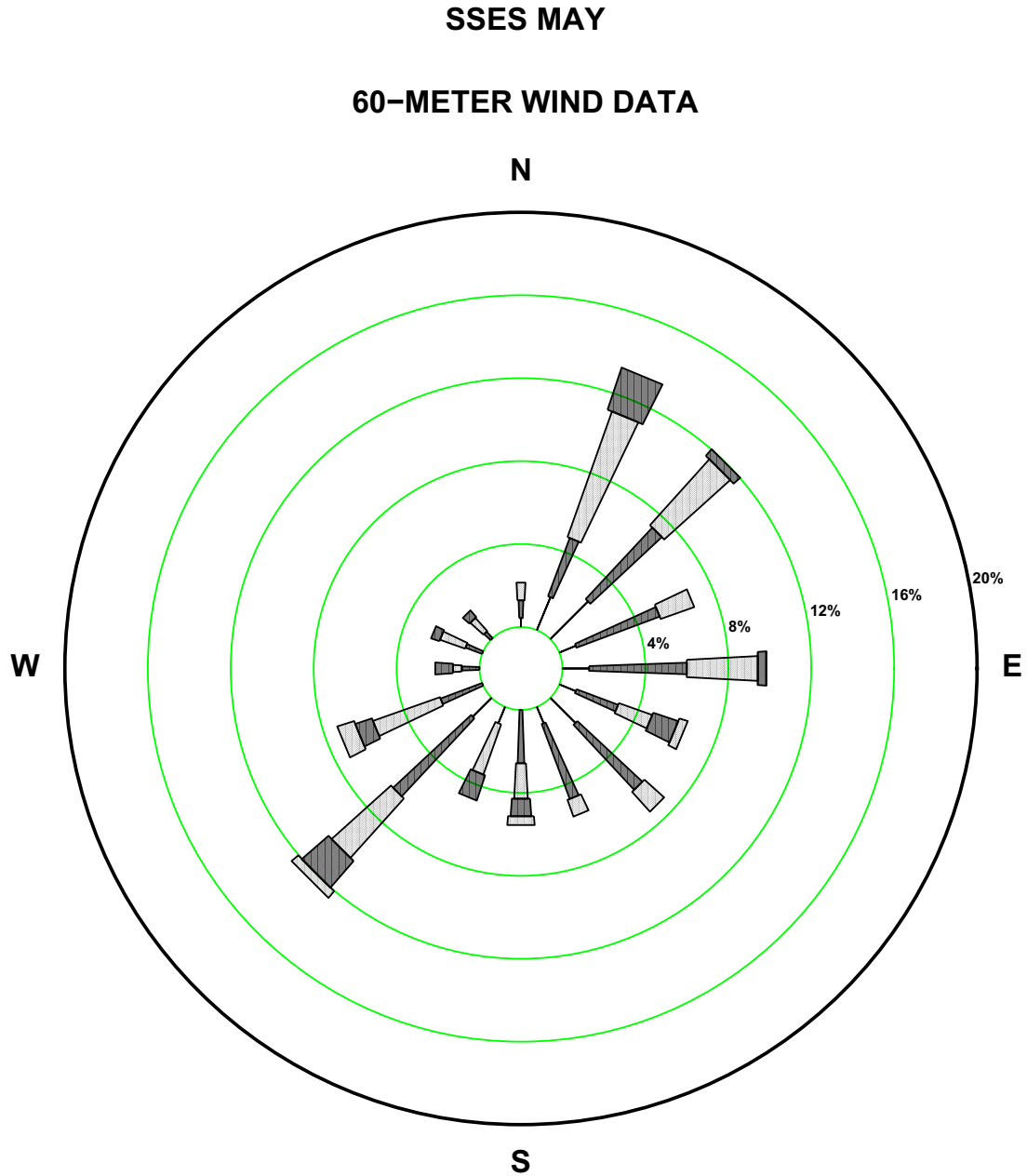


Figure 2.7-22 SSES 60 m May Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

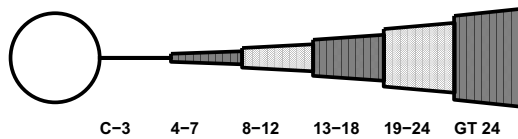
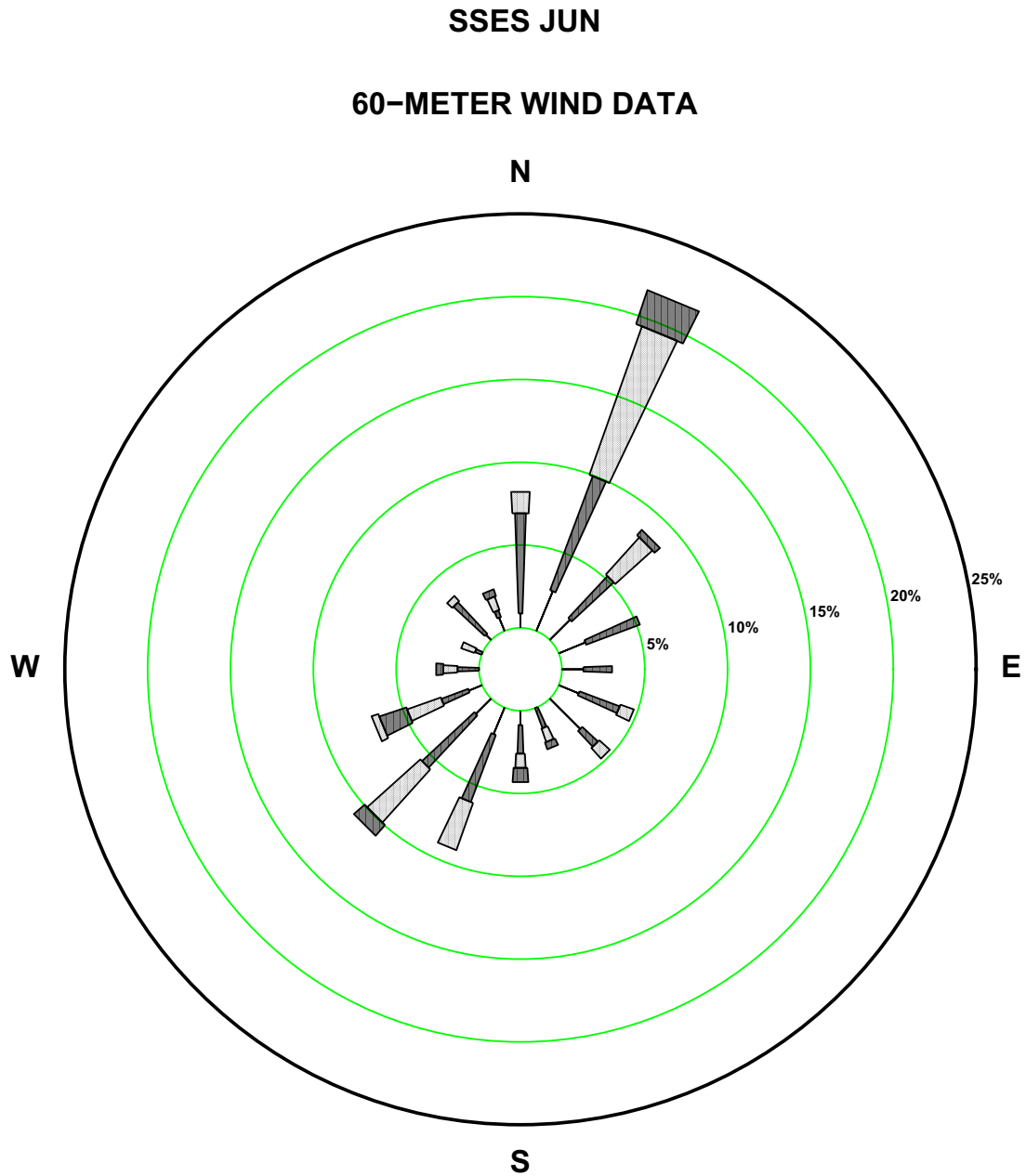


Figure 2.7-23 SSES 60 m June Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

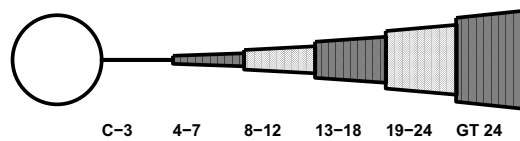
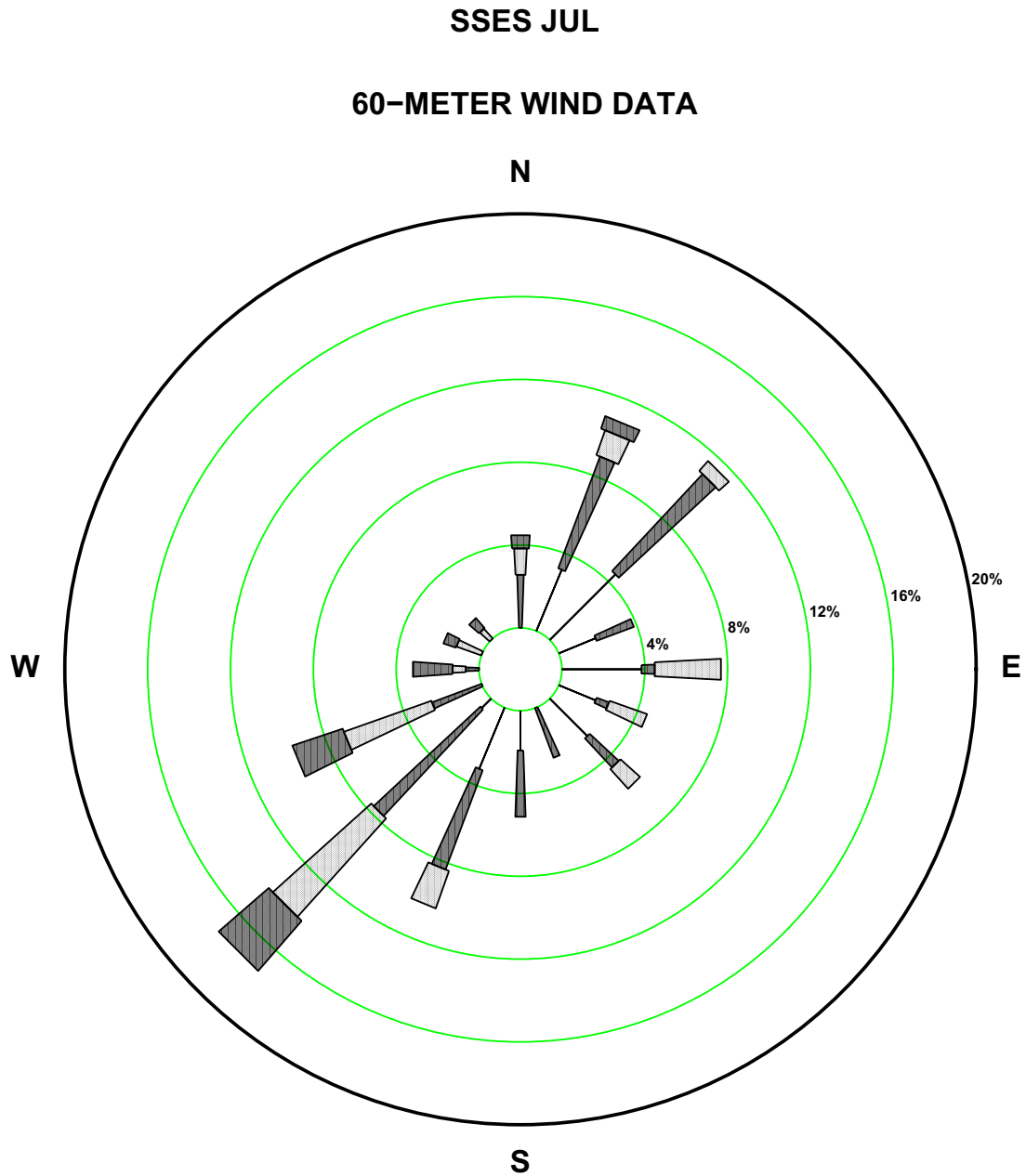


Figure 2.7-24 SSES 60 m July Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

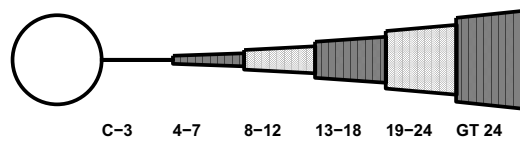
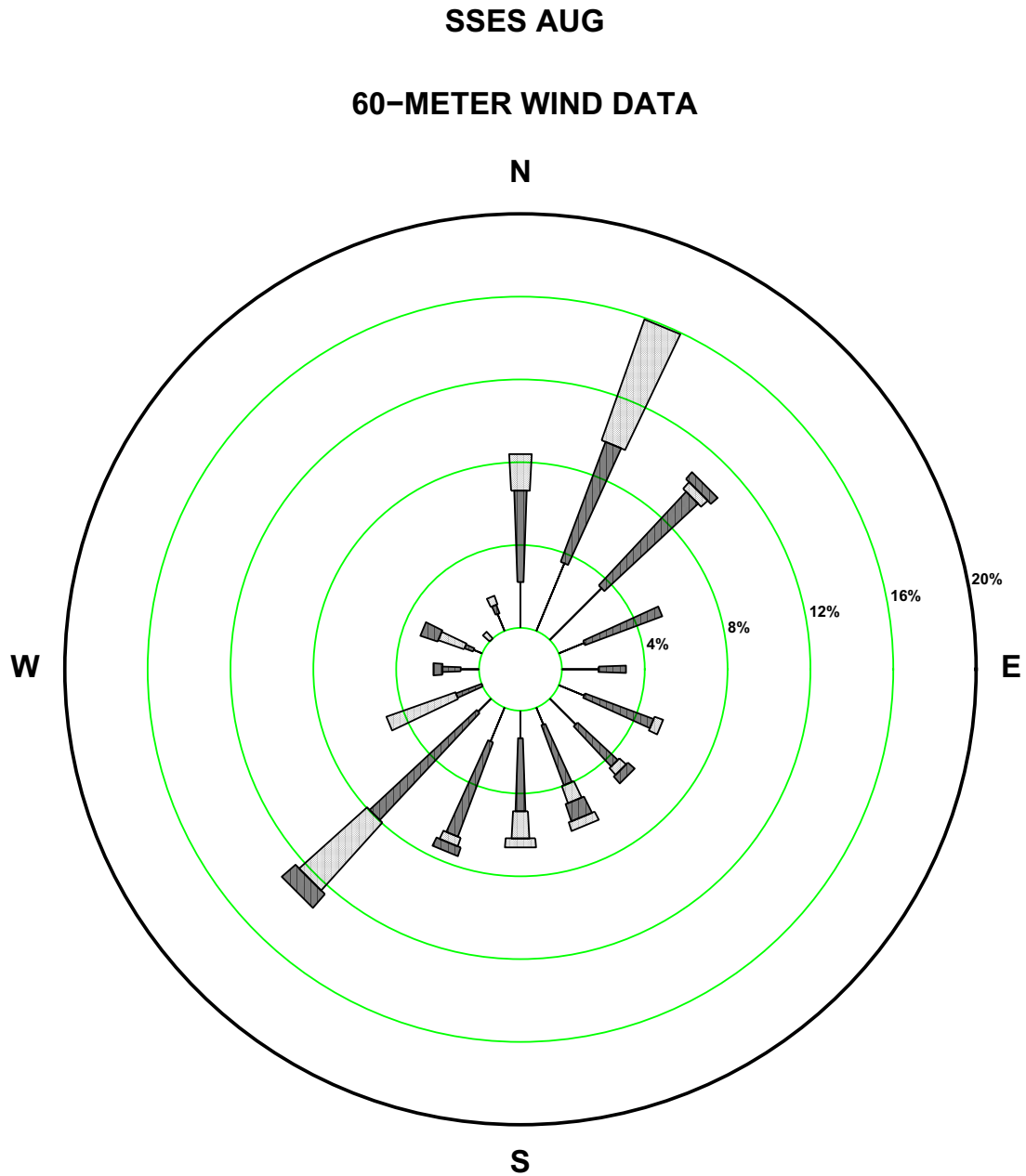


Figure 2.7-25 SSES 60 m August Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

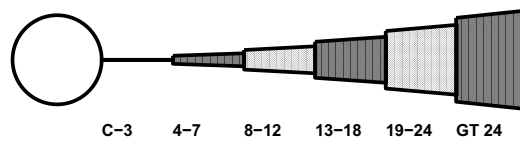
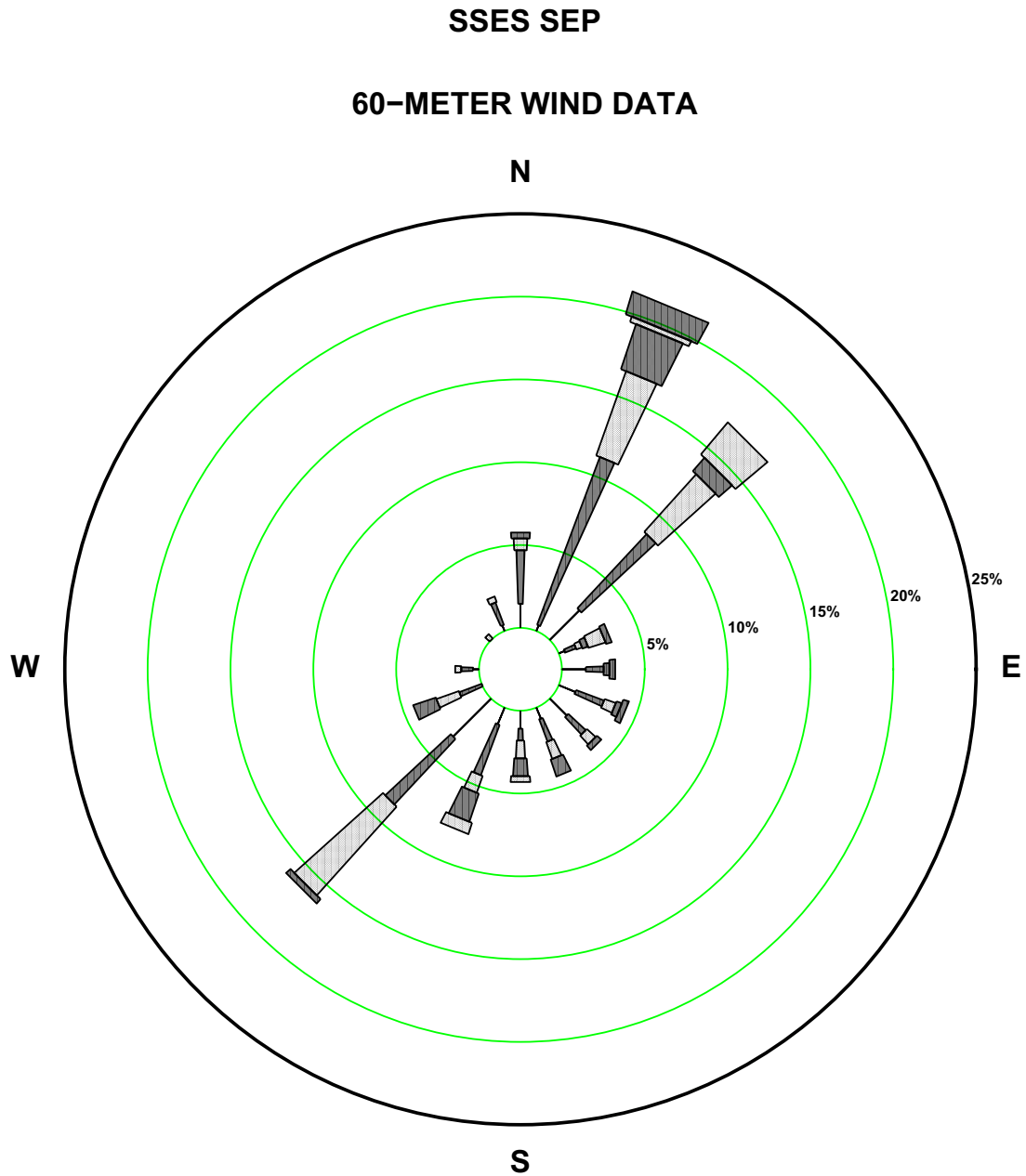


Figure 2.7-26 SSES 60 m September Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

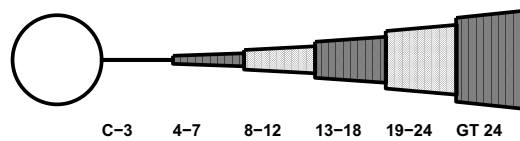
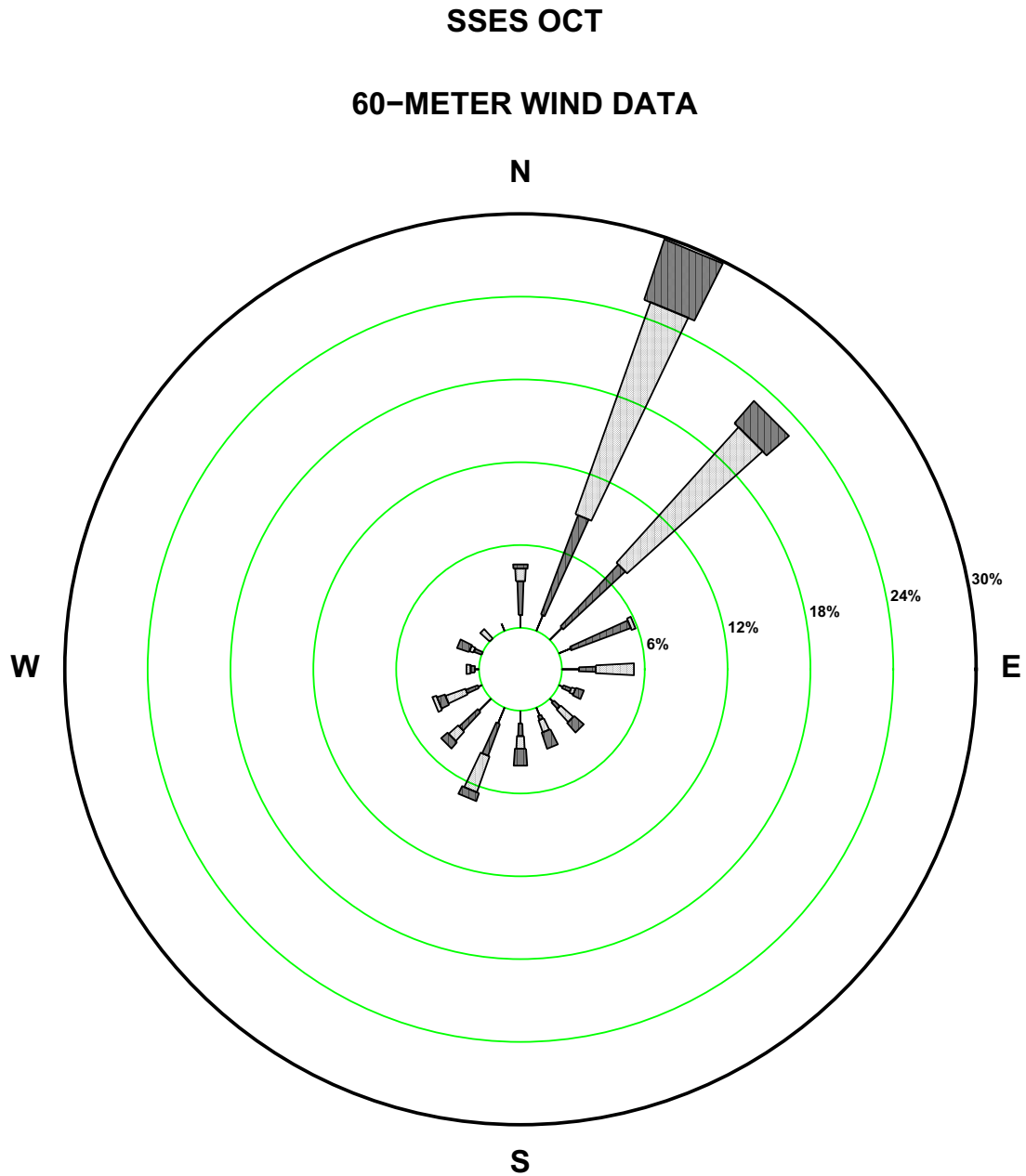


Figure 2.7-27 SSES 60 m October Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

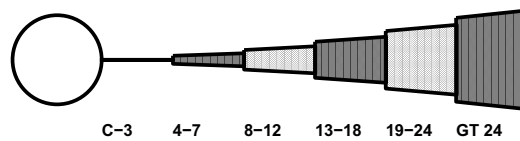
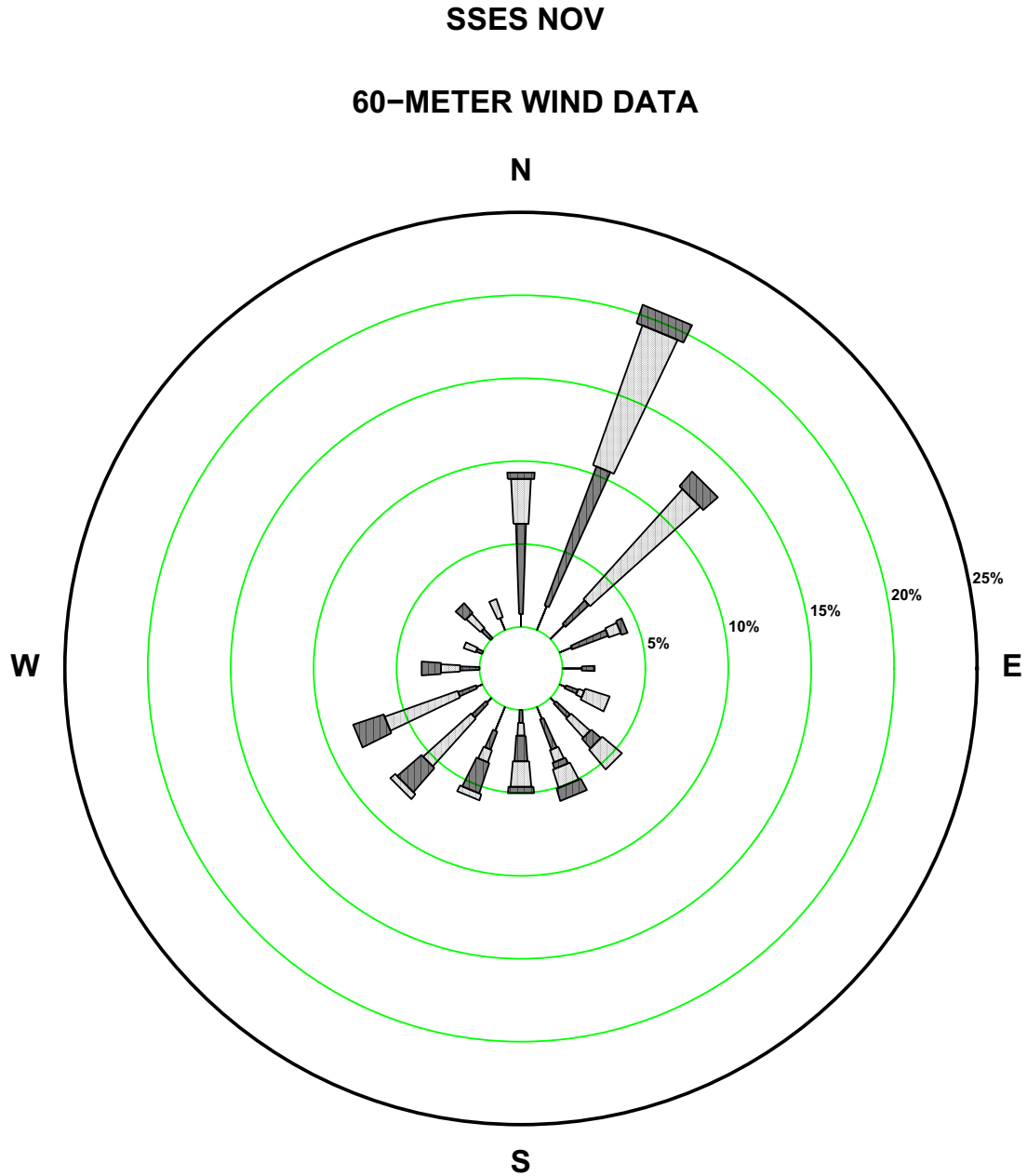


Figure 2.7-28 SSES 60 m November Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

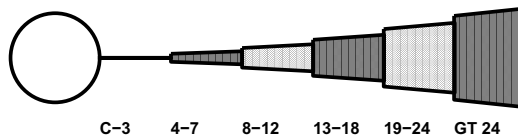
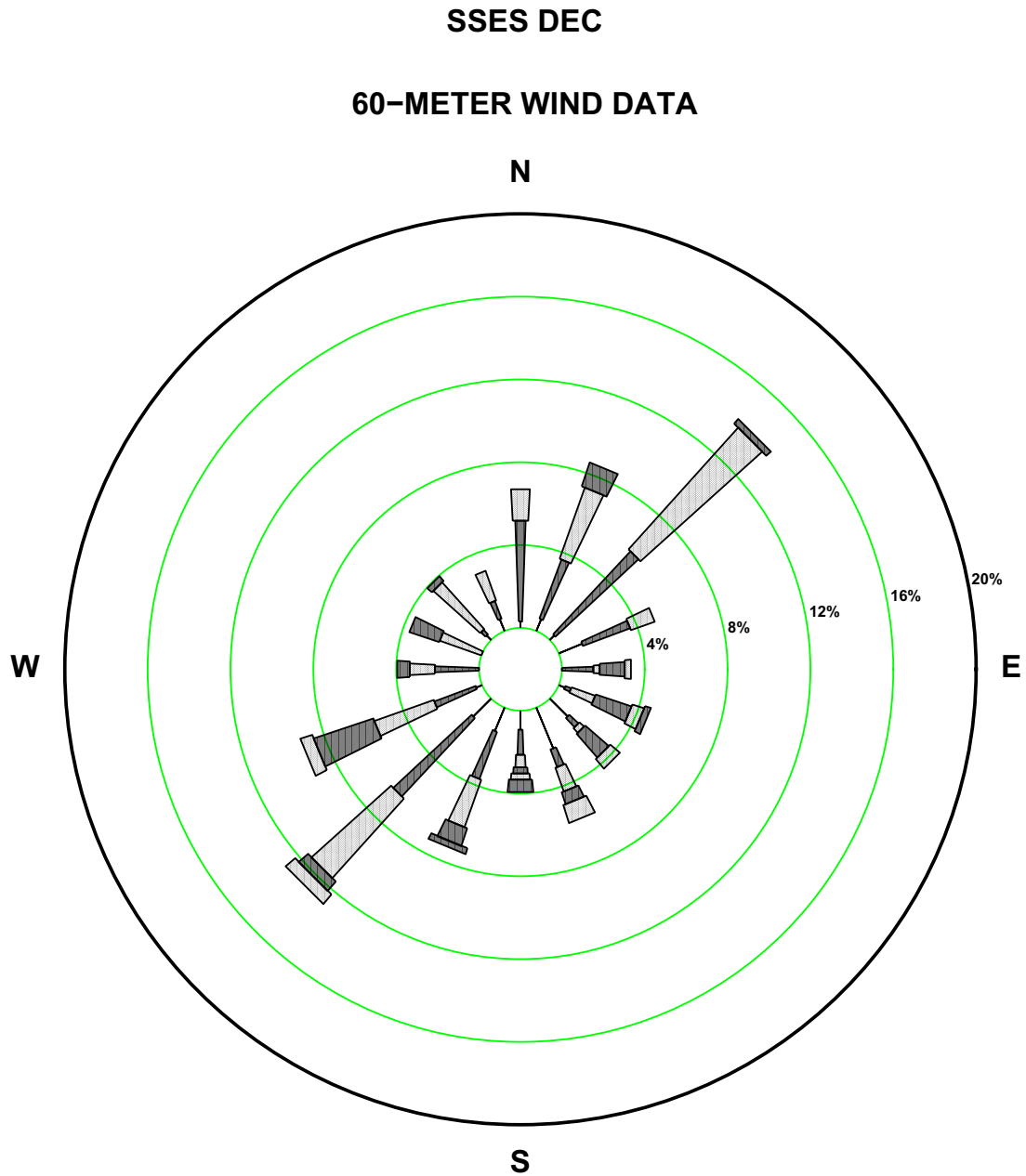


Figure 2.7-29 SSES 60 m December Precipitation Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

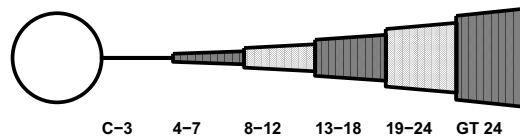
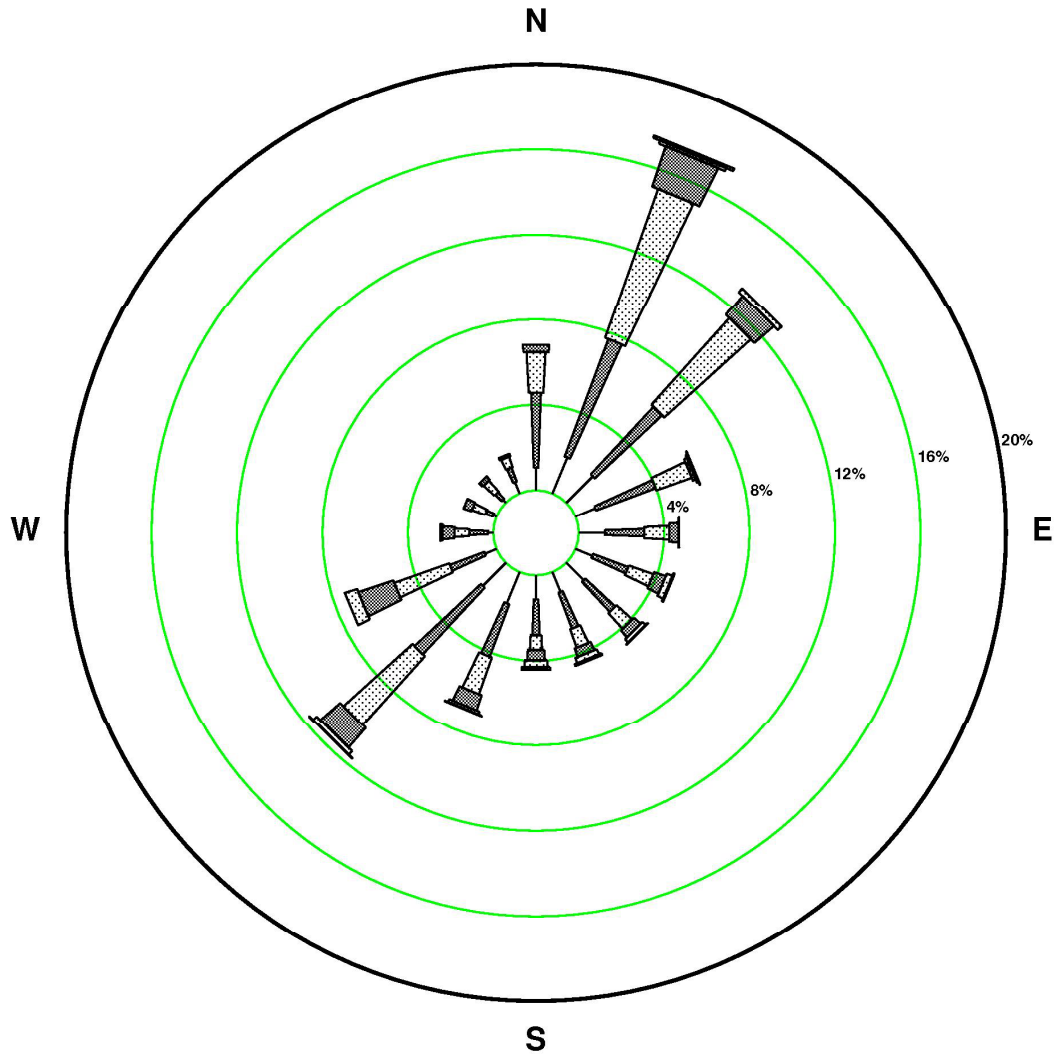


Figure 2.7-30 SSES 60 m Annual Precipitation Wind Rose

SSES JAN 2001 – DEC 2006

60-METER WIND DATA



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

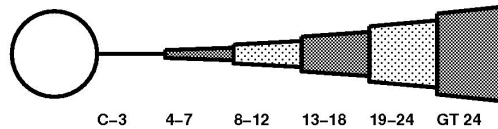
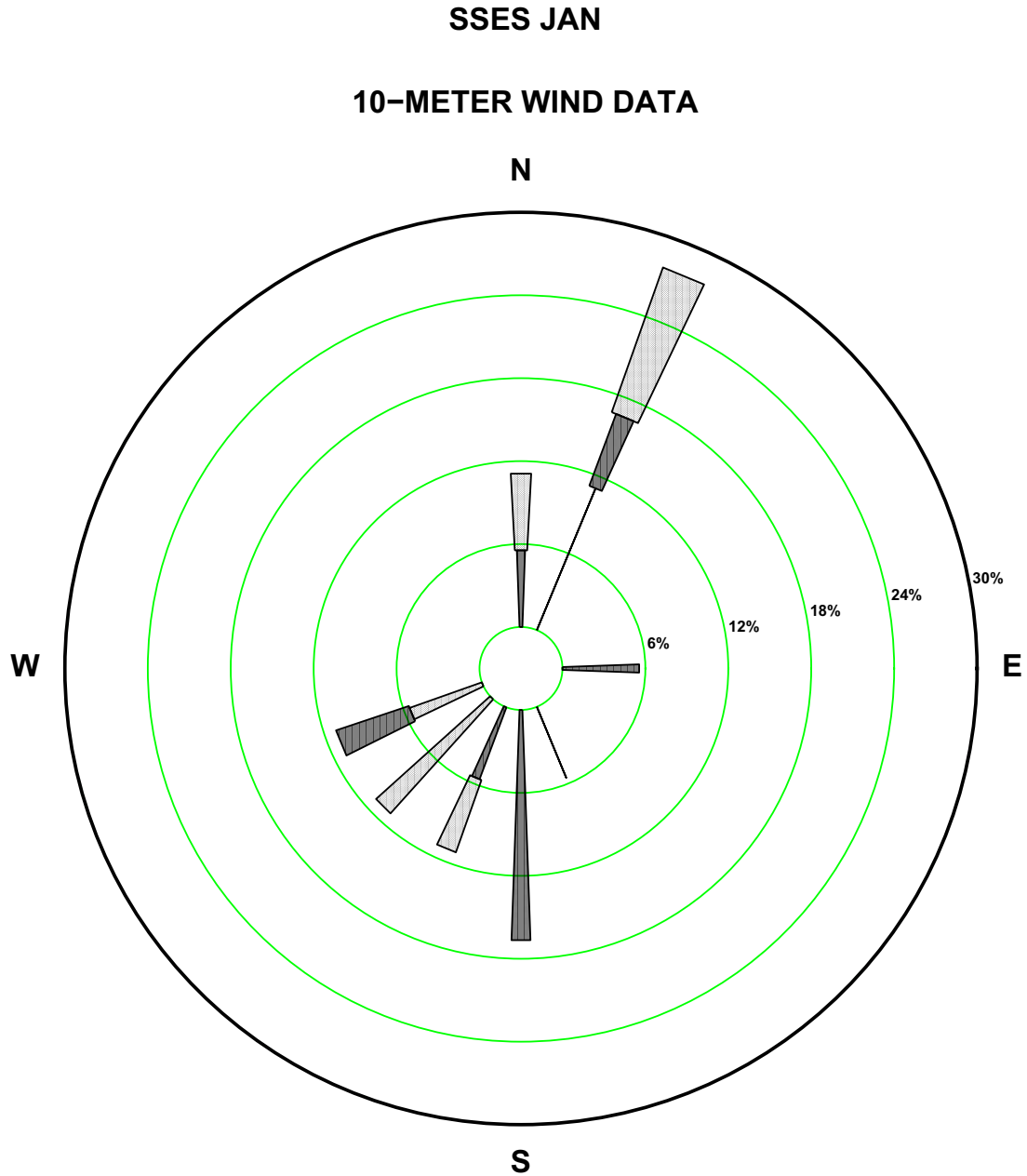


Figure 2.7-31 SSES 10 m January Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

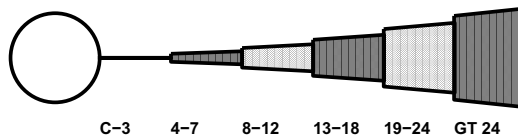
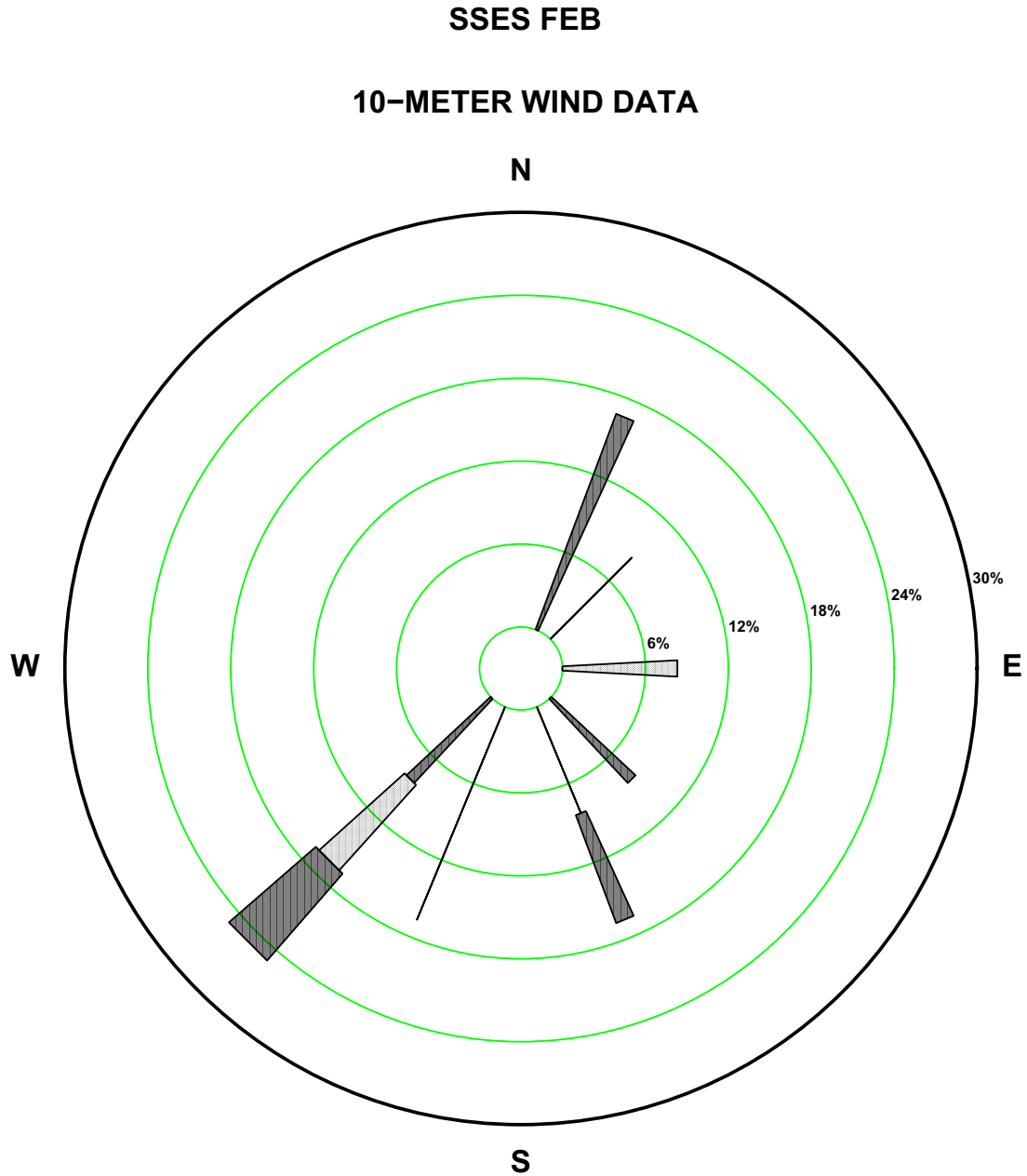


Figure 2.7-32 SSES 10 m February Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

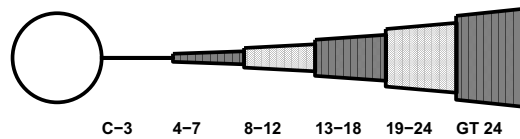


Figure 2.7-33 SSES 10 m March Precipitation Rate Wind Rose

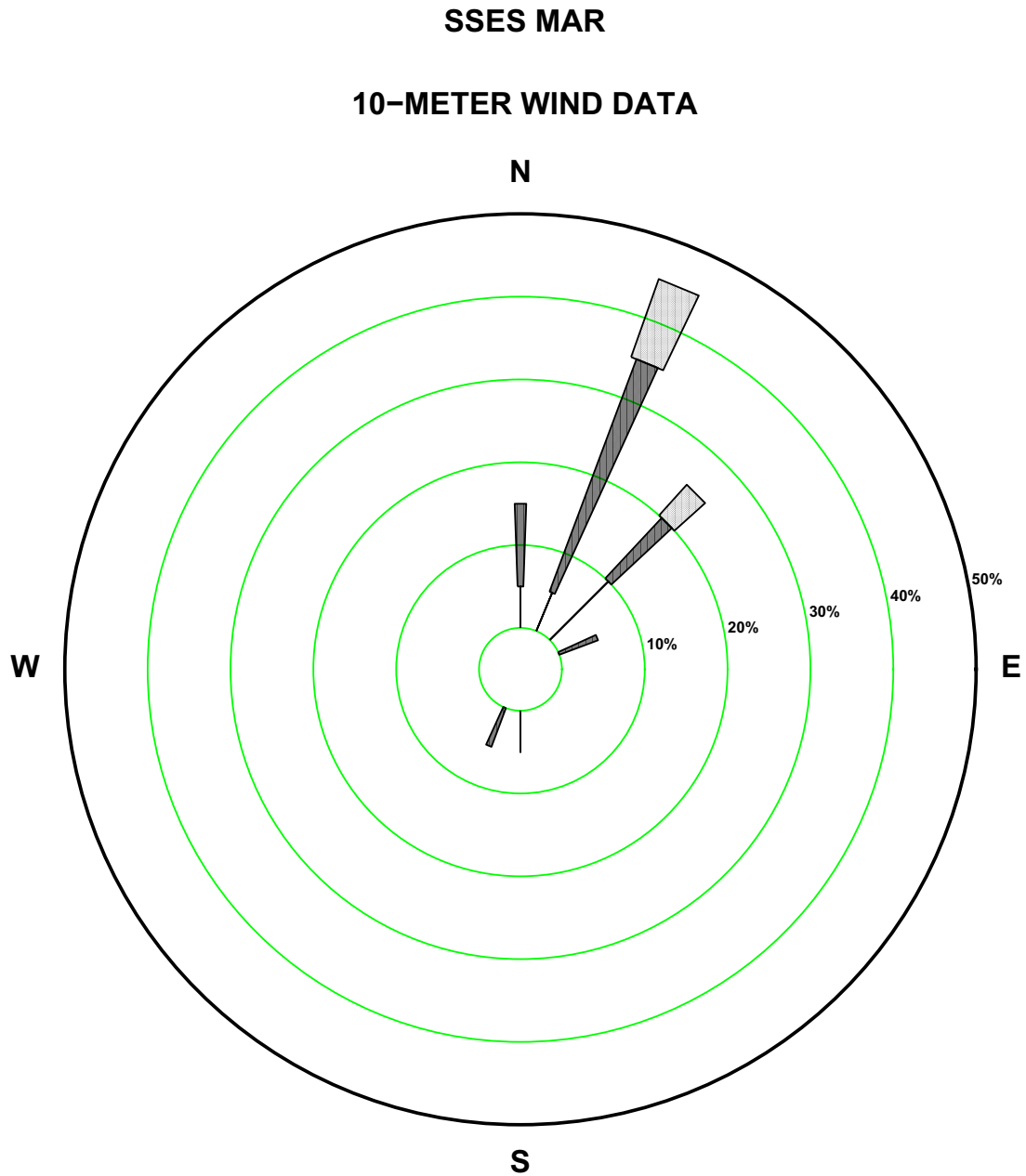
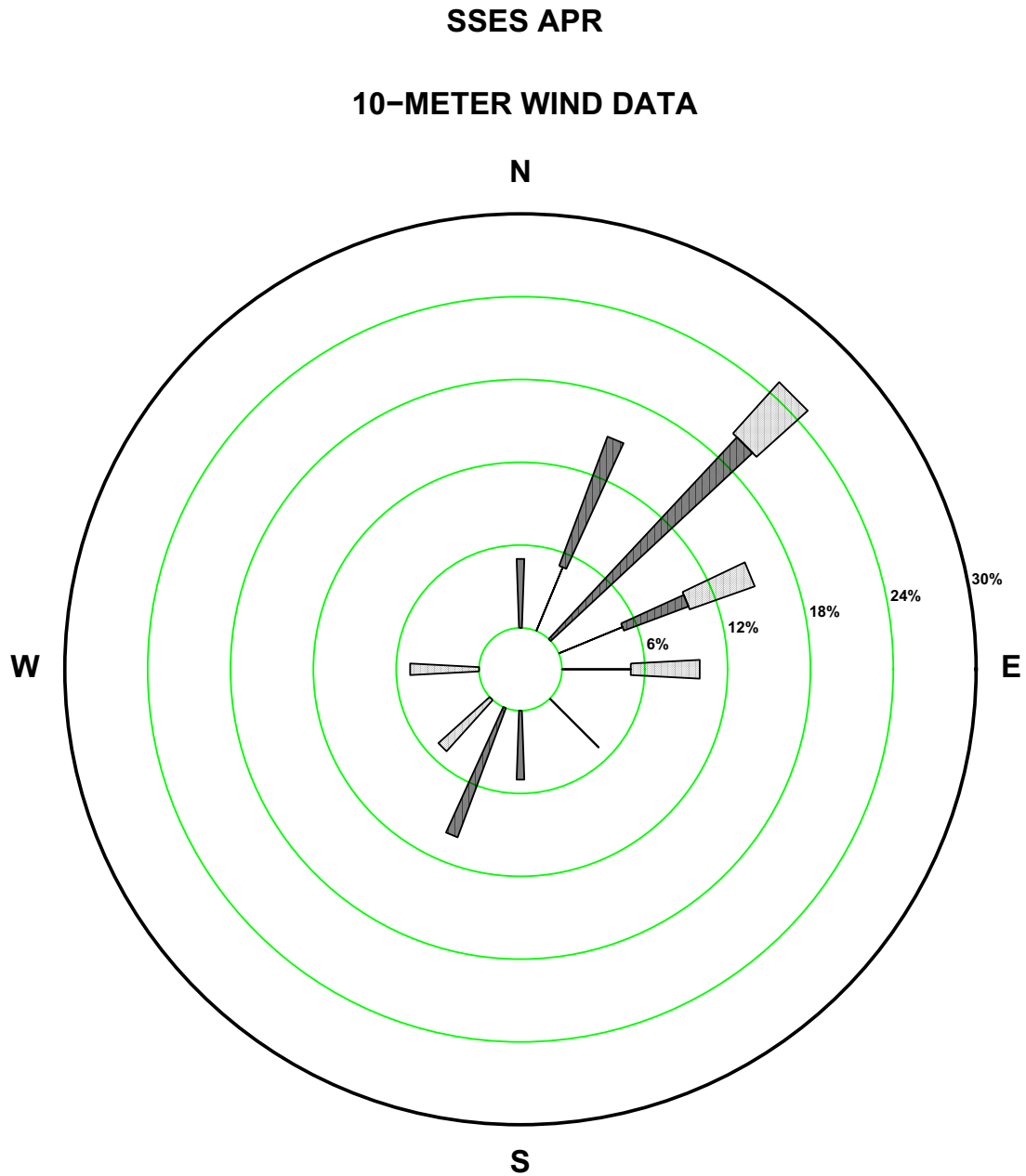


Figure 2.7-34 SSES 10 m April Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

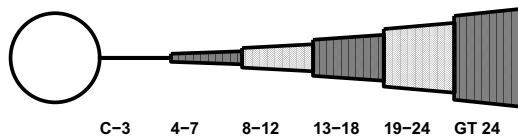
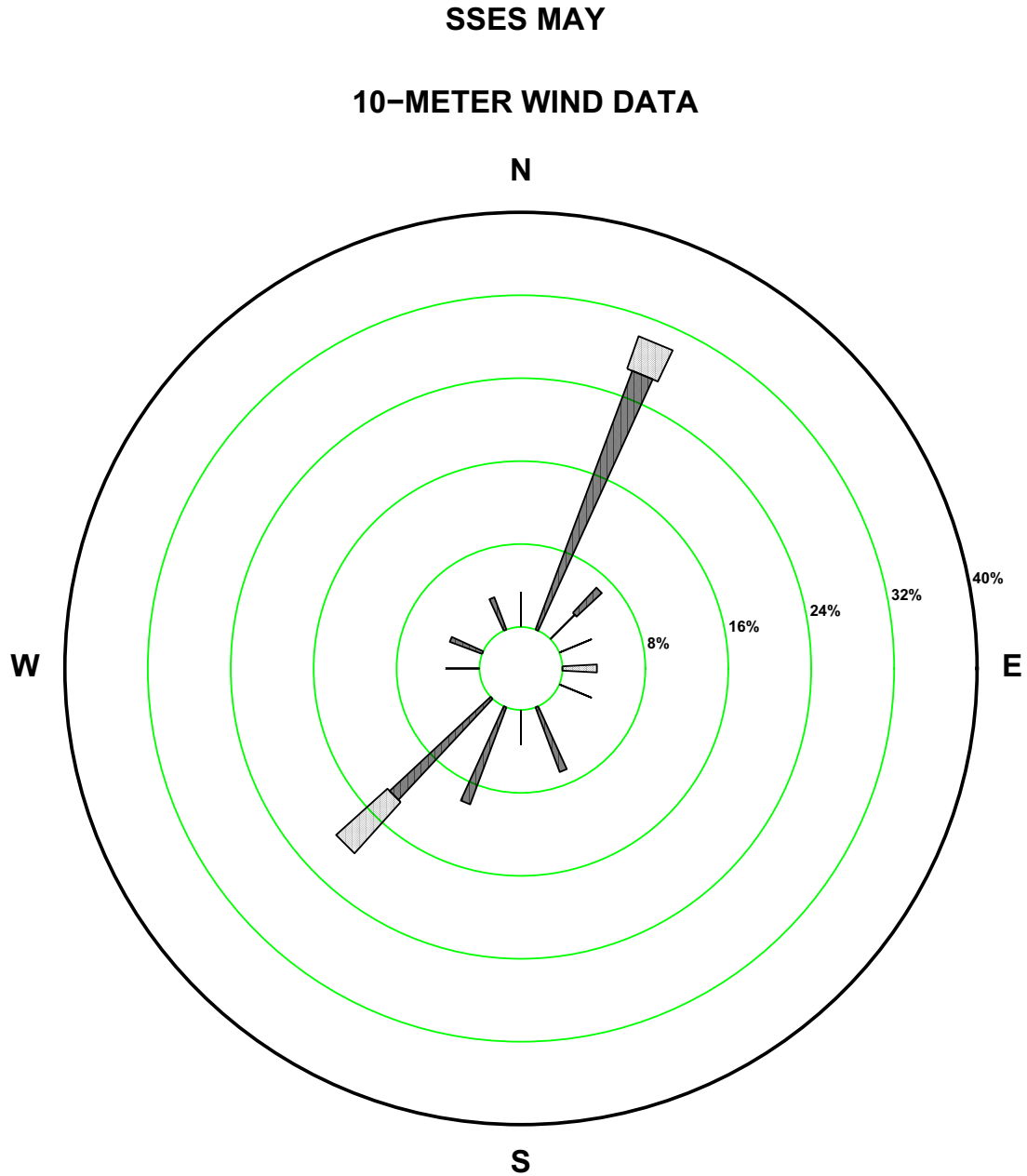


Figure 2.7-35 SSES 10 m May Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

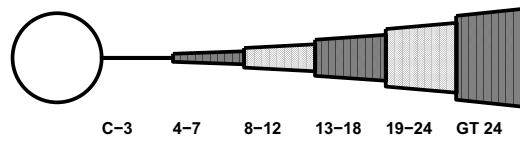
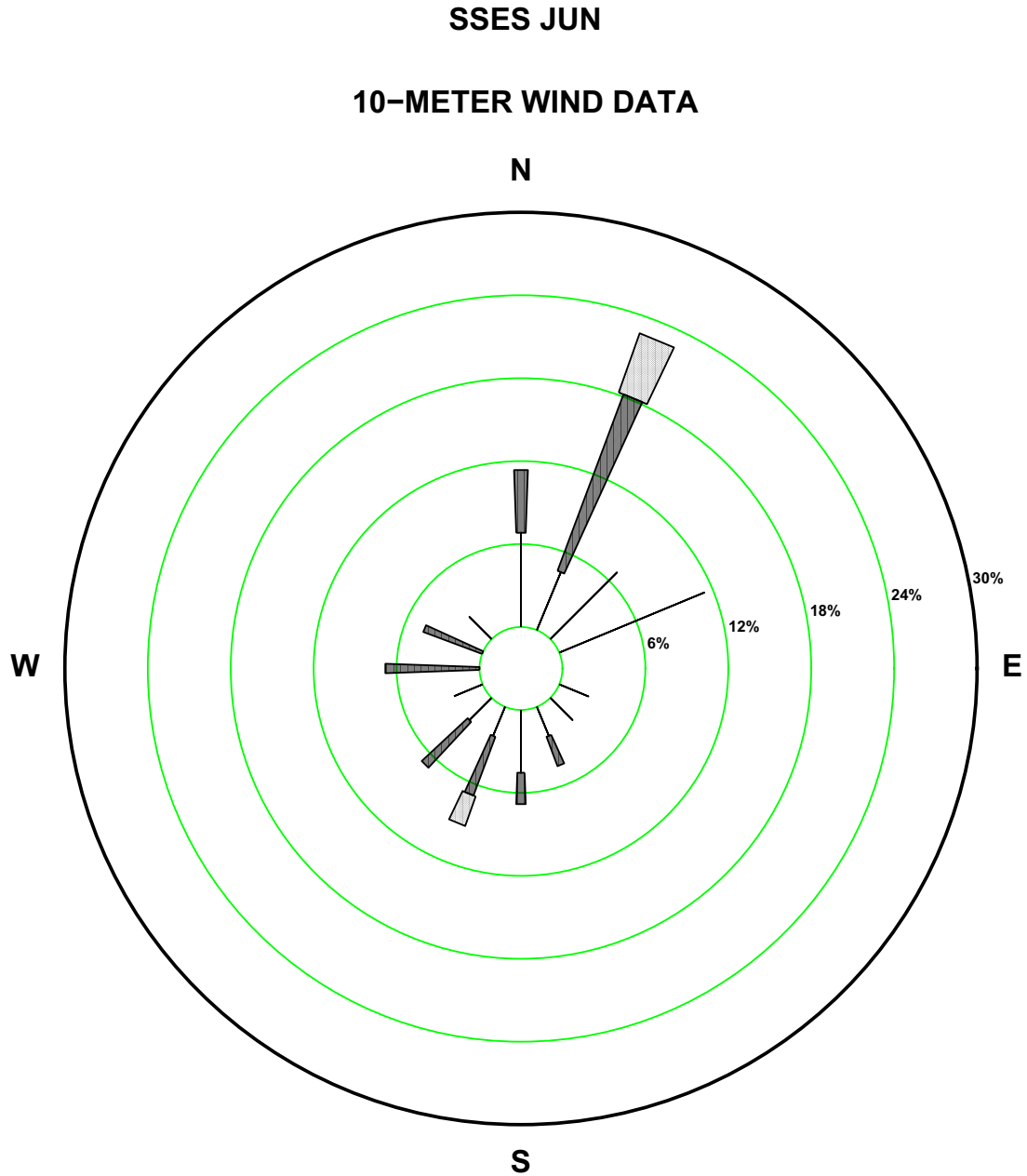


Figure 2.7-36 SSES 10 m June Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

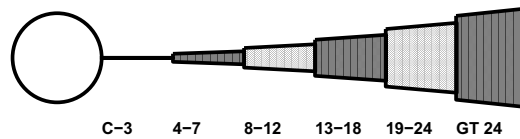
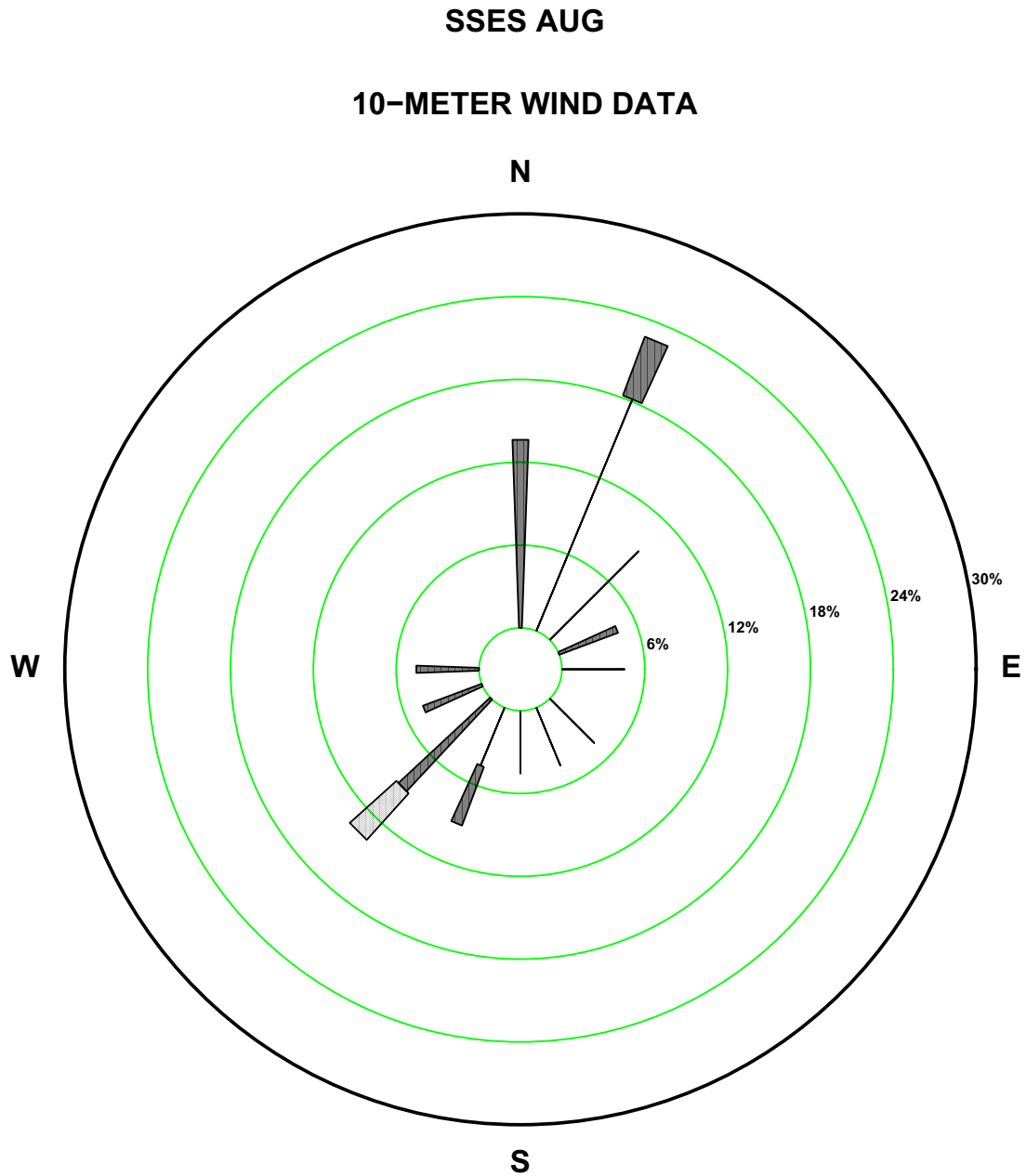


Figure 2.7-38 SSES 10 m August Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

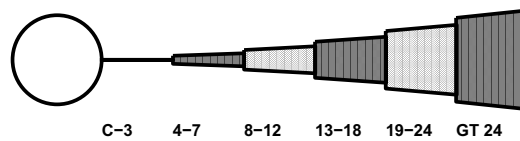
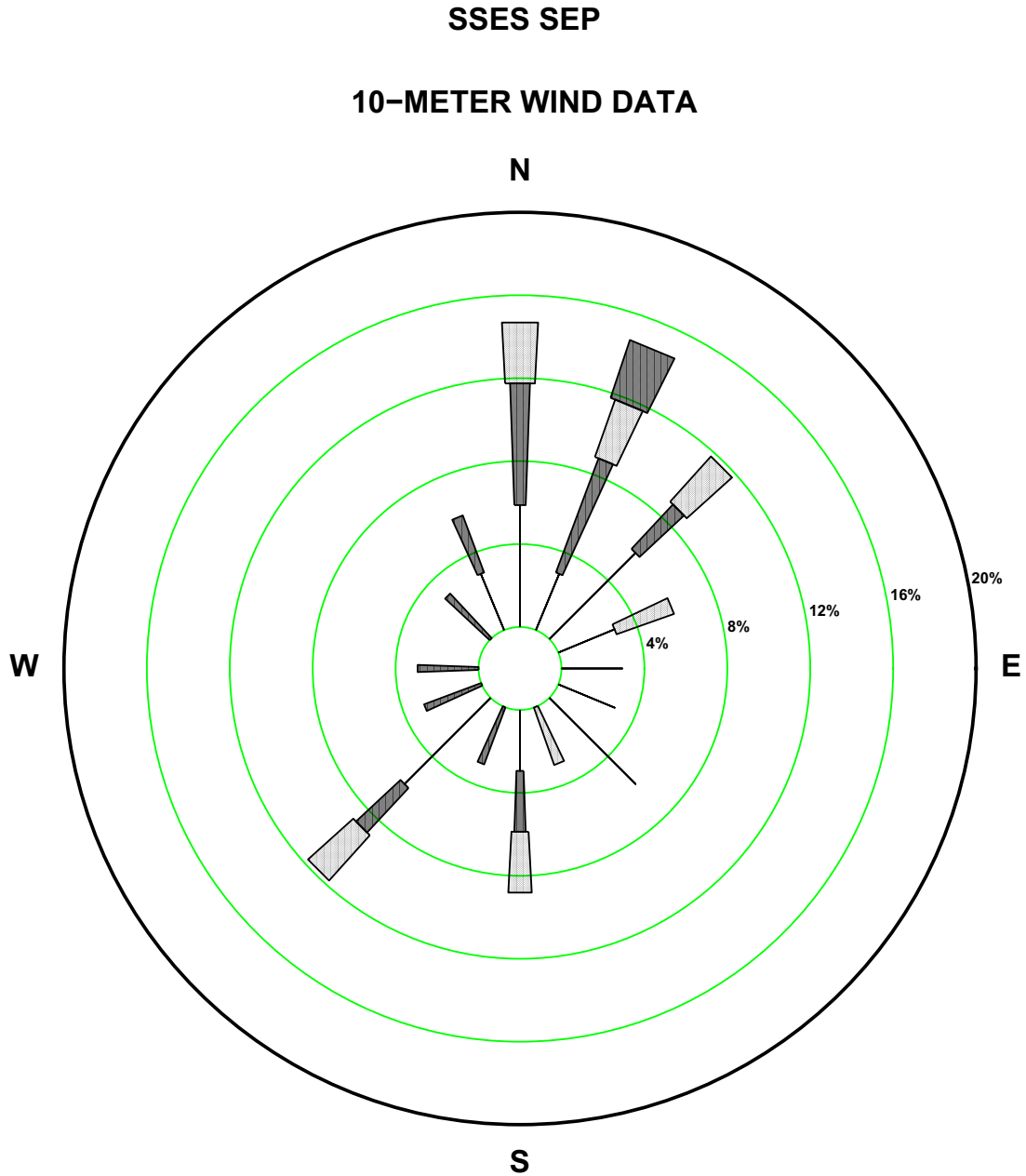


Figure 2.7-39 SSES 10 m September Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

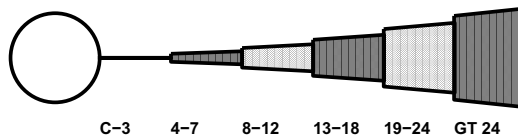
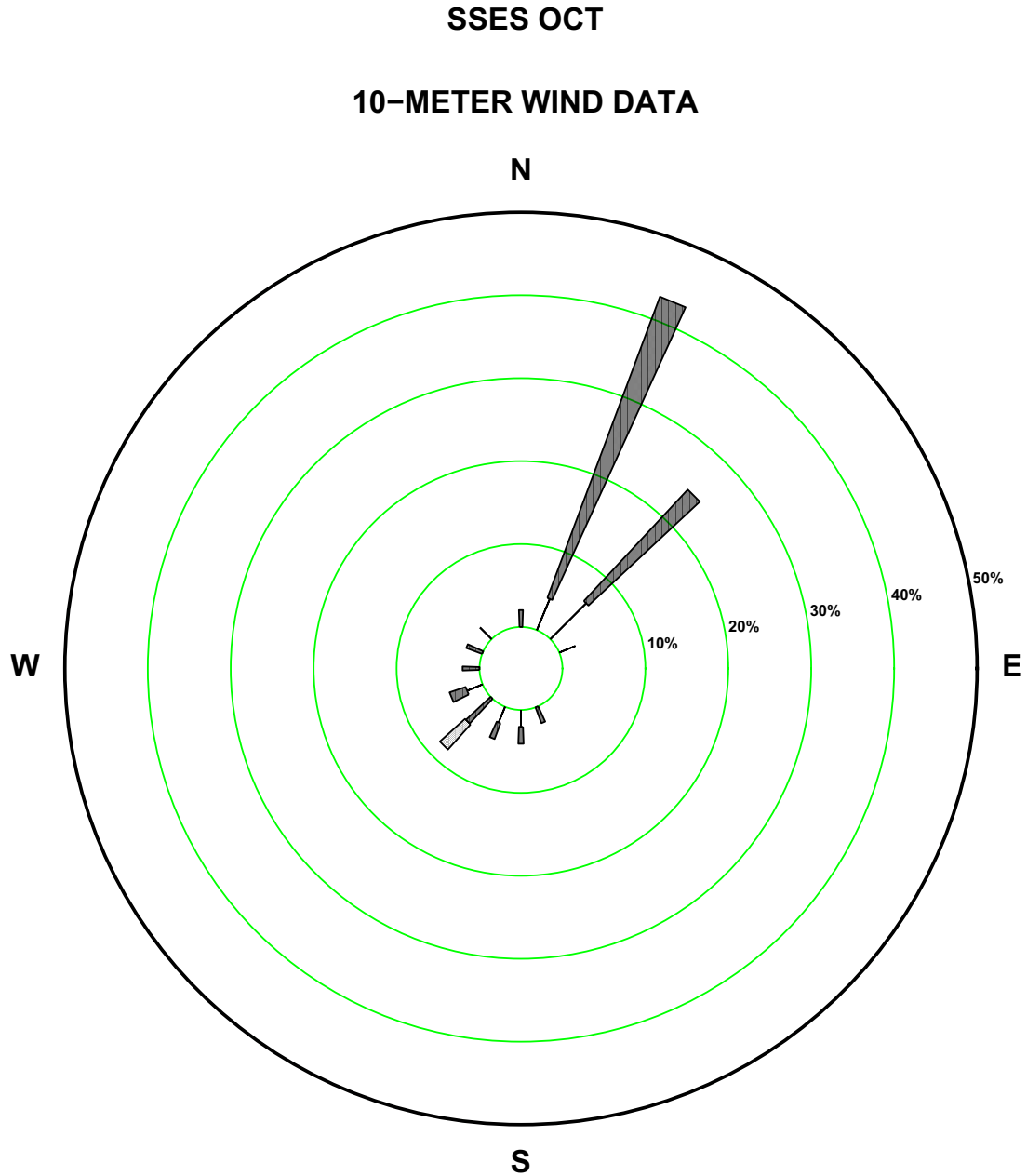


Figure 2.7-40 SSES 10 m October Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

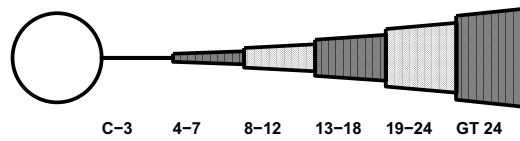
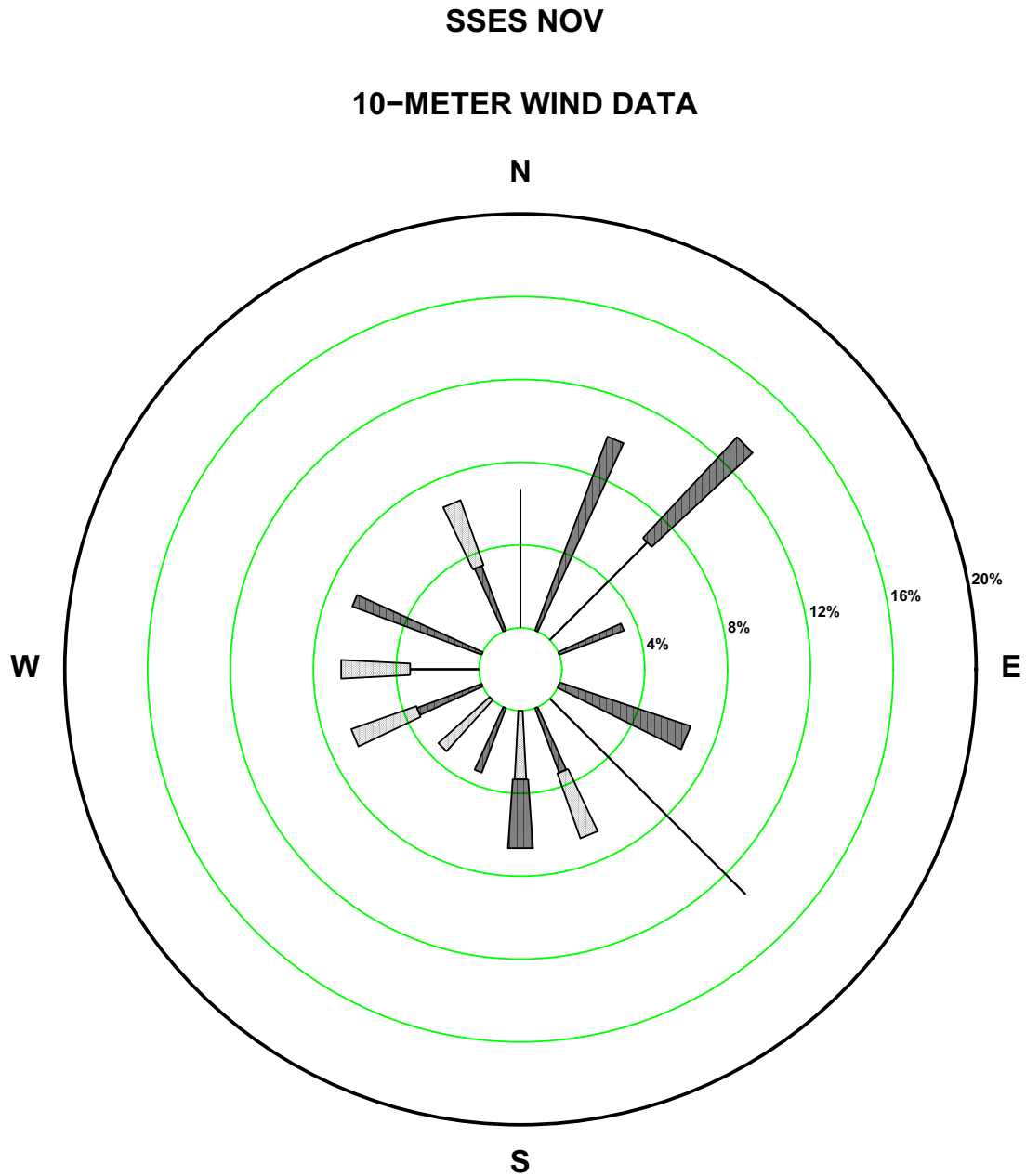


Figure 2.7-41 SSES 10 m November Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

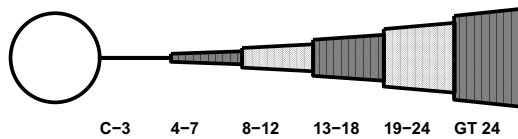
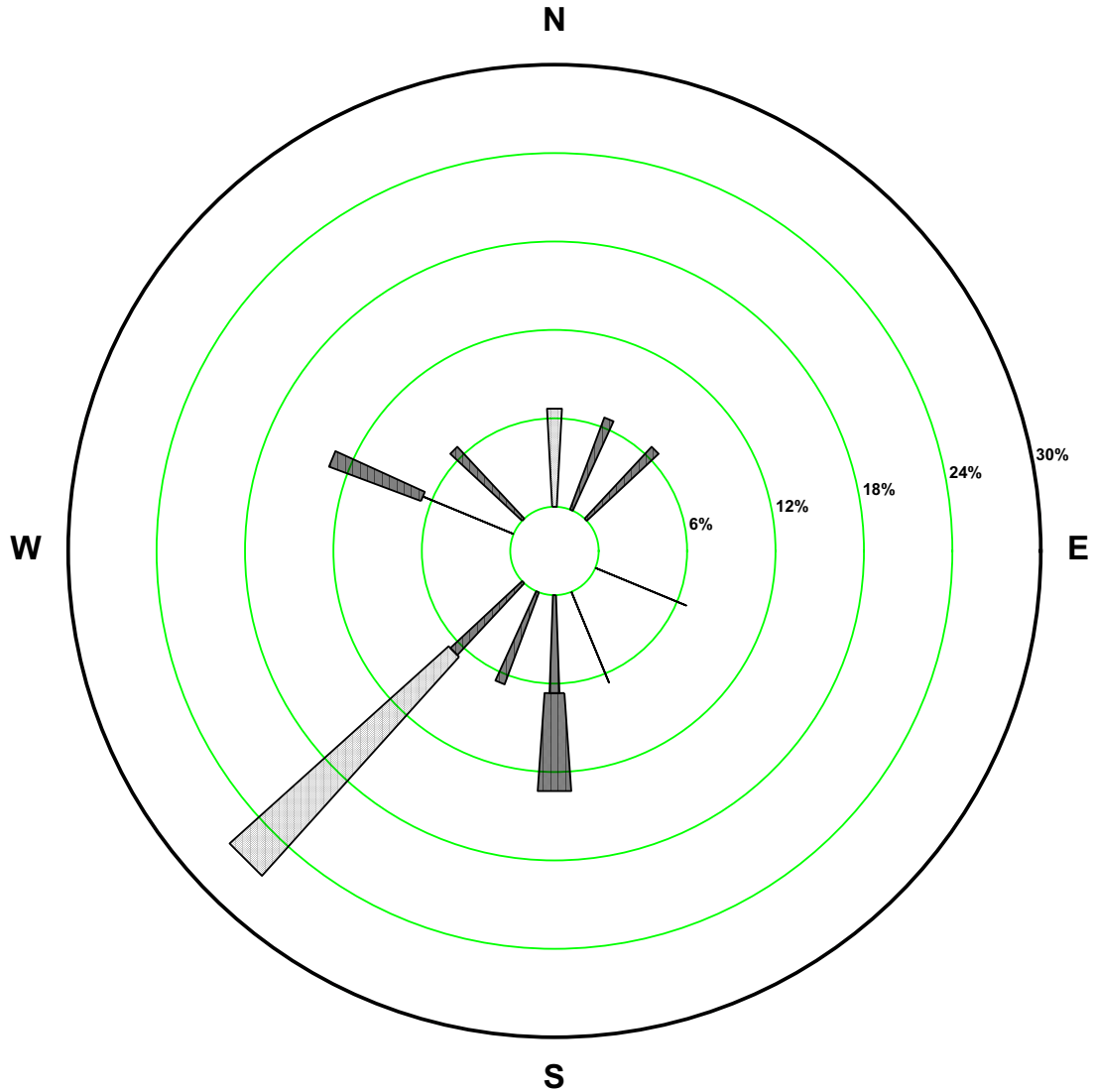


Figure 2.7-42 SSES 10 m December Precipitation Rate Wind Rose

SSES DEC

10-METER WIND DATA



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

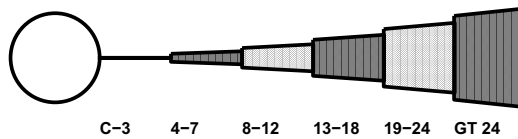
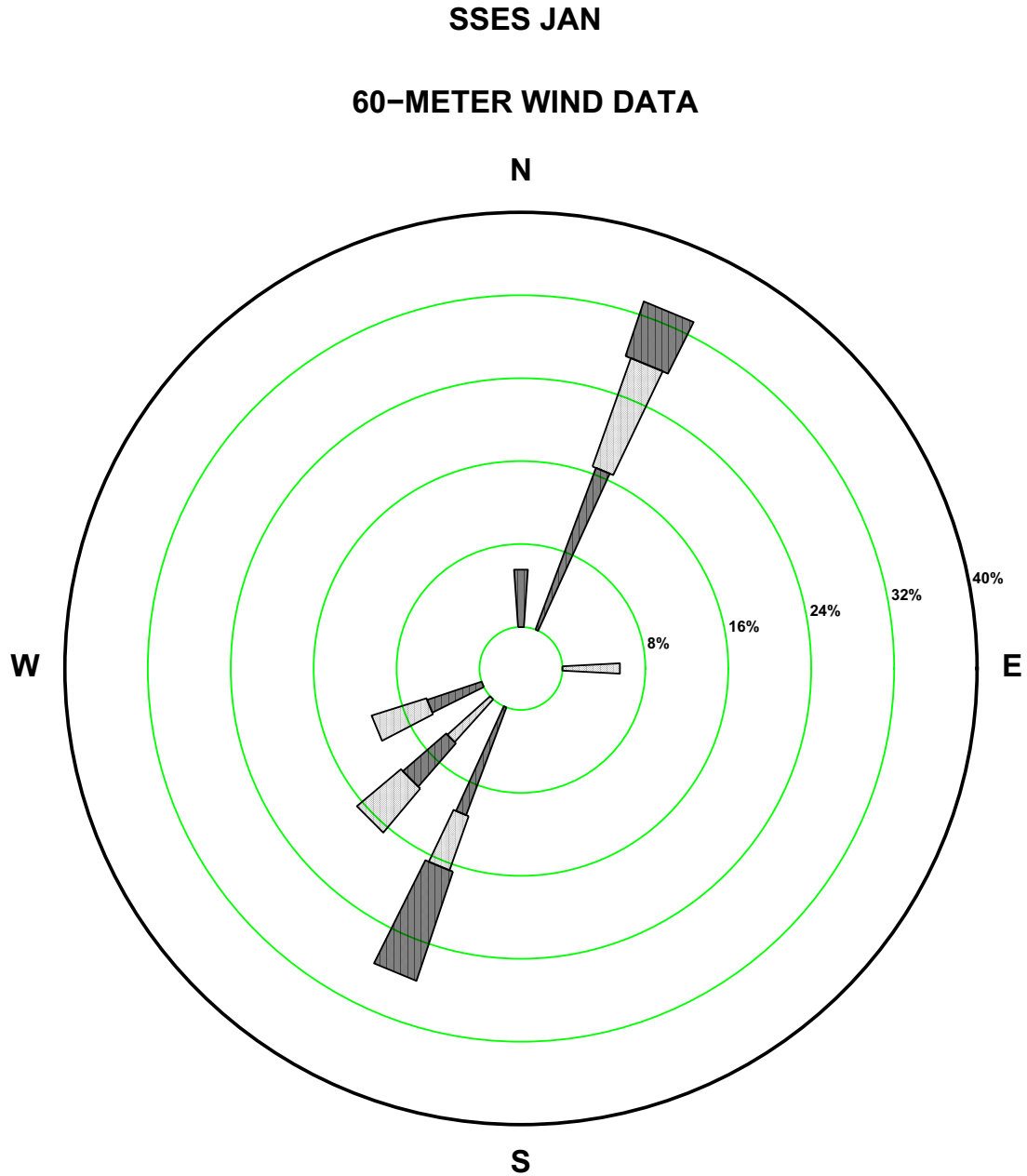


Figure 2.7-43 SSES 60 m January Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

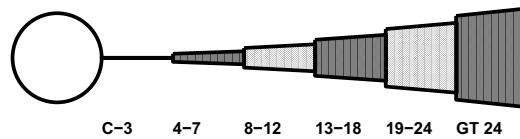
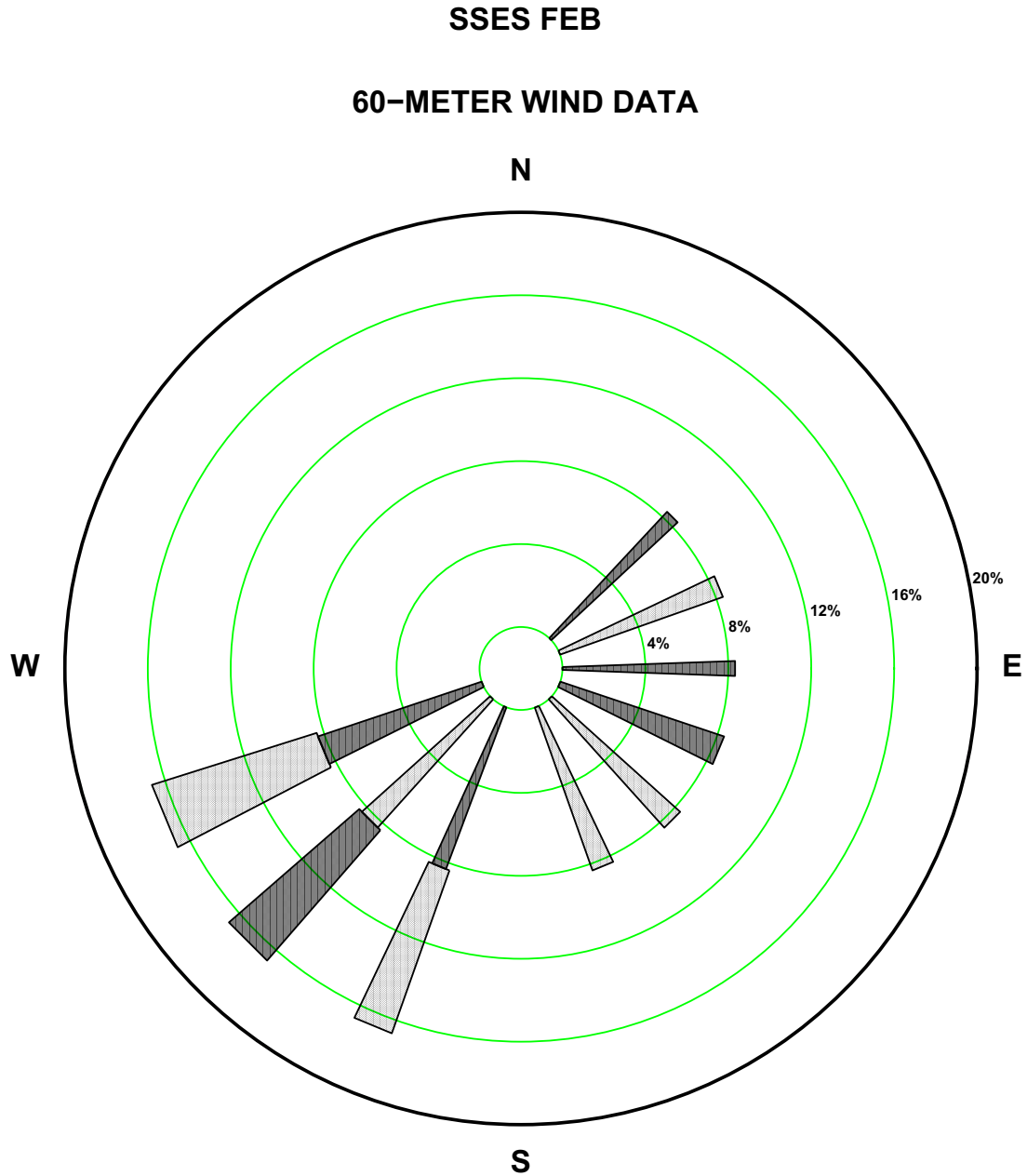


Figure 2.7-44 SSES 60 m February Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

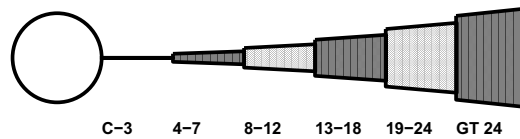
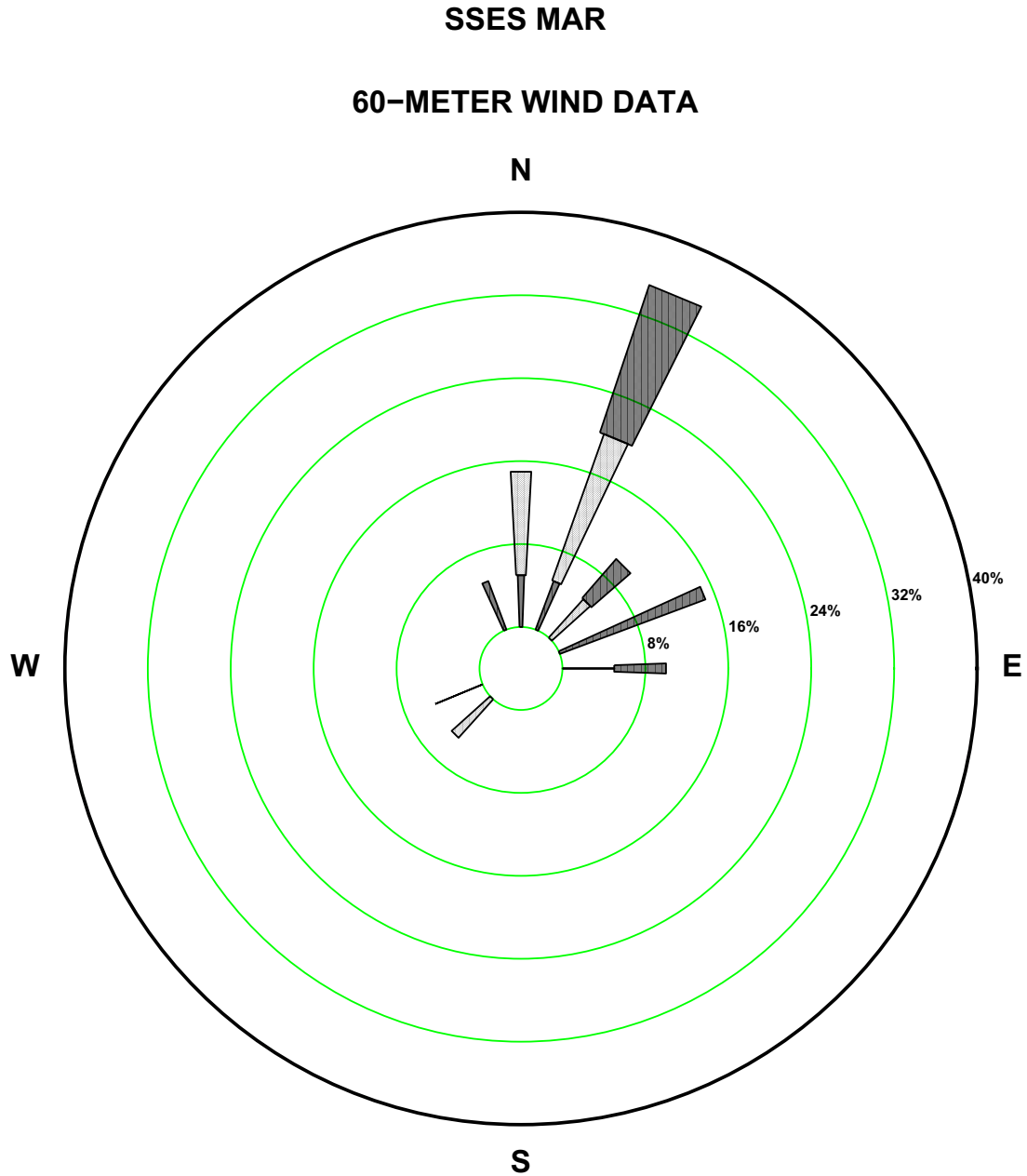


Figure 2.7-45 SSES 60 m March Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

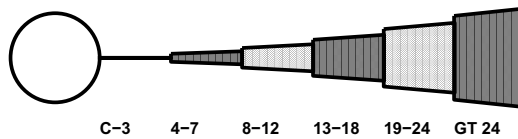
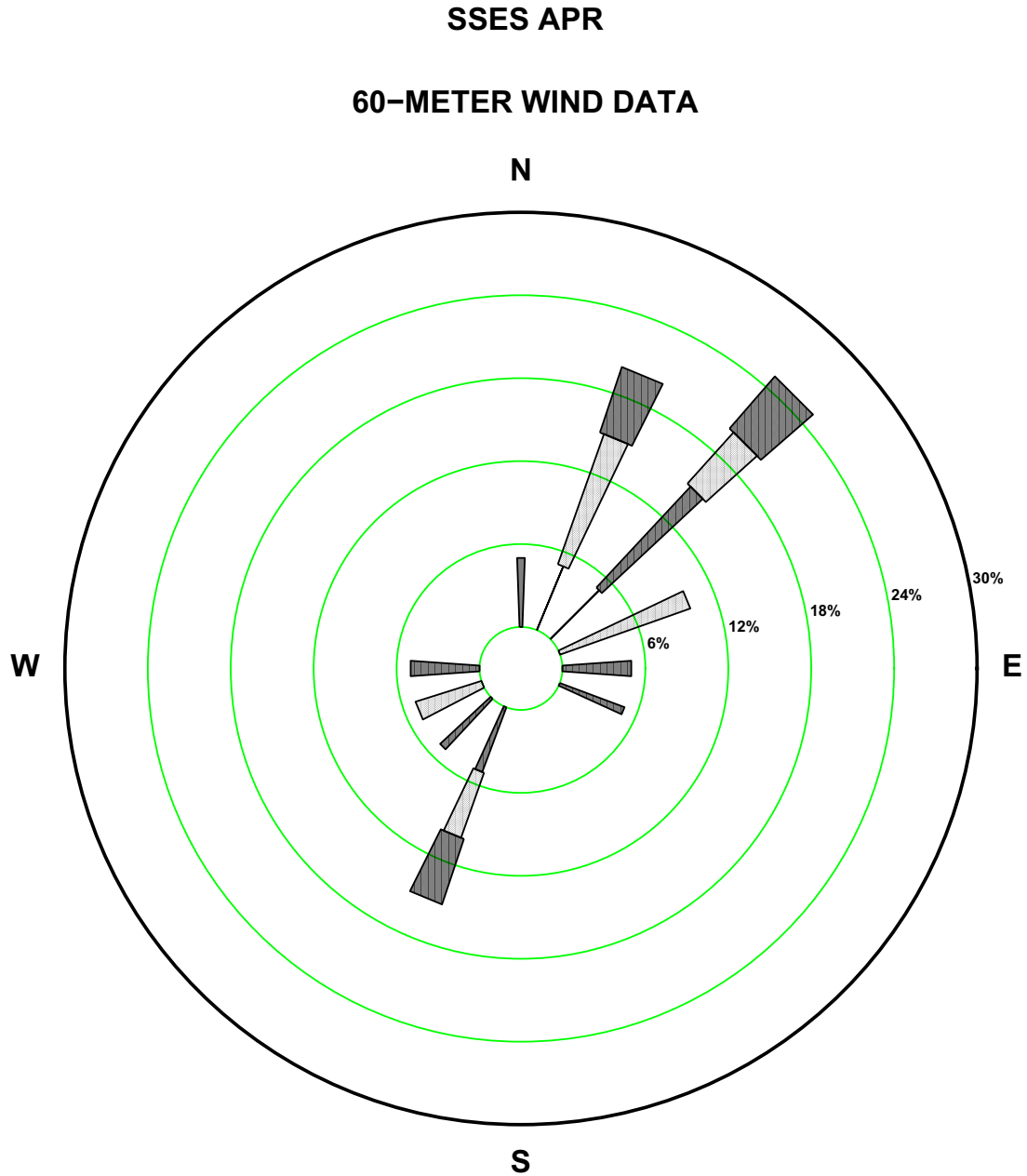


Figure 2.7-46 SSES 60 m April Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

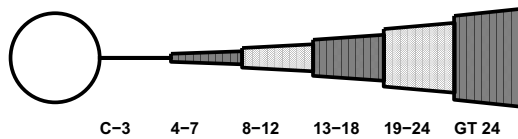
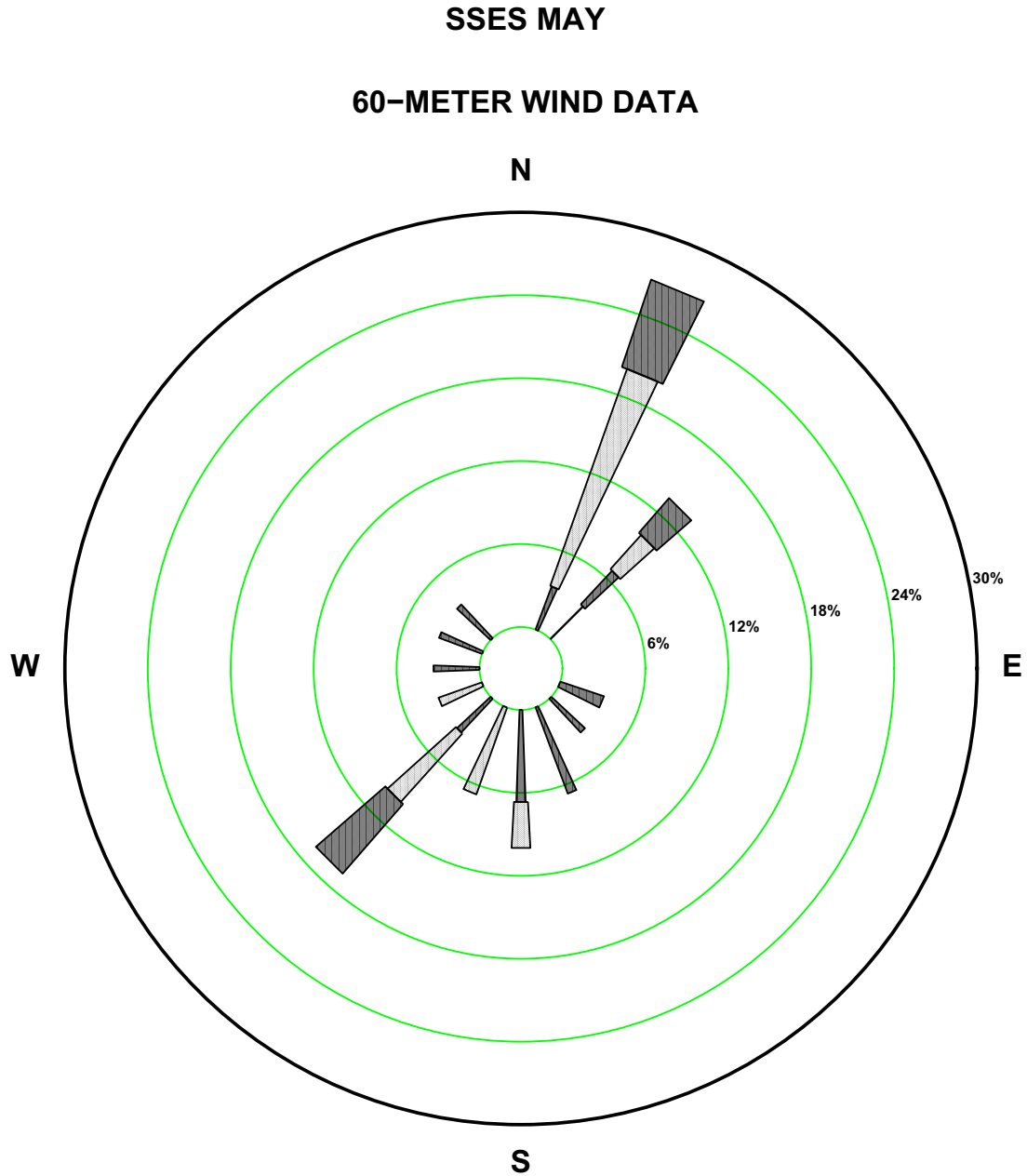


Figure 2.7-47 SSES 60 m May Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

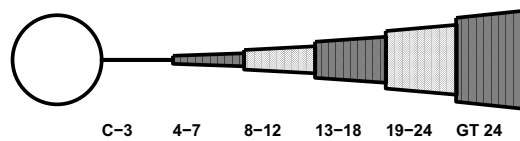
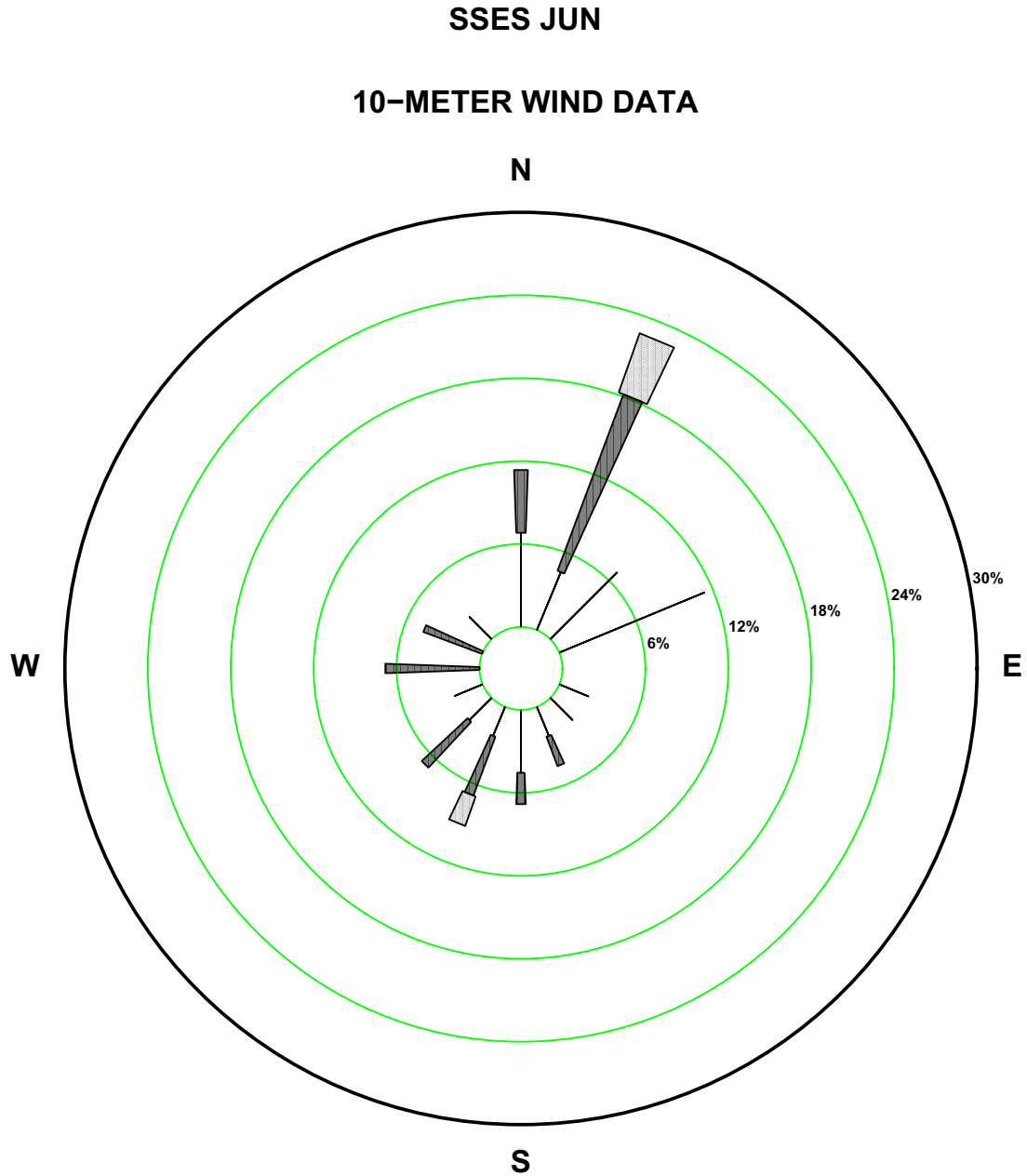


Figure 2.7-48 SSES 60 m June Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1–0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

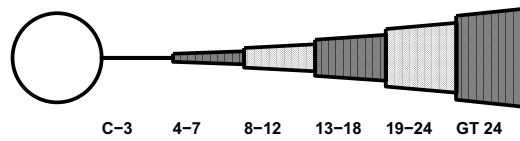
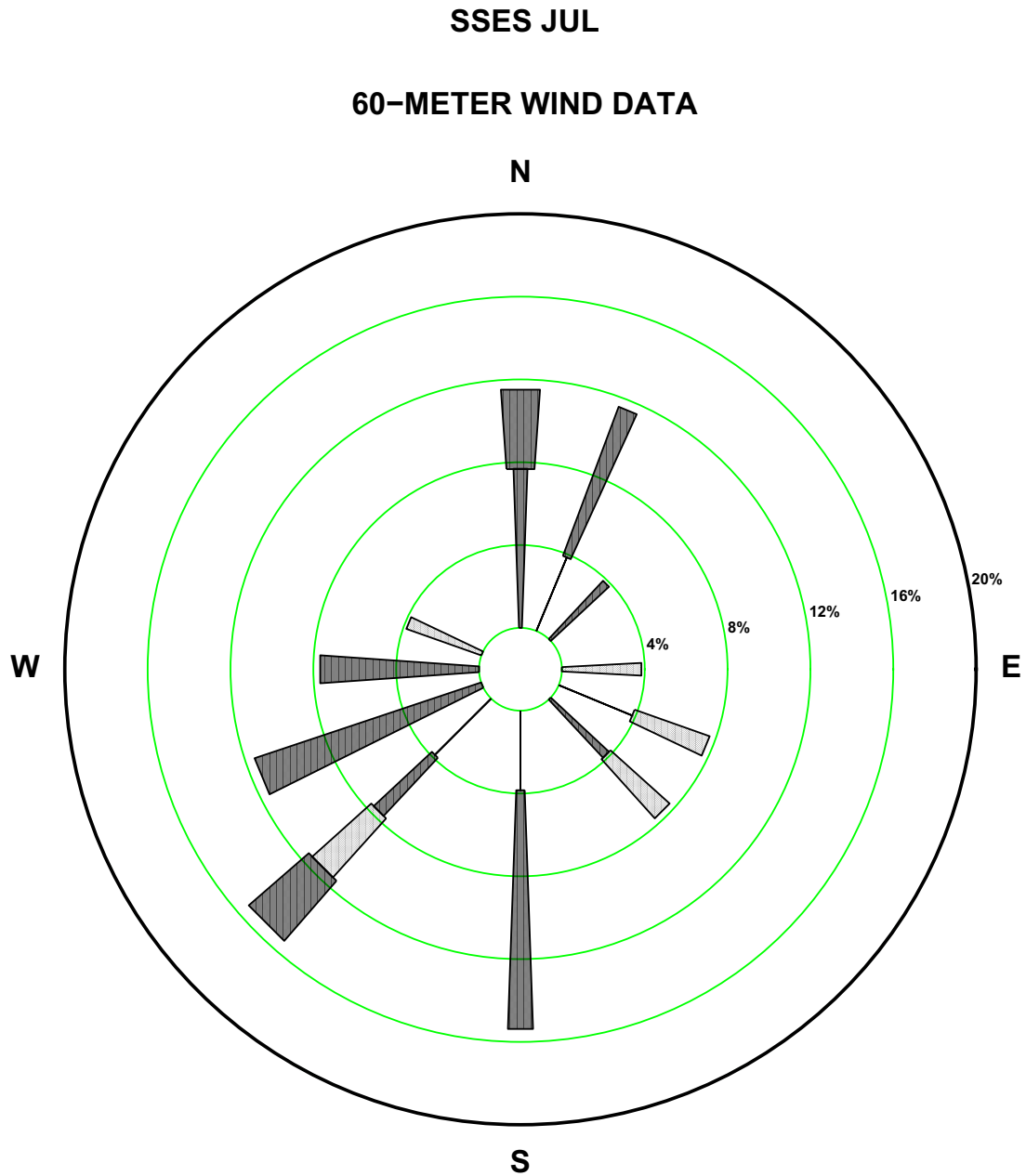


Figure 2.7-49 SSES 60 m July Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

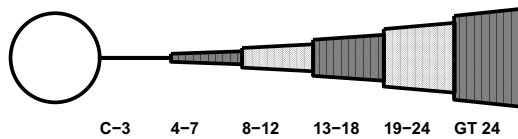
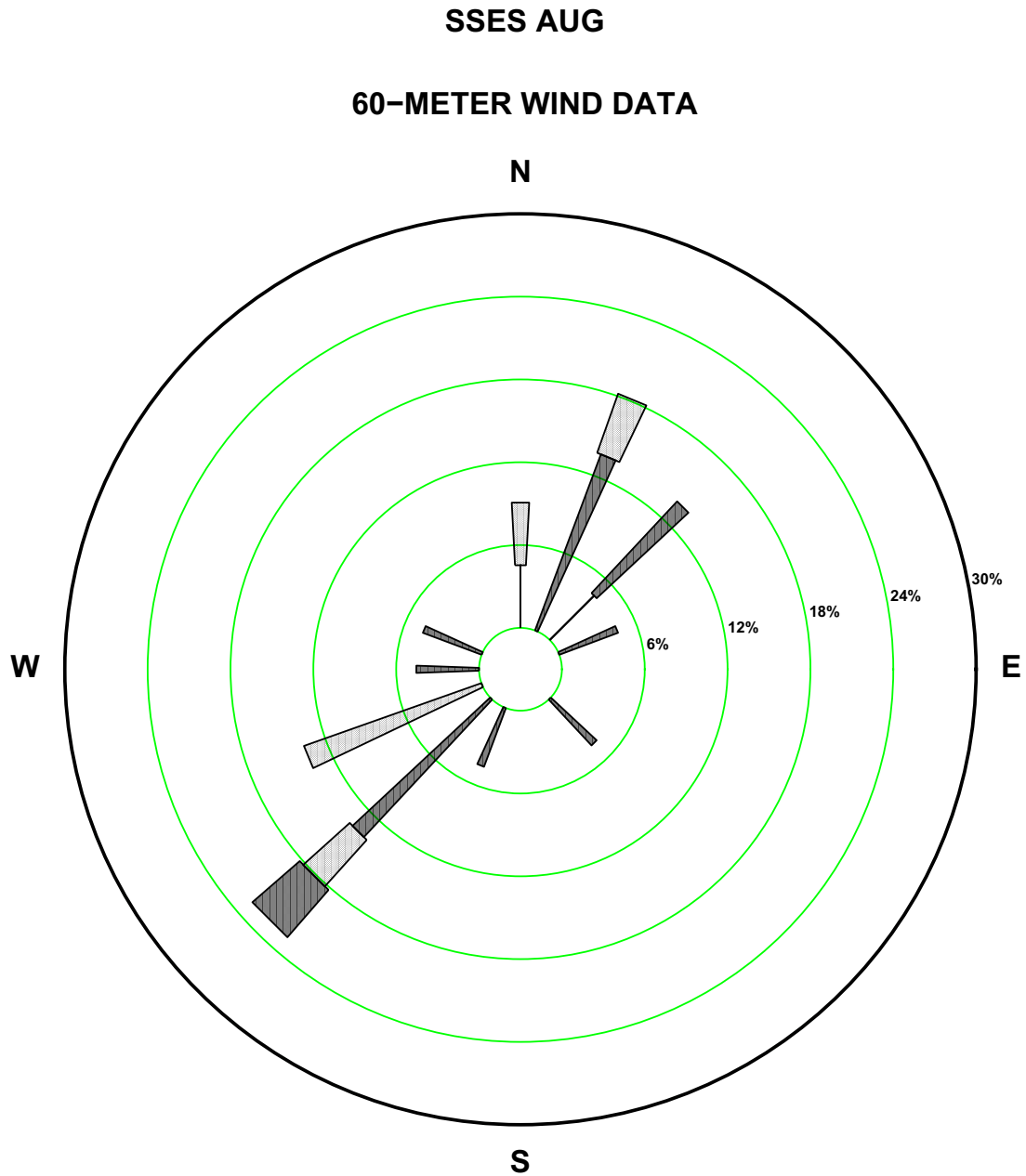


Figure 2.7-50 SSES 60 m August Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

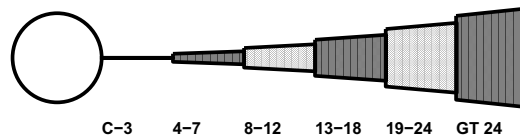
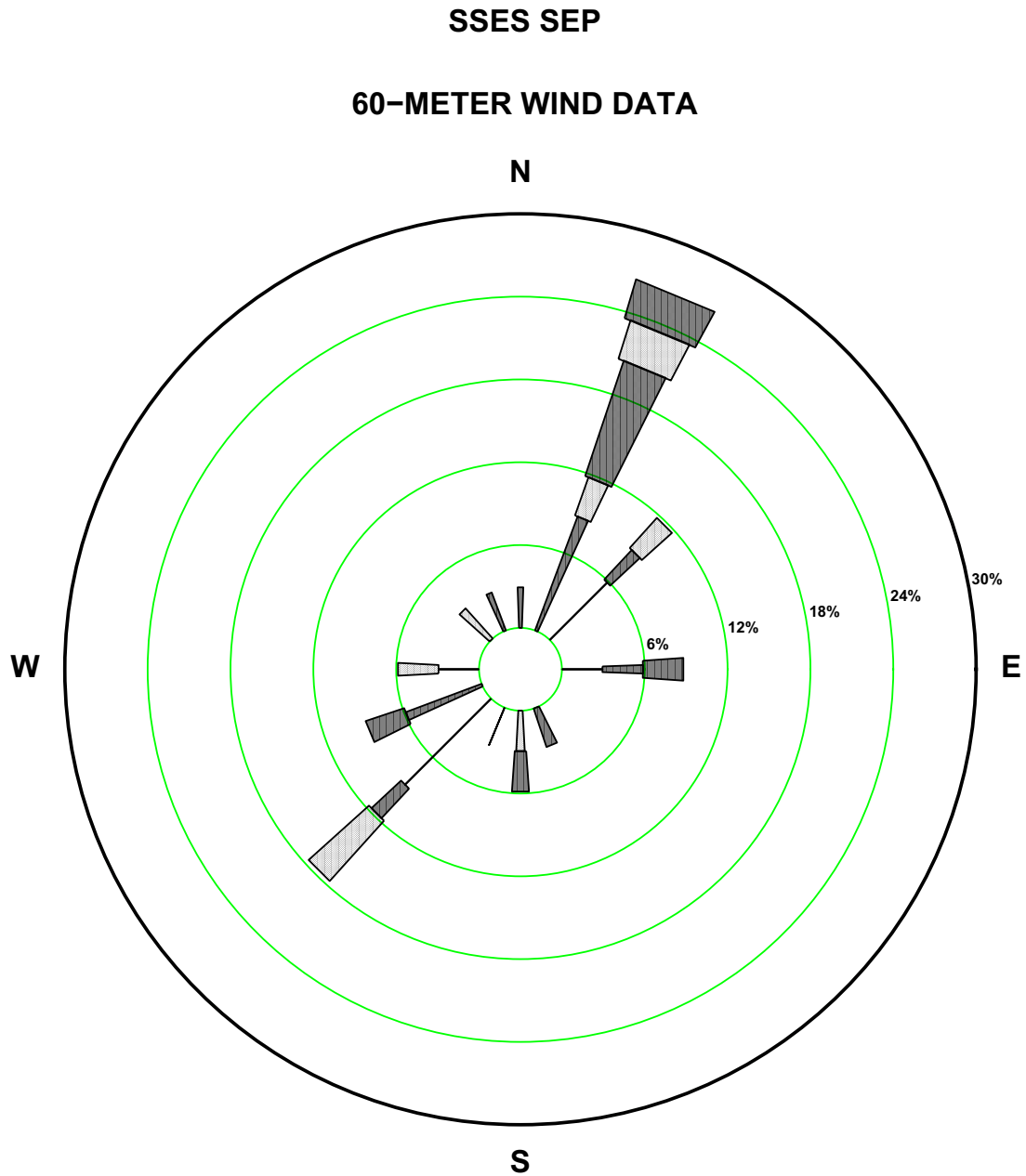


Figure 2.7-51 SSES 60 m September Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

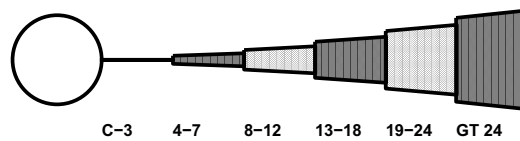
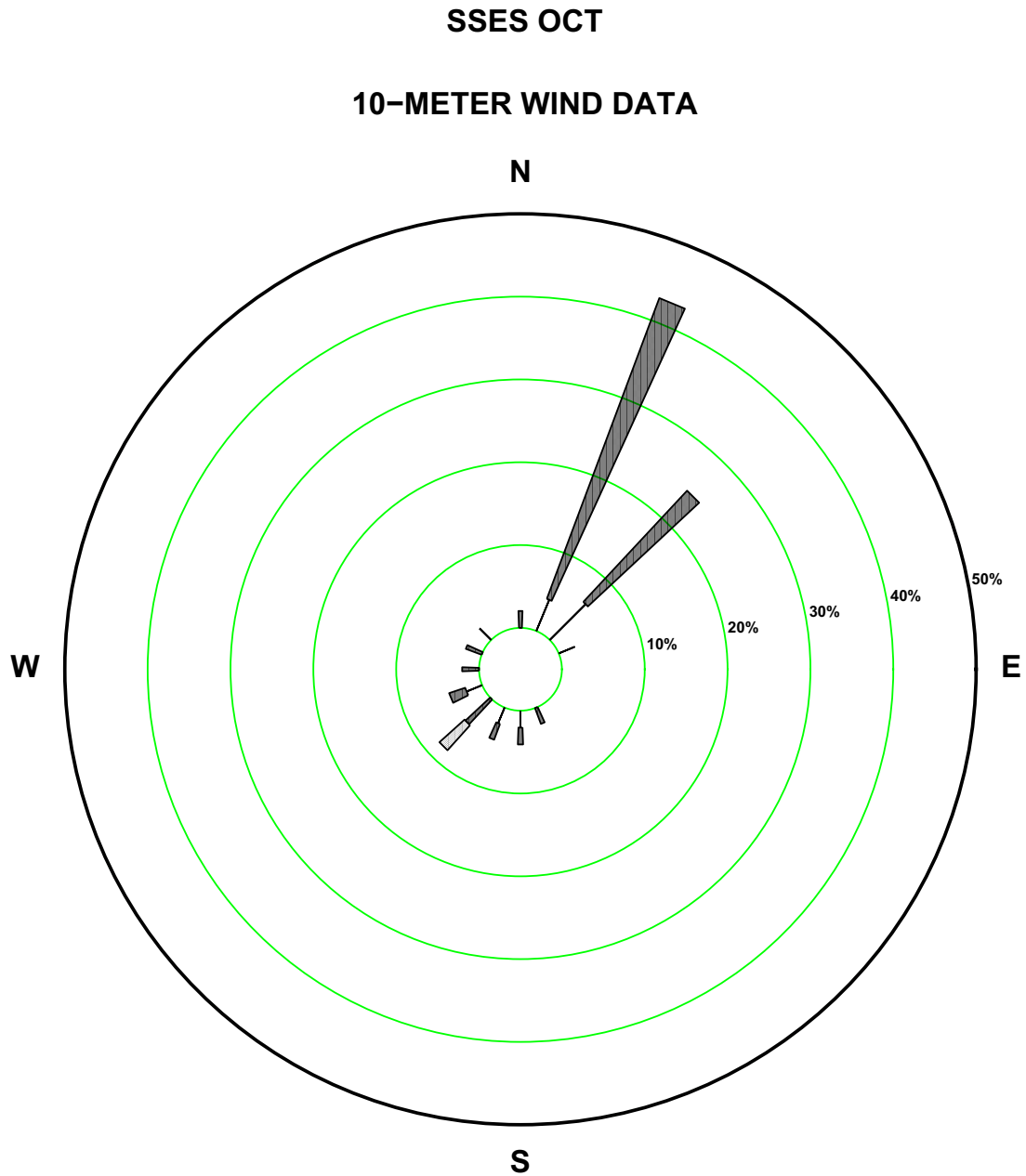


Figure 2.7-52 SSES 60 m October Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

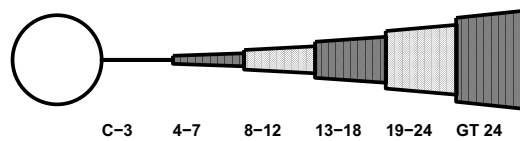
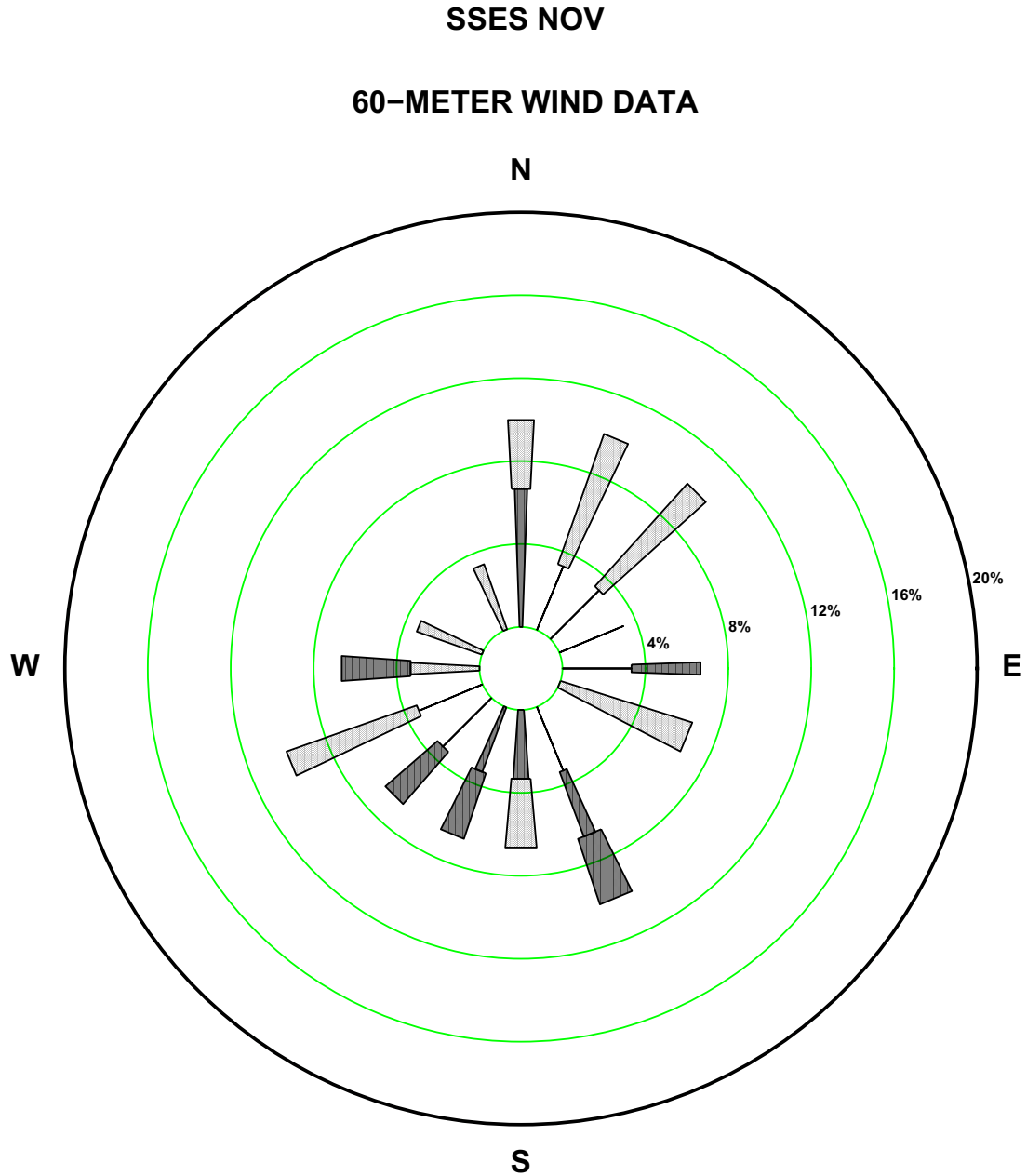


Figure 2.7-53 SSES 60 m November Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1-0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

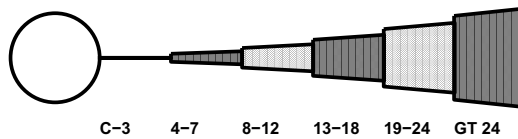
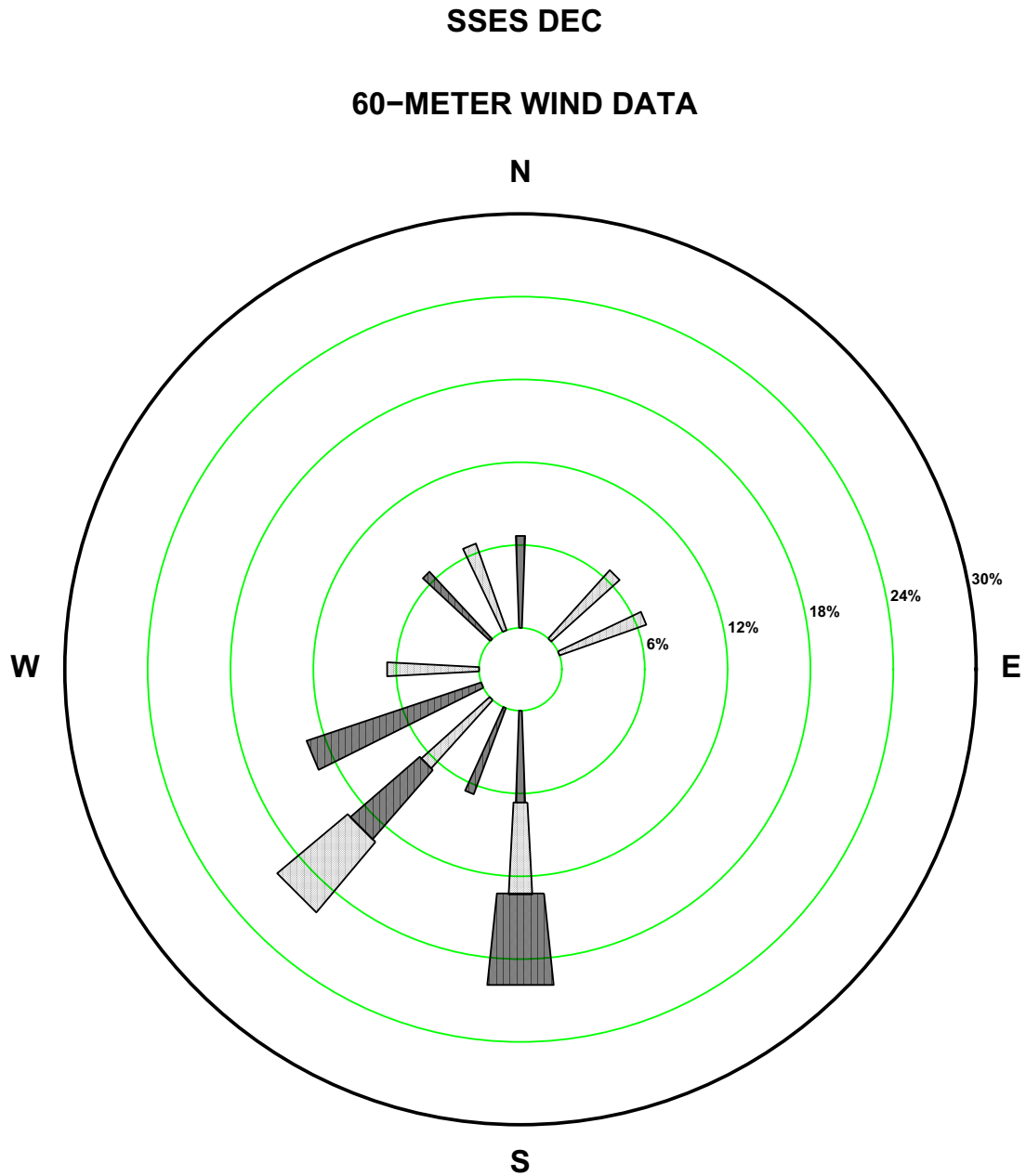


Figure 2.7-54 SSES 60 m December Precipitation Rate Wind Rose



PRECIP RATE CLASS 0.1–0.2 IN/HR

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

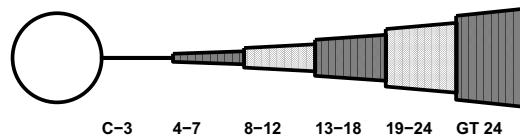
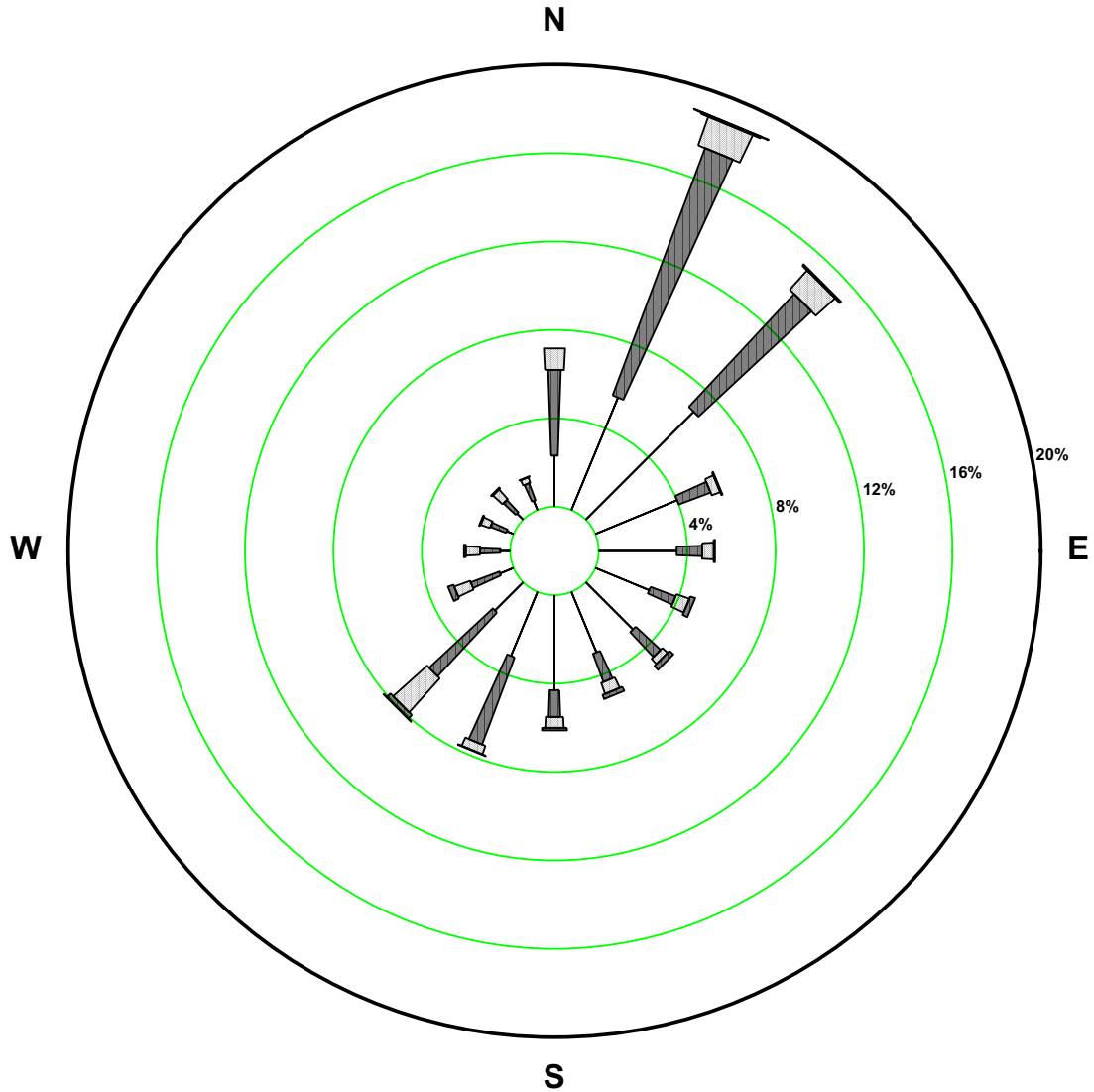


Figure 2.7-55 SSES 10m Annual Wind Rose

SSES JAN 2001 – DEC 2006

10-METER WIND DATA



STABILITY CLASS ALL

CALM WINDS 0.24%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

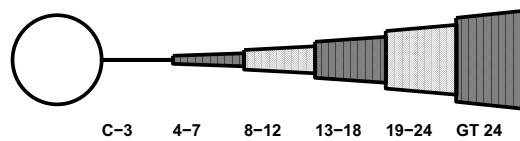
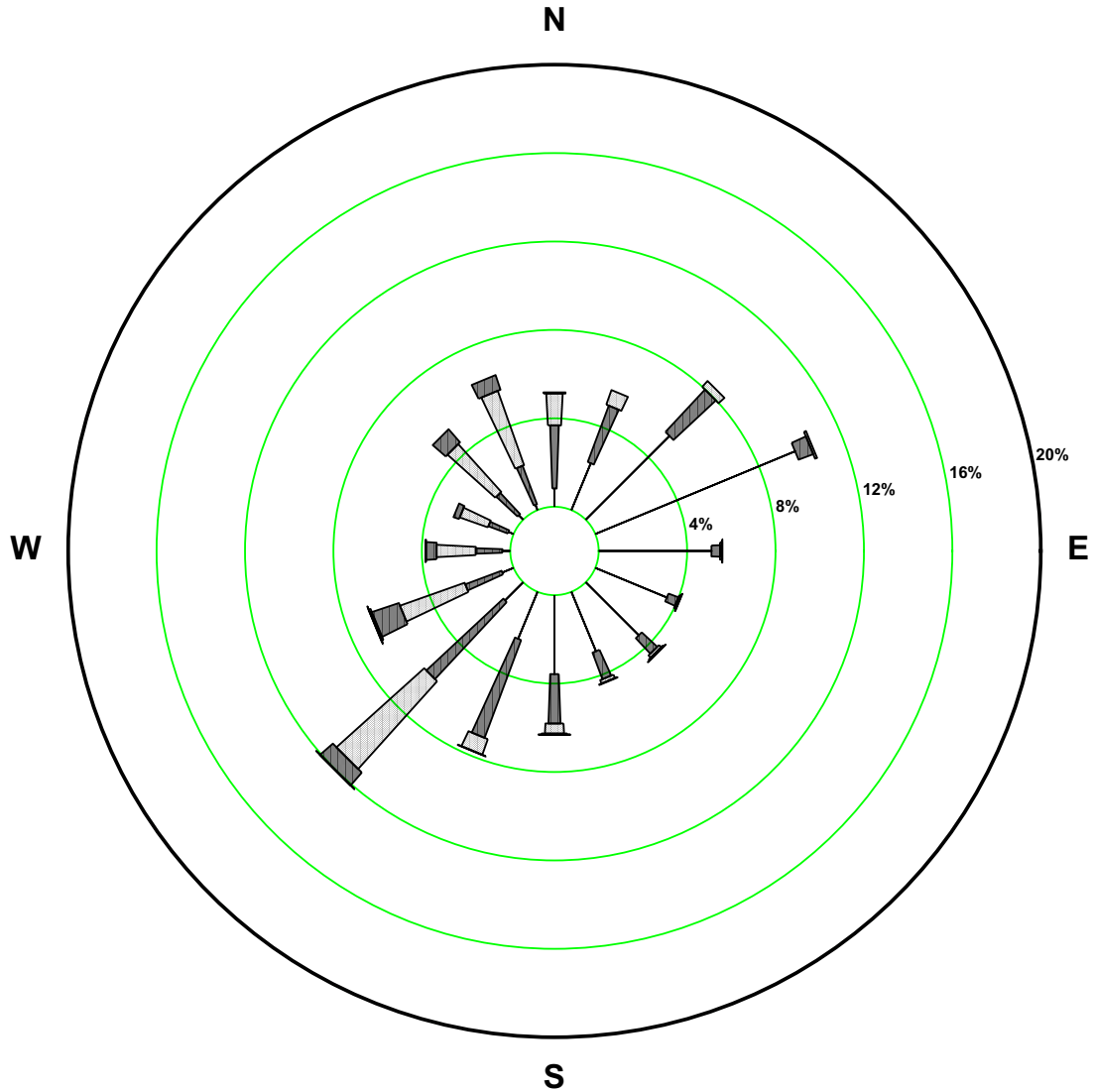


Figure 2.7-56 SSES 10m Winter Wind Rose

SSES WINTER 2001 – 2006

10-METER WIND DATA



STABILITY CLASS ALL

CALM WINDS 0.01%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

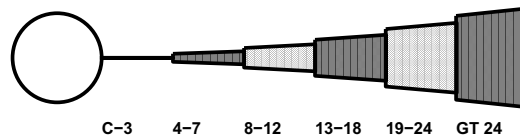
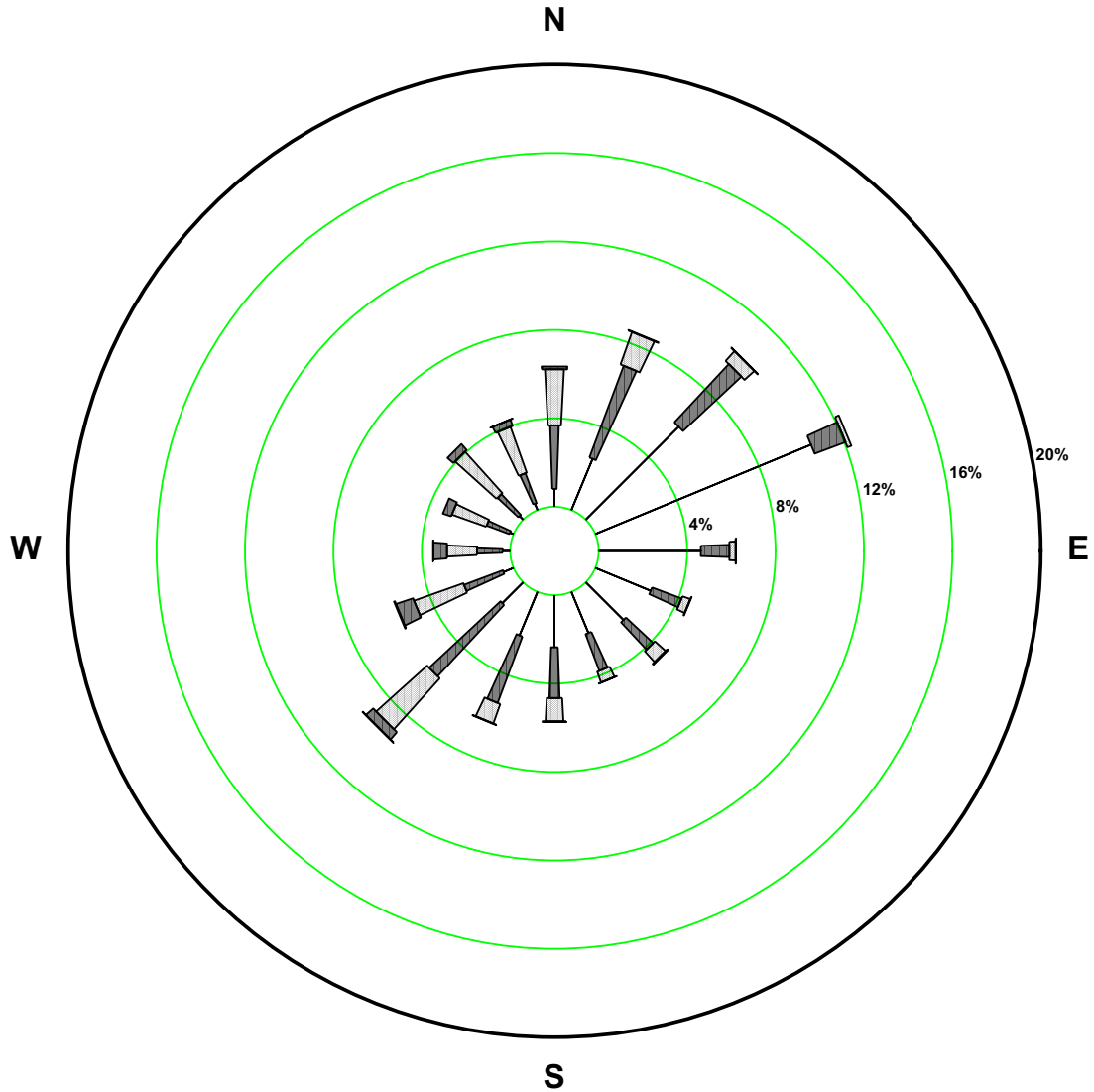


Figure 2.7-57 SSES 10m Spring Wind Rose

SSES SPRING 2001 – 2006

10-METER WIND DATA



STABILITY CLASS ALL

CALM WINDS 0.15%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

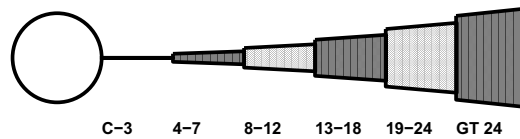
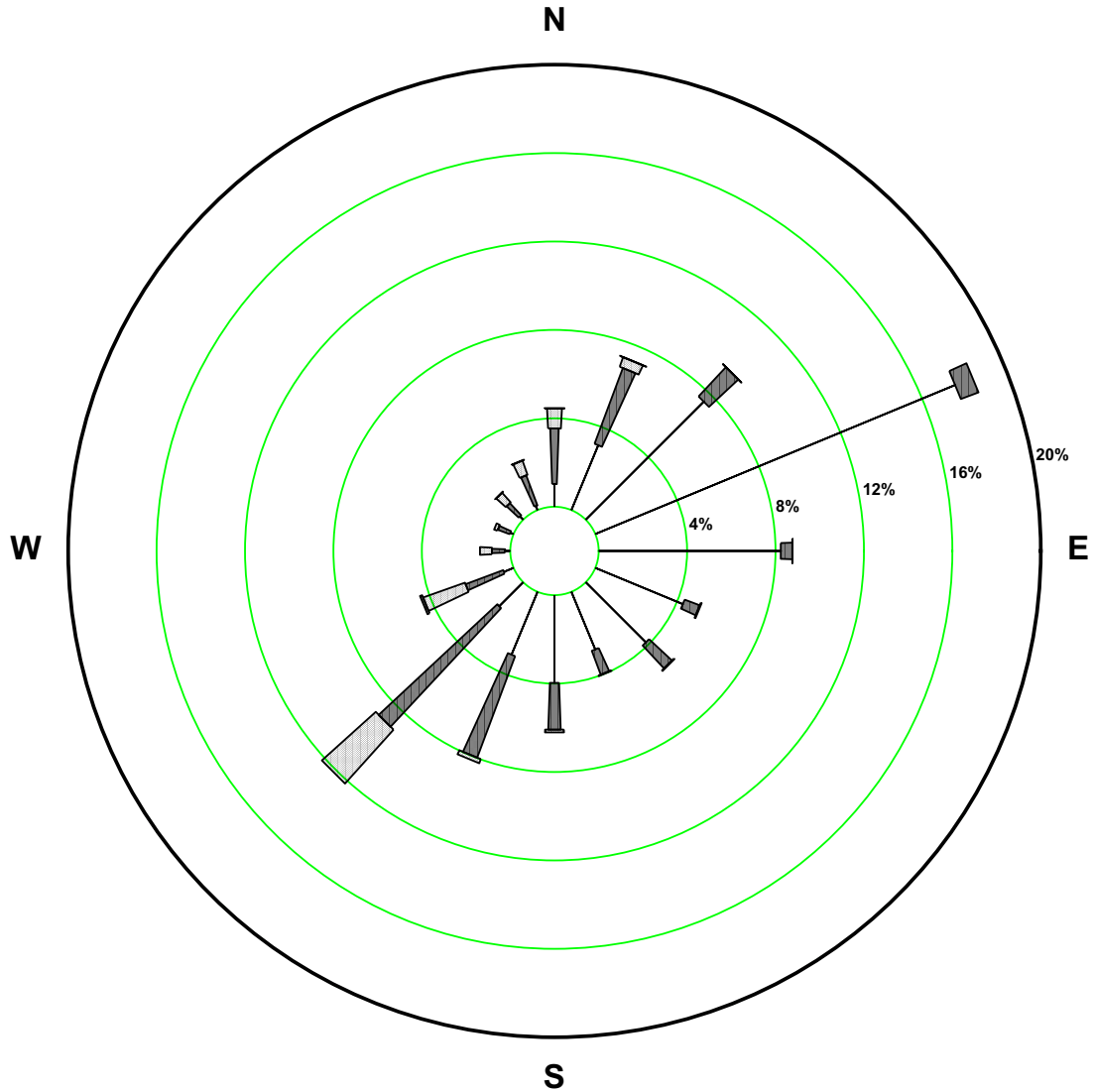


Figure 2.7-58 SSES 10m Summer Wind Rose

SSES SUMMER 2001 – 2006

10-METER WIND DATA



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

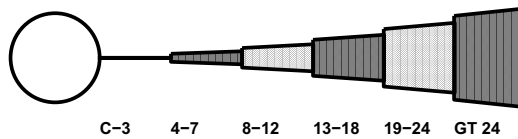
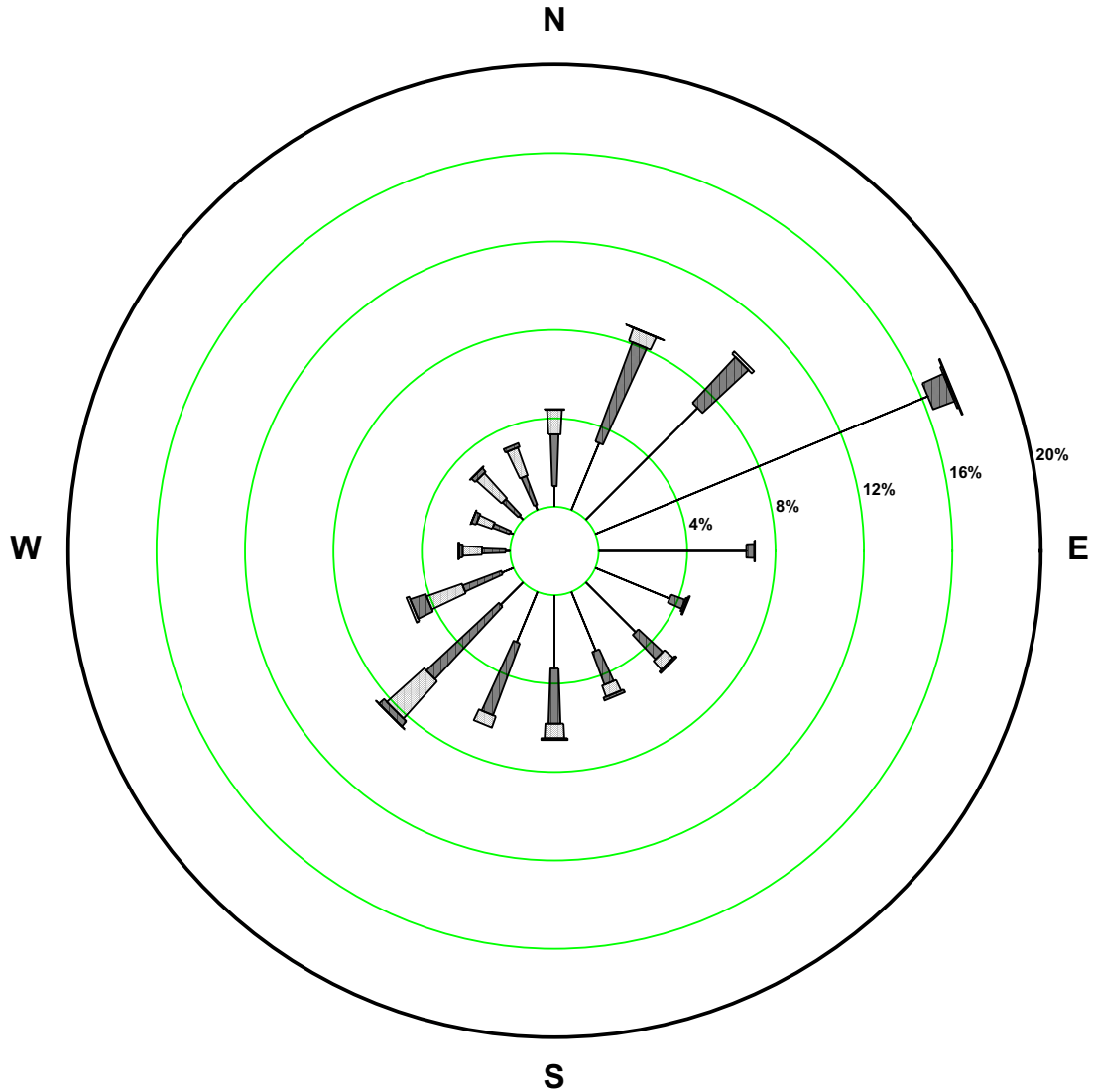


Figure 2.7-59 SSES 10m Fall Wind Rose

SSES FALL 2001 – 2006

10-METER WIND DATA



STABILITY CLASS ALL

CALM WINDS 0.05%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

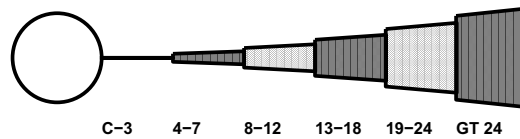
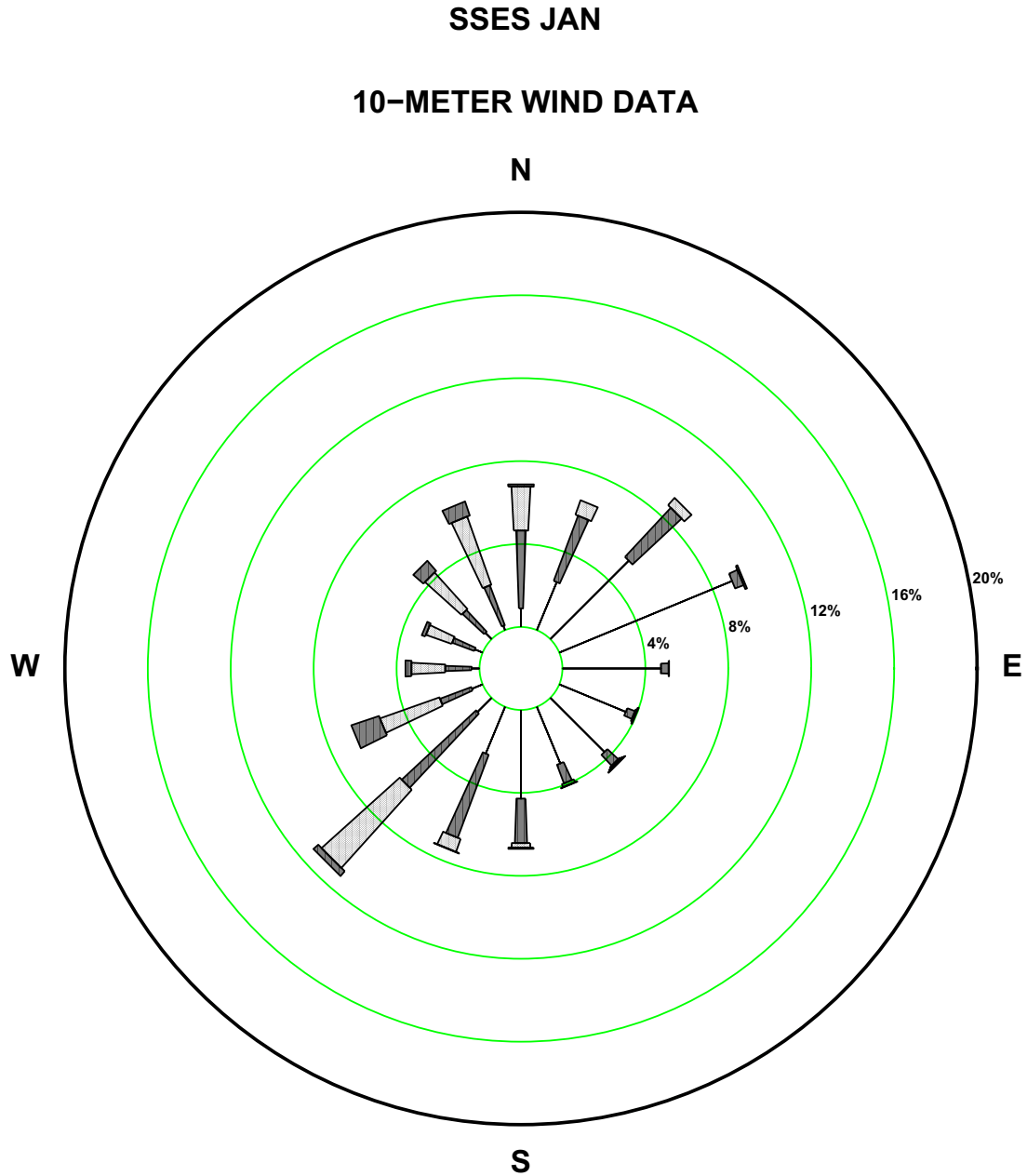


Figure 2.7-60 SSES 10m January Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

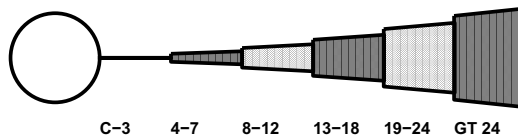
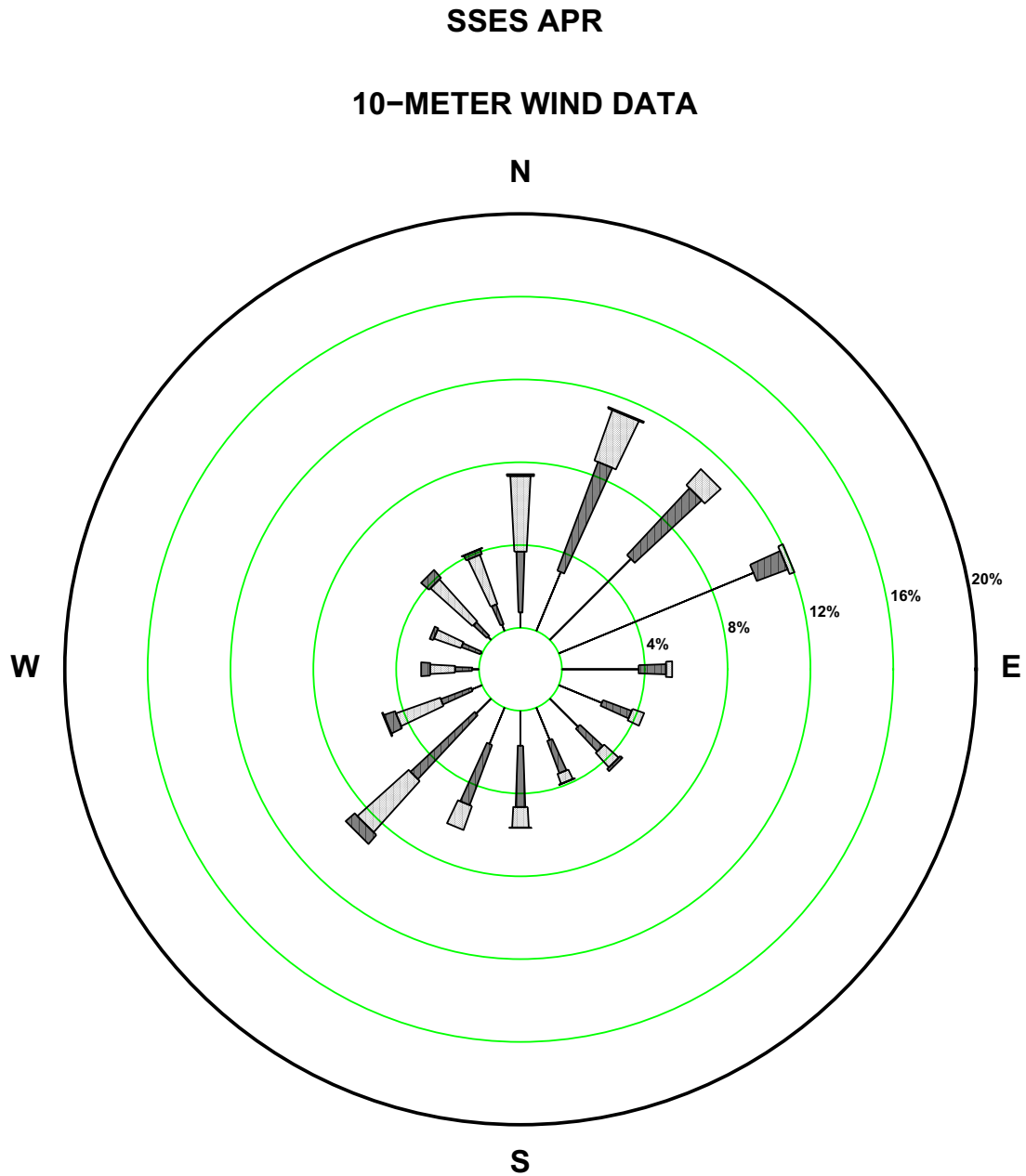


Figure 2.7-63 SSES 10m April Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

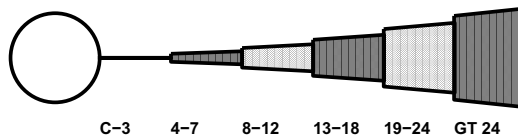
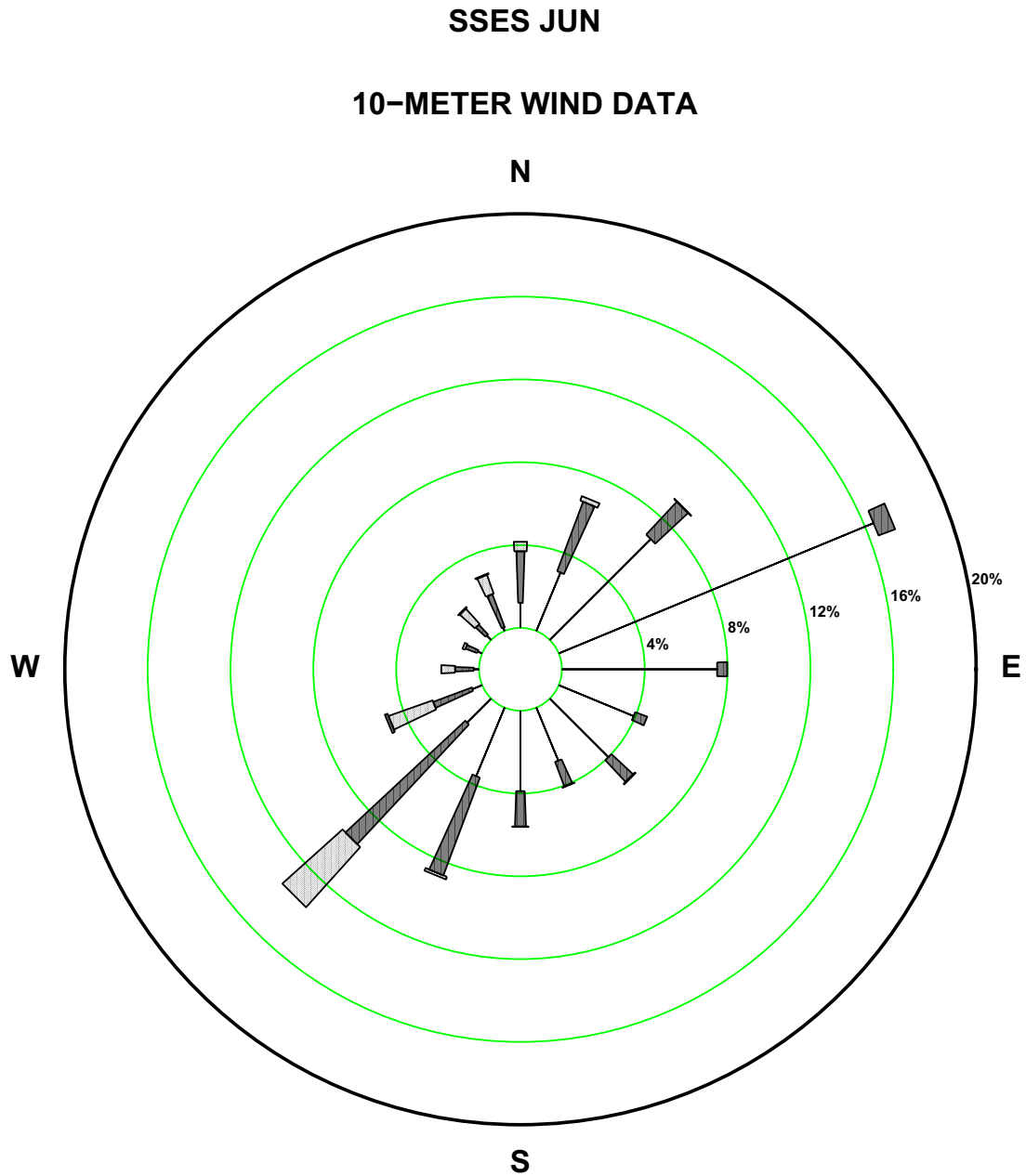


Figure 2.7-65 SSES 10m June Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

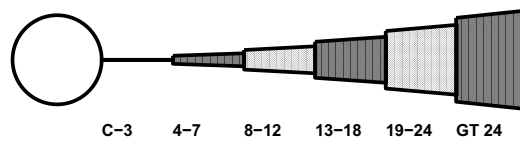
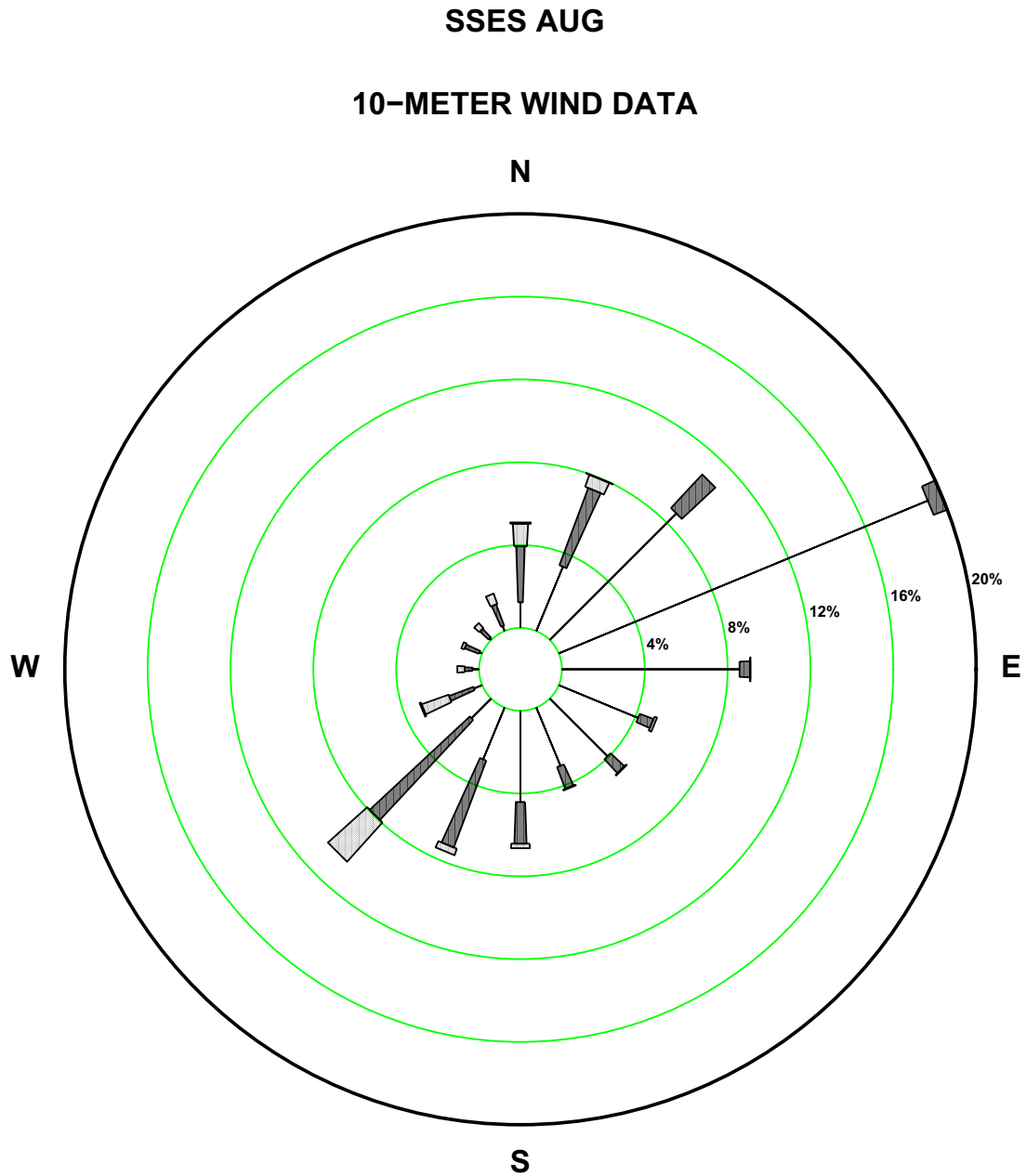


Figure 2.7-67 SSES 10m August Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

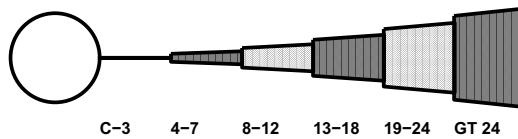
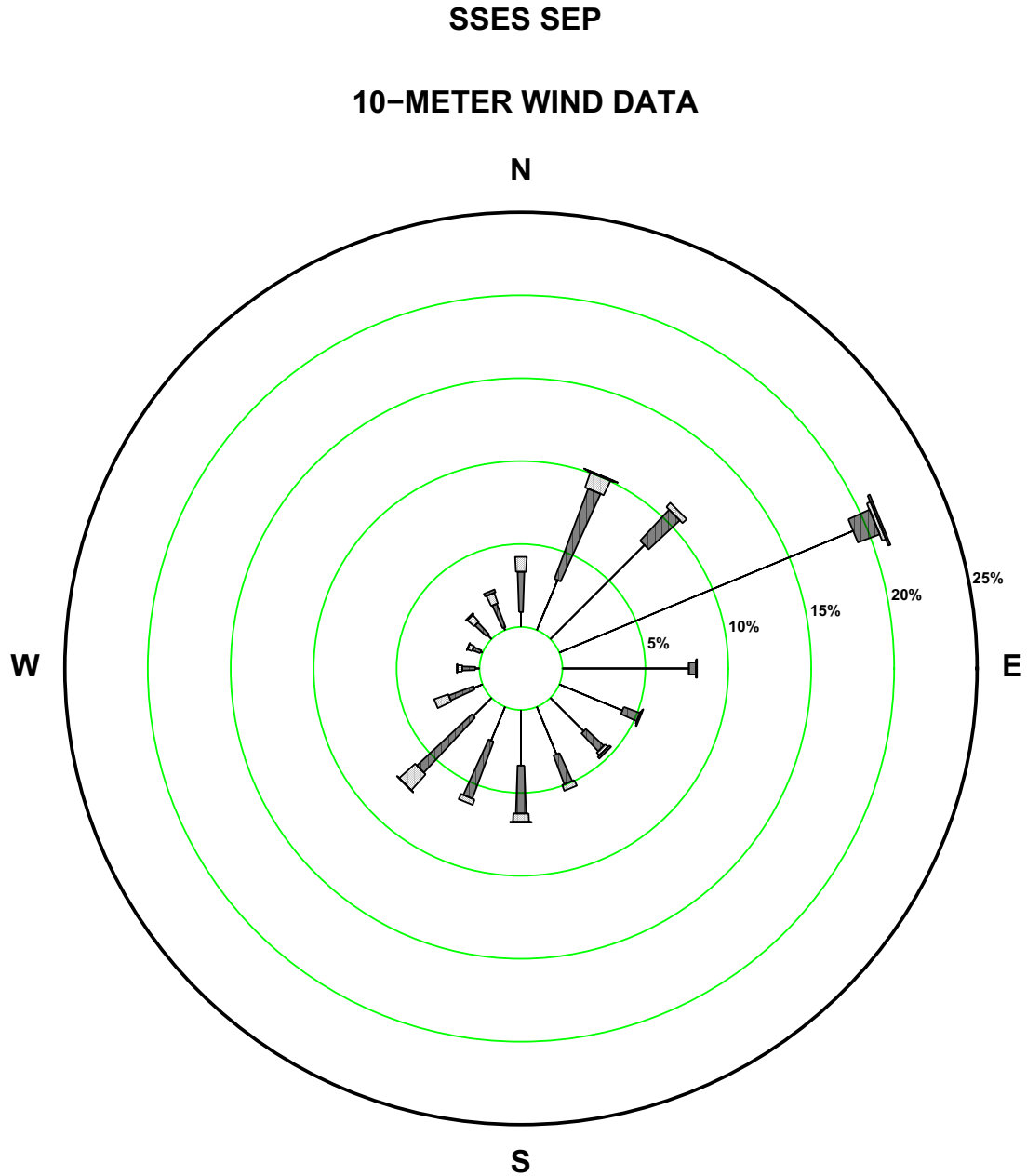


Figure 2.7-68 SSES 10m September Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

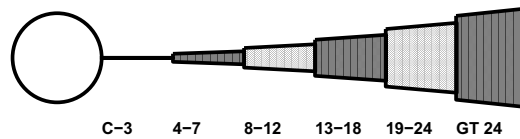
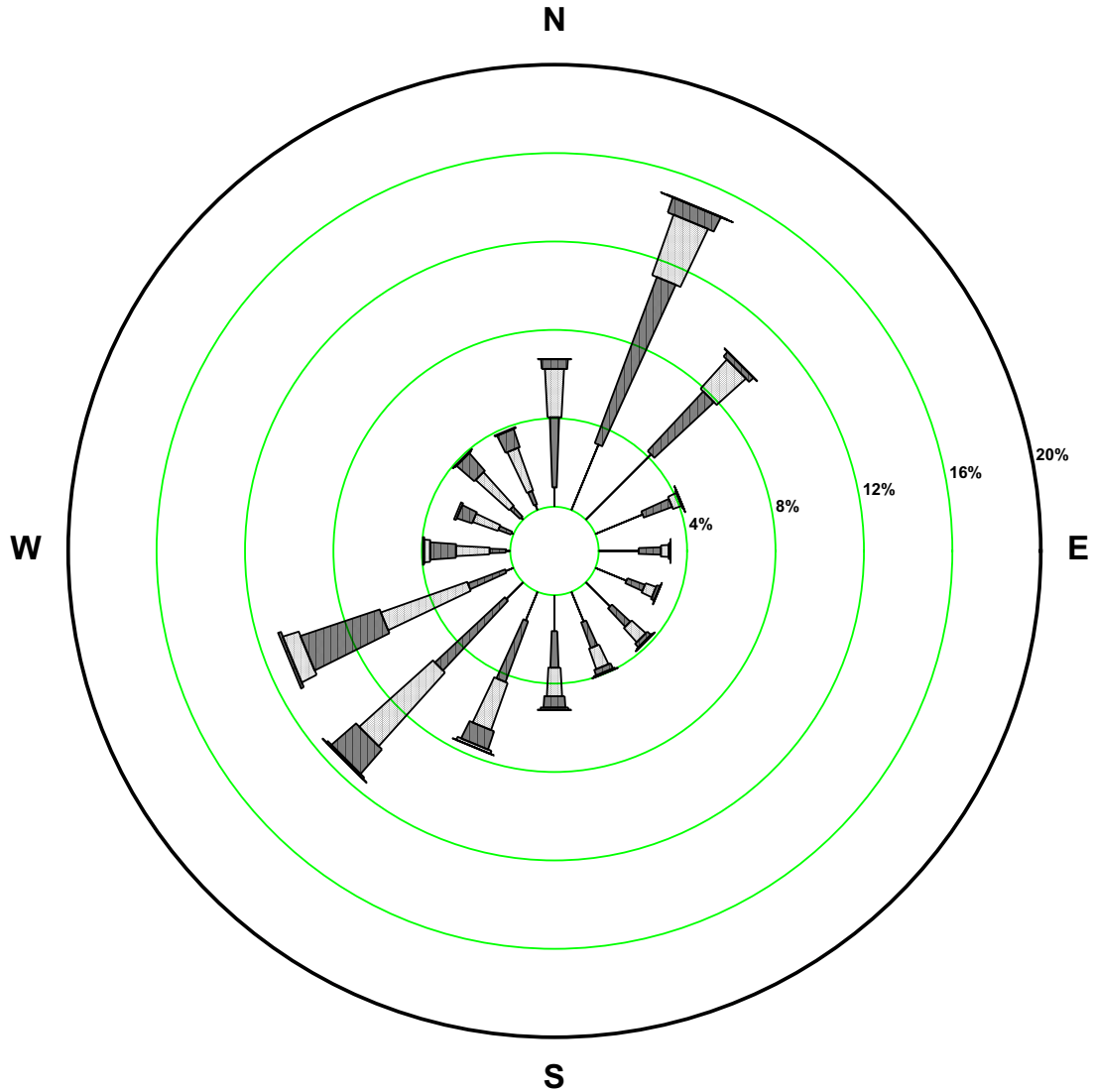


Figure 2.7-72 SSES 60m Annual Wind Rose

SSES JAN 2001 – DEC 2006

60-METER WIND DATA



STABILITY CLASS ALL

CALM WINDS 0.01%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

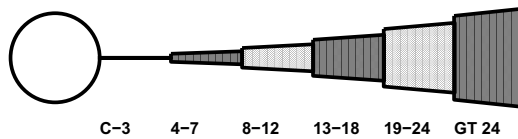
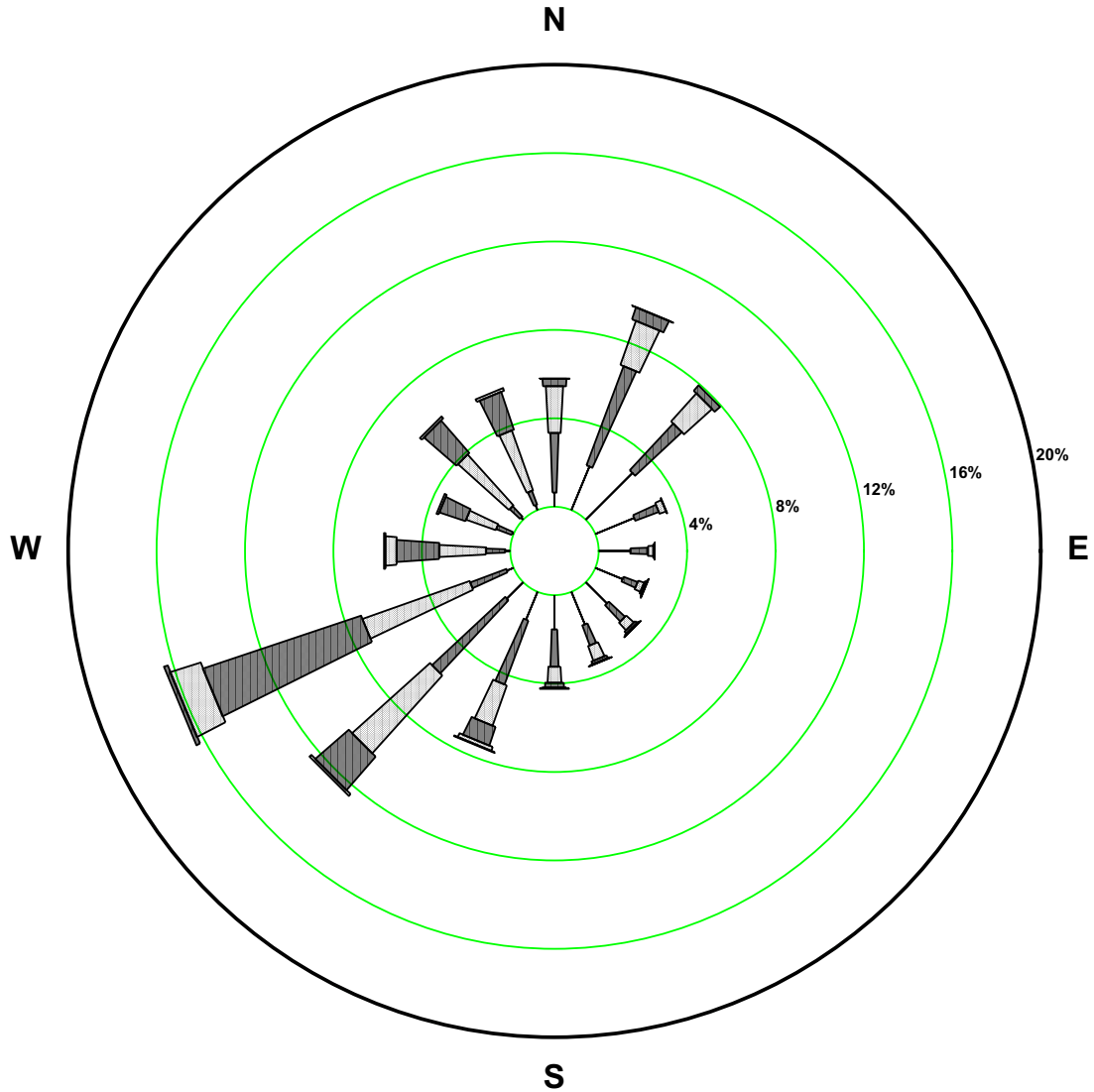


Figure 2.7-73 SSES 60m Winter Wind Rose

SSES WINTER 2001 – 2006

60-METER WIND DATA



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

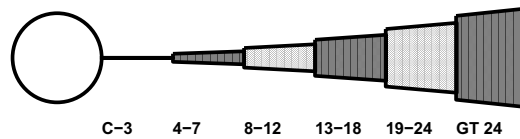
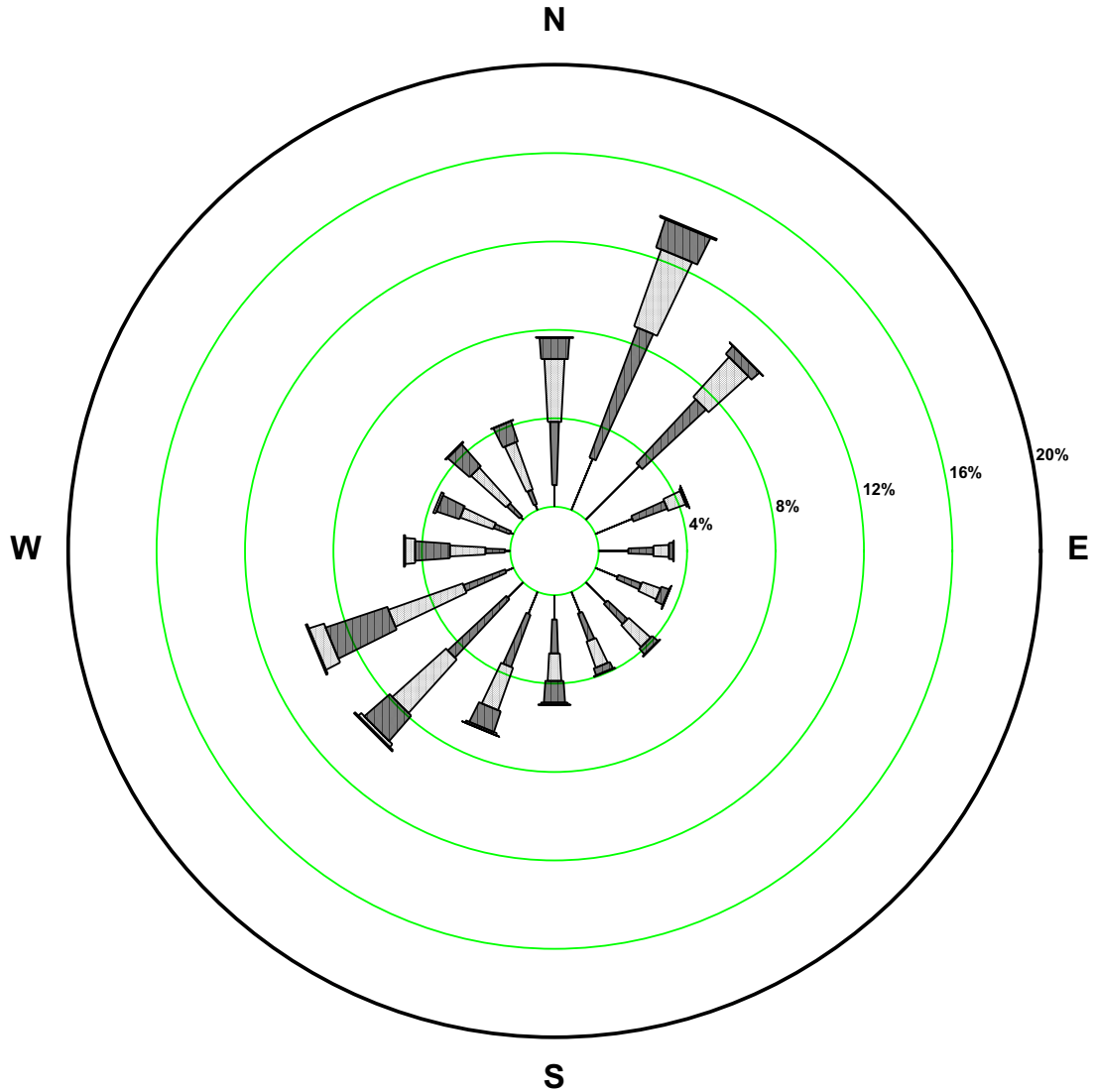


Figure 2.7-74 SSES 60m Spring Wind Rose

SSES SPRING 2001 – 2006

60-METER WIND DATA



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

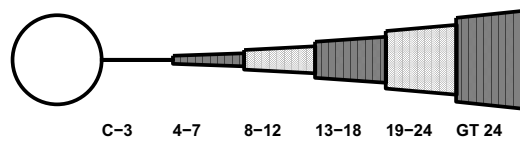
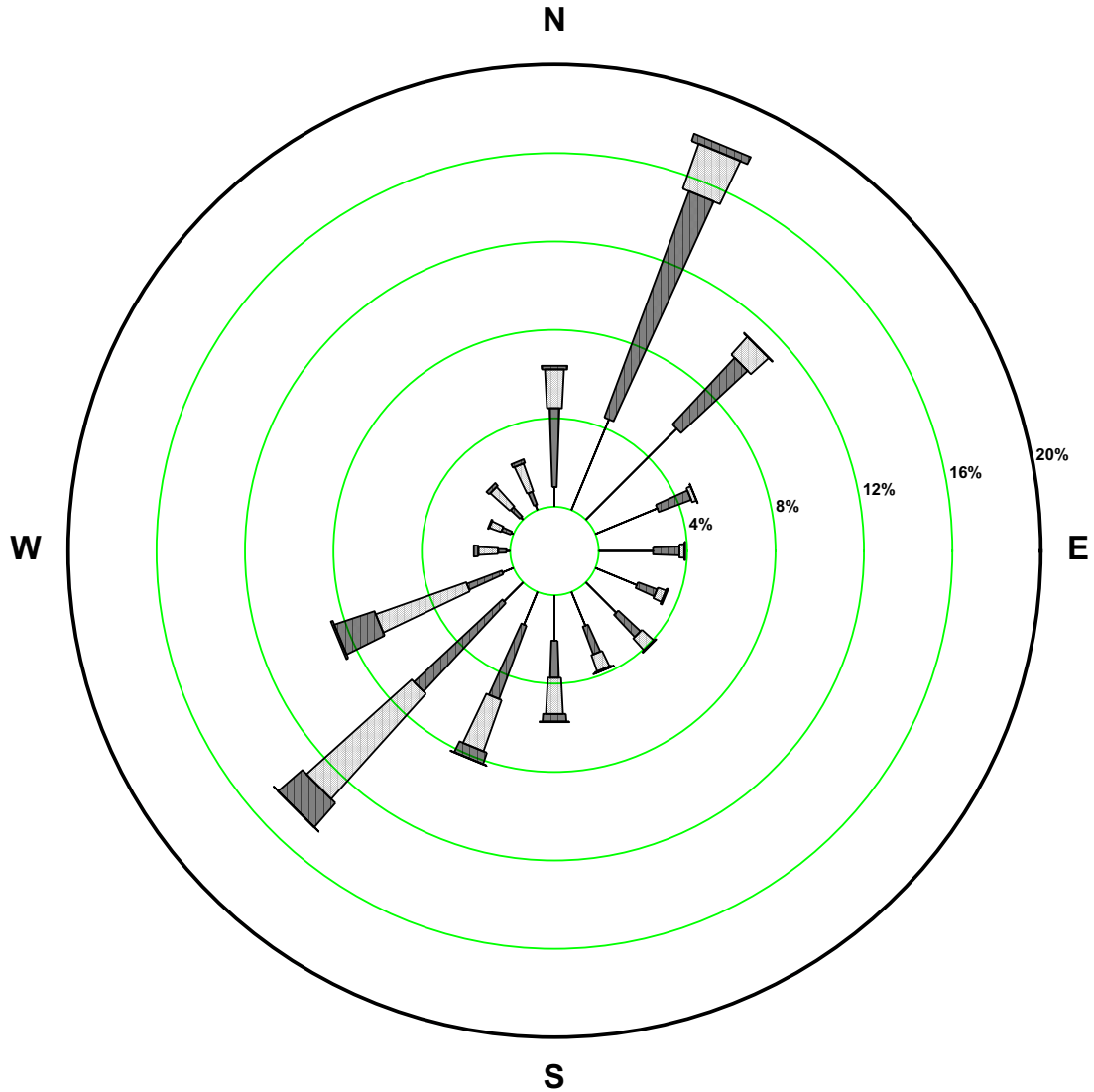


Figure 2.7-75 SSES 60m Summer Wind Rose

SSES SUMMER 2001 – 2006

60-METER WIND DATA



STABILITY CLASS ALL

CALM WINDS 0.02%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

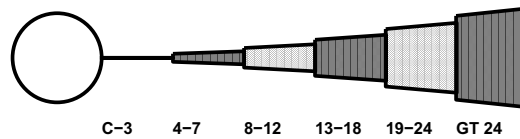
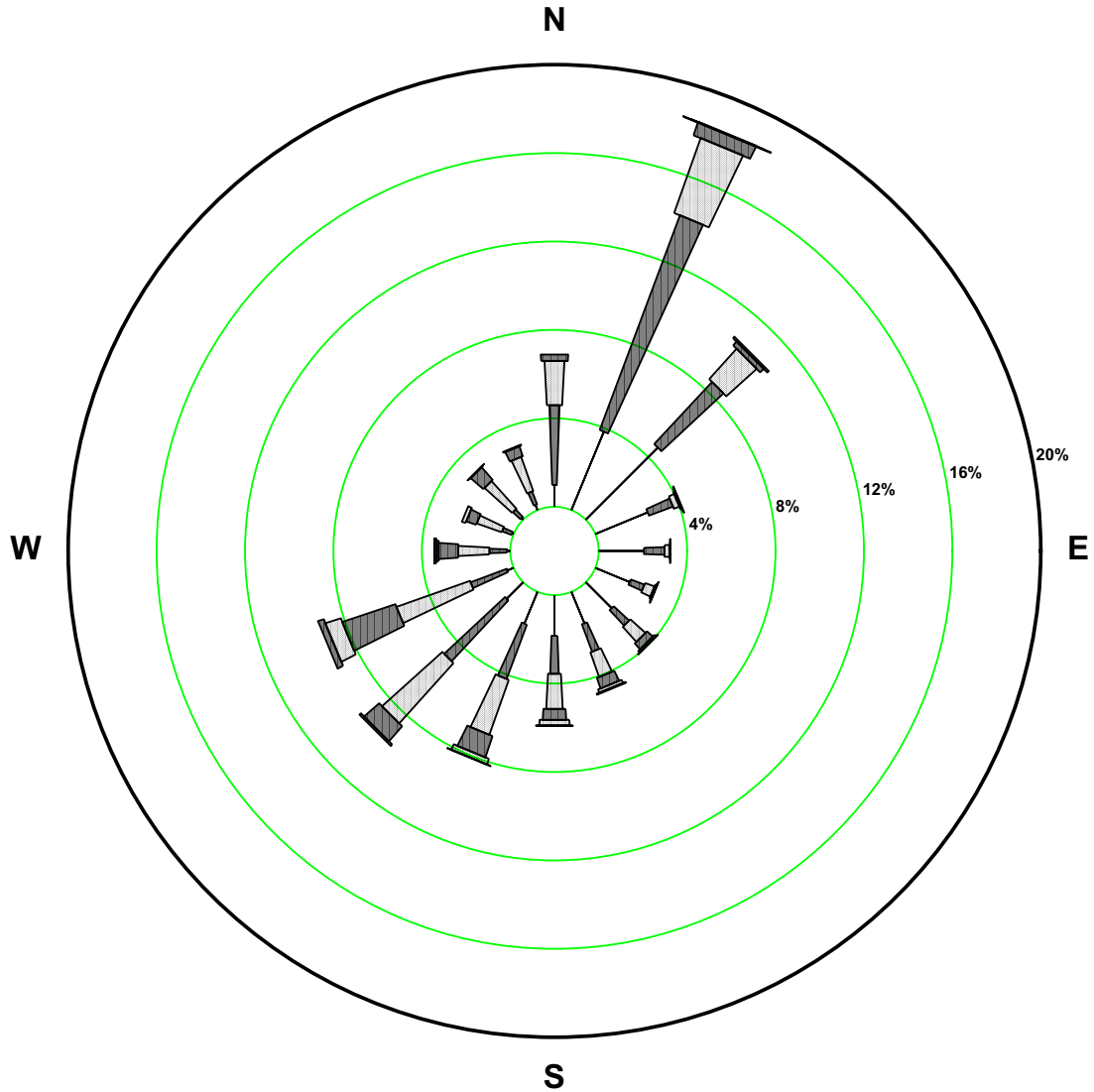


Figure 2.7-76 SSES 60m Fall Wind Rose

SSES FALL 2001 – 2006

60-METER WIND DATA



STABILITY CLASS ALL

CALM WINDS 0.02%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

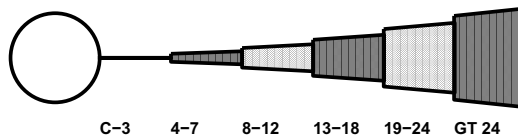
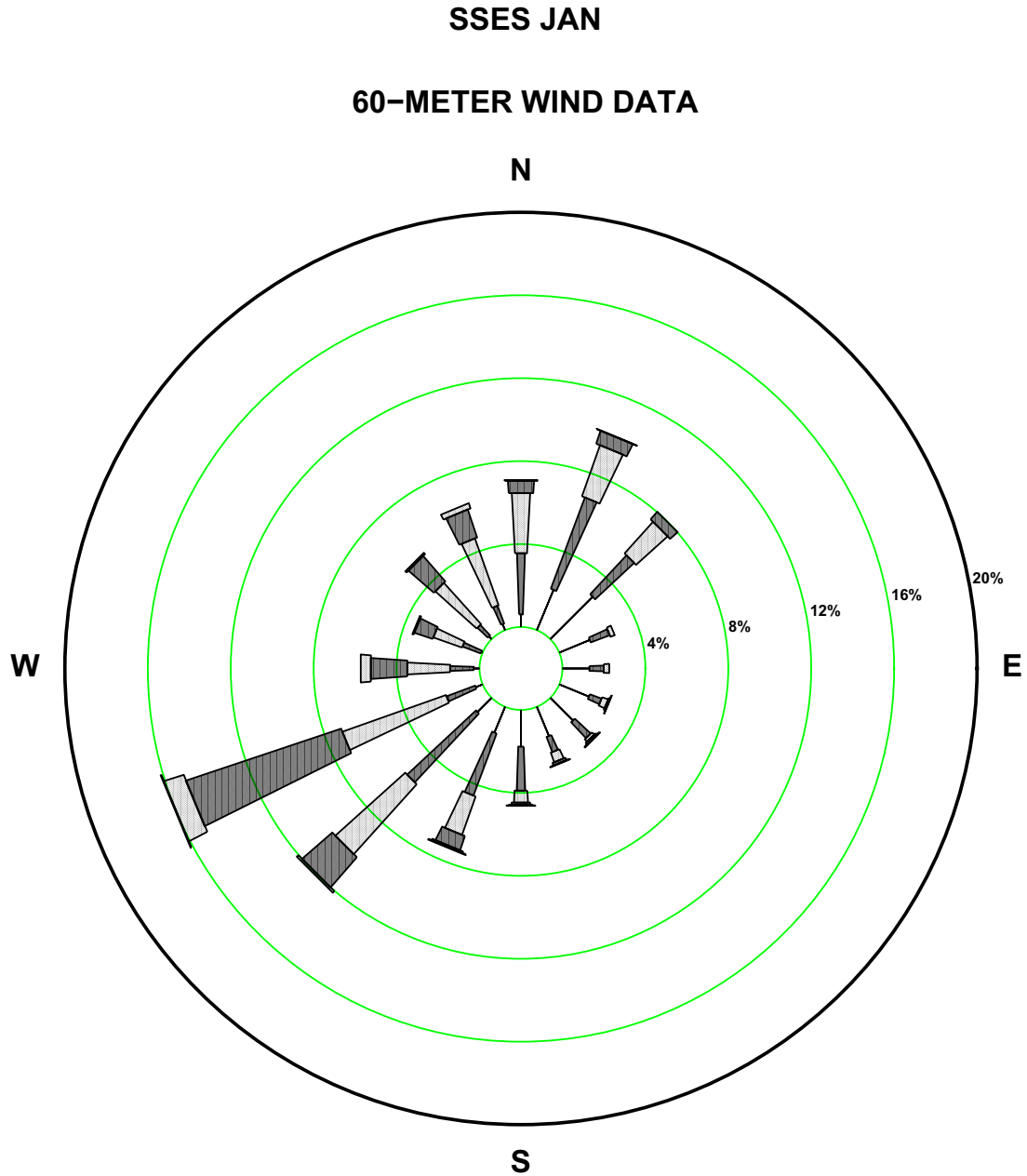


Figure 2.7-77 SSES 60m January Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

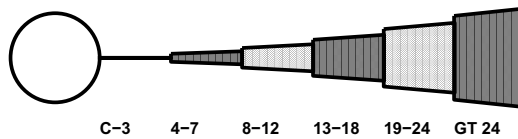
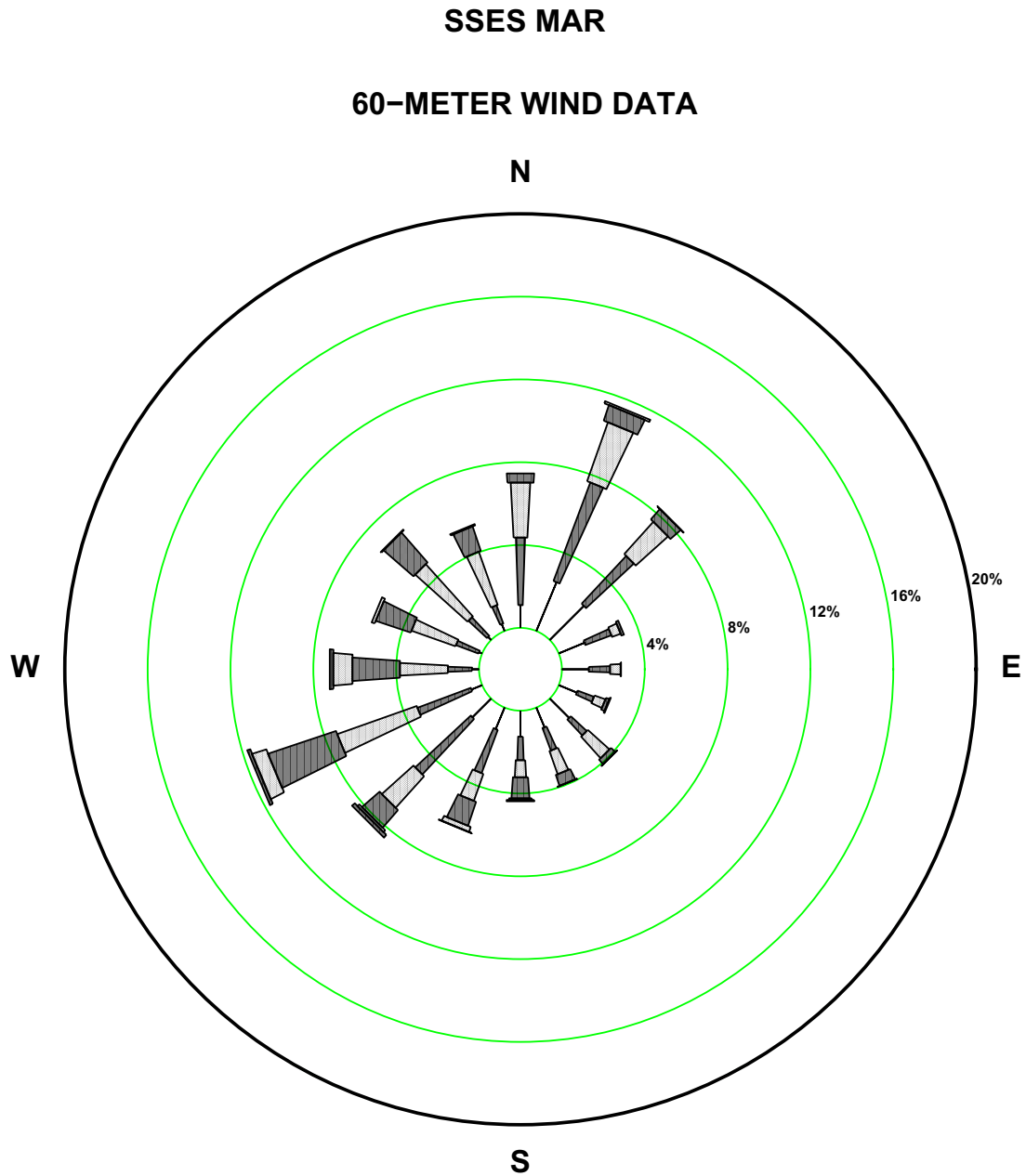


Figure 2.7-79 SSES 60m March Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

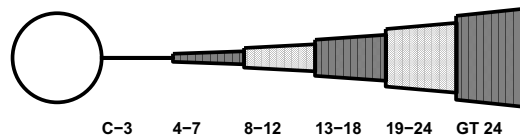
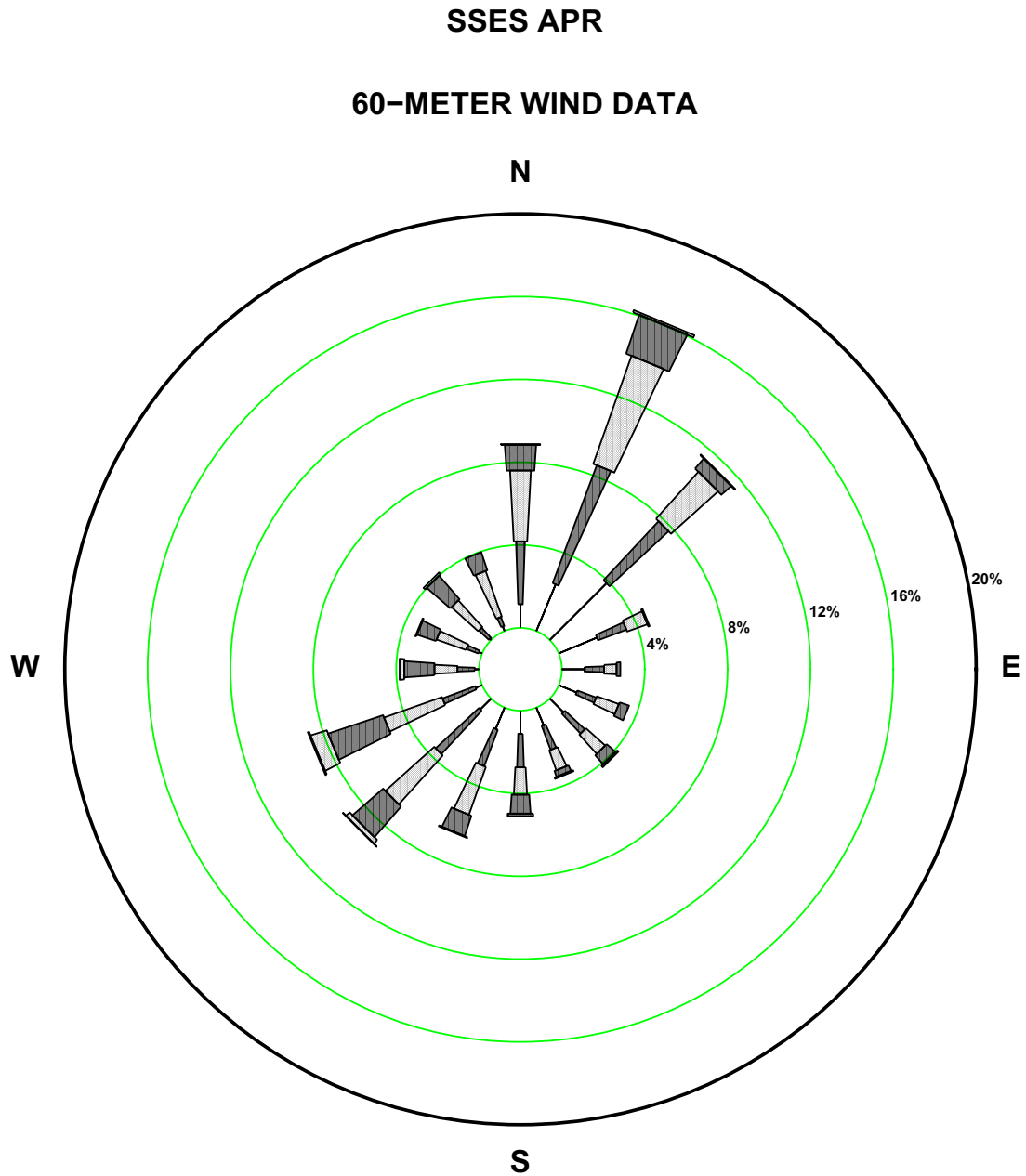


Figure 2.7-80 SSES 60m April Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

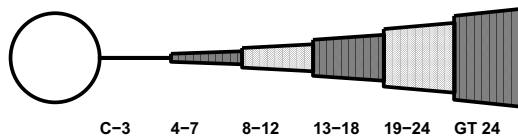
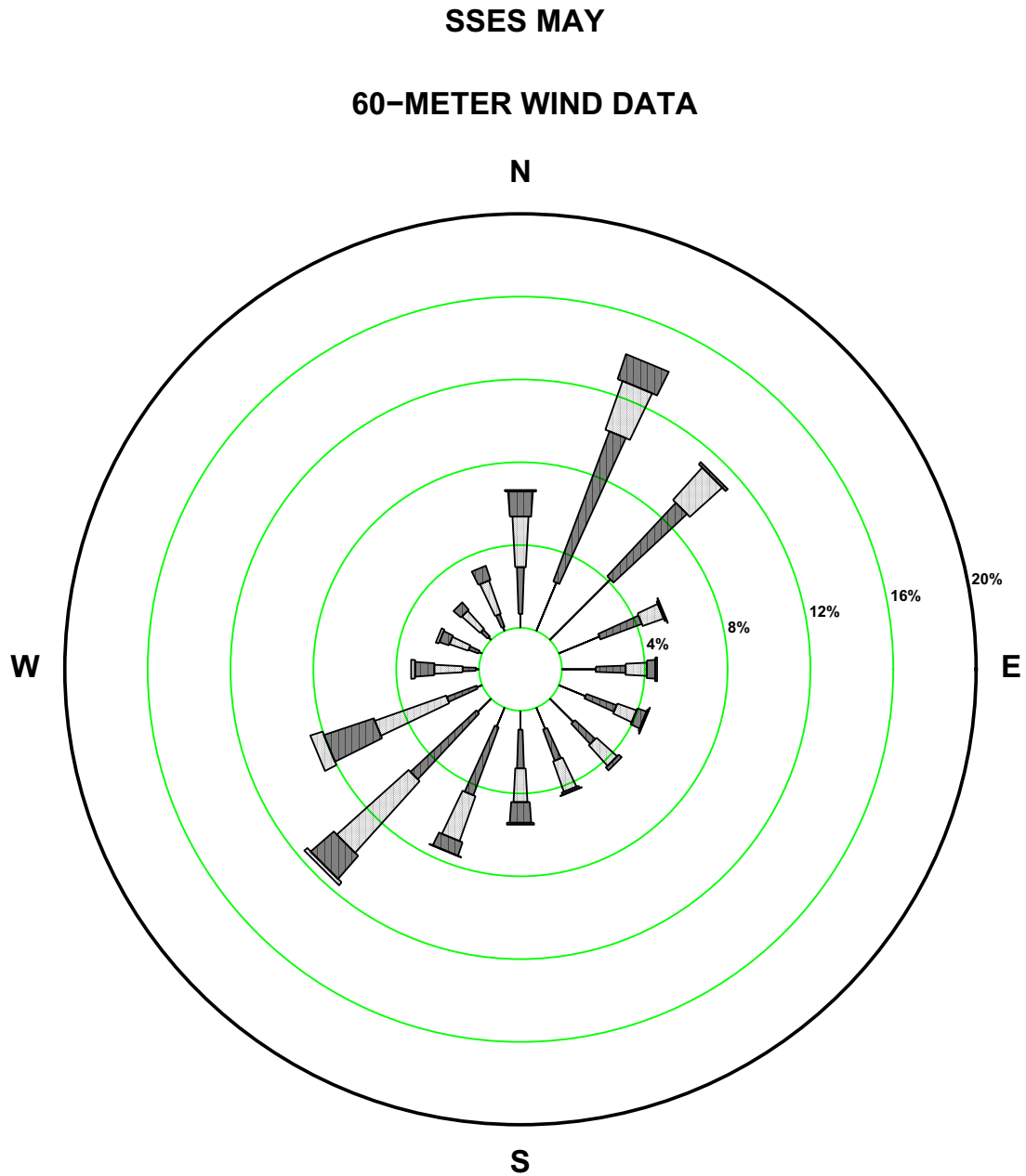


Figure 2.7-81 SSES 60m May Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

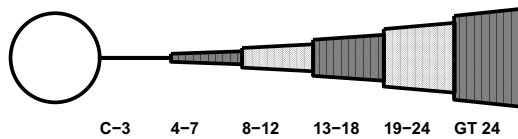
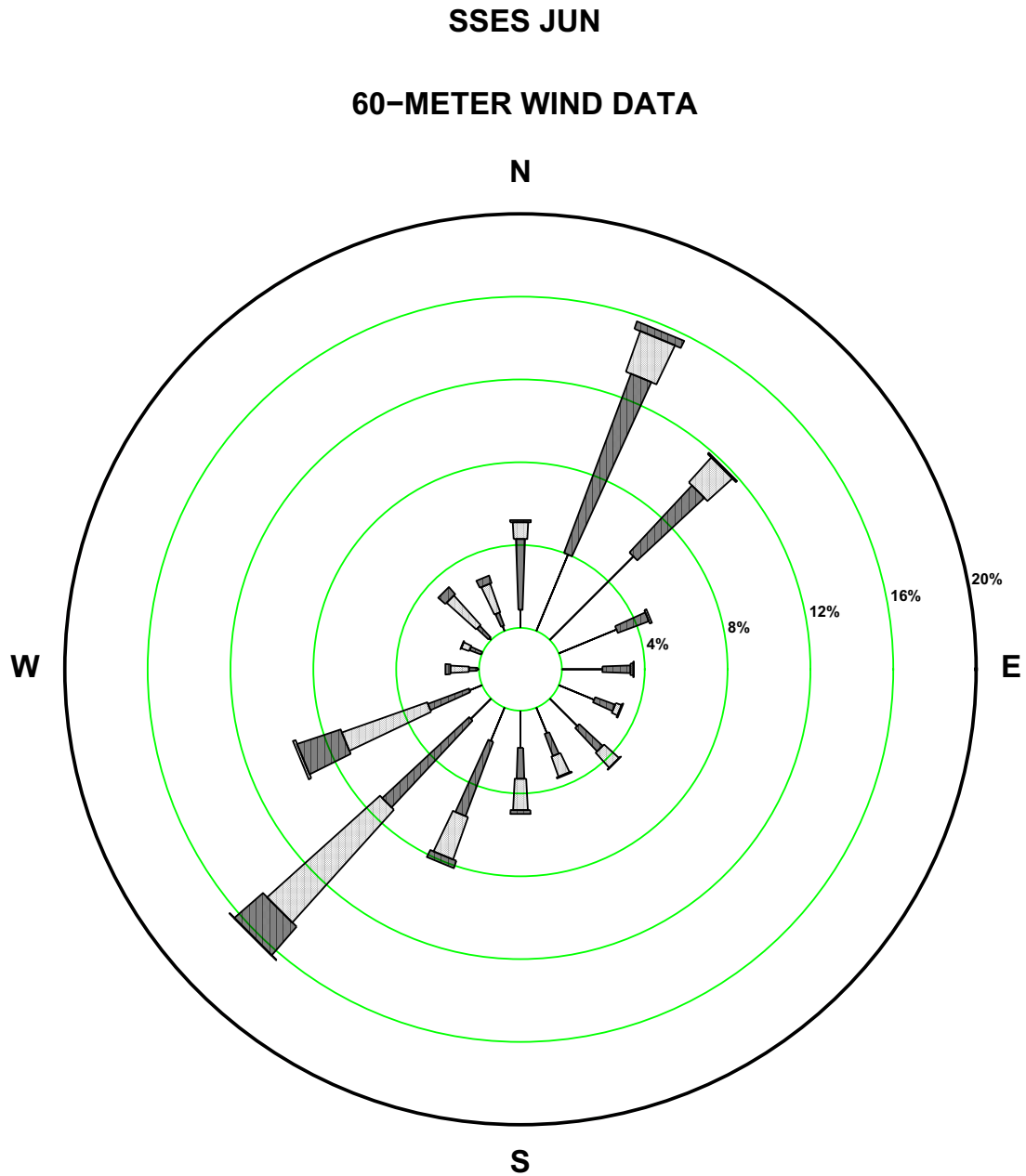


Figure 2.7-82 SSES 60m June Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

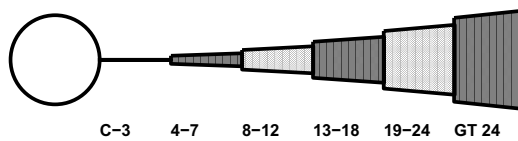
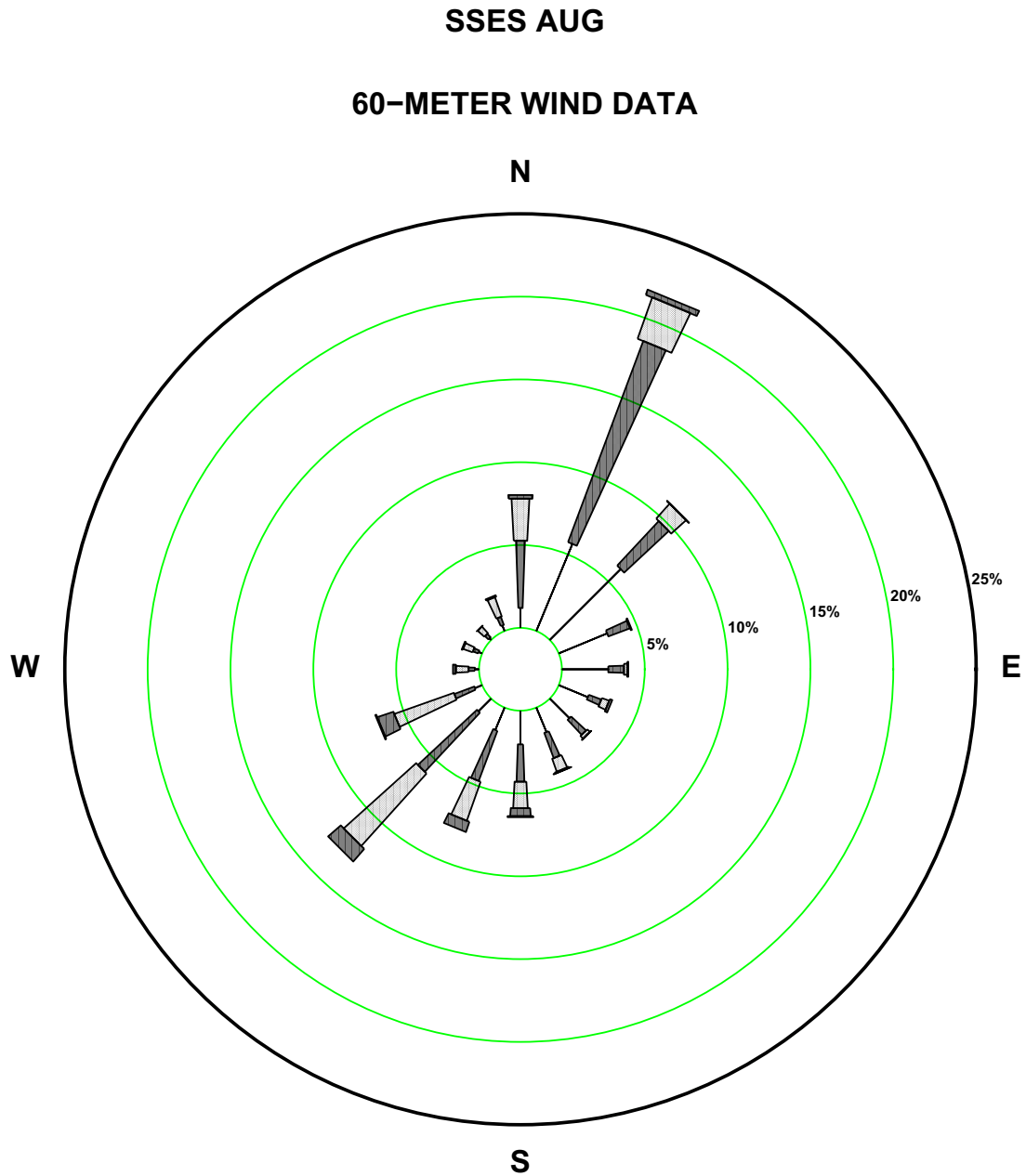


Figure 2.7-84 SSES 60m August Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.02%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

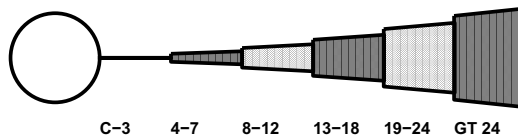
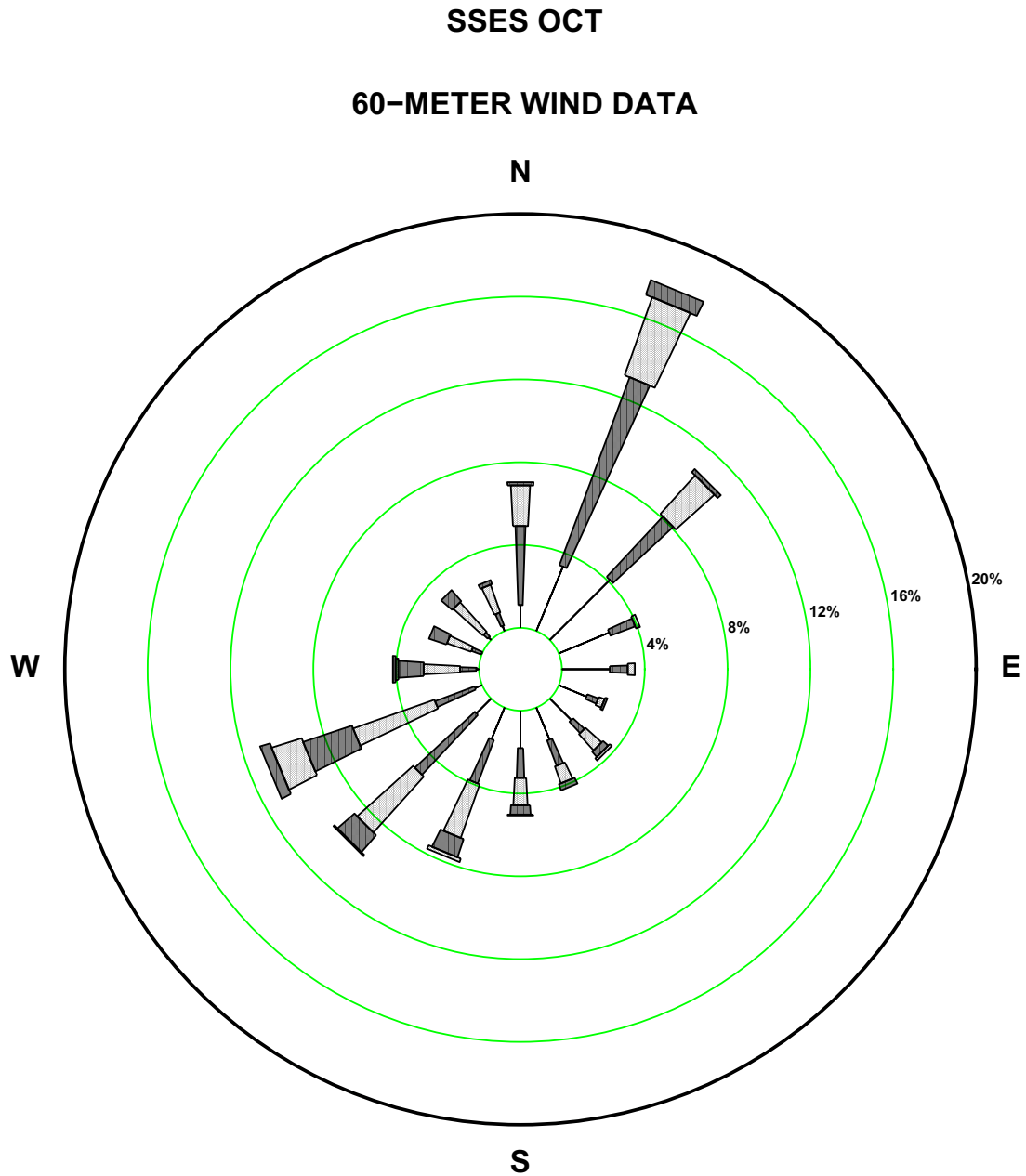


Figure 2.7-86 SSES 60m October Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.05%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

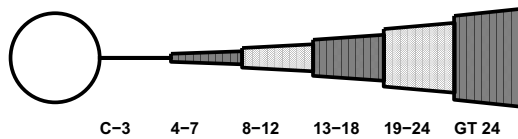
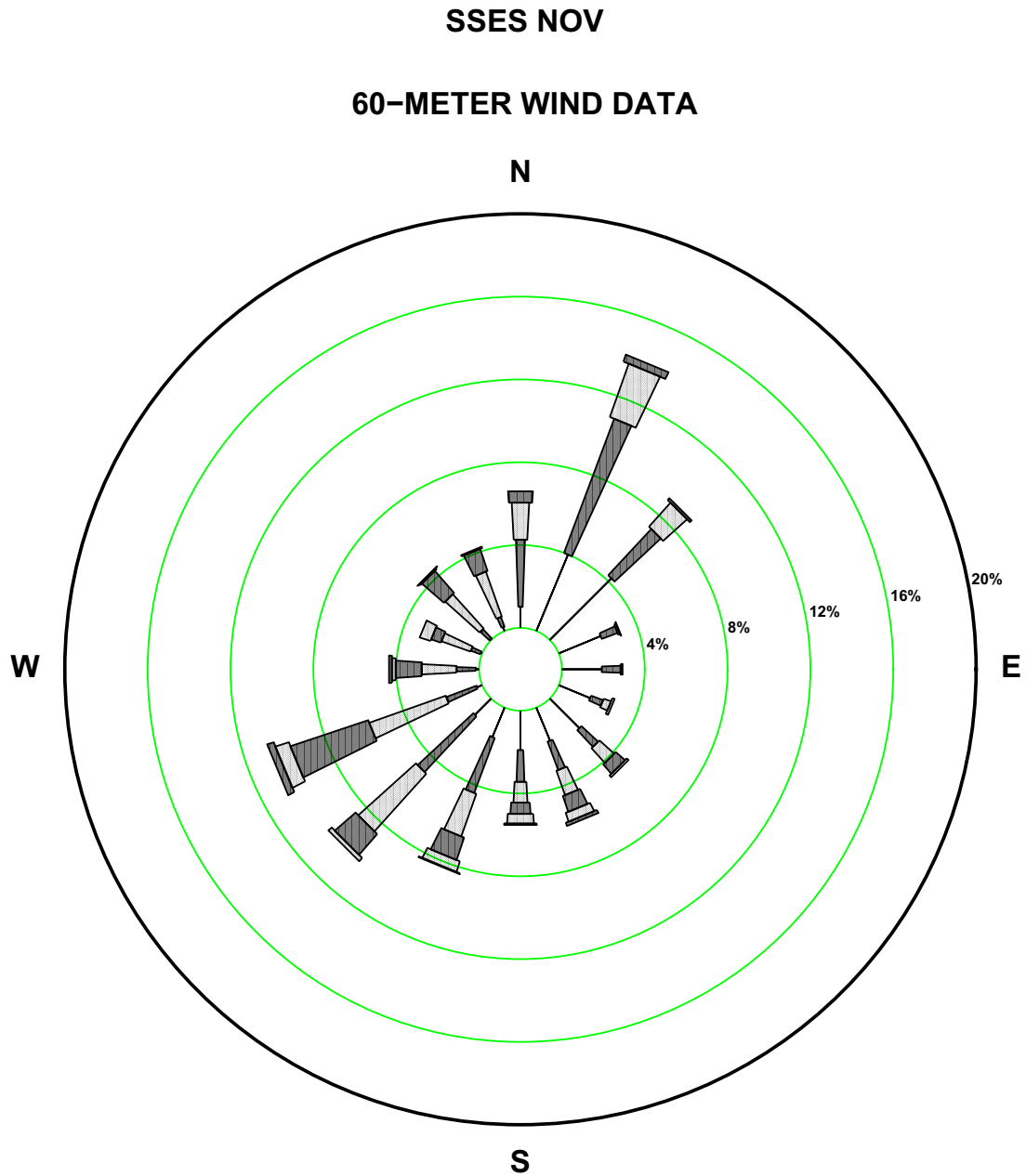


Figure 2.7-87 SSES 60m November Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

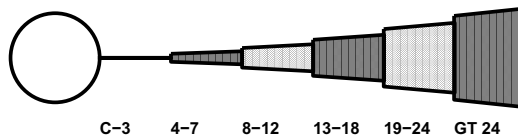
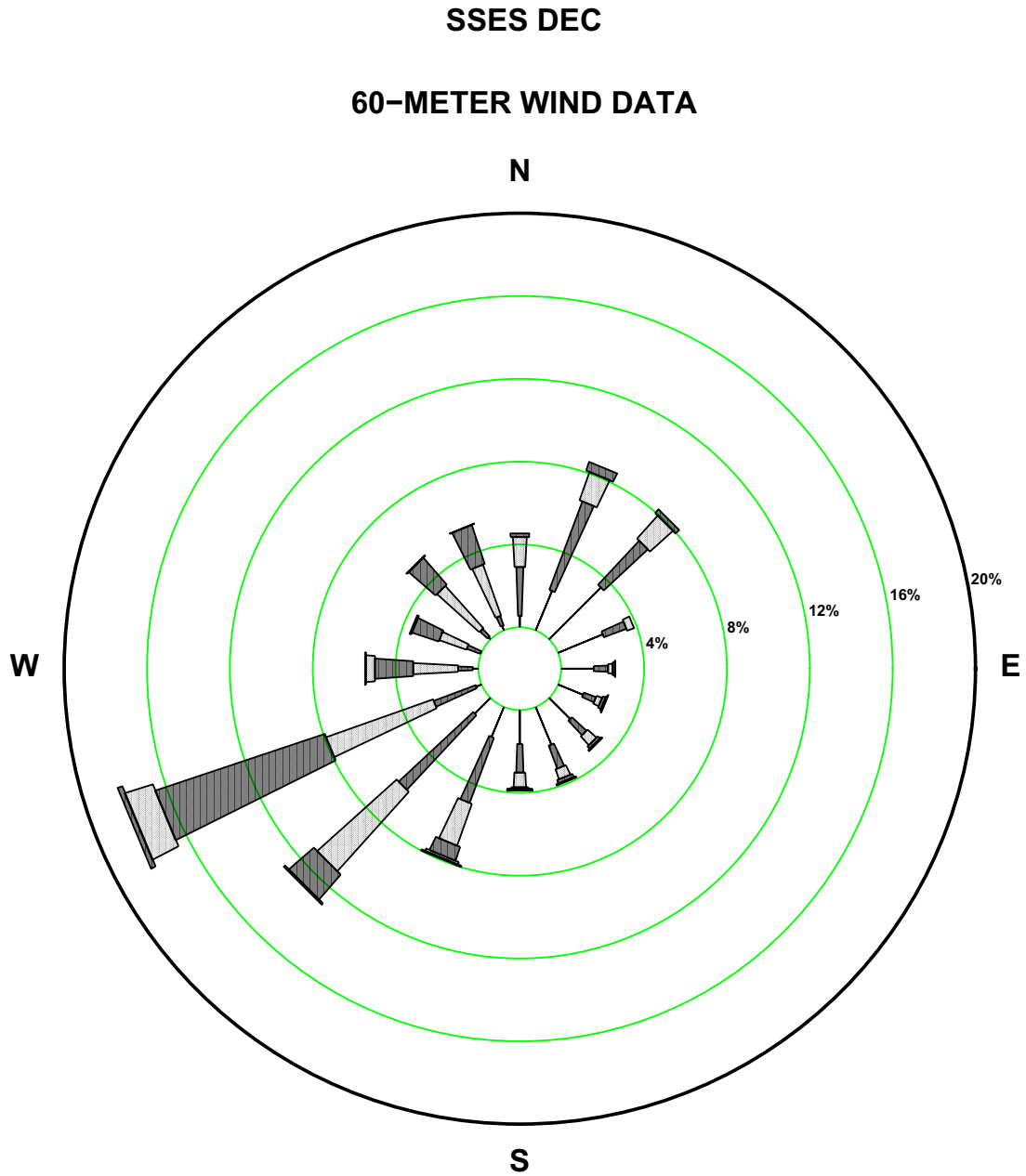


Figure 2.7-88 SSES 60m December Wind Rose



STABILITY CLASS ALL

CALM WINDS 0.00%

WIND SPEED (MPH)

NOTE: Frequencies indicate direction from which the wind is blowing.

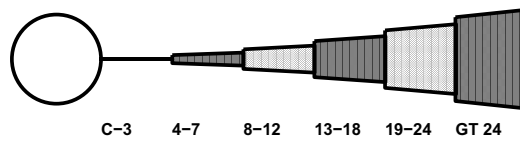


Figure 2.7-89 Wilkes-Barre/Scranton, PA, Wind Rose

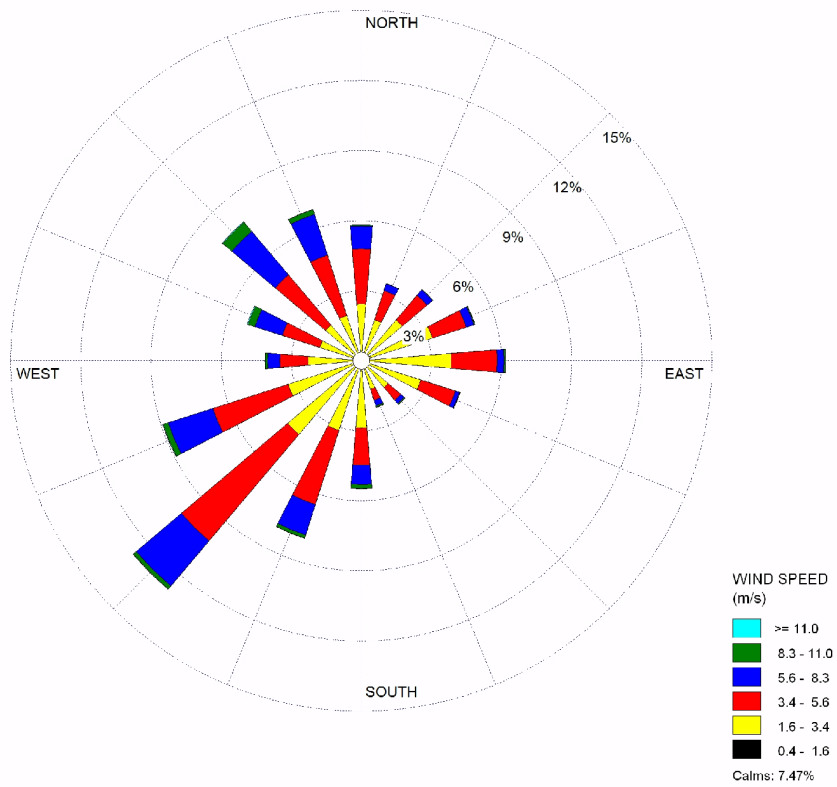


Figure 2.7-90 Allentown, PA, Wind Rose

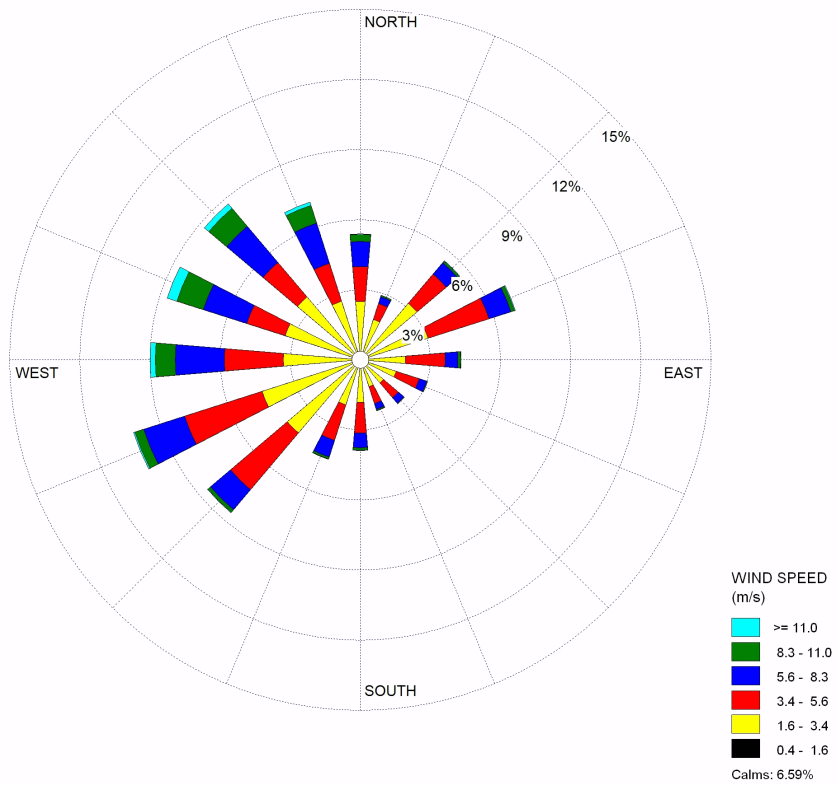


Figure 2.7-91 Williamsport, PA, Wind Rose

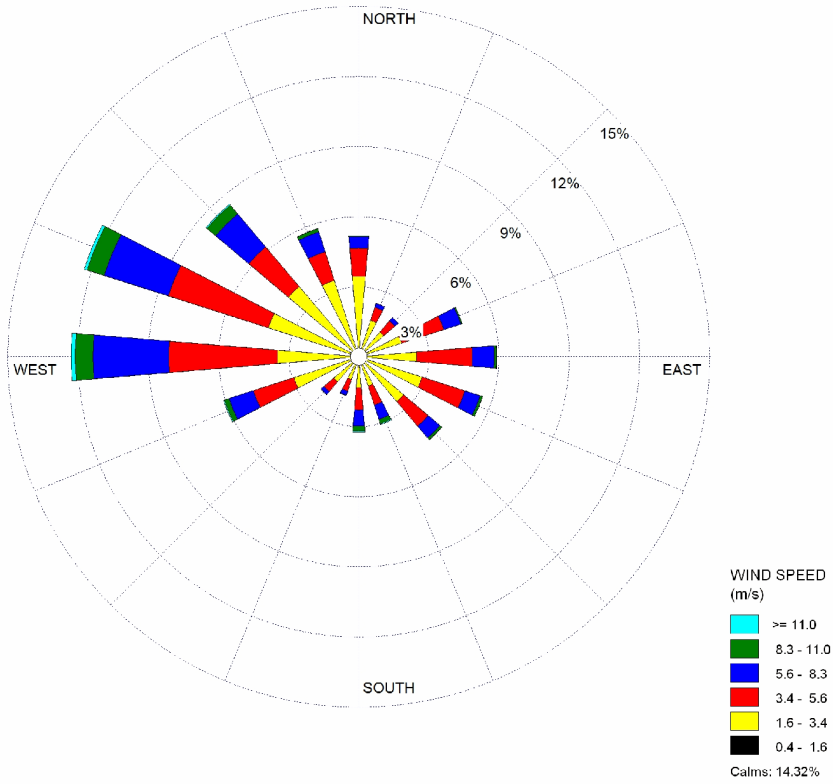


Figure 2.7-92 Maximum Terrain Heights, With Respect to Plant Grade, 0-5 Miles Downwind of Bell Bend by Compass Sector

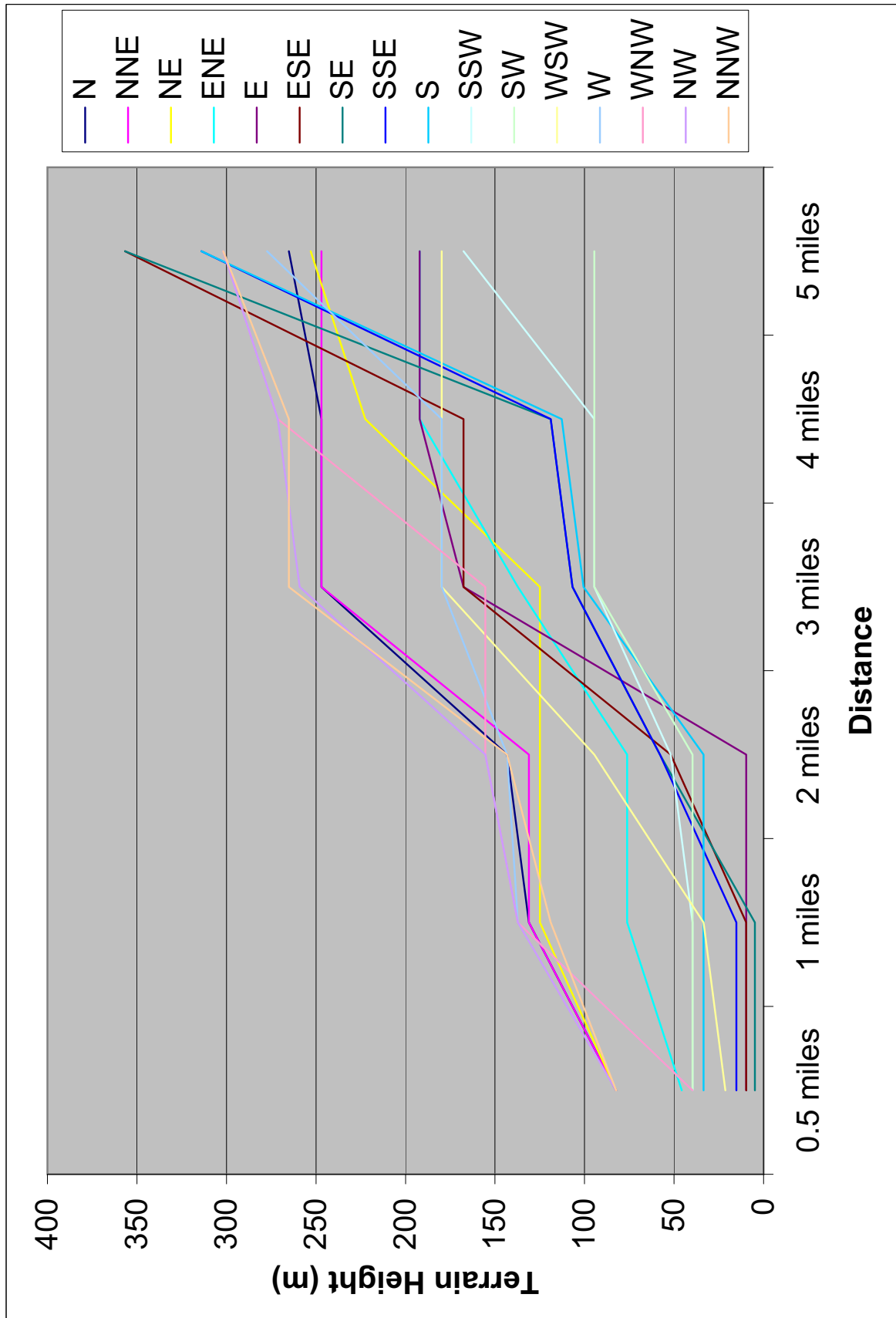


Figure 2.7-93 Maximum Terrain Heights, With Respect to Plant Grade, 0-50 Miles Downwind of Bell Bend by Compass Sector

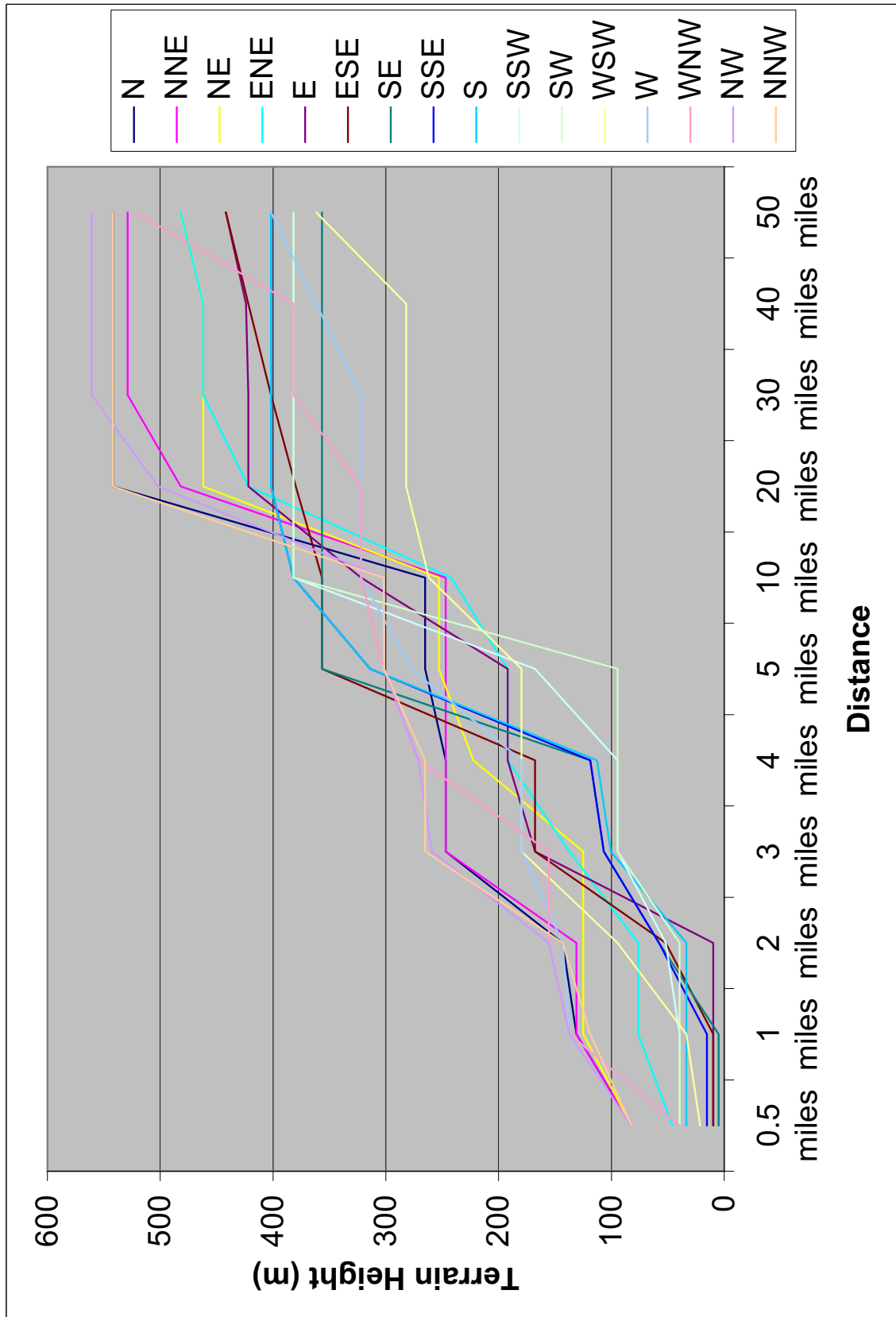


Figure 2.7-95 Topographical Features Within 50 Miles (80 Kilometers) of Bell Bend

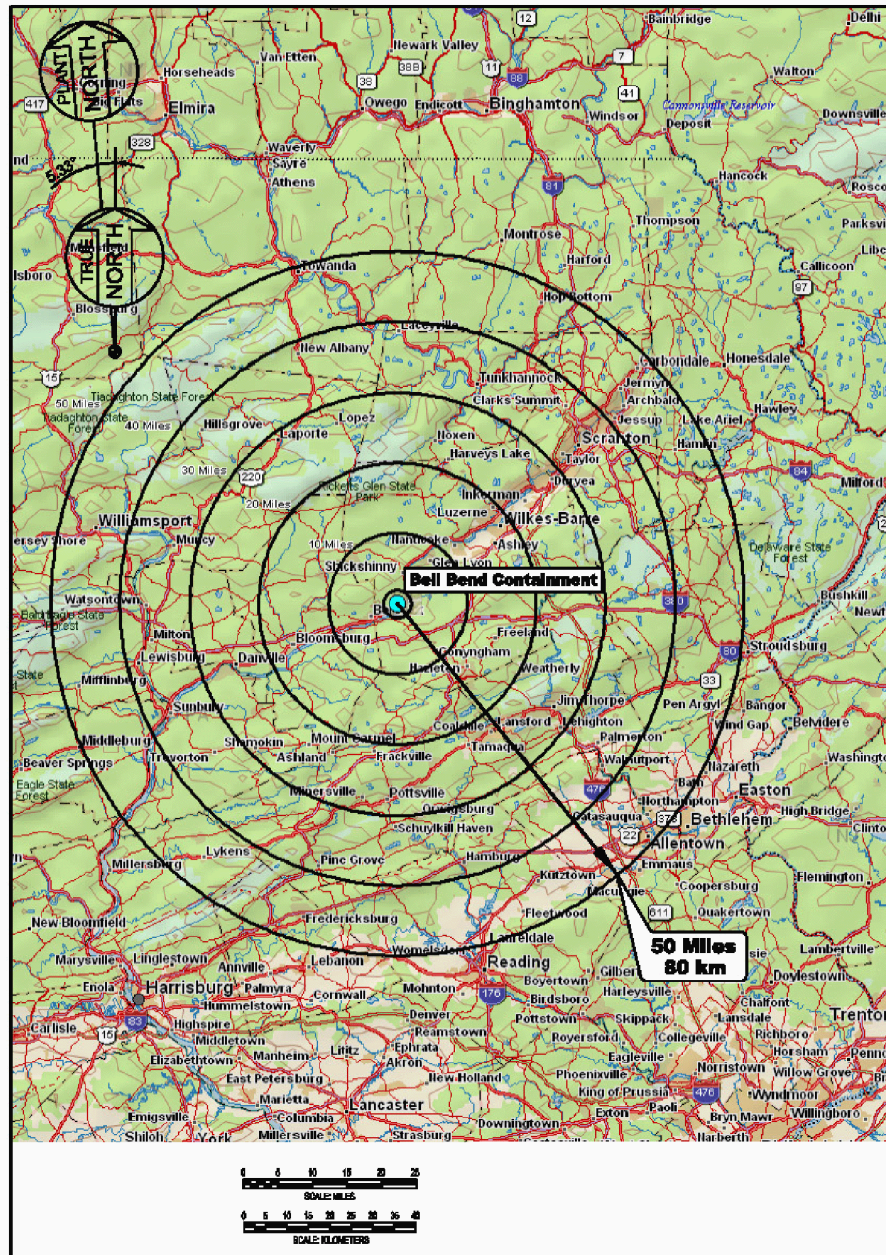


Figure 2.7-96 Monthly Average Mixing Heights

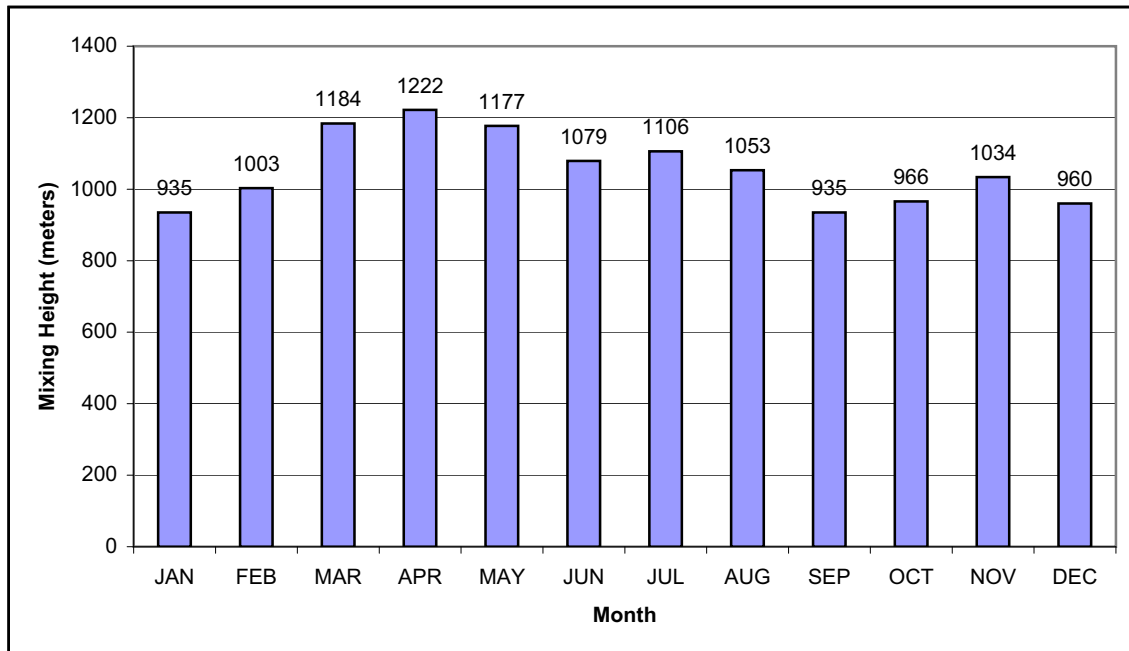


Figure 2.7-97 Baseline BBNPP Leaf-off Sound Survey Measurement Locations

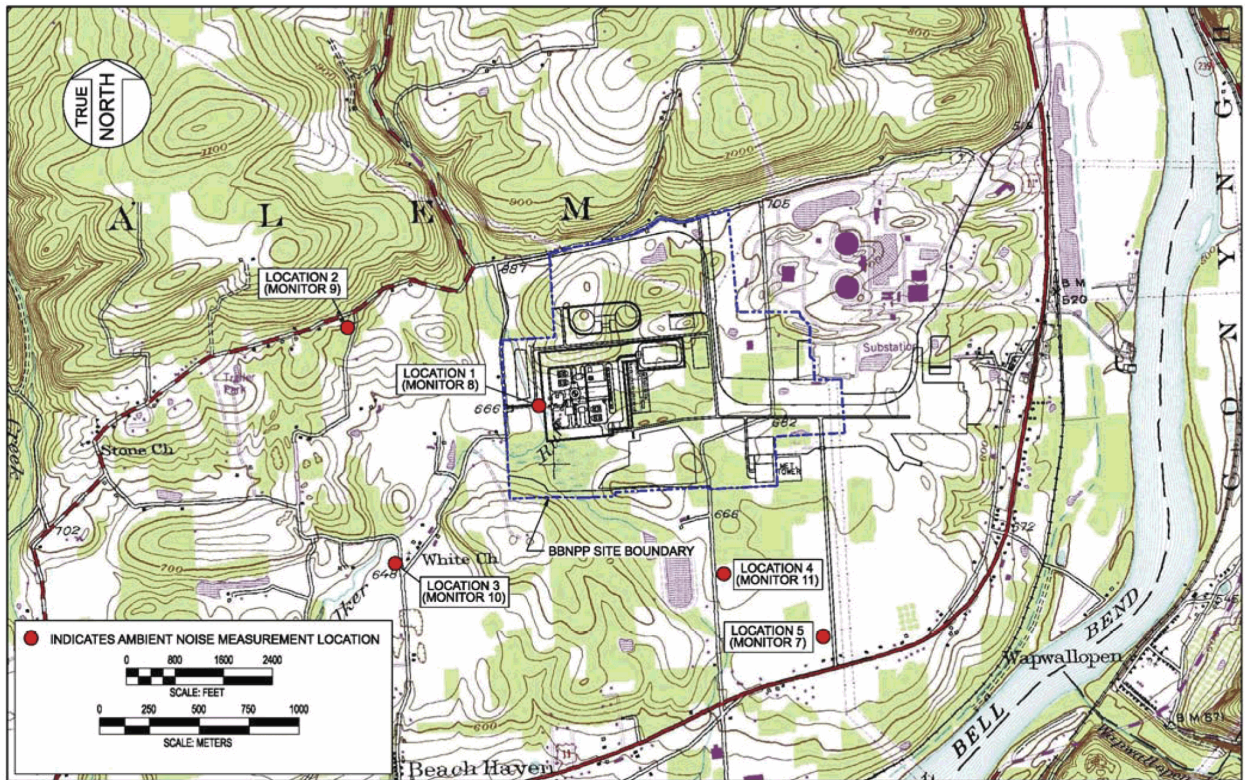
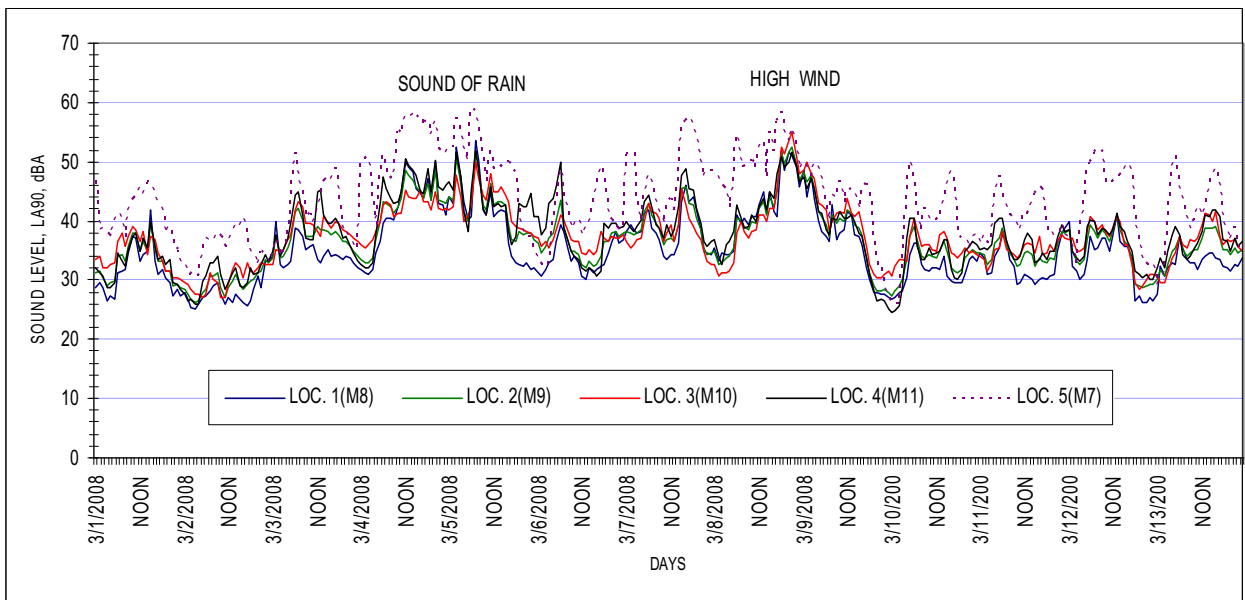


Figure 2.7-98 Measured Hourly Residual (L90) Sound Levels at Survey



2.8 RELATED FEDERAL PROJECT ACTIVITIES

This section discusses the Federal activities that are related to this project and identifies whether there is a need for another Federal agency to participate in the review of the environmental report. Actions related to the granting of licenses, permits, or approvals by other Federal agencies for this project are not discussed in this section.

The project consists of one new nuclear generating plant, the Bell Bend Nuclear Power Plant (BBNPP), which is located to the west of two currently licensed nuclear generating plants at the Susquehanna Steam Electric Station (SSES) site. PPL Bell Bend, LLC is applying for a combined license for the proposed nuclear power plant. The owner of the proposed project is PPL Bell Bend, LLC. The operator of the BBNPP will be the applicant, PPL Bell Bend, LLC.

2.8.1 LAND ACQUISITION AND USE OF ELECTRICAL TRANSMISSION CORRIDORS

The proposed new nuclear power plant is located on property owned by PPL Susquehanna, LLC (90%) and Allegheny Electric Cooperative (10%). A portion of land comprising part of the 500 kV transmission corridor running south to U.S. Rt. 11 is owned by PPL Electric Utilities Corporation (100%). All newly acquired properties (which will be part of the project boundary) are being placed in the name of PPL Bell Bend, LLC (100%). Once the SSES properties are subdivided, the BBNPP property will be placed in the name of PPL Bell Bend, LLC (100%) for the present. No Federal action is required to acquire or use the proposed site.

As detailed further in Section 1.2, PPL Bell Bend, LLC is a subsidiary of PPL Generation, LLC. PPL Susquehanna, LLC, which is also a subsidiary of PPL Generation, LLC, owns a 90% undivided interest in each of the two adjacent nuclear generating units at SSES. Allegheny Electric Cooperative, Inc. owns the remaining 10% undivided interest. PPL Generation, LLC is a subsidiary of PPL Energy Supply, LLC and owns or controls a generating capacity of 11,556 MW in the United States. PPL Energy Supply, LLC is a subsidiary of PPL Corporation, which is engaged in the generation and marketing of electric power in the U.S. and in the delivery of electricity in the United Kingdom.

The net electric generation of the proposed project is to be distributed using the existing offsite transmission corridors and the proposed Susquehanna-Roseland transmission line described below in Section 2.8.6. The Susquehanna-Roseland line will be constructed and permitted independently of the BBNPP project. No additional transmission corridors or other off-site land use will be required to connect the new reactor unit to the existing electrical grid. However, numerous breaker upgrades and associated modifications will be implemented within the existing substations. Additionally, based on the results of a generator interconnection impact study (PJM, 2008), certain sections of two off-site transmission lines will need to be reconductored to avoid network overloads during peak usage periods.

The net electric generation of the proposed project is to be distributed using the existing offsite transmission corridors. No additional transmission corridors or other offsite land use will be required to connect the new reactor unit to the 500 kV electrical grid.

No Federal action is required to acquire or use the existing offsite transmission corridors.

2.8.2 COOLING WATER SOURCE AND SUPPLY

Federal action to ensure the availability of cooling water source and supply is not anticipated during the lifetime of the proposed project.

2.8.3 OTHER FEDERAL ACTIONS AFFECTING CONSTRUCTION OR OPERATION

No Federal projects or activities were identified that must be completed as a condition of plant construction or operation.

2.8.4 FEDERAL AGENCY PLANS USED TO JUSTIFY THE NEED FOR POWER

The need for the power generated by the proposed project has not been justified based on plans or commitments of any Federal agency for significant new power purchases.

2.8.5 PLANNED FEDERAL PROJECTS CONTINGENT ON PLANT CONSTRUCTION OR OPERATION

No planned Federal projects have been identified that are contingent upon construction and operation of the proposed project.

2.8.6 NON-FEDERAL POTENTIAL IMPACTS

There are currently two known, planned non-Federal projects or activities in the region around the proposed project that may contribute to cumulative impacts in the areas of water consumption, water quality, air quality, transportation infrastructure, or socioeconomic resources. These include a new 42-in (106.7-cm) natural gas pipeline in Luzerne County, PA and the Susquehanna-Roseland electrical transmission line.

Transco proposes to expand its existing Leidy gas pipeline to allow additional transport of gas to southern New York. Part of the pipeline is located in Luzerne County (FERC, 2006).

The proposed electrical transmission line would run from a substation near the existing SSES to Roseland New Jersey for a total distance of approximately 130 mi (209 km) (FERC, 2008).

Additionally, SSES Units 1 and 2 were granted a 13% extended power uprate (EPU) by the Nuclear Regulatory Commission on January 30, 2008 (NRC, 2008a; NRC, 2008b). When fully implemented, the uprate is expected to increase the amount of cooling water that is being withdrawn from, and discharged back to, the Susquehanna River (PPL, 2006).

The potential impacts of these projects are discussed in Section 10.5

2.8.7 REFERENCES

FERC, 2006. U.S. Federal Energy Regulatory Commission, Order Issuing Certificate, Docket No. CP06-34-000, Transcontinental Gas Pipe Line Corporation, May 18, 2006.

FERC, 2008. U.S. Federal Energy Regulatory Commission, Order on Petition For Declaratory Order, Docket No. EL08-23-000, Susquehanna-Roseland Transmission Project, April 22, 2008.

NRC, 2008a. PPL Susquehanna, LLC and Allegheny Electric Cooperative, Inc., Docket No. 50-387, Susquehanna Steam Electric Station, Unit 1, Amendment to Facility Operating License, Amendment No. 246, License No. NPF-14, January 30, 2008.

NRC 2008b. PPL Susquehanna LLC and Allegheny Electric Cooperative Inc., Docket No. 50-388, Susquehanna Steam Electric Station, Unit 2, Amendment to Facility Operating License, Amendment No. 224, License No. NPF-22, January 30, 2008

PJM, 2008. PJM Generation Interconnection R01/R02 Susquehanna 1600 MW Impact Study, DMS #47826, April 2008

PPL, 2006. Susquehanna Steam Electric Station Units 1 & 2 License Renewal Application, Appendix E, "Applicant's Environmental Report - Operating License Renewal Stage, Susquehanna Steam Electric Station," PPL Susquehanna LLC, September 2006.

