SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

AD-A205 069

STATION: #13769 Oceana, VA
LAT. 36:48 N. LONG. 76:02 W.

PERIOD: HOURLY; 1945-1987
DAILY: 1945-1987

ELEVATION: 22 feet

JOB NO. TASK RN3AB21D DATE December 1988

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Approved for public release;
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover.

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure.

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

From: Officer in Charge, Naval Oceanography Command Detachment Asheville

Subj: SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS)

1. Discussion. This edition of the SMOS was produced utilizing a revised software package. The product has been expanded to include station climatic summary tables and is considered a stand alone publication. This update includes the period of record (POR) through 1986 for all hourly and daily data. Our revised production methodology incorporates two computerized editing phases after the initial processing stage and a manual review and intervention of suspect data prior to the print phase. Every effort has been made to produce at least a 99.9 percent data perfect product based on the stations observation data. We have switched to a direct computer printout on standard computer paper instead of the previous print format. This results in a 85 percent print cost savings over our old specialized print format.

2. Weather Conditions. This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in two tables as follows:

Table 13 By month, all years combined, by standard 3-hour groups and all hours combined.

Table 14 By month and annual, all hours and years combined, by wind direction.

Occurrences of the various phenomena included in each category on the forms are listed below:

a. Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

b. Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

c. Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

d. Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

e. Hail - Occurrences of hail and small hail are included.

f. Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

g. Fog - Included are fog, ice fog, and ground fog.

h. Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

i. Blowing snow - Occurrences of blowing snow also drifting snow when reported from non-WBAN sources.

j. Dust and/or sand - Included are blowing dust, blowing sand, and dust.

k. Blowing spray - This item if reported, is not shown in a separate category on this table but is included in the computation Percentage of Observations with Obstructions to Vision.

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1. Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

3. Atmospheric Phenomena **Table 36:** This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

a. The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

b. This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

4. Precipitation, Snowfall and Snow Depth. These elements are presented using the daily amounts and extreme value.

a. **Tables 8, 9, and 10** provide for each element separately the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least).

b. **Table 21** for each element presents the extreme daily amounts by individual month and day for the entire period of record available.

c. **Tables 23, 24, and 25** provide for each element separately individual year and month extreme daily amounts and the means and standard deviations for each month and annual for all months combined.

NOTE 1: Snow depth was recorded and punched at various hours during the period available from U.S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

U.S. Navy and Weather Bureau Stations:

From beginning of record thru Jun 52	- Snow depth at 0030 UTC
Jul 52 - May 57	Snow depth at 1230 UTC
Jun 57 - present	Snow depth at 1200 UTC

NOTE 2: Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

5. Surface Winds.

a. Extreme Values - Peak Gusts Table 27: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with <90% observations reported is also provided.

b. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction. A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

Table 1 contains three presentations prepared for all surface winds included, and for all years combined as follows:

(a) By month - by standard 3-hour groups

(b) By month - all hours combined

(c) Annual - all hours combined

6. Ceiling Versus Visibility Table 2. This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

(a) By Month - by standard 3-hour groups

(b) By Month - all years and all hours combined

(c) Annual - all years and all hours combined

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minimal may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on on the following pages.

Beginning in July 1948 for U. S. Air Force stations and January 1949 for National Weather Service (NWS) and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800 ≥ 1500					91.0											92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400										97.4						98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1: Read ceiling values independently of visibility under column at right headed > 0. For instance, from the table:

Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2: Read visibilities independently of ceilings on bottom line opposite > 0. From the tables:

Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3: To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

EXAMPLE # 4: Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5: To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 miles.

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

7. Sky Cover Table 11. This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover (see Note 3) and total number of observations. It is presented as follows:

By month and annual - by standard 3-hour groups, and all hours combined.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. NWS stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some data sources used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS	TENTHS
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

0/10 equates to clear
1/10 to 5/10 equates to scattered
6/10 to 9/10 equates to broken
10/10 equates to overcast

8. Psychrometric Summaries.

a. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:

Table 5 Daily maximum temperature
Table 6 Daily minimum temperature
Table 7 Daily mean temperature

b. Daily Average/Extreme Temperatures Table 29 derived observations and presented for each month and day for entire period of record available are average temperature, average and extreme maximum temperature, average and extreme minimum.

c. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard of daily extreme temperatures are prepared:

Table 30 Extreme maximum temperature
Table 31 Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

d. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature Table 3. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:

(1) The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression is 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total number of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table.

NOTE: A percentage frequency in this table of '.0' represents one or more occurrences amounting to less than .05 percent.

(2) Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of each page. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means ($\bar{X}$), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

(3) At the lower right of each page Table 40 gives the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

d. Means and standard deviations. These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

Table 15 Dry-bulb temperature
Table 16 Wet-bulb temperature
Table 17 Dew-point temperature

e. Cumulative percentage frequency of occurrence of relative humidity Table 12. This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

By Month and Annual - by standard 3-hour groups, and all hours combined with the hour groups being the vertical argument. All years are combined for this summary.

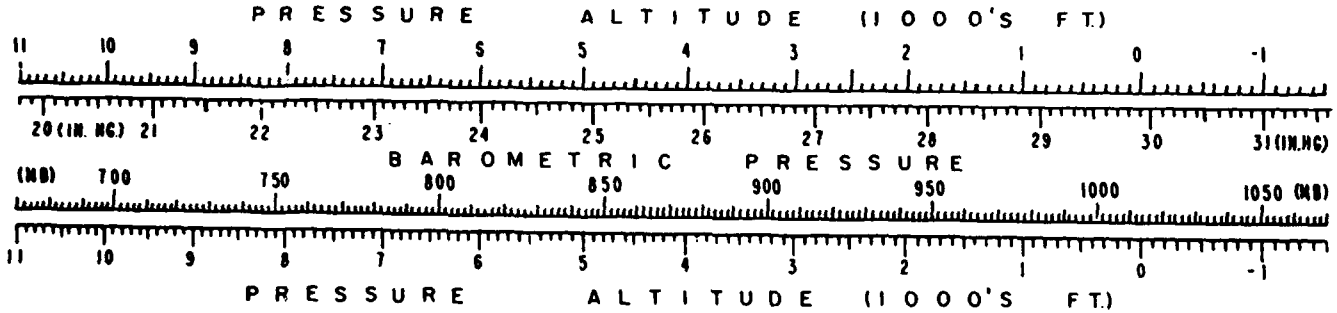
f. Percentage frequency of occurrence of dry-bulb temperature versus wind direction **Table 4.** This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in five degree increments and horizontally by eight wind directions (plus calm).

9. Pressure Summary. Two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times UTC. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables.

Table 18 Station pressure in inches of mercury

Table 19 Sea-level pressure in millibars

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure latitude in 1000's of feet. This scale is an enlarged model of the pressure latitude scale in the Smithsonian Meteorological Tables.



M. L. DICKENSON

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TABULATION INDEXES BY NUMBER

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2	CEILING VERSUS VISIBILITY -- BY HOUR
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12	REL HUM -- HOUR VS REL HUM AMTS VS MONTH
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38	OMITTED
39	OMITTED

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013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.0	2.8	4.7	3.0	.8	.3	.2	.0	.0	.0	.0	12.6	9.6
NNE	1.0	1.4	1.5	.9	.3	.0	.0	.0	.0	.0	.0	5.1	7.6
NE	.4	.5	.6	.3	.1	.0	.1	.0	.0	.0	.0	2.0	8.5
ENE	.4	.6	.5	.3	.0	.0	.0	.0	.0	.0	.0	1.9	7.1
E	.6	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	1.6	5.7
ESE	.1	.5	.9	.1	.0	.0	.0	.0	.0	.0	.0	1.6	7.3
SE	.4	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0	1.3	6.7
SSE	.8	.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	1.9	5.6
S	1.3	2.0	.9	.4	.0	.0	.0	.0	.0	.0	.0	4.7	5.6
SSW	.7	3.1	2.5	1.3	.4	.1	.0	.0	.0	.0	.0	8.2	7.9
SW	2.0	2.9	2.3	1.0	.2	.0	.0	.0	.0	.0	.0	8.3	6.3
WSW	1.4	2.1	2.5	.7	.3	.0	.0	.0	.0	.0	.0	7.0	7.1
W	1.8	1.5	3.0	1.0	.2	.0	.0	.0	.0	.0	.0	7.5	7.2
WNW	.9	1.5	1.2	.8	.4	.0	.0	.0	.0	.0	.0	4.8	7.9
NW	.8	1.7	1.5	2.2	.5	.1	.0	.0	.0	.0	.0	6.8	9.4
NNW	.8	1.3	2.2	2.5	.9	.4	.0	.0	.0	.0	.0	8.0	10.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.8	.0
ALL	14.4	23.2	25.5	15.0	4.0	.8	.3	.0	.0	.0	.0	100.0	6.7

TOTAL NO. OF OBS : 1115

NOTES :
* = PERCENT < .05

U13769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.5	3.4	5.8	2.2	.5	.1	.2	.0	.0	.0	.0	13.7	8.5
NNE	.2	1.3	1.8	1.2	.3	.0	.0	.0	.0	.0	.0	4.8	9.0
NE	.2	.8	1.0	.4	.1	.1	.0	.0	.0	.0	.0	2.5	8.4
ENE	.2	.3	1.1	.1	.2	.0	.0	.0	.0	.0	.0	1.8	8.5
E	.5	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	1.6	5.2
ESE	.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.2
SE	.4	.7	.6	.4	.0	.0	.0	.0	.0	.0	.0	2.2	6.4
SSE	.6	.4	.2	.3	.1	.0	.0	.0	.0	.0	.0	1.5	6.9
S	1.4	1.2	.9	.4	.0	.0	.0	.0	.0	.0	.0	4.0	5.5
SSW	1.2	2.9	2.0	.7	.3	.0	.0	.0	.0	.0	.0	7.0	6.6
SW	3.3	3.1	2.2	1.1	.4	.2	.0	.0	.0	.0	.0	10.3	6.6
WSW	1.9	2.9	2.7	1.2	.0	.0	.0	.0	.0	.0	.0	8.6	6.5
W	1.0	3.1	2.3	.7	.3	.0	.0	.0	.0	.0	.0	7.4	7.1
WNW	.7	1.2	.8	.6	.0	.1	.0	.0	.0	.0	.0	3.4	7.4
NW	.4	1.0	2.3	2.3	.6	.1	.0	.0	.0	.0	.0	6.8	10.3
NNW	1.0	1.2	2.2	3.1	.8	.3	.1	.0	.0	.0	.0	8.7	10.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.2	.0
ALL	14.7	24.3	26.5	14.7	3.5	.8	.3	.0	.0	.0	.0	100.0	6.6

TOTAL NO. OF OBS : 1113

NOTES :
* = PERCENT < .05

MOORE PUBLISHERS, CHARLOTTE, N.C.

1 - SURFACE WINDS

13769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.9	2.8	5.3	2.6	.9	.2	.0	.0	.0	.0	.0	13.8	8.8
NNE	.5	1.3	1.6	1.1	.4	.1	.0	.1	.0	.0	.0	5.1	9.6
NE	.4	.6	1.8	.6	.1	.1	.0	.0	.0	.0	.0	3.6	8.5
ENE	.6	.5	.6	.6	.1	.0	.0	.0	.0	.0	.0	2.4	7.9
E	.2	1.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.8	5.7
ESE	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.6	6.7
SE	.3	.8	.7	.2	.0	.0	.0	.0	.0	.0	.0	2.1	6.6
SSE	.9	.6	.9	.1	.0	.0	.0	.0	.0	.0	.0	2.5	5.4
S	1.0	1.1	.6	.2	.2	.1	.1	.0	.0	.0	.0	3.3	7.2
SSW	1.2	2.4	2.0	1.1	.3	.2	.0	.0	.0	.0	.0	7.2	7.7
SW	2.8	3.6	2.8	1.5	.6	.0	.0	.0	.0	.0	.0	11.4	6.8
WSW	1.9	1.7	2.5	1.1	.2	.1	.0	.0	.0	.0	.0	7.6	7.3
W	1.5	2.1	2.8	1.1	.2	.1	.0	.0	.0	.0	.0	7.8	7.4
WNW	.4	1.3	1.1	.4	.0	.1	.0	.0	.0	.0	.0	3.2	7.3
NW	1.1	.8	1.9	1.8	.2	.1	.0	.0	.0	.0	.0	5.9	8.9
NNW	.6	2.0	3.0	2.0	1.2	.2	.1	.0	.0	.0	.0	9.2	10.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.4	.0
ALL	15.5	23.2	28.3	14.6	4.6	1.2	.2	.1	.0	.0	.0	100.0	7.0

TOTAL NO. OF OBS : 1234

NOTES :
* = PERCENT < .05

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JAN
CLASS : ALL WEATHER HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.6	2.6	5.7	4.8	1.1	.5	.0	.0	.0	.0	.0	15.3	10.5
NNE	.5	1.2	2.5	1.5	.3	.1	.0	.0	.0	.0	.0	6.1	9.4
NE	.2	1.9	2.6	.9	.1	.0	.0	.0	.0	.0	.0	5.7	8.0
ENE	.2	.7	1.1	.2	.1	.1	.0	.0	.0	.0	.0	2.4	8.2
E	.6	.8	.6	.4	.0	.0	.0	.0	.0	.0	.0	2.5	6.2
ESE	.2	.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.8	6.6
SE	.2	.6	.6	.3	.1	.0	.0	.0	.0	.0	.0	1.8	8.0
SSE	.3	.5	1.0	.5	.1	.0	.0	.0	.0	.0	.0	2.3	8.1
S	.8	1.3	1.6	.6	.0	.1	.1	.0	.0	.0	.0	4.4	7.4
SSW	.4	1.1	2.0	1.1	.2	.2	.1	.0	.0	.0	.0	5.2	9.5
SW	1.3	2.5	2.9	2.7	.9	.2	.1	.0	.0	.0	.0	10.6	9.4
WSW	.6	1.3	2.8	2.0	.6	.4	.0	.0	.0	.0	.0	7.8	10.2
W	.8	1.4	2.6	2.3	.2	.2	.0	.0	.0	.0	.0	7.5	9.5
WNW	.2	.9	1.9	1.3	.6	.1	.0	.0	.0	.0	.0	4.9	10.4
NW	.6	.8	1.7	2.7	.6	.0	.0	.0	.0	.0	.0	6.4	10.5
NNW	.7	1.7	3.2	3.8	1.9	.6	.0	.0	.0	.0	.0	11.9	11.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	.0
ALL	8.6	19.3	33.2	25.1	6.8	2.3	.2	.0	.0	.0	.0	100.0	9.3

TOTAL NO. OF OBS : 1237

NOTES :
* = PERCENT < .05

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JAN
CLASS : ALL WEATHER HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.0	2.7	4.6	5.2	1.0	.2	.1	.0	.0	.0	.0	14.7	10.2
NNE	.5	1.1	1.6	1.7	.5	.1	.0	.0	.0	.0	.0	5.4	9.8
NE	.4	1.5	1.1	.6	.2	.1	.0	.0	.0	.0	.0	4.0	8.0
ENE	.5	.7	1.1	.4	.0	.0	.0	.0	.0	.0	.0	2.8	7.2
E	.8	1.5	.6	.2	.1	.0	.0	.0	.0	.0	.0	3.1	5.7
ESE	.4	.7	.6	.2	.0	.0	.0	.0	.0	.0	.0	1.9	6.0
SE	.2	.7	.6	.7	.0	.0	.0	.0	.0	.0	.0	2.3	8.5
SSE	.1	.5	1.1	.1	.1	.0	.0	.0	.0	.0	.0	1.9	7.7
S	.8	.7	1.2	1.1	.1	.0	.0	.0	.0	.0	.0	4.0	8.6
SSW	.3	.7	1.9	1.7	.4	.2	.1	.0	.0	.0	.0	5.4	10.7
SW	.2	1.0	3.0	2.5	.9	.7	.0	.0	.0	.0	.0	8.3	11.9
WSW	.4	1.4	3.2	2.5	.6	.6	.0	.0	.0	.0	.0	8.7	10.6
W	.4	1.3	3.2	3.0	.6	.2	.0	.0	.0	.0	.0	8.7	10.3
WNW	.2	1.0	1.5	2.3	.7	.2	.0	.0	.0	.0	.0	6.0	11.3
NW	.4	.4	1.9	3.1	.9	.2	.1	.0	.0	.0	.0	7.0	12.2
NNW	.3	3.3	4.8	3.9	1.3	.6	.1	.0	.0	.0	.0	14.3	10.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0
ALL	7.0	19.2	32.3	29.1	7.3	3.0	.3	.0	.0	.0	.0	100.0	9.9

TOTAL NO. OF OBS : 1235

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JAN
CLASS : ALL WEATHER HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.2	3.1	5.3	2.3	.7	.2	.0	.0	.0	.0	.0	12.8	8.7
NNE	.6	1.8	1.7	.9	.1	.5	.0	.0	.0	.0	.0	5.5	9.1
NE	.5	1.8	2.0	.6	.1	.1	.0	.0	.0	.0	.0	5.1	7.6
ENE	.3	1.8	.7	.3	.1	.0	.0	.0	.0	.0	.0	3.2	6.5
E	1.2	2.1	1.3	.2	.2	.0	.0	.0	.0	.0	.0	4.9	5.6
ESE	.7	1.5	.6	.1	.0	.0	.0	.0	.0	.0	.0	3.0	5.3
SE	.2	2.2	.6	.5	.2	.0	.0	.0	.0	.0	.0	3.6	7.3
SSE	.2	1.1	.8	.2	.0	.0	.0	.0	.0	.0	.0	2.3	6.6
S	.6	.9	1.8	.8	.1	.0	.1	.0	.0	.0	.0	4.2	8.7
SSW	.2	1.6	2.3	1.1	.2	.0	.0	.0	.0	.0	.0	5.6	8.6
SW	.1	.8	2.7	2.8	.3	.6	.0	.0	.0	.0	.0	7.2	11.5
WSW	.5	1.5	2.6	1.2	.4	.0	.0	.0	.0	.0	.0	6.2	8.9
W	.8	1.1	3.6	2.7	.8	.2	.0	.0	.0	.0	.0	9.2	10.4
WNW	.4	.8	2.4	2.0	.1	.1	.0	.0	.0	.0	.0	5.8	9.7
NW	.3	1.5	2.8	2.0	.2	.2	.0	.0	.0	.0	.0	7.0	9.8
NNW	1.1	2.9	4.0	2.9	.9	.2	.0	.0	.0	.0	.0	12.1	9.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0
ALL	8.9	26.3	35.3	20.7	4.4	2.0	.1	.0	.0	.0	.0	100.0	8.6

TOTAL NO. OF OBS : 1235

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JAN
CLASS : ALL WEATHER HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.8	2.9	2.4	2.2	.7	.4	.0	.0	.0	.0	.0	10.3	8.6
NNE	.6	1.2	1.2	.9	.3	.1	.1	.0	.0	.0	.0	4.3	9.1
NE	.7	1.0	.6	.7	.3	.1	.0	.0	.0	.0	.0	3.4	8.2
ENE	.8	.5	.7	.4	.2	.2	.0	.0	.0	.0	.0	2.8	8.0
E	1.1	1.0	.3	.2	.1	.0	.0	.0	.0	.0	.0	2.6	5.0
ESE	.6	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	1.2	4.6
SE	1.0	1.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	2.6	4.8
SSE	1.0	1.6	1.0	.4	.0	.0	.0	.0	.0	.0	.0	3.9	6.0
S	2.2	3.7	2.1	.2	.1	.0	.0	.0	.0	.0	.0	8.4	5.5
SSW	.8	3.3	1.9	.5	.2	.0	.0	.0	.0	.0	.0	6.7	6.7
SW	1.4	1.4	1.2	1.1	.2	.0	.0	.0	.0	.0	.0	5.3	6.9
WSW	1.7	3.1	2.0	.8	.3	.0	.0	.0	.0	.0	.0	7.9	6.5
W	1.7	1.5	1.5	.9	.3	.0	.0	.0	.0	.0	.0	5.9	7.2
WNW	.9	1.2	1.6	.8	.0	.0	.0	.0	.0	.0	.0	4.5	6.8
NW	1.4	1.2	1.5	1.2	.4	.2	.0	.0	.0	.0	.0	6.0	8.6
NNW	.6	1.4	1.7	1.8	.6	.2	.0	.0	.0	.0	.0	6.3	9.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.0	.0
ALL	18.4	26.3	20.4	12.2	3.6	1.1	.1	.0	.0	.0	.0	100.0	6.0

TOTAL NO. OF OBS : 1122

NOTES :
* = PERCENT < .05

013769 : OCEANA, VA
PERIOD OF RECORD : 1945-1987
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : JAN
HOUR : 2200 LST

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.0	1.6	3.5	2.3	.7	.4	.2	.0	.0	.0	.0	9.7	10.3
NNE	.8	1.3	1.1	1.2	.2	.0	.0	.0	.0	.0	.0	4.5	8.3
NE	.3	.8	.9	.4	.1	.2	.0	.0	.0	.0	.0	2.7	9.1
ENE	.6	.2	.2	.1	.0	.1	.0	.0	.0	.0	.0	1.2	6.0
E	.6	.8	.6	.3	.0	.1	.0	.0	.0	.0	.0	2.4	6.7
ESE	.4	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	1.3	6.6
SE	.5	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.0
SSE	1.0	1.3	.7	.3	.1	.0	.0	.0	.0	.0	.0	3.4	5.8
S	2.0	3.0	1.6	.4	.0	.0	.0	.0	.0	.0	.0	7.0	5.4
SSW	.7	2.5	2.1	1.5	.3	.1	.0	.0	.0	.0	.0	7.1	8.2
SW	1.8	3.0	2.1	.7	.2	.0	.0	.0	.0	.0	.0	7.8	6.3
WSW	1.6	2.8	1.3	1.0	.3	.1	.0	.0	.0	.0	.0	7.0	7.0
W	2.1	1.3	1.9	1.4	.2	.0	.0	.0	.0	.0	.0	6.9	7.2
WNW	.5	1.2	1.2	.6	.2	.2	.0	.0	.0	.0	.0	3.9	8.6
NW	1.2	1.2	1.8	1.7	.8	.1	.0	.0	.0	.0	.0	6.8	9.4
NNW	.7	1.0	2.5	2.9	.9	.3	.0	.0	.0	.0	.0	8.3	10.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.5	.0
ALL	15.8	23.0	22.2	14.9	3.9	1.5	.2	.0	.0	.0	.0	100.0	6.5

TOTAL NO. OF OBS : 1121

NOTES :
* = PERCENT < .05

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JAN
CLASS : ALL WEATHER HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.2	2.7	4.7	3.1	.8	.3	.1	.0	.0	.0	.0	12.9	9.4
NNE	.6	1.3	1.6	1.2	.3	.1	.0*	.0*	.0	.0	.0	5.1	9.0
NE	.4	1.1	1.4	.6	.1	.1	.0*	.0	.0	.0	.0	3.7	8.2
ENE	.5	.7	.8	.3	.1	.0*	.0	.0	.0	.0	.0	2.3	7.5
E	.7	1.1	.6	.2	.1	.0*	.0	.0	.0	.0	.0	2.6	5.7
ESE	.3	.5	.4	.1	.0*	.0	.0	.0	.0	.0	.0	1.4	6.0
SE	.4	.9	.5	.3	.0*	.0	.0	.0	.0	.0	.0	2.2	6.8
SSE	.6	.8	.8	.2	.0*	.0	.0	.0	.0	.0	.0	2.5	6.4
S	1.2	1.7	1.3	.5	.1	.0*	.0*	.0	.0	.0	.0	4.9	6.6
SSW	.7	2.2	2.1	1.1	.3	.1	.0*	.0	.0	.0	.0	6.5	8.2
SW	1.6	2.3	2.4	1.7	.5	.2	.0*	.0	.0	.0	.0	8.7	8.3
WSW	1.2	2.1	2.5	1.3	.4	.1	.0	.0	.0	.0	.0	7.6	8.1
W	1.2	1.6	2.7	1.7	.4	.1	.0	.0	.0	.0	.0	7.6	8.5
WNW	.5	1.1	1.5	1.1	.2	.1	.0	.0	.0	.0	.0	4.6	9.0
NW	.8	1.1	1.9	2.1	.5	.1	.0*	.0	.0	.0	.0	6.6	9.9
NNW	.7	1.9	3.0	2.9	1.1	.3	.0*	.0	.0	.0	.0	9.9	10.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8	.0
ALL	12.8	23.0	28.2	18.5	4.8	1.6	.2	.0*	.0	.0	.0	100.0	7.6

TOTAL NO. OF OBS : 9412

NOTES :
* = PERCENT < .05

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.7	48.6	51.3	52.3	53.2	53.4	53.5	53.7	53.7	53.8	53.9	53.9	53.9	53.9	53.9	54.2
>=20000	6.8	51.2	53.9	55.1	56.0	56.3	56.5	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	57.1
>=18000	6.8	51.3	54.0	55.2	56.1	56.4	56.5	56.7	56.7	56.8	56.9	56.9	56.9	56.9	56.9	57.2
>=16000	6.8	51.3	54.0	55.2	56.1	56.4	56.5	56.7	56.7	56.8	56.9	56.9	56.9	56.9	56.9	57.2
>=14000	6.8	51.5	54.3	55.5	56.4	56.6	56.8	57.0	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.5
>=12000	6.8	52.5	55.4	56.5	57.5	57.7	57.9	58.1	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.5
>=10000	6.9	55.6	58.6	59.9	60.8	61.1	61.3	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.9
>= 9000	6.9	55.9	58.9	60.2	61.1	61.4	61.5	61.7	61.7	61.8	61.9	61.9	61.9	61.9	61.9	62.2
>= 8000	7.0	59.8	63.3	64.6	65.6	65.9	66.1	66.4	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.9
>= 7000	7.0	60.5	64.0	65.5	66.6	67.0	67.2	67.5	67.5	67.6	67.7	67.7	67.7	67.7	67.7	68.0
>= 6000	7.2	61.4	65.0	66.5	67.6	68.0	68.2	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.7	69.0
>= 5000	7.3	63.3	67.0	68.7	69.9	70.3	70.5	70.7	70.7	70.9	71.0	71.0	71.0	71.0	71.0	71.3
>= 4500	7.5	63.9	67.6	69.5	70.7	71.1	71.3	71.5	71.5	71.7	71.8	71.8	71.8	71.8	71.8	72.1
>= 4000	7.5	65.6	69.6	71.7	73.0	73.4	73.6	73.9	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.5
>= 3500	7.5	66.4	70.5	72.6	73.9	74.3	74.5	74.8	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.4
>= 3000	7.7	68.1	72.5	75.3	76.7	77.2	77.5	77.7	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.3
>= 2500	7.8	69.4	74.2	76.9	78.5	78.9	79.3	79.5	79.5	79.7	79.8	79.8	79.8	79.8	79.8	80.1
>= 2000	7.8	70.6	75.7	78.6	80.3	80.7	81.3	81.6	81.6	81.8	81.9	81.9	81.9	81.9	81.9	82.2
>= 1800	7.8	70.8	75.9	78.8	80.5	80.9	81.5	81.9	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.5
>= 1500	7.9	72.1	77.5	81.1	82.8	83.3	84.0	84.5	84.5	84.8	84.9	84.9	84.9	84.9	84.9	85.2
>= 1200	8.0	73.1	78.9	82.6	84.4	84.8	85.6	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.8
>= 1000	8.0	73.4	79.3	83.2	85.4	85.8	86.7	87.2	87.2	87.5	87.6	87.6	87.6	87.6	87.6	87.9
>= 900	8.0	73.5	79.5	83.4	85.5	86.0	86.9	87.4	87.4	87.7	87.8	87.8	87.8	87.8	87.8	88.1
>= 800	8.0	73.7	79.9	84.0	86.4	86.9	87.8	88.3	88.3	88.6	88.7	88.7	88.7	88.7	88.7	89.0
>= 700	8.1	74.2	80.5	84.8	87.5	88.0	89.0	89.5	89.5	89.8	90.0	90.0	90.0	90.0	90.0	90.3
>= 600	8.1	74.5	81.2	85.5	88.3	88.8	90.0	90.5	90.5	91.0	91.2	91.2	91.2	91.2	91.2	91.5
>= 500	8.1	74.5	81.3	85.9	88.9	89.5	90.9	91.5	91.6	92.3	92.5	92.5	92.5	92.5	92.5	92.8
>= 400	8.1	74.6	81.5	86.2	89.7	90.4	92.0	92.6	92.7	93.5	93.7	93.7	93.8	93.8	93.8	94.1
>= 300	8.1	74.7	81.5	86.5	90.4	91.1	93.0	93.6	93.7	94.5	95.1	95.1	95.3	95.3	95.3	95.5
>= 200	8.1	74.7	81.5	86.6	90.8	91.5	93.9	94.7	94.9	96.0	96.6	96.6	97.0	97.0	97.1	97.4
>= 100	8.1	74.7	81.5	86.6	90.8	91.5	93.9	94.9	95.1	96.4	97.3	97.4	97.8	97.8	97.9	98.3
>= 0	8.1	74.7	81.5	86.6	90.8	91.5	93.9	95.0	95.2	96.5	97.5	97.7	98.3	98.3	98.5	100.0

TOTAL NO. OF OBS : 1100

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.8	47.7	49.9	51.7	52.3	52.3	52.5	52.5	52.5	52.6	52.6	52.6	52.8	52.8	52.9	53.2
>=20000	6.0	50.6	52.9	54.7	55.2	55.3	55.5	55.5	55.5	55.6	55.6	55.6	55.8	55.8	56.0	56.3
>=18000	6.0	50.6	52.9	54.7	55.2	55.3	55.5	55.5	55.5	55.6	55.6	55.6	55.8	55.8	56.0	56.3
>=16000	6.0	50.6	52.9	54.7	55.2	55.3	55.5	55.5	55.5	55.6	55.6	55.6	55.8	55.8	56.0	56.3
>=14000	6.1	50.7	53.1	55.0	55.5	55.6	55.8	55.8	55.8	55.9	55.9	55.9	56.1	56.1	56.3	56.5
>=12000	6.4	51.6	54.1	56.0	56.5	56.6	56.8	56.8	56.8	56.9	56.9	56.9	57.1	57.1	57.3	57.6
>=10000	6.5	55.3	58.0	60.1	60.7	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.2	61.4	61.7
>= 9000	6.5	55.4	58.1	60.2	60.8	60.9	61.0	61.0	61.0	61.1	61.1	61.1	61.3	61.3	61.5	61.8
>= 8000	6.5	59.4	62.7	65.2	65.7	65.9	66.1	66.1	66.1	66.2	66.2	66.2	66.5	66.5	66.7	66.9
>= 7000	6.5	60.1	63.7	66.3	66.9	67.0	67.2	67.3	67.3	67.4	67.4	67.4	67.7	67.7	67.9	68.1
>= 6000	6.5	60.4	64.2	66.8	67.3	67.5	67.7	67.8	67.8	67.9	67.9	67.9	68.1	68.1	68.3	68.6
>= 5000	6.5	61.6	65.7	68.4	69.0	69.2	69.3	69.4	69.4	69.5	69.5	69.5	69.8	69.8	70.0	70.3
>= 4500	6.6	62.1	66.2	69.0	69.5	69.7	69.9	70.0	70.0	70.1	70.1	70.1	70.3	70.3	70.5	70.8
>= 4000	6.8	64.2	68.6	71.7	72.5	72.7	72.8	72.9	72.9	73.0	73.0	73.0	73.3	73.3	73.5	73.8
>= 3500	7.0	65.4	69.8	73.1	73.9	74.1	74.3	74.4	74.4	74.5	74.5	74.5	74.8	74.8	75.0	75.2
>= 3000	7.4	66.9	71.5	75.2	76.2	76.4	76.6	76.7	76.7	76.9	76.9	76.9	77.2	77.2	77.3	77.6
>= 2500	7.4	68.1	73.4	77.3	78.4	78.6	78.8	78.9	78.9	79.2	79.2	79.2	79.5	79.5	79.7	79.9
>= 2000	7.5	69.8	75.7	79.8	80.8	81.1	81.4	81.5	81.5	81.8	81.8	81.8	82.0	82.0	82.2	82.5
>= 1800	7.5	70.1	76.0	80.1	81.1	81.4	81.8	81.9	81.9	82.1	82.1	82.1	82.4	82.4	82.6	82.9
>= 1500	7.5	70.6	76.8	81.2	82.3	82.6	83.0	83.1	83.1	83.3	83.3	83.3	83.6	83.6	83.8	84.1
>= 1200	7.5	71.1	77.4	82.1	83.5	83.8	84.2	84.3	84.3	84.5	84.5	84.5	84.8	84.8	85.0	85.3
>= 1000	7.5	71.3	77.9	82.7	84.3	84.6	85.0	85.1	85.1	85.4	85.4	85.4	85.6	85.6	85.8	86.1
>= 900	7.6	71.5	78.4	83.3	85.3	85.6	86.0	86.1	86.1	86.4	86.4	86.4	86.6	86.6	86.8	87.1
>= 800	7.6	72.0	79.0	84.3	86.3	86.6	87.2	87.5	87.5	87.8	87.8	87.8	88.1	88.1	88.4	88.7
>= 700	7.6	72.0	79.4	84.7	87.0	87.4	88.0	88.3	88.3	88.7	88.7	88.7	89.0	89.0	89.2	89.5
>= 600	7.6	72.1	79.7	85.0	87.5	87.8	88.6	88.9	88.9	89.3	89.3	89.3	89.6	89.6	89.9	90.1
>= 500	7.6	72.2	79.8	85.4	88.1	88.5	89.6	90.0	90.0	90.7	90.9	90.9	91.2	91.2	91.4	91.7
>= 400	7.6	72.4	80.2	85.8	89.1	89.5	90.9	91.3	91.4	92.2	92.4	92.4	92.6	92.6	92.9	93.2
>= 300	7.6	72.4	80.4	86.1	89.9	90.3	92.1	92.5	92.6	93.8	94.1	94.1	94.6	94.6	94.9	95.2
>= 200	7.6	72.4	80.4	86.3	90.2	90.9	92.8	93.6	93.6	95.3	95.7	95.8	96.3	96.3	97.0	97.2
>= 100	7.6	72.4	80.4	86.3	90.2	90.9	93.0	93.7	93.8	95.7	96.3	96.4	97.0	97.0	97.8	98.2
>= 0	7.6	72.4	80.4	86.3	90.2	90.9	93.0	93.8	93.9	95.8	96.4	96.5	97.2	97.2	98.2	100.0

TOTAL NO. OF OBS : 1086

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	4.2	37.4	40.8	43.0	44.0	44.4	45.4	46.0	46.0	46.2	46.2	46.2	46.4	46.4	46.7	47.1
>=20000	4.2	39.1	42.8	45.2	46.2	46.6	47.6	48.1	48.1	48.3	48.4	48.4	48.6	48.6	48.8	49.2
>=18000	4.2	39.3	43.0	45.3	46.3	46.7	47.7	48.3	48.3	48.5	48.6	48.6	48.7	48.7	49.0	49.4
>=16000	4.2	39.3	43.0	45.3	46.3	46.7	47.7	48.3	48.3	48.5	48.6	48.6	48.7	48.7	49.0	49.4
>=14000	4.4	39.8	43.6	45.9	46.9	47.3	48.3	48.9	48.9	49.0	49.1	49.1	49.3	49.3	49.5	50.0
>=12000	4.4	41.1	45.0	47.5	48.5	49.0	50.0	50.5	50.5	50.7	50.8	50.8	51.0	51.0	51.2	51.6
>=10000	4.7	44.3	48.4	51.1	52.2	52.8	53.8	54.4	54.4	54.6	54.7	54.7	54.8	54.8	55.1	55.5
>= 9000	4.7	44.8	48.9	51.6	52.7	53.3	54.3	54.9	54.9	55.1	55.2	55.2	55.3	55.3	55.6	56.0
>= 8000	5.0	49.5	53.8	56.7	58.1	58.7	59.9	60.6	60.6	60.8	60.9	60.9	61.0	61.0	61.3	61.7
>= 7000	5.0	50.1	54.6	57.5	58.9	59.5	60.6	61.4	61.4	61.5	61.6	61.6	61.8	61.8	62.0	62.4
>= 6000	5.1	50.7	55.2	58.1	59.6	60.2	61.5	62.2	62.2	62.4	62.4	62.4	62.6	62.6	62.9	63.3
>= 5000	5.2	52.9	57.5	60.5	62.0	62.6	63.9	64.7	64.7	64.8	64.9	64.9	65.1	65.1	65.3	65.8
>= 4500	5.3	53.6	58.3	61.5	62.9	63.5	64.8	65.6	65.6	65.8	65.8	65.8	66.0	66.0	66.3	66.7
>= 4000	5.3	55.8	60.8	64.0	65.6	66.2	67.8	68.6	68.6	68.9	69.0	69.0	69.1	69.1	69.4	69.8
>= 3500	5.4	56.9	62.0	65.3	66.8	67.4	69.1	69.8	69.8	70.1	70.2	70.2	70.4	70.4	70.6	71.1
>= 3000	5.4	58.9	64.4	67.7	69.5	70.1	71.8	72.5	72.5	72.9	73.0	73.0	73.2	73.2	73.4	73.9
>= 2500	5.5	60.0	65.8	69.6	71.5	72.2	73.9	74.7	74.7	75.0	75.1	75.1	75.4	75.4	75.6	76.0
>= 2000	5.6	61.4	67.6	71.5	73.6	74.6	76.3	77.3	77.3	77.7	77.8	77.8	78.0	78.0	78.2	78.7
>= 1800	5.6	61.6	67.8	72.0	74.0	75.0	76.8	77.7	77.7	78.1	78.2	78.2	78.4	78.4	78.7	79.1
>= 1500	5.6	62.5	69.1	73.5	76.0	77.0	78.7	79.7	79.7	80.2	80.3	80.3	80.6	80.6	80.8	81.2
>= 1200	5.7	63.4	70.4	75.2	77.8	78.8	80.7	81.8	81.8	82.3	82.4	82.4	82.6	82.6	82.9	83.3
>= 1000	5.8	63.7	70.9	75.9	79.0	80.1	82.1	83.2	83.2	83.7	83.8	83.8	84.1	84.1	84.4	84.8
>= 900	5.8	63.9	71.2	76.3	79.5	80.6	82.7	83.9	83.9	84.4	84.5	84.5	84.9	84.9	85.1	85.5
>= 800	5.9	64.0	71.6	76.9	80.5	81.7	84.0	85.7	85.7	86.4	86.4	86.4	86.8	86.8	87.1	87.5
>= 700	5.9	64.4	72.1	77.6	81.3	82.5	84.9	86.6	86.7	87.4	87.5	87.5	87.9	87.9	88.2	88.6
>= 600	5.9	64.5	72.3	78.1	81.9	83.4	86.2	88.3	88.4	89.2	89.3	89.3	89.7	89.7	90.1	90.5
>= 500	5.9	64.5	72.5	78.4	82.6	84.4	87.5	89.7	89.9	90.8	91.2	91.2	91.6	91.6	92.0	92.4
>= 400	5.9	64.6	72.5	78.7	83.2	84.9	88.6	90.9	91.1	92.2	92.7	92.7	93.2	93.2	93.6	94.0
>= 300	5.9	64.6	72.5	78.8	83.7	85.5	89.5	91.9	92.1	93.5	94.1	94.1	94.7	94.7	95.1	95.5
>= 200	5.9	64.6	72.5	78.8	83.7	85.6	89.9	92.6	92.8	94.5	95.3	95.3	96.0	96.0	96.6	97.0
>= 100	5.9	64.6	72.5	78.8	83.7	85.6	89.9	92.6	92.9	94.6	95.5	95.5	96.8	96.8	97.7	98.3
>= 0	5.9	64.6	72.5	78.8	83.7	85.6	89.9	92.6	92.9	94.9	95.9	95.9	97.4	97.4	98.6	100.0

TOTAL NO. OF OBS : 1209

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.0	40.2	42.9	44.2	44.9	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
>=20000	6.2	43.2	46.2	47.6	48.6	48.8	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
>=18000	6.2	43.4	46.5	47.8	48.8	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
>=16000	6.3	43.5	46.6	47.9	48.9	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
>=14000	6.5	44.2	47.3	48.7	49.7	50.0	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
>=12000	6.7	45.7	49.0	50.5	51.5	51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
>=10000	6.7	49.4	53.2	55.2	56.3	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
>= 9000	6.7	49.7	53.5	55.4	56.5	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
>= 8000	6.9	53.8	58.2	60.2	61.4	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
>= 7000	6.9	54.8	59.6	61.7	63.0	63.4	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
>= 6000	7.0	55.7	60.7	62.9	64.2	64.7	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
>= 5000	7.0	57.1	62.3	64.8	66.3	66.8	67.2	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6
>= 4500	7.0	57.7	63.0	65.6	67.2	67.7	68.1	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5
>= 4000	7.0	59.0	64.6	67.3	69.2	69.7	70.0	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5
>= 3500	7.0	59.5	65.2	67.9	69.8	70.3	70.7	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2
>= 3000	7.2	61.4	67.6	70.7	72.8	73.3	73.7	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3
>= 2500	7.2	63.0	69.4	72.7	75.2	75.7	76.2	76.6	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9
>= 2000	7.2	64.1	70.7	74.7	77.1	77.8	78.3	78.7	78.7	78.9	79.0	79.0	79.0	79.0	79.0	79.0
>= 1800	7.2	64.6	71.2	75.2	77.7	78.5	79.0	79.4	79.4	79.7	79.8	79.8	79.8	79.8	79.8	79.8
>= 1500	7.3	65.7	72.7	76.9	79.7	80.4	81.3	81.7	81.7	81.9	82.1	82.1	82.2	82.2	82.2	82.2
>= 1200	7.3	66.1	73.3	77.7	81.0	81.8	82.7	83.2	83.2	83.5	83.7	83.7	83.8	83.8	83.8	83.8
>= 1000	7.4	66.7	7..4	79.0	82.5	83.3	84.3	85.0	85.0	85.2	85.5	85.5	85.6	85.6	85.6	85.6
>= 900	7.4	66.9	74.7	79.7	83.2	84.2	85.2	85.9	85.9	86.2	86.4	86.4	86.5	86.5	86.5	86.5
>= 800	7.4	67.2	75.2	80.3	84.5	85.6	86.8	87.7	87.7	88.1	88.4	88.4	88.6	88.6	88.6	88.6
>= 700	7.4	67.4	75.7	80.9	85.2	86.3	88.0	88.9	88.9	89.4	89.8	89.8	90.0	90.0	90.0	90.0
>= 600	7.4	67.5	75.8	81.3	85.9	87.0	88.9	89.9	90.0	90.6	91.1	91.1	91.2	91.2	91.2	91.2
>= 500	7.4	67.5	75.8	81.3	86.8	88.2	90.5	91.7	91.7	92.7	93.2	93.2	93.4	93.4	93.4	93.4
>= 400	7.4	67.5	75.8	81.4	87.2	88.7	91.7	93.0	93.3	94.5	95.1	95.1	95.4	95.4	95.4	95.4
>= 300	7.4	67.6	76.0	81.7	87.7	89.2	92.4	94.0	94.3	95.9	96.8	96.8	97.3	97.3	97.3	97.4
>= 200	7.4	67.6	76.0	81.7	87.7	89.3	92.6	94.4	94.8	96.7	97.7	97.7	98.4	98.4	98.5	98.7
>= 100	7.4	67.6	76.0	81.7	87.7	89.3	92.6	94.4	94.8	96.7	97.9	97.9	98.8	98.9	99.2	99.6
>= 0	7.4	67.6	76.0	81.7	87.7	89.3	92.7	94.5	94.9	96.8	98.0	98.0	98.9	99.0	99.2	100.0

TOTAL NO. OF OBS : 1200

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.2	43.8	44.5	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
>=20000	8.4	47.4	48.5	49.3	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
>=18000	8.4	47.5	48.6	49.3	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
>=16000	8.4	47.7	48.8	49.5	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
>=14000	8.5	48.3	49.4	50.2	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
>=12000	8.8	50.9	52.1	52.9	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
>=10000	9.0	55.3	57.0	57.9	58.2	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
>= 9000	9.0	55.6	57.3	58.2	58.5	58.7	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
>= 8000	9.3	60.4	62.7	63.9	64.5	64.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
>= 7000	9.5	62.2	64.8	66.1	66.7	66.9	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
>= 6000	9.5	63.1	65.9	67.3	67.9	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
>= 5000	9.7	64.4	67.3	68.9	69.5	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
>= 4500	9.7	64.8	67.8	69.4	70.0	70.2	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
>= 4000	9.7	66.0	69.3	71.1	71.7	72.0	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
>= 3500	9.7	66.7	70.1	71.8	72.6	72.9	73.1	73.2	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4
>= 3000	9.9	68.9	72.9	74.9	75.9	76.2	76.5	76.6	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8
>= 2500	9.9	70.7	75.0	77.1	78.4	78.8	79.1	79.2	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4
>= 2000	10.0	71.9	76.5	78.5	80.0	80.3	80.8	80.8	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0
>= 1800	10.0	72.1	76.8	78.9	80.3	80.8	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4
>= 1500	10.1	73.6	78.7	81.0	83.0	83.4	83.9	84.0	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2
>= 1200	10.3	74.4	79.5	82.3	84.7	85.2	85.9	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2
>= 1000	10.4	75.0	80.3	83.2	85.9	86.5	87.4	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7
>= 900	10.4	75.1	80.5	83.5	86.2	86.8	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
>= 800	10.4	75.4	80.8	83.9	86.7	87.5	88.6	88.9	89.0	89.1	89.2	89.2	89.3	89.3	89.3	89.3
>= 700	10.4	75.4	80.8	84.0	87.0	88.0	89.1	89.6	89.6	90.0	90.0	90.0	90.2	90.3	90.3	90.3
>= 600	10.4	75.5	81.1	84.3	87.6	88.7	90.2	91.0	91.0	91.4	91.5	91.5	91.6	91.7	91.7	91.7
>= 500	10.4	75.6	81.3	84.7	88.6	89.8	91.6	92.6	92.8	93.3	93.4	93.4	93.6	93.7	93.7	93.7
>= 400	10.4	76.0	81.7	85.1	89.1	90.7	92.8	93.9	94.3	95.3	95.4	95.4	95.8	95.9	95.9	95.9
>= 300	10.4	76.0	81.7	85.1	89.1	91.1	93.5	95.0	95.4	96.6	96.9	97.0	97.6	97.7	97.9	97.9
>= 200	10.4	76.0	81.7	85.1	89.2	91.3	93.7	95.3	95.6	97.1	97.5	97.6	98.4	98.5	98.9	99.0
>= 100	10.4	76.0	81.7	85.1	89.2	91.3	93.7	95.3	95.6	97.1	97.6	97.7	98.9	99.0	99.6	99.9
>= 0	10.4	76.0	81.7	85.1	89.2	91.3	93.7	95.3	95.6	97.1	97.6	97.7	98.9	99.0	99.7	100.0

TOTAL NO. OF OBS : 1206

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.7	45.6	47.0	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
>=20000	9.0	49.8	51.6	52.1	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
>=18000	9.0	50.2	52.1	52.6	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
>=16000	9.0	50.4	52.2	52.7	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
>=14000	9.0	50.9	52.8	53.3	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
>=12000	9.1	52.6	54.6	55.2	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
>=10000	9.4	56.4	58.9	59.6	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
>= 9000	9.5	57.0	59.5	60.2	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
>= 8000	9.7	61.4	64.4	65.3	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
>= 7000	9.8	62.5	65.6	66.6	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
>= 6000	10.0	63.3	66.4	67.6	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
>= 5000	10.0	64.7	68.0	69.5	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
>= 4500	10.0	65.1	68.6	70.1	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
>= 4000	10.0	66.8	70.6	72.2	73.1	73.1	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
>= 3500	10.1	67.6	71.7	73.4	74.2	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
>= 3000	10.3	69.5	73.9	75.7	76.6	76.7	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
>= 2500	10.4	70.9	75.5	77.5	78.5	78.8	79.1	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3
>= 2000	10.6	72.5	77.2	80.0	81.3	81.6	82.0	82.0	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3
>= 1800	10.6	72.5	77.3	80.2	81.4	81.8	82.3	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5
>= 1500	10.6	73.6	78.5	81.8	83.3	83.8	84.5	84.5	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8
>= 1200	10.6	74.1	79.3	83.0	84.9	85.4	86.3	86.4	86.4	86.6	86.8	86.8	86.6	86.8	86.8	86.8
>= 1000	10.6	74.4	80.2	83.8	85.9	86.6	87.5	87.7	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1
>= 900	10.6	74.4	80.3	84.0	86.2	86.9	87.8	88.0	88.1	88.3	88.5	88.5	88.5	88.5	88.5	88.5
>= 800	10.7	74.6	80.7	84.6	86.9	87.6	89.0	89.3	89.4	89.6	89.9	89.9	89.9	89.9	89.9	89.9
>= 700	10.7	74.8	81.0	85.1	87.7	88.5	90.1	90.5	90.5	90.9	91.1	91.1	91.1	91.1	91.2	91.2
>= 600	10.7	74.8	81.1	85.3	88.3	89.3	91.2	91.8	91.9	92.2	92.6	92.6	92.6	92.6	92.6	92.6
>= 500	10.7	74.9	81.3	85.5	89.0	90.0	92.6	93.3	93.4	94.2	94.6	94.6	94.7	94.7	94.8	94.8
>= 400	10.7	75.0	81.3	85.7	89.3	90.4	93.2	94.1	94.2	95.5	96.0	96.1	96.3	96.4	96.6	96.6
>= 300	10.7	75.1	81.4	85.8	89.6	90.9	93.8	95.1	95.1	96.6	97.2	97.4	97.7	97.8	98.2	98.2
>= 200	10.7	75.1	81.4	85.8	89.6	90.9	94.0	95.2	95.3	96.8	97.7	97.9	98.3	98.5	99.1	99.2
>= 100	10.7	75.1	81.4	85.8	89.6	90.9	94.0	95.2	95.3	96.8	97.7	97.9	98.5	98.7	99.5	99.7
>= 0	10.7	75.1	81.4	85.8	89.6	90.9	94.0	95.2	95.3	96.8	97.7	97.9	98.5	98.7	99.6	100.0

TOTAL NO. OF OBS : 1195

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.1	47.6	49.3	50.4	50.6	50.7	50.7	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9
>=20000	6.1	50.3	52.2	53.3	53.8	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1
>=18000	6.1	50.5	52.4	53.5	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
>=16000	6.1	50.7	52.7	53.8	54.2	54.3	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5
>=14000	6.1	51.1	53.1	54.2	54.7	54.8	54.8	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0
>=12000	6.3	52.9	55.0	56.2	56.6	56.7	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9
>=10000	6.6	57.1	59.4	60.7	61.2	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4
>= 9000	6.6	57.4	59.7	61.0	61.5	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8
>= 8000	6.7	62.7	65.7	67.3	67.9	68.0	68.0	68.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3
>= 7000	6.7	64.1	67.4	69.2	69.7	69.9	70.0	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3
>= 6000	6.7	65.0	68.5	70.3	71.0	71.2	71.3	71.4	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6
>= 5000	6.8	66.8	70.5	72.3	73.2	73.3	73.5	73.6	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8
>= 4500	6.9	67.2	70.8	72.7	73.5	73.7	73.9	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2
>= 4000	7.0	68.5	72.6	74.6	75.5	75.6	75.8	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1
>= 3500	7.3	69.7	74.0	76.0	76.9	77.1	77.3	77.4	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6
>= 3000	7.3	71.3	75.8	78.0	79.0	79.2	79.4	79.5	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7
>= 2500	7.3	72.0	77.4	79.7	80.6	80.9	81.1	81.2	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4
>= 2000	7.3	73.2	79.3	82.2	83.3	83.7	83.9	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1
>= 1800	7.3	73.3	79.5	82.6	83.7	84.0	84.2	84.3	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5
>= 1500	7.3	74.0	80.4	83.7	85.2	85.6	85.9	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2
>= 1200	7.3	74.5	81.0	84.8	86.6	87.1	87.5	87.5	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7
>= 1000	7.3	75.2	81.9	85.7	87.7	88.3	88.8	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1
>= 900	7.3	75.3	82.1	86.1	88.3	88.8	89.4	89.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7
>= 800	7.3	75.4	82.2	86.3	88.6	89.1	89.9	89.9	89.9	90.0	90.2	90.2	90.2	90.2	90.2	90.2
>= 700	7.3	75.6	82.6	86.9	89.5	90.1	91.1	91.2	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5
>= 600	7.3	75.7	82.9	87.3	90.0	90.9	91.9	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.6	92.6
>= 500	7.4	75.9	83.2	87.6	90.5	91.6	93.0	93.4	93.4	93.5	93.8	93.8	93.9	93.9	94.0	94.0
>= 400	7.4	76.0	83.5	88.0	90.9	92.3	93.9	94.5	94.6	94.8	95.2	95.2	95.3	95.3	95.4	95.4
>= 300	7.4	76.0	83.5	88.1	91.1	92.8	94.8	95.6	95.8	96.2	96.8	96.8	97.0	97.0	97.1	97.1
>= 200	7.4	76.0	83.5	88.3	91.4	93.1	95.4	96.3	96.5	97.1	97.8	97.8	98.2	98.2	98.3	98.3
>= 100	7.4	76.0	83.5	88.3	91.4	93.1	95.4	96.5	96.7	97.4	98.1	98.1	98.9	99.0	99.2	99.3
>= 0	7.4	76.0	83.5	88.3	91.4	93.1	95.4	96.5	96.7	97.4	98.1	98.1	98.9	99.1	99.4	100.0

TOTAL NO. OF OBS : 1084

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.2	49.2	51.5	52.9	52.9	53.0	53.3	53.3	53.3	53.4	53.6	53.6	53.9	53.9	53.9	54.0
>=20000	6.4	52.3	54.7	56.2	56.2	56.3	56.5	56.5	56.5	56.6	56.9	56.9	57.3	57.3	57.3	57.4
>=18000	6.4	52.4	54.8	56.3	56.3	56.4	56.6	56.6	56.6	56.7	57.0	57.0	57.4	57.4	57.4	57.4
>=16000	6.4	52.5	54.9	56.4	56.4	56.4	56.7	56.7	56.7	56.8	57.1	57.1	57.4	57.4	57.4	57.5
>=14000	6.6	52.8	55.4	56.8	56.8	56.9	57.2	57.2	57.2	57.3	57.5	57.5	57.9	57.9	57.9	58.0
>=12000	6.9	54.4	57.2	58.6	58.6	58.7	59.0	59.0	59.0	59.1	59.3	59.3	59.7	59.7	59.8	59.9
>=10000	7.0	57.9	60.8	62.3	62.3	62.3	62.6	62.6	62.6	62.7	63.0	63.0	63.3	63.3	63.4	63.5
>= 9000	7.1	58.5	61.4	62.9	62.9	63.0	63.2	63.2	63.2	63.3	63.6	63.6	64.0	64.0	64.1	64.2
>= 8000	7.2	62.8	66.2	67.8	68.0	68.1	68.3	68.4	68.4	68.5	68.8	68.8	69.1	69.1	69.2	69.3
>= 7000	7.4	64.2	67.7	69.4	69.7	69.8	70.1	70.1	70.1	70.2	70.5	70.5	70.9	70.9	71.0	71.1
>= 6000	7.4	64.9	68.3	70.1	70.4	70.5	70.8	70.9	70.9	71.0	71.2	71.2	71.6	71.6	71.7	71.8
>= 5000	7.5	66.9	70.5	72.4	72.8	72.9	73.1	73.2	73.2	73.3	73.6	73.6	74.0	74.0	74.0	74.1
>= 4500	7.6	67.3	71.0	72.9	73.2	73.3	73.6	73.7	73.7	73.8	74.0	74.0	74.4	74.4	74.5	74.6
>= 4000	7.7	69.7	74.0	76.0	76.4	76.5	76.8	76.9	76.9	77.0	77.2	77.2	77.6	77.6	77.7	77.8
>= 3500	7.8	70.2	74.5	76.6	77.0	77.1	77.4	77.5	77.5	77.6	77.9	77.9	78.2	78.2	78.3	78.4
>= 3000	8.0	71.5	76.0	78.5	79.0	79.1	79.4	79.6	79.6	79.7	79.9	79.9	80.3	80.3	80.4	80.5
>= 2500	8.1	72.8	77.8	80.4	81.0	81.1	81.4	81.6	81.6	81.7	81.9	81.9	82.3	82.3	82.4	82.5
>= 2000	8.3	74.1	79.5	82.5	83.4	83.5	83.8	83.9	83.9	84.0	84.3	84.3	84.7	84.7	84.8	84.8
>= 1800	8.3	74.3	79.8	82.8	83.8	83.8	84.1	84.3	84.3	84.4	84.7	84.7	85.0	85.0	85.1	85.2
>= 1500	8.3	74.7	80.5	83.7	84.9	85.0	85.5	85.7	85.7	85.8	86.0	86.0	86.4	86.4	86.5	86.6
>= 1200	8.4	75.0	81.3	84.7	86.0	86.1	86.7	86.8	86.8	86.9	87.2	87.2	87.6	87.6	87.7	87.7
>= 1000	8.4	75.3	81.9	85.3	86.8	86.8	87.4	87.7	87.7	87.7	88.0	88.0	88.4	88.4	88.5	88.6
>= 900	8.4	75.4	82.1	85.6	87.1	87.2	87.7	88.0	88.0	88.1	88.4	88.4	88.7	88.7	88.8	88.9
>= 800	8.4	75.5	82.4	85.9	87.7	87.7	88.3	88.6	88.6	88.8	89.1	89.1	89.5	89.5	89.6	89.7
>= 700	8.4	75.8	83.0	86.7	88.7	88.7	89.3	89.7	89.7	89.9	90.2	90.2	90.6	90.6	90.7	90.7
>= 600	8.4	75.8	83.1	86.8	89.1	89.3	90.0	90.6	90.6	90.8	91.1	91.1	91.5	91.5	91.6	91.7
>= 500	8.4	75.8	83.1	87.0	89.7	89.9	91.3	91.9	92.1	92.5	92.9	92.9	93.3	93.3	93.4	93.5
>= 400	8.4	76.1	83.6	87.7	90.7	90.9	92.6	93.3	93.5	93.8	94.3	94.3	94.6	94.6	94.7	94.8
>= 300	8.4	76.2	83.7	87.8	90.8	91.3	93.3	94.2	94.5	95.0	95.5	95.5	95.9	95.9	96.0	96.1
>= 200	8.4	76.2	83.8	88.1	91.2	91.7	94.1	95.1	95.4	96.2	96.7	96.7	97.4	97.4	97.5	97.6
>= 100	8.4	76.2	83.8	88.1	91.2	91.8	94.3	95.3	95.6	96.6	97.3	97.3	98.2	98.3	98.4	98.6
>= 0	8.4	76.2	83.8	88.1	91.2	91.8	94.3	95.4	95.6	96.7	97.4	97.4	98.4	98.5	99.0	100.0

TOTAL NO. OF OBS : 1102

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.5	44.8	47.0	48.2	48.7	48.9	49.1	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.5	49.6
>=20000	6.6	47.8	50.2	51.5	52.1	52.3	52.5	52.6	52.6	52.7	52.7	52.7	52.8	52.8	52.9	53.0
>=18000	6.6	48.0	50.4	51.7	52.3	52.4	52.7	52.8	52.8	52.8	52.9	52.9	53.0	53.0	53.0	53.2
>=16000	6.7	48.1	50.5	51.8	52.4	52.5	52.8	52.9	52.9	52.9	53.0	53.0	53.1	53.1	53.1	53.3
>=14000	6.8	48.5	51.0	52.3	52.9	53.1	53.3	53.4	53.4	53.5	53.5	53.5	53.6	53.6	53.7	53.8
>=12000	6.9	50.1	52.7	54.1	54.6	54.8	55.0	55.2	55.2	55.2	55.3	55.3	55.4	55.4	55.4	55.6
>=10000	7.1	53.8	56.7	58.2	58.8	59.0	59.3	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.7	59.8
>= 9000	7.2	54.2	57.0	58.6	59.2	59.4	59.6	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.1	60.2
>= 8000	7.3	58.6	62.0	63.8	64.5	64.8	65.1	65.2	65.3	65.3	65.4	65.4	65.5	65.5	65.6	65.7
>= 7000	7.4	59.7	63.3	65.2	66.0	66.3	66.5	66.8	66.8	66.8	66.9	66.9	67.0	67.0	67.1	67.2
>= 6000	7.5	60.4	64.2	66.1	67.0	67.3	67.5	67.8	67.8	67.9	67.9	67.9	68.0	68.0	68.1	68.2
>= 5000	7.5	62.1	66.0	68.1	69.0	69.3	69.6	69.9	69.9	70.0	70.0	70.0	70.1	70.1	70.2	70.3
>= 4500	7.6	62.6	66.6	68.7	69.7	70.0	70.3	70.5	70.5	70.6	70.7	70.7	70.8	70.8	70.8	71.0
>= 4000	7.6	64.3	68.6	71.0	72.0	72.3	72.7	72.9	72.9	73.1	73.1	73.1	73.2	73.2	73.3	73.4
>= 3500	7.7	65.2	69.6	72.0	73.0	73.3	73.8	74.0	74.0	74.1	74.2	74.2	74.3	74.3	74.4	74.5
>= 3000	7.9	66.9	71.7	74.4	75.6	75.9	76.4	76.6	76.6	76.8	76.9	76.9	77.0	77.0	77.1	77.2
>= 2500	8.0	68.3	73.5	76.3	77.7	78.1	78.5	78.8	78.8	79.0	79.0	79.0	79.2	79.2	79.2	79.4
>= 2000	8.1	69.6	75.2	78.4	79.9	80.3	80.9	81.1	81.2	81.3	81.4	81.4	81.6	81.6	81.6	81.7
>= 1800	8.1	69.8	75.4	78.7	80.2	80.7	81.3	81.6	81.6	81.7	81.8	81.8	82.0	82.0	82.0	82.2
>= 1500	8.1	70.7	76.7	80.3	82.1	82.6	83.3	83.6	83.6	83.8	83.9	83.9	84.0	84.0	84.1	84.2
>= 1200	8.2	71.3	77.6	81.4	83.5	84.1	84.9	85.2	85.2	85.5	85.6	85.6	85.7	85.7	85.8	85.9
>= 1000	8.2	71.8	78.3	82.3	84.6	85.2	86.1	86.5	86.5	86.7	86.9	86.9	87.0	87.0	87.1	87.2
>= 900	8.2	71.9	78.5	82.6	85.1	85.7	86.6	87.1	87.1	87.3	87.4	87.4	87.6	87.6	87.6	87.8
>= 800	8.2	72.1	78.9	83.2	85.9	86.5	87.7	88.2	88.2	88.6	88.7	88.7	88.9	88.9	89.0	89.1
>= 700	8.2	72.3	79.3	83.7	86.7	87.4	88.7	89.3	89.3	89.7	89.8	89.8	90.0	90.0	90.1	90.3
>= 600	8.2	72.5	79.5	84.1	87.3	88.1	89.6	90.4	90.4	90.9	91.1	91.1	91.2	91.3	91.4	91.5
>= 500	8.2	72.5	79.7	84.4	88.0	88.9	90.9	91.8	91.9	92.5	92.8	92.8	93.1	93.1	93.2	93.3
>= 400	8.2	72.7	79.9	84.7	88.6	89.7	91.9	93.0	93.1	94.0	94.4	94.4	94.7	94.7	94.8	94.9
>= 300	8.2	72.7	80.0	84.9	89.0	90.2	92.8	94.0	94.2	95.3	95.8	95.9	96.3	96.3	96.5	96.7
>= 200	8.2	72.7	80.0	85.0	89.2	90.5	93.3	94.6	94.9	96.2	96.9	96.9	97.5	97.6	97.9	98.1
>= 100	8.2	72.7	80.0	85.0	89.2	90.5	93.3	94.7	95.0	96.4	97.2	97.3	98.1	98.2	98.7	99.0
>= 0	8.2	72.7	80.0	85.0	89.2	90.5	93.3	94.8	95.0	96.5	97.3	97.4	98.3	98.4	99.0	100.0

TOTAL NO. OF OBS : 9182

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : FEB
CLASS : ALL WEATHER HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.5	2.8	3.4	2.3	.5	.3	.0	.0	.0	.0	.0	10.7	8.7
NNE	.4	.7	2.3	1.3	.1	.4	.0	.0	.0	.0	.0	5.1	9.9
NE	.8	.6	1.0	.9	.0	.0	.0	.0	.0	.0	.0	3.2	7.9
ENE	.4	.7	1.0	.3	.2	.0	.0	.0	.0	.0	.0	2.6	7.5
E	.5	.5	.7	.5	.0	.0	.0	.0	.0	.0	.0	2.2	7.0
ESE	.4	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.0	6.1
SE	.6	.7	.5	.2	.0	.1	.0	.0	.0	.0	.0	2.1	6.7
SSE	1.2	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	2.7	4.9
S	1.9	2.2	1.9	.6	.0	.0	.0	.0	.0	.0	.0	6.5	6.0
SSW	.9	2.1	2.4	1.2	.3	.0	.0	.0	.0	.0	.0	6.8	7.7
SW	2.4	2.6	2.1	1.5	.3	.2	.0	.0	.0	.0	.0	8.9	7.4
WSW	1.6	1.9	1.9	1.2	.2	.0	.1	.0	.0	.0	.0	6.8	7.7
W	.9	1.5	1.5	1.2	.0	.0	.0	.0	.0	.0	.0	5.0	7.1
WNW	.6	.5	.9	1.8	.0	.0	.0	.0	.0	.0	.0	3.7	9.3
NW	.3	1.5	2.0	1.9	.6	.2	.0	.0	.0	.0	.0	6.4	10.5
NNW	1.5	2.0	2.0	2.8	.8	.0	.0	.0	.0	.0	.0	8.9	9.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.4	.0
ALL	15.6	21.0	23.9	17.8	2.9	1.2	.1	.0	.0	.0	.0	100.0	6.7

TOTAL NO. OF OBS : 1017

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : FEB
CLASS : ALL WEATHER HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.5	3.1	4.2	2.9	.8	.2	.0	.0	.0	.0	.0	12.7	9.0
NNE	1.0	1.1	2.1	1.8	.4	.1	.0	.0	.0	.0	.0	6.4	9.2
NE	.4	.7	1.4	.3	.1	.0	.0	.0	.0	.0	.0	2.9	7.6
ENE	.0	1.0	.9	.5	.1	.0	.0	.0	.0	.0	.0	2.5	8.4
E	.5	.4	.9	.1	.1	.0	.0	.0	.0	.0	.0	2.0	6.8
ESE	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.7	6.3
SE	.4	.1	.7	.1	.3	.0	.0	.0	.0	.0	.0	1.6	8.9
SSE	.5	.9	.4	.2	.0	.0	.0	.0	.0	.0	.0	2.0	5.5
S	1.4	1.2	.9	.6	.1	.0	.0	.0	.0	.0	.0	4.1	6.1
SSW	.8	1.9	2.4	.6	.1	.0	.0	.0	.0	.0	.0	5.7	7.1
SW	2.8	2.7	2.1	1.4	.5	.0	.0	.0	.0	.0	.0	9.3	6.8
WSW	1.7	1.9	2.0	1.2	.2	.1	.0	.0	.0	.0	.0	7.0	7.4
W	1.5	2.1	2.0	1.5	.2	.0	.0	.0	.0	.0	.0	7.2	7.6
WNW	.0	.6	1.7	.9	.1	.1	.0	.0	.0	.0	.0	3.3	9.8
NW	1.1	1.5	1.7	1.5	.0	.3	.1	.0	.0	.0	.0	6.1	8.8
NNW	.7	2.6	2.8	2.3	.8	.0	.0	.0	.0	.0	.0	9.0	9.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.6	.0
ALL	14.3	21.7	26.1	15.7	3.7	.8	.1	.0	.0	.0	.0	100.0	6.6

TOTAL NO. OF OBS : 1017

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : FEB
CLASS : ALL WEATHER HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.5	2.5	3.7	2.6	.8	.5	.0	.0	.0	.0	.0	11.7	9.3
NNE	.4	1.8	2.2	1.7	.5	.1	.0	.0	.0	.0	.0	6.6	9.2
NE	.6	1.3	1.3	1.3	.1	.0	.0	.0	.0	.0	.0	4.5	8.2
ENE	.5	.4	.7	.6	.0	.0	.0	.0	.0	.0	.0	2.2	8.0
E	.9	1.1	.9	.3	.2	.0	.0	.0	.0	.0	.0	3.4	6.6
ESE	.2	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	1.2	6.8
SE	.4	.8	.3	.3	.0	.0	.0	.0	.0	.0	.0	1.7	5.9
SSE	.4	.4	1.1	.3	.2	.1	.0	.0	.0	.0	.0	2.4	8.9
S	.7	1.5	1.1	.4	.0	.0	.0	.0	.0	.0	.0	3.7	6.1
SSW	1.1	1.6	1.8	.6	.2	.1	.0	.0	.0	.0	.0	5.5	7.2
SW	2.5	2.2	1.9	1.4	.1	.1	.0	.0	.0	.0	.0	8.1	6.9
WSW	1.5	2.0	2.3	1.4	.3	.0	.0	.0	.0	.0	.0	7.4	7.5
W	1.5	2.1	1.7	1.2	.2	.1	.0	.0	.0	.0	.0	6.7	7.2
WNW	.7	.8	1.3	1.5	.3	.1	.0	.0	.0	.0	.0	4.7	9.6
NW	.7	.7	1.6	1.8	.2	.1	.0	.0	.0	.0	.0	5.2	9.5
NNW	1.4	2.3	3.1	2.7	1.0	.2	.0	.0	.0	.0	.0	10.6	9.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0
ALL	14.8	22.1	25.3	18.3	3.9	1.3	.0	.0	.0	.0	.0	100.0	7.0

TOTAL NO. OF OBS : 1099

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : FEB
CLASS : ALL WEATHER HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.7	2.0	4.1	4.4	.5	.6	.0	.0	.0	.0	.0	12.4	10.5
NNE	.2	1.9	2.9	1.8	.5	.2	.0	.0	.0	.0	.0	7.5	9.7
NE	.5	1.0	2.3	1.5	.2	.0	.0	.0	.0	.0	.0	5.4	9.1
ENE	.6	.9	1.1	.8	.3	.0	.0	.0	.0	.0	.0	3.7	8.5
E	.7	1.1	.7	.7	.1	.0	.0	.0	.0	.0	.0	3.4	7.6
ESE	.2	.6	.8	.2	.2	.0	.0	.0	.0	.0	.0	2.0	8.4
SE	.6	.9	1.2	.4	.0	.0	.0	.0	.0	.0	.0	3.1	7.0
SSE	.4	1.5	1.3	.5	.1	.0	.0	.0	.0	.0	.0	3.7	7.6
S	1.1	1.0	1.4	.5	.5	.1	.0	.0	.0	.0	.0	4.5	8.0
SSW	.3	1.0	1.8	1.0	.1	.2	.0	.0	.0	.0	.0	4.4	9.4
SW	.8	1.5	2.4	2.4	.4	.4	.0	.0	.0	.0	.0	7.8	9.9
WSW	.5	1.5	2.8	1.6	.8	.3	.0	.0	.0	.0	.0	7.7	9.9
W	.5	1.2	2.3	1.9	.4	.2	.0	.0	.0	.0	.0	6.5	10.0
WNW	.5	.4	2.4	2.0	1.3	.2	.0	.0	.0	.0	.0	6.6	12.1
NW	.4	1.2	2.0	3.2	.8	.1	.0	.0	.0	.0	.0	7.7	11.3
NNW	.5	1.3	3.4	4.6	.7	.4	.0	.0	.0	.0	.0	10.7	11.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0
ALL	8.5	19.0	32.8	27.4	6.7	2.6	.0	.0	.0	.0	.0	100.0	9.6

TOTAL NO. OF OBS : 1098

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA
PERIOD OF RECORD : 1945-1987
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : FEB
HOUR : 1300 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.5	1.6	4.6	3.2	1.0	.1	.0	.0	.0	.0	.0	10.9	10.3
NNE	.5	1.5	2.4	1.7	.5	.1	.0	.0	.0	.0	.0	6.8	9.7
NE	.5	1.5	1.5	.7	.2	.1	.0	.0	.0	.0	.0	4.6	8.0
ENE	.6	1.5	1.4	.6	.2	.0	.0	.0	.0	.0	.0	4.3	7.4
E	.7	2.0	1.2	.9	.1	.0	.0	.0	.0	.0	.0	4.9	7.2
ESE	.1	1.1	.7	.7	.0	.0	.0	.0	.0	.0	.0	2.6	8.2
SE	.3	1.5	1.7	.5	.1	.0	.0	.0	.0	.0	.0	4.2	7.7
SSE	.3	.3	1.4	1.0	.2	.0	.0	.0	.0	.0	.0	3.1	9.6
S	.3	.8	.8	1.1	.2	.2	.0	.0	.0	.0	.0	3.4	10.2
SSW	.1	.7	2.0	1.5	.3	.1	.0	.0	.0	.0	.0	4.6	10.2
SW	.4	.5	1.2	2.9	.5	.5	.1	.0	.0	.0	.0	6.1	12.6
WSW	.5	.7	2.3	2.7	.6	.4	.0	.0	.0	.0	.0	7.2	11.6
W	.5	1.4	2.7	2.8	.9	.0	.0	.0	.0	.0	.0	8.3	10.5
WNW	.2	.3	1.5	2.3	.6	.6	.1	.0	.0	.0	.0	5.6	13.8
NW	.5	1.6	1.7	2.7	.8	.3	.0	.0	.0	.0	.0	7.7	10.5
NNW	.5	1.5	4.6	5.2	1.5	.4	.0	.0	.0	.0	.0	13.6	11.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0
ALL	6.4	18.7	31.6	30.7	7.7	2.7	.2	.0	.0	.0	.0	100.0	10.1

TOTAL NO. OF OBS : 1097

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : FEB
CLASS : ALL WEATHER HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.2	2.6	4.8	4.4	.3	.2	.0	.0	.0	.0	.0	13.5	9.3
NNE	.4	1.5	2.6	.8	.1	.3	.0	.0	.0	.0	.0	5.6	8.9
NE	.5	2.3	2.0	.5	.3	.0	.0	.0	.0	.0	.0	5.6	7.3
ENE	.7	2.0	1.7	.6	.0	.0	.0	.0	.0	.0	.0	5.1	6.6
E	.7	3.3	2.3	.3	.1	.0	.0	.0	.0	.0	.0	6.7	6.3
ESE	.3	2.0	2.1	.5	.4	.0	.0	.0	.0	.0	.0	5.2	8.0
SE	.4	1.7	2.2	.9	.2	.0	.0	.0	.0	.0	.0	5.4	8.1
SSE	.3	.7	.8	1.1	.2	.0	.0	.0	.0	.0	.0	3.1	9.7
S	.1	.6	1.9	.5	.0	.0	.0	.0	.0	.0	.0	3.2	8.2
SSW	.1	.5	2.4	1.6	.4	.2	.2	.0	.0	.0	.0	5.4	11.5
SW	.1	.7	2.1	1.2	.9	.3	.1	.0	.0	.0	.0	5.4	12.0
WSW	.1	.9	1.6	1.2	.5	.3	.0	.0	.0	.0	.0	4.6	11.2
W	.3	2.1	2.6	2.7	.5	.2	.0	.0	.0	.0	.0	8.3	9.9
WNW	.2	.5	1.6	2.0	.9	.2	.0	.0	.0	.0	.0	5.4	12.2
NW	.2	1.4	2.3	2.1	.9	.3	.0	.0	.0	.0	.0	7.1	11.0
NNW	.6	2.1	4.1	2.1	.8	.1	.0	.0	.0	.0	.0	9.9	9.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0
ALL	6.1	25.1	37.0	22.6	6.4	1.9	.3	.0	.0	.0	.0	100.0	9.3

TOTAL NO. OF OBS : 1095

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : FEB
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.2	2.8	3.4	2.1	.8	.2	.0	.0	.0	.0	.0	10.4	8.9
NNE	1.7	1.4	2.4	1.0	.3	.2	.0	.0	.0	.0	.0	6.9	7.7
NE	.7	1.0	1.4	.2	.3	.1	.0	.0	.0	.0	.0	3.7	8.2
ENE	1.1	.5	.7	.4	.0	.0	.0	.0	.0	.0	.0	2.6	5.9
E	1.3	1.3	.5	.5	.0	.0	.0	.0	.0	.0	.0	3.5	5.5
ESE	1.5	.7	.4	.1	.2	.1	.0	.0	.0	.0	.0	3.0	5.8
SE	1.4	2.0	1.1	.5	.1	.0	.0	.0	.0	.0	.0	5.1	6.0
SSE	3.1	3.8	1.6	.6	.1	.0	.0	.0	.0	.0	.0	9.2	5.4
S	1.2	2.6	1.4	.9	.0	.0	.0	.0	.0	.0	.0	6.1	6.3
SSW	.4	2.1	1.4	1.1	.4	.0	.0	.0	.0	.0	.0	5.3	8.3
SW	1.3	1.0	1.9	.2	.4	.1	.0	.0	.0	.0	.0	4.8	7.6
WSW	1.1	1.3	1.1	1.0	.2	.0	.0	.0	.0	.0	.0	4.5	7.3
W	1.2	1.4	1.1	.3	.2	.0	.0	.0	.0	.0	.0	4.1	6.1
WNW	1.0	1.2	1.4	1.1	.4	.2	.0	.0	.0	.0	.0	5.2	8.9
NW	.6	.5	1.2	.7	.6	.2	.0	.0	.0	.0	.0	3.7	10.2
NNW	.9	1.6	1.6	1.4	.3	.1	.0	.0	.0	.0	.0	6.0	8.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.9	.0
ALL	19.4	25.0	22.6	11.9	4.1	1.2	.0	.0	.0	.0	.0	100.0	6.2

TOTAL NO. OF OBS : 1037

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : FEB
CLASS : ALL WEATHER HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.4	2.3	3.0	2.5	1.0	.3	.0	.0	.0	.0	.0	10.5	9.6
NNE	1.1	1.2	1.5	1.3	.3	.1	.0	.0	.0	.0	.0	5.4	8.3
NE	.5	1.1	1.5	.8	.0	.0	.0	.0	.0	.0	.0	3.8	7.2
ENE	.4	.4	.5	.4	.1	.0	.0	.0	.0	.0	.0	1.8	8.4
E	.8	1.0	.8	.4	.0	.0	.0	.0	.0	.0	.0	2.9	6.4
ESE	1.0	.2	.8	.3	.1	.0	.0	.0	.0	.0	.0	2.4	6.8
SE	.4	.8	.5	.4	.1	.0	.0	.0	.0	.0	.0	2.2	7.2
SSE	1.5	1.8	1.0	.4	.1	.0	.0	.0	.0	.0	.0	4.7	5.6
S	2.8	4.3	2.3	.4	.2	.0	.0	.0	.0	.0	.0	10.0	5.5
SSW	1.5	1.9	2.7	1.1	.1	.1	.0	.0	.0	.0	.0	7.4	7.3
SW	2.4	1.1	1.9	1.2	.6	.1	.0	.0	.0	.0	.0	7.2	7.7
WSW	1.0	1.2	1.4	.9	.2	.0	.0	.0	.0	.0	.0	4.6	7.8
W	1.0	.8	1.3	.8	.4	.0	.0	.0	.0	.0	.0	4.2	7.9
WNW	.8	1.3	.8	1.2	.3	.0	.0	.0	.0	.0	.0	4.3	8.4
NW	.5	.6	1.9	1.2	.5	.3	.0	.0	.0	.0	.0	4.9	10.7
NNW	.8	1.6	1.5	2.1	.8	.0	.0	.0	.0	.0	.0	6.7	9.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.2	.0
ALL	17.6	21.3	23.1	15.2	4.7	.9	.0	.0	.0	.0	.0	100.0	6.5

TOTAL NO. OF OBS : 1020

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : FEB
CLASS : ALL WEATHER HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.2	2.5	3.9	3.1	.7	.3	.0	.0	.0	.0	.0	11.6	9.5
NNE	.7	1.4	2.3	1.4	.3	.2	.0	.0	.0	.0	.0	6.3	9.1
NE	.6	1.2	1.6	.8	.1	.0*	.0	.0	.0	.0	.0	4.2	8.0
ENE	.5	.9	1.0	.5	.1	.0	.0	.0	.0	.0	.0	3.1	7.5
E	.8	1.3	1.0	.5	.1	.0	.0	.0	.0	.0	.0	3.6	6.6
ESE	.5	.7	.7	.3	.1	.0*	.0	.0	.0	.0	.0	2.3	7.3
SE	.6	1.1	1.0	.4	.1	.0*	.0	.0	.0	.0	.0	3.2	7.2
SSE	.9	1.2	1.0	.6	.1	.0*	.0	.0	.0	.0	.0	3.8	6.9
S	1.2	1.8	1.5	.6	.1	.0*	.0	.0	.0	.0	.0	5.1	6.7
SSW	.6	1.5	2.1	1.1	.2	.1	.0*	.0	.0	.0	.0	5.6	8.5
SW	1.5	1.5	1.9	1.5	.4	.2	.0*	.0	.0	.0	.0	7.2	8.6
WSW	1.0	1.4	1.9	1.4	.4	.1	.0*	.0	.0	.0	.0	6.2	8.9
W	.9	1.6	1.9	1.6	.3	.1	.0	.0	.0	.0	.0	6.3	8.6
WNW	.5	.7	1.4	1.6	.5	.2	.0*	.0	.0	.0	.0	4.9	10.8
NW	.5	1.1	1.8	1.9	.6	.2	.0*	.0	.0	.0	.0	6.1	10.4
NNW	.8	1.9	2.9	2.9	.8	.1	.0	.0	.0	.0	.0	9.5	9.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8	.0
ALL	12.7	21.7	27.9	20.1	5.1	1.6	.1	.0	.0	.0	.0	100.0	7.8

TOTAL NO. OF OBS : 8480

NOTES :
* = PERCENT < .05

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : FEB
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.3	49.2	51.7	52.3	52.9	53.1	53.2	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.7	53.7
>=20000	8.5	52.3	54.8	55.4	56.0	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.9	56.9
>=18000	8.5	52.4	54.9	55.6	56.2	56.4	56.5	56.8	56.8	56.8	56.8	56.8	56.9	56.9	57.1	57.1
>=16000	8.5	52.4	54.9	55.6	56.2	56.4	56.5	56.8	56.8	56.8	56.8	56.8	56.9	56.9	57.1	57.1
>=14000	8.5	52.5	55.0	55.7	56.3	56.5	56.6	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.2	57.2
>=12000	8.5	53.5	56.1	56.8	57.5	57.7	57.8	58.1	58.1	58.1	58.2	58.2	58.3	58.3	58.5	58.5
>=10000	9.0	56.5	59.1	60.0	60.7	60.9	61.0	61.3	61.3	61.3	61.4	61.4	61.5	61.5	61.7	61.7
>= 9000	9.1	56.7	59.3	60.2	60.9	61.1	61.2	61.5	61.5	61.5	61.6	61.6	61.7	61.7	61.9	61.9
>= 8000	9.6	61.2	64.4	65.7	66.4	66.6	66.7	67.0	67.0	67.0	67.1	67.1	67.2	67.2	67.4	67.4
>= 7000	9.6	62.2	65.5	66.9	67.7	67.9	68.0	68.3	68.3	68.3	68.4	68.4	68.5	68.5	68.7	68.7
>= 6000	9.7	63.2	66.6	68.0	68.9	69.1	69.2	69.5	69.5	69.5	69.6	69.6	69.7	69.7	69.9	69.9
>= 5000	9.9	65.1	68.6	70.0	70.9	71.1	71.2	71.5	71.5	71.5	71.6	71.6	71.7	71.7	71.9	71.9
>= 4500	9.9	65.9	69.4	70.9	71.8	72.0	72.1	72.4	72.4	72.4	72.5	72.5	72.6	72.6	72.8	72.8
>= 4000	10.0	67.4	71.1	72.8	73.7	73.9	74.0	74.3	74.3	74.3	74.4	74.4	74.5	74.5	74.7	74.7
>= 3500	10.1	68.1	71.9	73.6	74.5	74.7	74.8	75.1	75.1	75.1	75.2	75.2	75.3	75.3	75.5	75.5
>= 3000	10.1	69.9	73.9	75.7	76.7	76.9	77.0	77.3	77.3	77.3	77.4	77.4	77.5	77.5	77.7	77.7
>= 2500	10.1	70.7	75.0	77.1	78.2	78.4	78.5	78.9	78.9	79.1	79.2	79.2	79.3	79.3	79.5	79.5
>= 2000	10.1	71.5	76.2	78.5	79.9	80.1	80.2	80.5	80.5	80.7	80.8	80.8	80.9	80.9	81.1	81.1
>= 1800	10.1	71.6	76.3	78.7	80.0	80.3	80.4	80.7	80.7	80.9	81.0	81.0	81.1	81.1	81.3	81.3
>= 1500	10.2	72.7	77.4	80.2	81.6	81.9	82.0	82.3	82.3	82.5	82.6	82.6	82.7	82.7	82.9	82.9
>= 1200	10.2	73.1	78.4	81.5	82.9	83.2	83.4	83.7	83.7	83.9	84.0	84.0	84.1	84.1	84.3	84.3
>= 1000	10.3	74.2	79.8	82.9	84.5	84.8	85.0	85.3	85.3	85.5	85.6	85.6	85.7	85.8	86.0	86.0
>= 900	10.3	74.3	79.9	83.0	84.6	84.9	85.1	85.4	85.4	85.6	85.7	85.7	85.8	85.9	86.1	86.1
>= 800	10.3	74.5	80.6	83.8	85.9	86.2	86.4	86.7	86.7	87.0	87.1	87.1	87.2	87.3	87.5	87.5
>= 700	10.4	75.0	81.1	84.4	86.6	87.1	87.3	87.6	87.6	87.9	88.0	88.0	88.1	88.2	88.4	88.4
>= 600	10.4	75.1	81.5	85.1	87.3	87.9	88.1	88.5	88.5	88.8	89.0	89.0	89.1	89.2	89.4	89.4
>= 500	10.4	75.4	81.9	85.6	87.9	88.6	88.9	89.5	89.5	90.1	90.5	90.5	90.7	90.8	91.1	91.1
>= 400	10.4	75.4	82.0	86.1	88.6	89.4	89.7	90.7	90.7	91.3	91.8	91.8	92.0	92.1	92.4	92.5
>= 300	10.4	75.6	82.5	86.7	89.5	90.4	90.9	91.9	91.9	92.6	93.3	93.3	93.5	93.6	94.0	94.2
>= 200	10.4	75.6	82.6	86.9	89.9	90.8	91.7	93.1	93.1	94.2	94.9	94.9	95.4	95.5	96.0	96.2
>= 100	10.4	75.6	82.6	86.9	89.9	90.8	91.7	93.3	93.3	94.6	95.6	95.6	96.4	96.5	97.1	97.5
>= 0	10.4	75.6	82.6	86.9	89.9	90.8	91.7	93.3	93.3	94.7	95.7	95.7	96.8	97.0	98.0	100.0

TOTAL NO. OF OBS : 993

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA
PERIOD OF RECORD : 1945-1987
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : FEB
HOUR : 0400 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.1	46.9	49.6	50.7	51.3	51.4	51.8	52.0	52.0	52.0	52.1	52.1	52.4	52.4	52.5	53.2
>=20000	7.2	48.8	51.6	52.7	53.3	53.4	53.9	54.2	54.2	54.2	54.3	54.3	54.6	54.6	54.7	55.4
>=18000	7.2	48.8	51.6	52.8	53.4	53.5	54.0	54.3	54.3	54.3	54.4	54.4	54.7	54.7	54.8	55.5
>=16000	7.2	48.8	51.6	52.8	53.4	53.5	54.0	54.3	54.3	54.3	54.4	54.4	54.7	54.7	54.8	55.5
>=14000	7.2	49.0	51.9	53.1	53.7	53.8	54.3	54.6	54.6	54.6	54.7	54.7	55.0	55.0	55.1	55.8
>=12000	7.2	49.9	52.9	54.1	54.7	54.8	55.3	55.6	55.6	55.6	55.7	55.7	56.0	56.0	56.1	56.9
>=10000	7.7	54.4	57.6	59.0	59.6	59.7	60.2	60.5	60.5	60.5	60.6	60.6	61.0	61.0	61.1	61.8
>= 9000	7.7	54.8	58.0	59.4	60.0	60.1	60.6	60.9	60.9	60.9	61.0	61.0	61.4	61.4	61.5	62.2
>= 8000	8.2	58.2	62.1	63.7	64.4	64.5	65.0	65.3	65.3	65.3	65.4	65.4	65.8	65.8	65.9	66.6
>= 7000	8.2	59.9	63.9	65.5	66.2	66.3	66.8	67.1	67.1	67.1	67.2	67.2	67.6	67.6	67.7	68.4
>= 6000	8.3	60.7	64.7	66.4	67.1	67.2	67.7	68.0	68.0	68.0	68.1	68.1	68.5	68.5	68.6	69.4
>= 5000	8.6	62.1	66.2	67.9	68.6	68.8	69.3	69.6	69.6	69.6	69.7	69.7	70.1	70.1	70.2	70.9
>= 4500	8.6	62.7	66.9	68.6	69.4	69.5	70.0	70.3	70.3	70.3	70.4	70.4	70.8	70.8	70.9	71.6
>= 4000	8.7	64.2	68.8	70.6	71.4	71.5	72.0	72.3	72.3	72.3	72.4	72.4	72.8	72.8	72.9	73.6
>= 3500	8.9	65.2	69.8	71.7	72.5	72.6	73.1	73.4	73.4	73.4	73.5	73.5	73.9	73.9	74.0	74.7
>= 3000	9.0	67.0	72.2	74.1	74.9	75.0	75.5	75.8	75.8	75.8	75.9	75.9	76.3	76.3	76.4	77.1
>= 2500	9.1	68.2	73.5	75.5	76.6	76.7	77.2	77.5	77.5	77.5	77.6	77.6	78.0	78.0	78.1	78.8
>= 2000	9.2	69.6	75.1	77.4	78.8	78.9	79.4	79.7	79.7	79.7	79.8	79.8	80.2	80.2	80.3	81.0
>= 1800	9.2	69.8	75.3	77.6	79.0	79.1	79.6	79.9	79.9	79.9	80.0	80.0	80.4	80.4	80.5	81.3
>= 1500	9.2	70.3	75.9	78.9	80.5	80.6	81.1	81.5	81.5	81.5	81.7	81.7	82.1	82.1	82.2	82.9
>= 1200	9.2	70.9	76.6	79.7	81.4	81.6	82.1	82.5	82.5	82.5	82.7	82.7	83.1	83.1	83.2	83.9
>= 1000	9.2	71.5	77.5	80.8	82.8	83.0	83.5	83.9	83.9	83.9	84.1	84.1	84.5	84.5	84.6	85.3
>= 900	9.2	71.7	77.8	81.3	83.2	83.4	83.9	84.3	84.3	84.3	84.5	84.5	84.9	84.9	85.0	85.7
>= 800	9.2	71.8	78.2	81.8	83.9	84.1	84.6	85.0	85.0	85.0	85.2	85.2	85.6	85.6	85.7	86.4
>= 700	9.2	72.2	78.8	82.4	84.5	84.7	85.3	85.7	85.7	85.7	85.9	85.9	86.4	86.4	86.5	87.2
>= 600	9.2	72.4	79.2	83.2	85.6	85.8	86.7	87.2	87.2	87.3	87.5	87.5	88.0	88.0	88.1	88.8
>= 500	9.2	72.6	79.9	84.0	86.5	86.8	87.8	88.4	88.5	88.6	88.8	88.8	89.3	89.3	89.4	90.1
>= 400	9.2	72.7	80.3	84.7	87.6	88.1	89.5	90.2	90.3	90.6	90.8	90.8	91.3	91.3	91.4	92.1
>= 300	9.2	72.8	80.7	85.1	88.4	89.1	91.3	92.1	92.2	92.5	92.8	92.8	93.4	93.4	93.5	94.3
>= 200	9.2	72.8	80.7	85.3	88.9	89.7	92.0	93.3	93.4	94.3	94.7	94.7	95.5	95.5	95.8	96.5
>= 100	9.2	72.8	80.7	85.3	88.9	89.7	92.0	93.3	93.4	94.3	94.8	94.9	95.7	95.7	96.1	97.4
>= 0	9.2	72.8	80.7	85.3	88.9	89.7	92.0	93.3	93.4	94.3	94.8	94.9	95.8	95.8	97.0	100.0

TOTAL NO. OF OBS : 992

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : FEB
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	4.7	38.6	42.1	43.7	44.7	44.9	45.6	45.7	45.7	45.9	46.1	46.1	46.2	46.3	46.4	46.8
>=20000	4.7	41.5	45.6	47.3	48.6	48.8	49.6	49.8	49.8	50.0	50.3	50.3	50.4	50.5	50.6	51.0
>=18000	4.7	41.6	45.8	47.5	48.8	49.0	49.8	50.0	50.0	50.4	50.7	50.7	50.8	50.9	51.0	51.4
>=16000	4.7	41.6	45.8	47.5	48.8	49.0	49.8	50.0	50.0	50.4	50.7	50.7	50.8	50.9	51.0	51.4
>=14000	4.7	42.0	46.2	48.0	49.6	49.8	50.5	50.8	50.8	51.2	51.4	51.4	51.5	51.6	51.7	52.1
>=12000	4.8	43.3	47.7	49.6	51.3	51.4	52.2	52.5	52.6	53.1	53.4	53.4	53.5	53.6	53.7	54.1
>=10000	5.4	47.4	52.3	54.1	56.1	56.3	57.0	57.3	57.4	58.0	58.2	58.2	58.3	58.4	58.5	59.0
>= 9000	5.5	47.7	52.6	54.4	56.4	56.6	57.3	57.6	57.7	58.2	58.5	58.5	58.6	58.7	58.8	59.3
>= 8000	6.0	52.0	57.1	59.4	61.5	61.7	62.4	62.7	62.8	63.5	63.8	63.8	63.9	64.0	64.1	64.6
>= 7000	6.1	53.0	58.2	60.6	62.7	62.9	63.7	63.9	64.0	64.8	65.1	65.1	65.2	65.3	65.4	65.9
>= 6000	6.2	53.7	58.9	61.4	63.6	63.7	64.5	64.8	64.9	65.6	66.0	66.0	66.1	66.2	66.3	66.7
>= 5000	6.4	54.9	60.2	62.7	65.1	65.2	66.0	66.3	66.4	67.1	67.5	67.5	67.6	67.7	67.8	68.2
>= 4500	6.6	55.5	60.9	63.5	65.9	66.1	66.8	67.1	67.2	67.9	68.3	68.3	68.4	68.5	68.6	69.1
>= 4000	6.7	56.8	62.2	65.1	67.7	67.9	68.7	69.2	69.3	70.1	70.5	70.5	70.5	70.6	70.7	71.2
>= 3500	6.7	57.1	62.5	65.5	68.2	68.5	69.2	69.8	69.9	70.6	71.0	71.0	71.1	71.2	71.3	71.8
>= 3000	6.8	58.4	64.1	67.5	70.4	70.7	71.8	72.4	72.5	73.3	73.6	73.6	73.7	73.8	73.9	74.4
>= 2500	7.2	59.9	65.7	69.3	72.6	73.0	74.1	74.7	74.8	75.6	76.0	76.0	76.0	76.1	76.2	76.7
>= 2000	7.2	61.2	67.7	71.7	75.1	75.6	76.9	77.5	77.6	78.6	78.9	78.9	79.1	79.2	79.3	79.8
>= 1800	7.2	61.5	67.9	71.9	75.4	75.9	77.2	77.8	77.9	78.8	79.2	79.2	79.4	79.5	79.6	80.1
>= 1500	7.2	61.9	68.5	72.7	76.5	77.0	78.3	79.1	79.2	80.1	80.5	80.5	80.7	80.8	80.9	81.5
>= 1200	7.2	62.5	69.5	73.8	77.7	78.2	79.6	80.5	80.6	81.5	81.9	81.9	82.1	82.2	82.3	82.9
>= 1000	7.2	63.1	70.1	74.7	78.8	79.4	81.3	82.5	82.6	83.6	84.0	84.0	84.2	84.2	84.3	84.9
>= 900	7.2	63.1	70.2	74.8	78.8	79.6	81.5	82.7	82.8	83.8	84.2	84.2	84.3	84.4	84.5	85.1
>= 800	7.2	63.6	70.6	75.4	79.8	81.0	83.0	84.3	84.4	85.6	86.0	86.0	86.2	86.4	86.5	87.0
>= 700	7.2	63.7	70.9	75.9	80.4	81.7	84.0	85.3	85.4	86.5	87.0	87.0	87.1	87.3	87.4	88.0
>= 600	7.2	64.1	71.3	76.4	81.3	82.6	84.9	86.4	86.5	87.8	88.3	88.3	88.4	88.7	88.8	89.4
>= 500	7.2	64.2	71.5	76.7	81.8	83.1	85.9	87.8	87.9	89.3	89.8	89.8	90.1	90.4	90.5	91.1
>= 400	7.2	64.2	71.6	76.8	82.0	83.7	87.0	89.2	89.3	90.7	91.3	91.3	91.6	91.9	92.0	92.5
>= 300	7.2	64.2	71.7	76.9	82.6	84.3	87.9	90.1	90.2	91.9	92.7	92.7	93.2	93.5	93.7	94.2
>= 200	7.2	64.3	71.8	77.0	82.9	84.7	88.4	90.9	91.1	93.0	94.1	94.1	94.7	95.0	95.4	96.1
>= 100	7.2	64.3	71.8	77.0	82.9	84.7	88.4	91.0	91.2	93.2	94.4	94.4	95.1	95.4	96.4	97.7
>= 0	7.2	64.3	71.8	77.0	82.9	84.7	88.4	91.0	91.2	93.2	94.6	94.6	95.2	95.6	96.8	100.0

TOTAL NO. OF OBS : 1073

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA
PERIOD OF RECORD : 1945-1987
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : FEB
HOUR : 1000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.8	42.6	44.7	45.9	46.3	46.3	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.8
>=20000	6.3	47.3	49.8	51.1	51.7	51.7	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.3	52.3
>=18000	6.3	47.5	50.0	51.4	52.0	52.0	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6	52.6
>=16000	6.3	47.8	50.4	51.7	52.4	52.4	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9
>=14000	6.3	48.2	50.9	52.3	52.9	52.9	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5
>=12000	6.3	49.9	52.6	54.1	54.8	54.8	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.5	55.5
>=10000	6.4	54.0	57.0	58.6	59.5	59.5	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.1	60.1
>= 9000	6.4	54.3	57.4	59.1	60.1	60.1	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.8
>= 8000	6.7	57.4	61.3	63.4	64.6	64.7	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.5	65.5
>= 7000	6.7	58.6	62.7	65.0	66.2	66.3	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0
>= 6000	6.7	59.5	63.6	65.9	67.1	67.3	67.5	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.1	68.1
>= 5000	6.9	61.3	65.7	68.3	69.7	69.8	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6
>= 4500	6.9	61.5	66.1	68.6	70.2	70.4	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1
>= 4000	7.0	62.6	67.7	70.5	72.5	72.8	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.8	73.8
>= 3500	7.1	63.1	68.3	71.3	73.4	73.8	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.7	74.7
>= 3000	7.3	64.5	70.0	73.1	75.3	75.6	76.0	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.7	76.7
>= 2500	7.4	65.4	71.0	74.3	76.6	77.0	77.6	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3
>= 2000	7.5	67.0	72.9	76.6	79.1	79.6	80.2	80.7	80.8	80.9	80.9	80.9	80.9	80.9	81.0	81.0
>= 1800	7.6	67.1	73.0	76.8	79.3	79.8	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.2	81.2
>= 1500	7.6	68.5	74.6	78.6	81.4	82.0	82.6	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.6	83.6
>= 1200	7.7	69.2	75.4	79.6	82.7	83.4	84.1	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.2	85.2
>= 1000	7.7	69.8	76.3	80.6	84.0	84.7	85.4	86.3	86.4	86.7	86.7	86.7	86.7	86.7	86.9	86.9
>= 900	7.7	70.0	76.5	80.8	84.3	85.0	85.9	86.7	86.8	87.3	87.4	87.4	87.4	87.4	87.6	87.6
>= 800	7.7	70.2	76.9	81.4	85.6	86.3	87.3	88.1	88.2	88.7	88.8	88.8	88.8	88.8	89.0	89.0
>= 700	7.7	70.3	77.0	81.7	85.9	86.6	87.6	88.6	88.7	89.2	89.3	89.3	89.3	89.3	89.4	89.4
>= 600	7.7	70.5	77.2	82.2	86.4	87.0	88.3	89.6	89.9	90.5	90.6	90.6	90.7	90.7	90.8	90.8
>= 500	7.7	70.5	77.5	82.4	86.9	87.7	89.2	91.0	91.2	92.2	92.3	92.3	92.3	92.4	92.6	92.6
>= 400	7.7	70.5	77.5	82.6	87.4	88.1	90.1	92.5	92.7	93.8	94.2	94.2	94.3	94.4	94.6	94.6
>= 300	7.7	70.5	77.5	82.7	87.7	88.5	91.0	93.7	94.0	95.7	96.3	96.3	96.4	96.5	96.6	96.7
>= 200	7.7	70.5	77.5	82.7	87.7	88.5	91.4	94.3	94.7	96.5	97.2	97.3	97.6	97.7	97.9	98.1
>= 100	7.7	70.5	77.5	82.7	87.7	88.5	91.4	94.3	94.7	96.5	97.2	97.4	97.8	98.1	98.7	99.3
>= 0	7.7	70.5	77.5	82.7	87.7	88.5	91.4	94.3	94.7	96.5	97.2	97.4	97.8	98.1	98.7	100.0

TOTAL NO. OF OBS : 1071

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : FEB
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.6	44.4	46.5	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
>=20000	8.0	49.0	51.1	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
>=18000	8.0	49.1	51.2	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
>=16000	8.0	49.2	51.3	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
>=14000	8.3	50.3	52.5	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
>=12000	8.6	52.4	55.0	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
>=10000	9.0	56.5	59.3	60.8	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
>= 9000	9.0	57.0	59.9	61.4	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
>= 8000	9.0	60.2	63.5	65.2	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
>= 7000	9.3	62.3	65.7	67.4	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
>= 6000	9.5	63.6	66.9	68.7	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
>= 5000	9.7	64.6	68.1	70.0	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
>= 4500	9.7	64.9	68.4	70.3	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
>= 4000	9.8	66.2	70.1	72.1	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
>= 3500	9.8	66.9	70.7	72.9	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
>= 3000	9.9	69.2	73.5	75.8	76.6	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
>= 2500	9.9	70.2	75.0	77.4	78.3	78.7	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
>= 2000	10.2	72.2	77.1	79.8	80.9	81.3	81.5	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
>= 1800	10.2	72.3	77.3	79.9	81.1	81.5	81.7	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
>= 1500	10.3	73.4	78.5	81.5	82.8	83.2	83.6	83.9	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2
>= 1200	10.3	74.0	79.5	82.8	84.4	84.8	85.3	85.6	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0
>= 1000	10.3	74.5	80.2	83.7	85.7	86.5	87.2	87.6	87.7	88.0	88.1	88.1	88.1	88.1	88.1	88.1
>= 900	10.3	74.6	80.3	84.1	86.1	87.0	87.8	88.1	88.2	88.6	88.8	88.8	88.8	88.8	88.8	88.8
>= 800	10.3	74.7	80.5	84.5	86.4	87.6	88.5	88.9	89.0	89.5	89.7	89.7	89.7	89.7	89.7	89.7
>= 700	10.3	74.8	80.7	84.7	86.9	88.2	89.5	90.0	90.1	90.7	90.9	91.0	91.0	91.0	91.0	91.0
>= 600	10.3	75.0	81.2	85.3	87.8	89.3	90.7	91.6	91.7	92.3	92.5	92.6	92.8	92.8	92.8	92.8
>= 500	10.3	75.0	81.3	85.6	88.6	90.4	92.1	93.2	93.3	94.0	94.2	94.3	94.5	94.5	94.5	94.5
>= 400	10.3	75.0	81.3	85.9	89.1	90.9	92.7	94.2	94.3	94.9	95.1	95.2	95.7	95.8	96.0	96.0
>= 300	10.3	75.0	81.3	86.0	89.2	91.0	93.0	95.0	95.1	96.2	96.7	96.8	97.4	97.6	97.8	97.8
>= 200	10.3	75.0	81.3	86.0	89.2	91.0	93.0	95.2	95.3	96.6	97.3	97.5	98.4	98.8	99.1	99.1
>= 100	10.3	75.0	81.3	86.0	89.2	91.0	93.0	95.2	95.3	96.8	97.6	97.8	98.8	99.2	99.7	100.0
>= 0	10.3	75.0	81.3	86.0	89.2	91.0	93.0	95.2	95.3	96.8	97.6	97.8	98.8	99.2	99.7	100.0

TOTAL NO. OF OBS : 1062

2 - CEILING VS VISIBILITY

D13769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : FEB
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.3	44.2	45.4	45.7	46.1	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
>=20000	7.5	49.7	51.1	51.6	52.3	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
>=18000	7.5	49.8	51.2	51.8	52.4	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
>=16000	7.5	50.1	51.6	52.3	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
>=14000	7.7	51.2	52.7	53.4	54.0	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
>=12000	8.1	52.7	54.4	55.1	55.8	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
>=10000	8.6	56.6	58.5	59.3	60.3	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
>= 9000	8.6	57.0	58.9	59.8	60.7	60.8	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
>= 8000	8.8	61.2	63.8	64.8	65.7	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
>= 7000	8.8	62.2	65.1	66.1	67.0	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
>= 6000	8.8	62.9	65.7	67.0	68.0	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
>= 5000	8.9	64.6	67.7	69.3	70.3	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
>= 4500	9.4	65.4	68.6	70.3	71.5	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
>= 4000	9.4	67.0	70.3	72.2	73.4	73.6	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
>= 3500	9.5	67.8	71.2	73.2	74.3	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
>= 3000	9.5	70.0	73.5	75.6	76.8	77.3	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
>= 2500	9.7	71.2	74.8	76.8	78.2	78.6	78.8	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
>= 2000	9.8	73.4	77.3	79.6	81.0	81.5	81.7	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
>= 1800	9.8	73.6	77.6	79.8	81.3	81.8	82.0	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
>= 1500	9.8	74.1	78.4	81.1	83.0	83.5	83.8	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4
>= 1200	9.8	74.2	78.9	81.6	83.6	84.3	84.6	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1
>= 1000	9.8	74.6	79.8	82.8	84.9	85.6	86.0	86.4	86.4	86.9	87.0	87.0	87.0	87.0	87.1	87.1
>= 900	9.8	74.6	79.8	83.1	85.3	86.0	86.3	86.8	86.8	87.3	87.4	87.4	87.4	87.4	87.5	87.5
>= 800	9.8	74.7	80.0	83.2	85.6	86.3	87.0	87.8	87.9	88.5	88.6	88.6	88.6	88.6	88.7	88.7
>= 700	9.8	75.0	80.4	83.6	86.1	86.9	87.9	88.7	88.8	89.5	89.7	89.7	89.7	89.7	89.8	89.8
>= 600	9.8	75.2	80.7	84.1	87.1	88.3	89.5	90.3	90.5	91.2	91.4	91.4	91.4	91.4	91.5	91.5
>= 500	9.9	75.3	80.8	84.3	87.6	89.1	90.6	91.9	92.2	93.2	93.7	93.7	93.8	93.9	94.0	94.0
>= 400	9.9	75.3	80.8	84.4	87.9	89.5	91.6	93.0	93.3	94.5	95.1	95.1	95.4	95.5	95.6	95.6
>= 300	9.9	75.4	80.9	84.5	88.1	89.7	92.1	94.0	94.5	96.0	96.6	96.6	97.1	97.2	97.4	97.5
>= 200	9.9	75.4	80.9	84.5	88.1	89.7	92.2	94.3	94.8	96.8	97.7	97.9	98.5	98.8	99.1	99.2
>= 100	9.9	75.4	80.9	84.5	88.1	89.7	92.2	94.3	94.8	96.8	97.8	98.1	98.8	99.2	99.6	99.8
>= 0	9.9	75.4	80.9	84.5	88.1	89.7	92.2	94.3	94.8	96.8	97.8	98.1	98.8	99.2	99.6	100.0

TOTAL NO. OF OBS : 1062

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : FEB
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.2	48.1	50.7	51.3	51.7	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
>=20000	7.4	51.7	54.5	55.3	55.7	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
>=18000	7.4	51.8	54.7	55.5	55.9	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
>=16000	7.4	51.8	54.7	55.5	55.9	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
>=14000	7.6	52.5	55.5	56.3	56.8	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
>=12000	8.0	54.3	57.4	58.2	58.7	58.8	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
>=10000	8.2	57.8	61.1	62.0	62.6	62.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
>= 9000	8.3	58.2	61.5	62.4	63.0	63.1	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
>= 8000	8.3	61.4	65.0	66.1	66.8	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
>= 7000	8.5	62.2	66.0	67.3	68.0	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
>= 6000	8.5	62.9	66.8	68.1	68.8	68.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
>= 5000	8.7	64.7	68.6	70.1	70.8	70.9	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
>= 4500	8.9	65.7	69.9	71.5	72.2	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
>= 4000	8.9	67.0	71.6	73.1	73.9	74.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
>= 3500	8.9	67.7	72.3	74.0	74.8	75.0	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
>= 3000	8.9	69.4	74.3	76.3	77.3	77.5	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
>= 2500	8.9	70.8	76.1	78.4	79.5	79.7	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
>= 2000	9.0	71.9	77.3	79.9	81.4	81.7	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
>= 1800	9.1	72.1	77.7	80.3	81.9	82.2	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
>= 1500	9.1	72.4	78.1	81.0	82.7	83.1	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
>= 1200	9.1	72.5	78.3	81.3	83.4	83.8	84.5	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
>= 1000	9.1	72.9	78.7	82.0	84.3	84.7	85.6	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0
>= 900	9.1	73.0	79.0	82.4	84.9	85.3	86.2	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6
>= 800	9.1	73.4	79.5	82.9	85.6	86.0	86.9	87.1	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5
>= 700	9.1	73.9	80.1	83.8	87.0	87.6	88.8	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4
>= 600	9.1	74.0	80.2	84.2	87.6	88.2	89.5	89.9	89.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4
>= 500	9.1	74.1	80.4	84.5	88.3	89.0	90.7	91.5	91.7	92.6	92.7	92.7	92.7	92.7	92.7	92.7
>= 400	9.1	74.1	80.4	84.5	88.6	89.7	92.3	93.2	93.4	94.4	94.5	94.5	94.5	94.5	94.6	94.6
>= 300	9.1	74.1	80.5	84.6	89.1	90.3	93.5	94.4	94.6	96.1	96.2	96.2	96.2	96.2	96.3	96.3
>= 200	9.1	74.1	80.5	84.6	89.1	90.4	93.8	95.0	95.2	97.1	97.2	97.2	97.3	97.4	97.7	97.9
>= 100	9.1	74.1	80.5	84.6	89.1	90.4	93.9	95.2	95.4	97.4	97.6	97.7	98.0	98.1	98.7	99.0
>= 0	9.1	74.1	80.5	84.6	89.1	90.4	93.9	95.2	95.4	97.4	97.6	97.7	98.0	98.1	99.0	100.0

TOTAL NO. OF OBS : 1009

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : FEB
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.6	50.3	52.8	53.5	54.1	54.1	54.1	54.1	54.1	54.3	54.3	54.3	54.3	54.3	54.4	54.4
>=20000	7.9	53.8	56.5	57.4	58.0	58.1	58.1	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.4	58.4
>=18000	7.9	54.1	56.8	57.7	58.3	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.7	58.7
>=16000	7.9	54.2	56.9	57.8	58.4	58.5	58.5	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.8	58.8
>=14000	7.9	54.3	57.0	58.0	58.6	58.7	58.7	58.7	58.7	58.9	58.9	58.9	58.9	58.9	59.0	59.0
>=12000	8.0	56.0	58.7	59.8	60.4	60.5	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.9	60.9
>=10000	8.3	58.2	61.2	62.3	63.0	63.1	63.2	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.5	63.5
>= 9000	8.4	58.4	61.4	62.6	63.2	63.3	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.7	63.7
>= 8000	8.6	61.6	64.9	66.2	66.8	66.9	67.0	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.3	67.3
>= 7000	9.0	62.6	65.8	67.1	67.7	67.8	67.9	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.2	68.2
>= 6000	9.1	63.4	66.6	68.0	68.6	68.7	68.8	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.1	69.1
>= 5000	9.1	65.0	68.6	70.0	70.7	70.8	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.2	71.2
>= 4500	9.1	65.4	69.1	70.6	71.3	71.4	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.8	71.8
>= 4000	9.1	67.2	71.0	72.5	73.2	73.3	73.4	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.7	73.7
>= 3500	9.1	68.1	72.0	73.5	74.3	74.4	74.5	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.8	74.8
>= 3000	9.4	70.3	74.3	76.0	76.9	77.0	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.4	77.4
>= 2500	9.4	71.4	75.6	77.4	78.8	78.9	79.1	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.4	79.4
>= 2000	9.5	72.9	77.4	79.3	80.8	80.9	81.2	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.5	81.5
>= 1800	9.5	72.9	77.5	79.4	80.9	81.0	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.6	81.6
>= 1500	9.5	73.6	78.3	80.4	82.1	82.3	82.6	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.9	82.9
>= 1200	9.6	74.3	79.0	81.2	82.9	83.1	83.4	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.7	83.7
>= 1000	9.6	74.9	7?.7	82.3	84.2	84.4	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	85.0	85.0
>= 900	9.7	75.2	80.3	82.9	84.9	85.1	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.7	85.7
>= 800	9.7	75.2	80.4	83.1	85.1	85.4	85.7	85.7	85.8	86.0	86.0	86.0	86.0	86.0	86.1	86.1
>= 700	9.7	75.4	80.6	83.8	86.1	86.4	86.8	86.8	86.9	87.1	87.1	87.1	87.1	87.1	87.2	87.2
>= 600	9.7	75.9	81.3	85.2	87.7	88.1	88.9	89.1	89.2	89.4	89.5	89.5	89.5	89.5	89.6	89.6
>= 500	9.7	75.9	81.6	85.7	88.5	88.9	89.8	90.3	90.4	90.8	91.0	91.0	91.2	91.2	91.3	91.4
>= 400	9.7	76.0	82.1	86.4	89.9	90.3	91.6	92.4	92.5	92.9	93.2	93.2	93.4	93.4	93.6	93.7
>= 300	9.7	76.0	82.2	86.6	90.3	90.7	92.3	93.4	93.5	94.1	94.5	94.5	94.7	94.7	95.1	95.2
>= 200	9.7	76.0	82.3	86.9	91.0	91.4	93.1	94.2	94.6	95.5	95.9	95.9	96.2	96.2	96.7	96.8
>= 100	9.7	76.0	82.3	86.9	91.0	91.4	93.3	94.5	94.9	96.0	96.4	96.4	97.1	97.2	97.8	98.4
>= 0	9.7	76.0	82.3	86.9	91.0	91.4	93.3	94.5	94.9	96.0	96.5	96.5	97.3	97.4	98.4	100.0

TOTAL NO. OF OBS : 996

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : FEB
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.9	45.4	47.8	48.7	49.3	49.4	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.9	50.0
>=20000	7.2	49.2	51.8	52.8	53.5	53.6	53.8	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.2	54.4
>=18000	7.2	49.3	51.9	53.0	53.7	53.8	54.0	54.2	54.2	54.3	54.3	54.3	54.4	54.4	54.5	54.6
>=16000	7.2	49.4	52.1	53.2	53.8	53.9	54.2	54.3	54.3	54.4	54.4	54.4	54.5	54.5	54.6	54.7
>=14000	7.3	49.9	52.7	53.8	54.5	54.6	54.8	55.0	55.0	55.0	55.1	55.1	55.2	55.2	55.3	55.4
>=12000	7.4	51.4	54.3	55.5	56.2	56.3	56.6	56.7	56.8	56.9	56.9	56.9	57.0	57.0	57.1	57.2
>=10000	7.8	55.1	58.2	59.5	60.3	60.4	60.7	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.2	61.4
>= 9000	7.9	55.5	58.6	59.9	60.7	60.8	61.1	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.6	61.8
>= 8000	8.1	59.1	62.7	64.3	65.2	65.3	65.6	65.8	65.8	65.9	66.0	66.0	66.1	66.1	66.2	66.3
>= 7000	8.2	60.3	64.1	65.7	66.7	66.8	67.1	67.2	67.3	67.4	67.4	67.4	67.5	67.5	67.6	67.8
>= 6000	8.3	61.2	64.9	66.7	67.6	67.8	68.1	68.2	68.2	68.4	68.4	68.4	68.5	68.5	68.6	68.8
>= 5000	8.5	62.7	66.7	68.5	69.5	69.7	70.0	70.1	70.2	70.3	70.3	70.3	70.4	70.4	70.5	70.7
>= 4500	8.6	63.3	67.4	69.3	70.4	70.5	70.8	71.0	71.0	71.1	71.2	71.2	71.3	71.3	71.4	71.5
>= 4000	8.7	64.7	69.0	71.1	72.3	72.5	72.8	73.0	73.0	73.2	73.2	73.2	73.3	73.3	73.4	73.6
>= 3500	8.7	65.4	69.8	71.9	73.2	73.4	73.7	73.9	73.9	74.0	74.1	74.1	74.2	74.2	74.3	74.4
>= 3000	8.8	67.3	71.9	74.2	75.6	75.9	76.2	76.5	76.5	76.6	76.7	76.7	76.8	76.8	76.9	77.0
>= 2500	8.9	68.4	73.3	75.7	77.3	77.6	78.1	78.3	78.4	78.5	78.6	78.6	78.7	78.7	78.8	78.9
>= 2000	9.0	69.9	75.1	77.8	79.6	79.9	80.4	80.7	80.8	81.0	81.0	81.0	81.1	81.1	81.2	81.4
>= 1800	9.1	70.1	75.3	78.0	79.8	80.2	80.7	81.0	81.0	81.2	81.3	81.3	81.4	81.4	81.5	81.6
>= 1500	9.1	70.8	76.2	79.3	81.3	81.7	82.2	82.6	82.6	82.8	82.9	82.9	83.0	83.0	83.1	83.3
>= 1200	9.1	71.3	76.9	80.2	82.4	82.8	83.4	83.8	83.8	84.0	84.1	84.1	84.2	84.2	84.3	84.5
>= 1000	9.1	71.9	77.7	81.2	83.6	84.1	84.8	85.3	85.3	85.7	85.8	85.8	85.9	85.9	86.0	86.2
>= 900	9.1	72.0	77.9	81.5	84.0	84.5	85.3	85.7	85.8	86.2	86.3	86.3	86.4	86.4	86.5	86.7
>= 800	9.1	72.2	78.3	82.0	84.7	85.3	86.2	86.7	86.8	87.3	87.4	87.4	87.5	87.5	87.6	87.8
>= 700	9.2	72.5	78.7	82.5	85.4	86.1	87.1	87.7	87.8	88.3	88.4	88.4	88.5	88.6	88.7	88.8
>= 600	9.2	72.7	79.0	83.2	86.3	87.1	88.3	89.1	89.2	89.7	89.9	89.9	90.1	90.1	90.2	90.4
>= 500	9.2	72.8	79.3	83.6	87.0	87.9	89.4	90.5	90.6	91.4	91.6	91.7	91.9	91.9	92.0	92.2
>= 400	9.2	72.9	79.4	83.9	87.6	88.7	90.6	91.9	92.1	92.9	93.3	93.3	93.6	93.6	93.8	94.0
>= 300	9.2	72.9	79.6	84.1	88.1	89.2	91.5	93.1	93.3	94.4	94.9	94.9	95.3	95.3	95.6	95.8
>= 200	9.2	72.9	79.6	84.2	88.3	89.5	91.9	93.8	94.0	95.5	96.1	96.2	96.7	96.9	97.2	97.5
>= 100	9.2	72.9	79.6	84.2	88.3	89.5	92.0	93.9	94.1	95.7	96.4	96.5	97.2	97.4	98.0	98.6
>= 0	9.2	72.9	79.6	84.2	88.3	89.5	92.0	93.9	94.1	95.7	96.5	96.6	97.3	97.6	98.4	100.0

TOTAL NO. OF OBS : 8258

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.2	1.9	2.6	2.1	.4	.2	.0	.0	.0	.0	.0	8.5	8.7
NNE	.3	1.0	1.7	.7	.2	.3	.1	.0	.0	.0	.0	4.1	9.8
NE	.3	1.4	1.0	.5	.3	.0	.0	.0	.0	.0	.0	3.5	7.6
ENE	.8	.6	1.0	.7	.1	.0	.0	.0	.0	.0	.0	3.1	7.6
E	.7	1.0	.8	.3	.2	.0	.0	.0	.0	.0	.0	3.0	6.9
ESE	1.1	.8	.6	.4	.1	.1	.0	.0	.0	.0	.0	3.1	6.4
SE	.5	1.3	1.0	.2	.2	.1	.0	.0	.0	.0	.0	3.3	7.1
SSE	1.1	1.5	.6	.1	.0	.1	.0	.0	.0	.0	.0	3.4	5.4
S	2.1	2.4	2.4	1.2	.0	.0	.0	.0	.0	.0	.0	8.2	6.6
SSW	1.3	3.3	3.1	2.0	.2	.0	.0	.0	.0	.0	.0	9.9	7.7
SW	2.2	2.6	1.7	1.0	.1	.1	.0	.0	.0	.0	.0	7.6	6.5
WSW	.9	2.3	1.2	1.1	.1	.0	.0	.0	.0	.0	.0	5.6	7.1
W	.8	1.7	1.8	1.3	.3	.0	.0	.0	.0	.0	.0	5.9	8.1
WNW	.6	.6	1.6	.6	.3	.2	.0	.0	.0	.0	.0	3.9	9.4
NW	.3	.8	1.3	2.1	.6	.0	.0	.0	.0	.0	.0	5.1	11.4
NNW	.4	1.1	2.4	2.6	.3	.3	.0	.0	.0	.0	.0	7.2	10.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.6	.0
ALL	14.6	24.3	24.7	17.0	3.3	1.3	.1	.0	.0	.0	.0	100.0	6.9

TOTAL NO. OF OBS : 1147

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 ; OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.5	2.2	2.8	2.4	.5	.2	.0	.0	.0	.0	.0	9.5	8.8
NNE	.6	1.7	1.9	1.0	.2	.0	.0	.0	.0	.0	.0	5.4	7.9
NE	.2	1.0	1.8	.5	.2	.1	.0	.0	.0	.0	.0	3.8	8.8
ENE	.5	1.0	1.0	.7	.3	.1	.0	.0	.0	.0	.0	3.6	8.4
E	.8	.9	.6	.4	.2	.0	.0	.0	.0	.0	.0	2.9	7.1
ESE	.5	.7	.8	.3	.0	.0	.0	.0	.0	.0	.0	2.3	6.2
SE	.3	1.2	.5	.3	.0	.0	.1	.0	.0	.0	.0	2.5	7.2
SSE	.8	1.0	1.0	.1	.2	.0	.1	.0	.0	.0	.0	3.1	7.0
S	1.5	1.8	1.2	1.0	.0	.0	.0	.0	.0	.0	.0	5.6	6.6
SSW	.9	2.7	3.1	.7	.3	.0	.0	.0	.0	.0	.0	7.8	7.5
SW	2.2	2.7	3.0	1.5	.3	.0	.0	.0	.0	.0	.0	9.6	7.0
WSW	1.6	1.9	1.3	.9	.0	.0	.0	.0	.0	.0	.0	5.7	6.1
W	1.0	1.8	2.1	.8	.3	.0	.0	.0	.0	.0	.0	6.0	7.4
WNW	.2	.7	1.3	.7	.3	.0	.0	.0	.0	.0	.0	3.1	9.6
NW	.4	1.0	1.6	2.1	.5	.0	.1	.0	.0	.0	.0	5.7	10.1
NNW	1.1	1.9	3.0	2.1	.4	.3	.0	.0	.0	.0	.0	8.9	9.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.6	.0
ALL	14.1	24.4	26.9	15.4	3.6	.7	.3	.0	.0	.0	.0	100.0	6.8

TOTAL NO. OF OBS : 1147

NOTES :
= PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : MAR
CLASS : ALL WEATHER HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.7	2.9	3.1	3.3	.9	.1	.0	.0	.0	.0	.0	11.0	9.5
NNE	.1	1.5	1.9	1.0	.2	.0	.0	.0	.0	.0	.0	4.7	8.5
NE	.2	1.2	1.5	1.2	.3	.0	.0	.0	.0	.0	.0	4.4	9.0
ENE	.6	1.3	2.3	.7	.2	.0	.1	.0	.0	.0	.0	5.2	8.7
E	.8	.6	.9	.6	.1	.0	.0	.0	.0	.0	.0	3.1	7.1
ESE	.6	.9	1.0	.0	.1	.0	.0	.0	.0	.0	.0	2.6	6.1
SE	.6	1.0	.6	.6	.2	.0	.1	.0	.0	.0	.0	3.1	8.3
SSE	.3	.6	1.0	.2	.2	.0	.1	.0	.0	.0	.0	2.3	8.4
S	.7	1.5	1.5	1.0	.1	.0	.1	.0	.0	.0	.0	4.8	7.8
SSW	1.0	1.8	2.6	1.5	.2	.0	.2	.0	.0	.0	.0	7.2	8.4
SW	2.3	3.3	2.4	1.9	.3	.0	.0	.0	.0	.0	.0	10.3	7.0
WSW	1.9	2.6	2.1	.9	.2	.1	.1	.0	.0	.0	.0	7.8	6.8
W	1.4	1.6	1.4	1.1	.2	.0	.0	.0	.0	.0	.0	5.6	7.2
WNW	.4	.9	.7	.8	.6	.0	.2	.0	.0	.0	.0	3.6	10.5
NW	.2	.5	1.9	1.3	.5	.2	.0	.0	.0	.0	.0	4.5	10.8
NNW	.4	1.2	2.9	2.1	1.0	.2	.0	.0	.0	.0	.0	7.9	10.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.9	.0
ALL	12.3	23.3	27.6	18.3	5.2	.6	.7	.0	.0	.0	.0	100.0	7.5

TOTAL NO. OF OBS : 1239

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : MAR
CLASS : ALL WEATHER HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.6	1.6	3.8	2.6	.8	.3	.0	.0	.0	.0	.0	9.7	10.4
NNE	.7	1.5	1.9	1.3	.5	.2	.0	.0	.0	.0	.0	6.1	9.5
NE	.4	1.0	2.7	1.7	.1	.1	.0	.0	.0	.0	.0	6.0	9.3
ENE	.6	.9	1.7	1.0	.2	.0	.0	.0	.0	.0	.0	4.4	8.6
E	.4	1.0	1.5	1.0	.0	.0	.0	.0	.0	.0	.0	3.8	8.3
ESE	.2	1.0	1.2	.9	.2	.0	.0	.0	.0	.0	.0	3.5	9.1
SE	.5	.6	1.1	.7	.2	.0	.0	.0	.0	.0	.0	3.1	8.5
SSE	.2	1.2	.7	.7	.2	.1	.0	.0	.0	.0	.0	3.1	8.6
S	.4	1.3	2.1	.6	.1	.1	.0	.0	.0	.0	.0	4.6	8.1
SSW	.3	1.0	2.1	2.3	1.0	.2	.1	.0	.0	.0	.0	7.0	11.3
SW	.2	1.2	2.7	3.1	.6	.2	.1	.0	.0	.0	.0	8.2	11.2
WSW	.2	.9	2.3	2.3	1.0	.1	.1	.0	.0	.0	.0	6.8	11.5
W	.3	1.5	1.9	2.3	.4	.2	.1	.0	.0	.0	.0	6.6	10.6
WNW	.3	1.0	1.5	1.8	1.1	.3	.0	.0	.0	.0	.0	6.1	12.1
NW	.5	.6	1.1	4.3	.6	.2	.2	.0	.0	.0	.0	7.5	12.5
NNW	.2	1.1	3.5	5.4	1.2	.2	.1	.0	.0	.0	.0	11.8	11.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0
ALL	6.0	17.3	32.0	31.9	8.3	2.2	.6	.0	.0	.0	.0	100.0	10.3

TOTAL NO. OF OBS : 1239

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.3	1.9	4.1	3.4	.9	.2	.0	.0	.0	.0	.0	10.7	10.6
NNE	.2	1.1	1.5	1.9	.5	.0	.0	.0	.0	.0	.0	5.2	9.9
NE	.3	1.5	1.9	1.4	.5	.1	.0	.0	.0	.0	.0	5.7	9.5
ENE	.1	2.0	2.7	.9	.2	.0	.0	.0	.0	.0	.0	5.9	8.5
E	.7	1.7	2.2	1.1	.2	.0	.0	.0	.0	.0	.0	5.9	7.9
ESE	.2	.9	2.2	.2	.1	.0	.0	.0	.0	.0	.0	3.5	7.9
SE	.1	1.0	2.3	.7	.7	.2	.0	.0	.0	.0	.0	5.1	10.3
SSE	.2	.4	1.1	.6	.1	.2	.0	.0	.0	.0	.0	2.7	10.3
S	.3	1.1	1.1	.9	.3	.0	.0	.0	.0	.0	.0	3.8	9.3
SSW	.0	.4	1.5	2.3	1.0	.2	.1	.0	.0	.0	.0	5.5	13.0
SW	.1	.7	1.9	2.7	.6	.6	.3	.0	.0	.0	.0	6.9	13.4
WSW	.2	.9	1.9	3.0	.6	.7	.2	.0	.0	.0	.0	7.4	13.1
W	.1	.7	3.3	2.3	.8	.3	.1	.0	.0	.0	.0	7.7	11.9
WNW	.2	.6	1.5	2.3	.9	.3	.0	.0	.0	.0	.0	5.7	12.4
NW	.3	1.0	1.1	2.4	.7	.3	.0	.0	.0	.0	.0	5.9	11.8
NNW	.4	1.5	3.9	4.4	.9	.4	.0	.0	.0	.0	.0	11.4	11.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0
ALL	3.7	17.4	34.0	30.6	9.0	3.5	.6	.0	.0	.0	.0	100.0	10.8

TOTAL NO. OF OBS : 1240

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA
PERIOD OF RECORD : 1945-1987
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : MAR
HOUR : 1600 LST

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.2	1.5	4.9	3.4	.6	.2	.0	.0	.0	.0	.0	10.9	10.4
NNE	.2	1.0	2.0	.8	.2	.1	.0	.0	.0	.0	.0	4.4	9.1
NE	.5	1.4	2.0	1.2	.2	.1	.0	.0	.0	.0	.0	5.3	8.5
ENE	1.0	1.5	2.9	1.5	.2	.0	.0	.0	.0	.0	.0	7.0	8.0
E	.5	3.6	3.2	.4	.4	.0	.0	.0	.0	.0	.0	8.1	7.4
ESE	.3	2.3	3.2	.8	.1	.0	.0	.0	.0	.0	.0	6.6	7.8
SE	.1	1.5	3.6	1.4	.4	.1	.0	.0	.0	.0	.0	7.0	9.4
SSE	.2	.9	2.6	1.1	.1	.2	.0	.0	.0	.0	.0	4.9	9.8
S	.3	.2	1.6	1.3	.2	.2	.0	.0	.0	.0	.0	3.8	10.6
SSW	.0	.7	1.7	1.5	.4	.1	.1	.0	.0	.0	.0	4.4	11.1
SW	.1	.2	2.2	2.3	.8	.3	.2	.1	.0	.0	.0	6.2	13.2
WSW	.1	.3	1.5	2.3	.9	.2	.1	.0	.0	.0	.0	5.3	12.9
W	.3	.4	2.2	2.3	.6	.3	.2	.0	.0	.0	.0	6.4	12.2
WNW	.2	.6	1.7	2.5	.8	.5	.0	.0	.0	.0	.0	6.3	12.3
NW	.2	1.0	1.7	2.0	.3	.0	.0	.0	.0	.0	.0	5.3	10.1
NNW	.4	1.7	1.9	2.4	.4	.2	.0	.0	.0	.0	.0	7.0	10.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0
ALL	4.7	18.8	38.8	27.3	6.6	2.3	.5	.1	.0	.0	.0	100.0	10.0

TOTAL NO. OF OBS : 1236

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : MAR
CLASS : ALL WEATHER HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.7	1.4	2.8	.9	.7	.0	.0	.0	.0	.0	.0	6.4	8.8
NNE	1.0	1.0	1.1	1.0	.1	.1	.0	.0	.0	.0	.0	4.3	7.8
NE	1.2	2.5	1.2	.4	.1	.0	.0	.0	.0	.0	.0	5.5	6.0
ENE	1.1	1.0	.8	.8	.3	.0	.0	.0	.0	.0	.0	4.1	7.5
E	3.2	1.4	1.6	.5	.2	.0	.0	.0	.0	.0	.0	6.9	5.4
ESE	2.5	2.3	1.2	.3	.1	.0	.0	.0	.0	.0	.0	6.3	4.9
SE	2.4	3.8	1.4	.8	.0	.0	.0	.0	.0	.0	.0	8.4	5.4
SSE	2.7	5.9	1.4	.2	.2	.0	.0	.0	.0	.0	.0	10.3	5.1
S	1.4	2.6	2.6	1.5	.1	.0	.0	.0	.0	.0	.0	8.2	7.3
SSW	.3	1.9	1.7	.9	.1	.0	.0	.0	.0	.0	.0	4.9	7.8
SW	.4	2.0	1.3	.8	.4	.2	.0	.0	.0	.0	.0	5.1	8.6
WSW	.9	1.1	1.0	.4	.2	.1	.0	.0	.0	.0	.0	3.7	7.2
W	.6	1.3	1.2	1.1	.2	.1	.0	.0	.0	.0	.0	4.5	8.3
WNW	.5	1.0	1.2	.7	.4	.1	.0	.0	.0	.0	.0	3.9	9.2
NW	.8	1.0	.7	.9	.3	.2	.1	.0	.0	.0	.0	3.9	9.7
NNW	.6	.6	1.6	1.7	.3	.1	.0	.0	.0	.0	.0	4.9	10.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0
ALL	20.4	30.8	22.8	12.8	3.6	.8	.1	.0	.0	.0	.0	100.0	6.5

TOTAL NO. OF OBS : 1152

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.2	1.3	1.9	1.8	.4	.0	.1	.0	.0	.0	.0	6.8	8.8
NNE	.3	1.0	1.3	1.0	.0	.1	.0	.0	.0	.0	.0	3.7	8.9
NE	.4	1.0	1.0	.6	.1	.0	.0	.0	.0	.0	.0	3.1	7.9
ENE	.9	1.3	.5	.3	.2	.0	.0	.0	.0	.0	.0	3.2	6.4
E	1.5	1.5	1.0	.6	.1	.0	.0	.0	.0	.0	.0	4.6	6.2
ESE	1.0	1.3	1.3	.3	.1	.0	.0	.0	.0	.0	.0	4.1	6.4
SE	1.6	1.8	1.1	.4	.0	.0	.0	.0	.0	.0	.0	5.0	5.4
SSE	3.0	2.3	1.1	.3	.1	.0	.0	.0	.0	.0	.0	6.8	4.8
S	3.8	5.2	3.4	.8	.2	.0	.0	.0	.0	.0	.0	13.4	5.8
SSW	.6	2.2	2.9	1.7	.3	.1	.0	.0	.0	.0	.0	7.7	8.4
SW	1.4	1.7	2.1	.7	.2	.1	.0	.0	.0	.0	.0	6.2	7.4
WSW	1.2	1.1	1.0	.3	.3	.0	.0	.0	.0	.0	.0	4.0	6.6
W	1.0	.8	1.7	1.2	.2	.0	.0	.0	.0	.0	.0	4.8	8.1
WNW	.3	1.4	.9	1.2	.6	.1	.1	.0	.0	.0	.0	4.5	10.6
NW	.5	.8	1.0	1.5	.4	.1	.0	.0	.0	.0	.0	4.4	10.4
NNW	.7	1.0	1.1	2.3	.4	.2	.0	.0	.0	.0	.0	5.8	10.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.9	.0
ALL	19.5	25.7	23.4	15.2	3.5	.6	.2	.0	.0	.0	.0	100.0	6.6

TOTAL NO. OF OBS : 1149

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : MAR
CLASS : ALL WEATHER HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.8	1.8	3.3	2.5	.7	.1	.0*	.0	.0	.0	.0	9.2	9.6
NNE	.4	1.2	1.7	1.1	.2	.1	.0*	.0	.0	.0	.0	4.8	8.9
NE	.4	1.4	1.7	1.0	.2	.0*	.0	.0	.0	.0	.0	4.7	8.4
ENE	.7	1.2	1.6	.8	.2	.0*	.0*	.0	.0	.0	.0	4.6	8.1
E	1.1	1.5	1.5	.6	.2	.0	.0	.0	.0	.0	.0	4.8	7.0
ESE	.8	1.3	1.4	.4	.1	.0*	.0	.0	.0	.0	.0	4.0	6.9
SE	.7	1.5	1.5	.6	.2	.0*	.0*	.0	.0	.0	.0	4.7	7.6
SSE	1.0	1.7	1.2	.4	.1	.1	.0*	.0	.0	.0	.0	4.6	6.8
S	1.3	2.0	2.0	1.0	.1	.0*	.0*	.0	.0	.0	.0	6.5	7.3
SSW	.5	1.7	2.3	1.6	.5	.1	.1	.0	.0	.0	.0	6.8	9.2
SW	1.1	1.8	2.2	1.8	.4	.2	.1	.0*	.0	.0	.0	7.5	9.1
WSW	.8	1.4	1.6	1.4	.4	.1	.1	.0	.0	.0	.0	5.8	9.3
W	.7	1.2	2.0	1.6	.4	.1	.0*	.0	.0	.0	.0	6.0	9.5
WNW	.3	.8	1.3	1.4	.6	.2	.0*	.0	.0	.0	.0	4.7	11.1
NW	.4	.8	1.3	2.1	.5	.1	.0*	.0	.0	.0	.0	5.3	11.0
NNW	.5	1.3	2.5	2.9	.6	.3	.0*	.0	.0	.0	.0	8.2	10.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	8.0	.0
ALL	11.7	22.6	29.0	21.3	5.5	1.5	.4	.0*	.0	.0	.0	100.0	8.2

TOTAL NO. OF OBS : 9549

NOTES :
* = PERCENT < .05

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.8	54.8	57.0	57.6	58.0	58.0	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
>=20000	8.9	57.3	59.7	60.2	60.7	60.7	61.1	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3
>=18000	8.9	57.3	59.7	60.2	60.7	60.7	61.1	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3
>=16000	8.9	57.3	59.7	60.2	60.7	60.7	61.1	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3
>=14000	9.3	57.9	60.3	60.9	61.3	61.3	61.7	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9
>=12000	9.6	58.9	61.3	61.9	62.3	62.3	62.7	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9
>=10000	9.9	61.9	64.3	65.0	65.5	65.5	65.9	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1
>= 9000	9.9	62.1	64.6	65.2	65.8	65.8	66.1	66.1	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4
>= 8000	10.3	65.7	68.3	69.1	69.7	69.7	70.1	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4
>= 7000	10.5	67.3	70.0	70.9	71.5	71.5	71.9	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2
>= 6000	10.6	67.5	70.2	71.1	71.7	71.7	72.2	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5
>= 5000	11.0	69.0	72.0	72.9	73.7	73.7	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
>= 4500	11.0	69.3	72.3	73.2	74.0	74.0	74.4	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7
>= 4000	11.1	71.0	74.2	75.2	76.0	76.0	76.5	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7
>= 3500	11.1	71.2	74.5	75.5	76.3	76.3	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0
>= 3000	11.1	72.7	76.5	77.5	78.5	78.5	79.0	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2
>= 2500	11.2	74.0	78.1	79.4	80.5	80.5	80.9	80.9	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3
>= 2000	11.2	75.5	80.4	82.2	83.6	83.6	84.0	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4
>= 1800	11.2	75.7	80.7	82.4	83.9	83.9	84.3	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7
>= 1500	11.2	76.6	81.8	83.9	85.4	85.5	85.9	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3
>= 1200	11.2	77.6	83.0	85.2	86.8	86.9	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7
>= 1000	11.2	78.4	83.8	86.2	87.8	87.9	88.4	88.4	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9
>= 900	11.3	78.5	83.9	86.4	88.0	88.1	88.6	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
>= 800	11.3	78.7	84.3	86.9	88.5	88.6	89.2	89.3	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8
>= 700	11.4	79.1	84.8	87.4	89.2	89.4	90.2	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
>= 600	11.4	79.5	85.2	87.9	89.8	90.0	91.0	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
>= 500	11.4	79.5	85.4	88.3	90.6	90.8	92.2	92.7	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2
>= 400	11.4	79.6	85.7	88.9	91.3	91.8	93.3	93.9	93.9	94.6	94.6	94.6	94.6	94.6	94.6	94.6
>= 300	11.4	79.9	85.9	89.2	92.1	92.7	94.2	94.9	94.9	95.7	95.8	95.8	95.8	95.8	95.8	95.8
>= 200	11.4	79.9	85.9	89.3	92.2	92.9	94.7	95.6	95.6	96.7	96.8	96.8	97.0	97.1	97.1	97.1
>= 100	11.4	79.9	85.9	89.3	92.2	92.9	94.7	95.7	95.7	97.0	97.1	97.1	97.5	97.7	98.0	98.4
>= 0	11.4	79.9	85.9	89.3	92.2	92.9	94.7	95.7	95.7	97.0	97.2	97.2	97.7	97.9	98.5	100.0

TOTAL NO. OF OBS : 1122

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.7	51.4	53.6	55.1	56.1	56.2	56.3	56.3	56.3	56.4	56.5	56.5	56.7	56.8	56.8	56.8
>=20000	7.7	54.7	57.2	58.7	60.0	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.5	60.6	60.6	60.6
>=18000	7.7	54.7	57.2	58.7	60.0	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.5	60.6	60.6	60.6
>=16000	7.7	54.8	57.3	58.8	60.1	60.2	60.2	60.2	60.2	60.3	60.4	60.4	60.6	60.7	60.7	60.7
>=14000	7.9	55.3	57.8	59.4	60.6	60.7	60.8	60.8	60.8	60.9	61.0	61.0	61.1	61.2	61.2	61.2
>=12000	8.0	55.9	58.5	60.0	61.2	61.3	61.4	61.4	61.4	61.5	61.6	61.6	61.8	61.9	61.9	61.9
>=10000	8.6	58.8	61.9	63.4	64.6	64.7	64.8	64.8	64.8	64.9	65.0	65.0	65.2	65.2	65.2	65.2
>= 9000	8.6	59.0	62.1	63.6	64.9	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.4	65.5	65.5	65.5
>= 8000	8.7	62.9	66.4	67.9	69.2	69.3	69.3	69.3	69.3	69.4	69.5	69.5	69.7	69.8	69.8	69.8
>= 7000	8.8	64.0	67.6	69.2	70.4	70.5	70.6	70.6	70.6	70.7	70.8	70.8	70.9	71.0	71.0	71.0
>= 6000	9.0	64.3	68.0	69.6	70.9	70.9	71.1	71.1	71.1	71.2	71.3	71.3	71.5	71.6	71.6	71.6
>= 5000	9.0	65.2	69.0	70.7	72.0	72.1	72.3	72.3	72.3	72.4	72.5	72.5	72.6	72.7	72.7	72.7
>= 4500	9.1	65.9	69.7	71.4	72.7	72.8	73.0	73.0	73.0	73.1	73.2	73.2	73.4	73.4	73.4	73.4
>= 4000	9.1	67.0	71.2	72.9	74.2	74.3	74.5	74.5	74.5	74.6	74.7	74.7	74.9	75.0	75.0	75.0
>= 3500	9.2	67.4	71.7	73.5	75.0	75.0	75.2	75.2	75.2	75.3	75.4	75.4	75.6	75.7	75.7	75.7
>= 3000	9.4	69.3	74.2	76.0	77.5	77.5	77.7	77.7	77.7	77.8	77.9	77.9	78.1	78.2	78.2	78.2
>= 2500	9.4	70.6	75.6	77.5	79.1	79.2	79.4	79.4	79.4	79.5	79.6	79.6	79.8	79.9	79.9	79.9
>= 2000	9.5	72.3	77.6	79.9	81.5	81.6	81.7	81.7	81.7	81.8	81.9	81.9	82.1	82.2	82.2	82.2
>= 1800	9.5	72.4	77.7	79.9	81.6	81.6	81.8	81.8	81.8	81.9	82.0	82.0	82.2	82.3	82.3	82.3
>= 1500	9.5	73.5	79.2	81.6	83.4	83.5	83.7	83.7	83.7	83.8	83.9	83.9	84.0	84.1	84.1	84.1
>= 1200	9.6	74.2	80.0	82.6	84.5	84.7	84.8	84.8	84.8	84.9	85.0	85.0	85.2	85.3	85.3	85.3
>= 1000	9.6	75.5	81.6	84.2	86.3	86.5	86.6	86.7	86.7	87.0	87.1	87.1	87.3	87.3	87.3	87.3
>= 900	9.6	75.8	82.1	84.7	87.0	87.2	87.4	87.6	87.6	87.9	88.0	88.0	88.1	88.2	88.2	88.2
>= 800	9.6	75.9	82.4	85.1	87.6	88.0	88.4	88.6	88.6	88.9	89.0	89.0	89.2	89.3	89.3	89.3
>= 700	9.6	76.2	82.8	85.7	88.3	88.8	89.2	89.4	89.4	89.8	89.9	89.9	90.1	90.2	90.2	90.2
>= 600	9.6	76.5	83.2	86.4	89.1	89.6	90.0	90.2	90.2	90.6	90.7	90.7	90.9	91.0	91.0	91.0
>= 500	9.6	76.7	83.8	87.4	90.5	91.0	91.7	91.9	91.9	92.3	92.5	92.5	92.7	92.8	92.8	92.8
>= 400	9.6	76.7	84.1	88.0	91.1	91.7	92.6	92.9	92.9	93.3	93.5	93.5	93.7	93.8	93.8	93.8
>= 300	9.6	76.8	84.3	88.2	91.7	92.4	93.7	94.1	94.2	94.9	95.1	95.1	95.3	95.4	95.4	95.5
>= 200	9.6	76.9	84.4	88.3	92.2	93.0	94.4	94.9	95.0	95.8	96.4	96.4	96.7	96.8	96.9	97.1
>= 100	9.6	76.9	84.4	88.3	92.2	93.0	94.5	95.1	95.2	96.1	96.8	96.8	97.2	97.3	97.6	98.1
>= 0	9.6	76.9	84.4	88.3	92.2	93.0	94.5	95.1	95.2	96.2	96.9	96.9	97.4	97.5	98.1	100.0

TOTAL NO. OF OBS : 1122

2 - CEILING VS VISIBILITY

13769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.6	40.3	44.2	46.1	47.5	47.5	48.2	48.7	48.7	49.3	49.5	49.5	49.5	49.5	49.6	49.6
>=20000	5.7	43.4	47.7	49.6	51.2	51.2	51.9	52.4	52.4	53.0	53.3	53.3	53.3	53.3	53.4	53.4
>=18000	5.7	43.5	47.8	49.7	51.3	51.3	52.0	52.5	52.5	53.1	53.4	53.4	53.4	53.4	53.4	53.4
>=16000	5.8	43.6	47.9	49.9	51.5	51.5	52.3	52.8	52.8	53.4	53.6	53.6	53.6	53.6	53.7	53.7
>=14000	5.9	43.9	48.4	50.5	52.2	52.2	52.9	53.4	53.4	54.0	54.3	54.3	54.3	54.3	54.3	54.3
>=12000	5.9	44.6	49.0	51.2	53.1	53.2	53.9	54.4	54.4	55.0	55.3	55.3	55.3	55.3	55.3	55.3
>=10000	6.4	48.5	53.8	56.0	58.1	58.2	58.9	59.4	59.4	60.0	60.2	60.2	60.2	60.2	60.4	60.4
>= 9000	6.5	48.9	54.2	56.5	58.6	58.7	59.5	60.0	60.0	60.6	60.8	60.8	60.8	60.8	61.0	61.0
>= 8000	6.9	52.9	58.5	61.0	63.2	63.5	64.2	64.7	64.7	65.3	65.5	65.5	65.5	65.5	65.7	65.7
>= 7000	7.0	54.3	60.4	62.9	65.2	65.5	66.2	66.8	66.8	67.4	67.6	67.6	67.6	67.6	67.8	67.8
>= 6000	7.0	55.5	61.6	64.3	66.7	67.0	67.8	68.4	68.4	69.1	69.3	69.3	69.3	69.3	69.5	69.5
>= 5000	7.2	56.8	63.0	65.9	68.6	69.0	69.8	70.4	70.4	71.2	71.4	71.4	71.4	71.4	71.6	71.6
>= 4500	7.3	57.2	63.4	66.3	69.1	69.5	70.3	70.9	70.9	71.7	71.9	71.9	71.9	71.9	72.1	72.1
>= 4000	7.4	58.2	64.6	67.8	70.8	71.3	72.1	72.7	72.7	73.4	73.7	73.7	73.7	73.7	73.8	73.8
>= 3500	7.5	58.7	65.3	68.5	71.7	72.1	72.9	73.5	73.5	74.2	74.5	74.5	74.5	74.5	74.6	74.6
>= 3000	7.6	59.7	66.5	70.0	73.2	73.7	74.6	75.2	75.2	76.1	76.3	76.3	76.3	76.3	76.5	76.5
>= 2500	7.6	60.9	67.7	71.3	74.7	75.2	76.2	77.0	77.0	77.9	78.1	78.1	78.1	78.1	78.3	78.3
>= 2000	7.6	61.9	69.0	73.0	76.6	77.1	78.4	79.4	79.4	80.4	80.6	80.6	80.6	80.6	80.8	80.8
>= 1800	7.6	62.0	69.2	73.2	76.7	77.2	78.5	79.5	79.5	80.5	80.8	80.8	80.8	80.8	80.9	80.9
>= 1500	7.7	63.0	70.4	74.4	78.3	78.8	80.1	81.1	81.1	82.1	82.4	82.4	82.4	82.4	82.6	82.6
>= 1200	7.7	64.0	71.8	76.1	80.3	80.8	82.3	83.3	83.3	84.3	84.6	84.6	84.6	84.6	84.8	84.8
>= 1000	7.7	64.7	72.7	77.0	81.4	81.9	83.5	84.5	84.5	85.5	86.1	86.1	86.1	86.1	86.2	86.2
>= 900	7.7	65.0	73.2	77.5	81.9	82.4	84.1	85.1	85.1	86.1	86.7	86.7	86.7	86.7	86.8	86.8
>= 800	7.7	65.4	73.7	78.1	82.6	83.3	85.2	86.2	86.2	87.2	87.9	87.9	87.9	87.9	88.1	88.1
>= 700	7.7	65.7	74.1	78.6	83.3	84.2	86.2	87.4	87.4	88.6	89.3	89.3	89.3	89.3	89.5	89.5
>= 600	7.7	66.0	74.5	79.1	84.2	85.2	87.5	88.9	88.9	90.3	91.0	91.0	91.0	91.0	91.1	91.1
>= 500	7.7	66.2	74.6	79.8	84.9	86.1	88.6	90.1	90.1	91.7	92.5	92.5	92.5	92.5	92.7	92.7
>= 400	7.7	66.3	74.8	80.0	85.4	86.7	89.6	91.2	91.2	93.0	93.7	93.8	93.9	93.9	94.0	94.0
>= 300	7.7	66.3	74.9	80.1	85.7	87.1	90.1	92.0	92.0	94.4	95.3	95.4	95.4	95.5	95.7	95.7
>= 200	7.7	66.3	75.0	80.2	85.7	87.2	90.5	92.5	92.6	95.2	96.7	96.9	97.3	97.4	97.8	97.9
>= 100	7.7	66.3	75.0	80.2	85.7	87.2	90.5	92.5	92.6	95.2	96.9	97.1	97.6	97.9	98.4	98.8
>= 0	7.7	66.3	75.0	80.2	85.7	87.2	90.5	92.5	92.6	95.2	96.9	97.1	97.7	98.0	98.7	100.0

TOTAL NO. OF OBS : 1207

2 - CEILING VS VISIBILITY

D13769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	9.8	46.8	48.8	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
>=20000	9.9	51.3	53.7	54.6	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
>=18000	9.9	51.6	54.0	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
>=16000	9.9	51.8	54.2	55.1	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
>=14000	10.0	52.3	54.8	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
>=12000	10.3	53.3	56.2	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
>=10000	10.6	56.6	59.9	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
>= 9000	10.6	57.1	60.6	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
>= 8000	10.7	60.8	65.0	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
>= 7000	10.7	61.8	66.3	67.9	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
>= 6000	10.8	62.5	66.9	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
>= 5000	11.0	63.9	68.4	70.2	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
>= 4500	11.0	64.2	68.8	70.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
>= 4000	11.1	65.6	70.3	72.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
>= 3500	11.1	66.3	71.1	73.1	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
>= 3000	11.1	67.7	73.0	75.1	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
>= 2500	11.2	69.6	75.0	77.2	78.8	78.9	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
>= 2000	11.4	70.8	76.7	79.1	81.0	81.2	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
>= 1800	11.5	71.2	77.2	79.6	81.5	81.7	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
>= 1500	11.5	72.4	78.6	81.4	83.5	83.8	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
>= 1200	11.5	73.4	79.7	82.6	84.8	85.1	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
>= 1000	11.5	73.9	80.3	83.6	86.0	86.4	86.8	87.1	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4
>= 900	11.5	74.1	80.5	83.9	86.4	86.8	87.4	87.6	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0
>= 800	11.6	74.4	81.1	84.7	87.5	88.0	89.0	89.4	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7
>= 700	11.6	74.7	81.5	85.2	88.4	89.0	90.1	90.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8
>= 600	11.6	74.9	81.6	85.7	89.4	90.3	91.5	92.0	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5
>= 500	11.6	75.0	81.9	86.2	90.3	91.3	92.7	93.3	93.3	93.8	94.1	94.1	94.1	94.1	94.1	94.1
>= 400	11.6	75.0	81.9	86.2	90.5	91.6	93.2	94.1	94.2	95.0	95.2	95.2	95.3	95.3	95.3	95.3
>= 300	11.6	75.1	82.0	86.3	90.8	91.8	93.7	94.9	95.2	96.5	96.9	96.9	97.3	97.3	97.3	97.3
>= 200	11.6	75.1	82.0	86.3	90.8	91.9	93.8	95.3	95.7	97.1	97.4	97.7	98.7	98.7	98.8	98.9
>= 100	11.6	75.1	82.0	86.3	90.8	91.9	93.8	95.3	95.7	97.2	97.5	97.8	98.8	98.9	99.1	99.5
>= 0	11.6	75.1	82.0	86.3	90.8	91.9	93.8	95.3	95.7	97.2	97.5	97.8	98.8	98.9	99.1	100.0

TOTAL NO. OF OBS : 1213

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	10.2	46.5	48.0	48.4	48.5	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6
>=20000	10.6	52.9	54.7	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
>=18000	10.6	53.4	55.2	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
>=16000	10.7	53.8	55.5	56.0	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
>=14000	10.8	54.2	55.9	56.4	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
>=12000	11.0	55.6	57.4	58.0	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3
>=10000	11.2	58.1	60.2	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
>= 9000	11.2	58.8	60.8	61.5	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9
>= 8000	11.4	62.8	65.2	66.1	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
>= 7000	11.5	64.1	66.6	67.4	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9
>= 6000	11.5	64.6	67.1	68.0	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
>= 5000	11.7	66.1	68.6	69.8	70.3	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
>= 4500	11.8	66.4	69.0	70.2	70.8	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
>= 4000	12.0	68.0	71.0	72.3	72.9	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
>= 3500	12.2	69.2	72.2	73.5	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
>= 3000	12.4	72.7	75.9	77.5	78.3	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
>= 2500	12.6	75.1	78.7	80.4	81.3	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
>= 2000	13.0	77.1	81.1	83.1	84.2	84.7	84.7	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0
>= 1800	13.0	77.2	81.2	83.2	84.5	85.0	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
>= 1500	13.2	78.2	82.7	85.0	86.3	86.8	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
>= 1200	13.2	78.8	83.7	85.9	87.8	88.3	88.5	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7
>= 1000	13.2	79.0	84.4	86.8	89.0	89.5	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
>= 900	13.2	79.3	84.9	87.3	89.7	90.4	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
>= 800	13.2	79.5	85.2	87.8	90.3	91.0	91.5	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
>= 700	13.2	79.5	85.2	88.0	90.7	91.5	92.0	92.4	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7
>= 600	13.2	79.8	85.7	88.6	91.4	92.3	93.1	93.9	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3
>= 500	13.3	79.9	85.9	89.0	91.9	92.9	94.2	95.0	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5
>= 400	13.3	79.9	86.0	89.0	92.1	93.1	94.7	95.9	96.2	96.7	96.8	96.8	96.8	96.8	96.9	96.9
>= 300	13.3	79.9	86.1	89.1	92.3	93.3	94.9	96.7	97.0	97.8	98.0	98.1	98.5	98.5	98.7	98.7
>= 200	13.3	79.9	86.1	89.1	92.3	93.3	94.9	96.7	97.0	98.1	98.5	98.6	99.3	99.4	99.7	99.7
>= 100	13.3	79.9	86.1	89.1	92.3	93.3	94.9	96.7	97.0	98.1	98.5	98.6	99.3	99.4	99.7	99.8
>= 0	13.3	79.9	86.1	89.1	92.3	93.3	94.9	96.7	97.0	98.1	98.5	98.6	99.3	99.4	99.8	100.0

TOTAL NO. OF OBS : 1205

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	10.1	46.0	47.1	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
>=20000	10.4	51.6	53.1	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
>=18000	10.4	52.0	53.6	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
>=16000	10.4	52.3	53.9	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
>=14000	10.5	52.9	54.4	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
>=12000	10.6	54.1	55.8	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
>=10000	11.1	57.3	59.4	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
>= 9000	11.1	57.9	60.1	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
>= 8000	11.1	61.0	63.5	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
>= 7000	11.1	62.0	64.8	65.3	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
>= 6000	11.3	62.9	65.8	66.3	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
>= 5000	11.6	64.3	67.2	67.9	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
>= 4500	11.6	65.2	68.2	68.9	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
>= 4000	12.1	68.8	72.2	73.1	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
>= 3500	12.4	71.2	74.7	75.6	76.3	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
>= 3000	12.6	74.4	78.5	79.6	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
>= 2500	12.7	76.2	80.3	81.9	82.9	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
>= 2000	12.7	77.8	82.0	83.8	85.2	85.4	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
>= 1800	12.7	78.1	82.2	84.0	85.5	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
>= 1500	12.7	78.5	83.0	85.0	86.7	87.0	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
>= 1200	12.7	78.8	83.5	85.5	87.6	87.9	88.9	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
>= 1000	12.7	79.0	83.9	86.0	88.4	88.9	90.3	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
>= 900	12.7	79.1	84.0	86.1	88.6	89.4	90.8	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
>= 800	12.7	79.1	84.2	86.5	88.9	89.8	91.4	91.8	91.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2
>= 700	12.7	79.2	84.4	86.8	89.4	90.4	92.2	92.6	92.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1
>= 600	12.7	79.3	84.6	87.2	90.0	91.2	93.3	93.9	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.4
>= 500	12.7	79.4	84.7	87.4	90.4	91.7	93.9	94.7	94.7	95.1	95.3	95.3	95.5	95.5	95.5	95.5
>= 400	12.7	79.5	84.8	87.4	90.8	92.1	94.7	95.8	96.0	96.5	96.8	96.8	97.1	97.1	97.1	97.1
>= 300	12.7	79.5	84.8	87.6	91.0	92.4	95.0	96.5	96.8	97.7	98.0	98.0	98.3	98.3	98.3	98.3
>= 200	12.7	79.5	84.8	87.6	91.0	92.4	95.2	96.8	97.1	98.0	98.4	98.4	99.1	99.1	99.2	99.2
>= 100	12.7	79.5	84.8	87.6	91.0	92.4	95.2	96.8	97.1	98.1	98.5	98.6	99.4	99.4	99.6	100.0
>= 0	12.7	79.5	84.8	87.6	91.0	92.4	95.2	96.8	97.1	98.1	98.5	98.6	99.4	99.4	99.6	100.0

TOTAL NO. OF OBS : 1203

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.0	50.0	51.5	52.8	53.1	53.2	53.5	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
>=20000	8.1	54.9	56.7	58.1	58.6	58.8	59.1	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
>=18000	8.1	55.0	56.8	58.3	58.8	59.0	59.2	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5
>=16000	8.1	55.1	56.9	58.3	58.9	59.1	59.3	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6
>=14000	8.3	55.7	57.5	59.0	59.5	59.7	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2
>=12000	8.4	57.0	58.8	60.2	60.8	61.0	61.2	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5
>=10000	8.7	59.7	61.8	63.3	63.8	64.0	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5
>= 9000	8.7	60.0	62.1	63.6	64.2	64.4	64.6	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9
>= 8000	8.9	63.9	66.2	67.8	68.4	68.6	68.9	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1
>= 7000	9.1	65.4	67.8	69.3	69.9	70.1	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6
>= 6000	9.1	66.0	68.5	70.0	70.6	70.8	71.1	71.2	71.2	71.4	71.4	71.4	71.5	71.5	71.5	71.5
>= 5000	9.3	67.4	69.9	71.5	72.1	72.3	72.6	72.7	72.7	72.9	72.9	72.9	73.0	73.0	73.0	73.0
>= 4500	9.4	68.1	70.6	72.4	73.0	73.2	73.5	73.6	73.6	73.8	73.8	73.8	73.9	73.9	73.9	73.9
>= 4000	9.7	70.6	73.2	75.2	75.9	76.1	76.5	76.7	76.7	76.8	76.8	76.8	76.9	76.9	76.9	76.9
>= 3500	9.9	71.5	74.5	76.6	77.3	77.5	77.9	78.1	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.4
>= 3000	10.1	74.1	77.6	80.0	80.7	80.9	81.3	81.5	81.5	81.7	81.7	81.8	81.8	81.8	81.8	81.8
>= 2500	10.1	75.3	79.0	81.6	82.5	82.8	83.3	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8
>= 2000	10.1	76.2	80.2	83.3	84.2	84.5	85.3	85.5	85.5	85.7	85.7	85.7	85.8	85.8	85.8	85.8
>= 1800	10.1	76.4	80.3	83.5	84.4	84.6	85.5	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
>= 1500	10.1	76.8	80.9	84.6	85.7	86.0	86.9	87.2	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.5
>= 1200	10.1	77.2	81.5	85.6	86.8	87.1	88.1	88.3	88.3	88.6	88.6	88.6	88.7	88.7	88.7	88.7
>= 1000	10.1	77.4	82.0	86.3	87.5	88.0	89.0	89.3	89.3	89.6	89.6	89.6	89.7	89.7	89.7	89.7
>= 900	10.1	77.6	82.3	86.7	88.2	88.6	89.9	90.1	90.1	90.4	90.4	90.4	90.5	90.5	90.5	90.5
>= 800	10.2	77.8	82.7	87.2	88.6	89.0	90.4	90.7	90.7	91.0	91.0	91.0	91.1	91.1	91.1	91.1
>= 700	10.2	77.9	82.8	87.3	88.8	89.2	90.7	91.0	91.0	91.4	91.4	91.4	91.5	91.5	91.5	91.5
>= 600	10.2	77.9	82.9	87.6	89.2	89.7	91.2	91.8	91.8	92.2	92.2	92.2	92.3	92.3	92.3	92.3
>= 500	10.2	77.9	83.0	88.0	89.9	90.4	92.4	93.0	93.0	93.4	93.5	93.5	93.6	93.6	93.6	93.6
>= 400	10.2	77.9	83.0	88.3	90.4	91.0	93.4	94.3	94.3	94.8	95.0	95.0	95.1	95.1	95.1	95.1
>= 300	10.2	77.9	83.1	88.5	90.7	91.5	94.0	95.2	95.2	96.0	96.2	96.3	96.4	96.4	96.4	96.4
>= 200	10.2	77.9	83.2	88.6	90.8	91.6	94.2	95.6	95.7	96.9	97.5	97.6	97.8	97.8	97.9	97.9
>= 100	10.2	77.9	83.2	88.6	90.8	91.6	94.2	95.7	95.8	97.4	97.9	98.0	98.5	98.6	98.9	99.3
>= 0	10.2	77.9	83.2	88.6	90.8	91.6	94.2	95.7	95.8	97.4	97.9	98.0	98.5	98.6	98.9	100.0

TOTAL NO. OF OBS : 1114

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	9.0	55.0	57.4	58.0	58.5	58.5	58.7	58.7	58.7	58.8	58.8	58.8	58.9	58.9	59.0	59.0
>=20000	9.0	57.6	60.4	61.1	61.6	61.6	61.8	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.1	62.1
>=18000	9.0	57.7	60.5	61.2	61.7	61.7	61.8	61.8	61.8	62.0	62.0	62.0	62.1	62.1	62.2	62.2
>=16000	9.1	57.8	60.6	61.3	61.8	61.8	61.9	61.9	61.9	62.1	62.1	62.1	62.2	62.2	62.3	62.3
>=14000	9.2	58.3	61.1	61.8	62.3	62.3	62.5	62.5	62.5	62.6	62.6	62.6	62.7	62.7	62.8	62.8
>=12000	9.5	59.4	62.4	63.1	63.5	63.5	63.7	63.7	63.7	63.9	63.9	63.9	64.0	64.0	64.1	64.1
>=10000	9.7	61.8	65.0	65.8	66.3	66.3	66.5	66.5	66.5	66.6	66.6	66.6	66.7	66.7	66.8	66.8
>= 9000	9.7	62.1	65.4	66.2	66.6	66.6	66.8	66.8	66.8	67.0	67.0	67.0	67.1	67.1	67.2	67.2
>= 8000	10.0	65.7	69.3	70.2	70.6	70.6	70.8	70.8	70.8	71.0	71.0	71.0	71.1	71.1	71.2	71.2
>= 7000	10.1	66.8	70.5	71.4	72.0	72.0	72.1	72.1	72.1	72.3	72.3	72.3	72.4	72.4	72.5	72.5
>= 6000	10.1	67.4	71.7	72.6	73.1	73.1	73.3	73.3	73.3	73.5	73.5	73.5	73.6	73.6	73.6	73.6
>= 5000	10.3	68.9	73.3	74.3	74.8	74.8	75.0	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.3	75.3
>= 4500	10.3	69.2	73.8	74.8	75.4	75.4	75.6	75.6	75.6	75.8	75.8	75.8	75.9	75.9	76.0	76.0
>= 4000	10.4	71.3	76.0	77.0	77.6	77.6	78.0	78.0	78.0	78.2	78.2	78.2	78.3	78.3	78.3	78.3
>= 3500	10.5	71.8	76.6	77.6	78.3	78.3	78.7	78.7	78.7	78.9	78.9	78.9	79.0	79.0	79.1	79.1
>= 3000	10.7	73.6	78.7	80.0	80.7	80.8	81.2	81.2	81.2	81.4	81.5	81.5	81.5	81.5	81.6	81.6
>= 2500	10.7	74.4	79.7	81.1	82.0	82.1	82.5	82.5	82.5	82.7	82.8	82.8	82.9	82.9	83.0	83.0
>= 2000	10.8	76.1	81.6	83.3	84.6	84.6	85.1	85.1	85.1	85.3	85.4	85.4	85.4	85.4	85.5	85.5
>= 1800	10.8	76.5	82.0	83.7	84.9	85.0	85.4	85.4	85.4	85.6	85.7	85.7	85.8	85.8	85.9	85.9
>= 1500	10.8	76.9	82.6	84.6	86.0	86.1	86.6	86.7	86.7	86.9	87.0	87.0	87.0	87.0	87.1	87.1
>= 1200	10.8	77.4	83.3	85.6	87.6	87.7	88.2	88.3	88.3	88.5	88.6	88.6	88.6	88.6	88.7	88.7
>= 1000	10.8	77.6	83.7	86.2	88.2	88.3	88.8	88.9	88.9	89.1	89.2	89.2	89.3	89.3	89.4	89.4
>= 900	10.8	77.6	83.9	86.6	88.7	88.9	89.4	89.6	89.6	89.8	89.9	89.9	90.0	90.0	90.1	90.1
>= 800	10.8	77.9	84.3	87.0	89.2	89.4	89.9	90.1	90.1	90.2	90.3	90.3	90.4	90.4	90.5	90.5
>= 700	10.8	78.2	84.7	87.5	89.7	90.0	90.5	90.7	90.7	90.9	90.9	90.9	91.0	91.0	91.1	91.1
>= 600	10.8	78.3	85.2	88.0	90.8	91.1	91.7	92.0	92.0	92.3	92.4	92.4	92.5	92.5	92.5	92.5
>= 500	10.8	78.5	85.4	88.4	91.2	91.6	92.5	92.9	92.9	93.3	93.5	93.5	93.7	93.7	93.8	93.8
>= 400	10.8	78.9	85.7	89.2	92.3	92.8	93.9	94.6	94.6	95.0	95.2	95.2	95.5	95.5	95.6	95.6
>= 300	10.8	79.0	85.8	89.4	92.6	93.3	94.4	95.2	95.2	95.8	96.1	96.1	96.4	96.4	96.5	96.5
>= 200	10.8	79.1	85.9	89.4	92.7	93.3	94.6	95.9	95.9	96.7	97.0	97.0	97.3	97.3	97.4	97.4
>= 100	10.8	79.1	85.9	89.4	92.7	93.3	94.7	96.1	96.1	96.9	97.5	97.5	98.3	98.5	98.8	99.1
>= 0	10.8	79.1	85.9	89.4	92.7	93.3	94.7	96.2	96.2	97.0	97.6	97.6	98.7	98.8	99.2	100.0

TOTAL NO. OF OBS : 1127

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.7	48.7	50.8	51.7	52.3	52.3	52.5	52.6	52.6	52.7	52.7	52.7	52.8	52.8	52.8	52.8
>=20000	8.8	52.9	55.3	56.3	56.9	56.9	57.1	57.2	57.2	57.4	57.4	57.4	57.4	57.5	57.5	57.5
>=18000	8.8	53.1	55.5	56.5	57.1	57.1	57.3	57.4	57.4	57.6	57.6	57.6	57.7	57.7	57.7	57.7
>=16000	8.8	53.2	55.6	56.6	57.3	57.3	57.5	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.9	57.9
>=14000	9.0	53.7	56.2	57.2	57.9	57.9	58.1	58.2	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4
>=12000	9.2	54.8	57.3	58.4	59.0	59.1	59.3	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6
>=10000	9.5	57.7	60.7	61.8	62.5	62.6	62.8	62.9	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1
>= 9000	9.5	58.1	61.2	62.3	63.0	63.1	63.3	63.4	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6
>= 8000	9.8	61.9	65.2	66.5	67.3	67.4	67.6	67.7	67.7	67.9	67.9	67.9	67.9	67.9	68.0	68.0
>= 7000	9.8	63.1	66.7	67.9	68.8	68.9	69.1	69.2	69.2	69.3	69.4	69.4	69.4	69.4	69.5	69.5
>= 6000	9.9	63.7	67.4	68.7	69.6	69.7	69.9	70.0	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3
>= 5000	10.1	65.1	68.9	70.3	71.3	71.4	71.7	71.8	71.8	72.0	72.0	72.0	72.0	72.1	72.1	72.1
>= 4500	10.2	65.6	69.4	70.9	71.9	72.0	72.3	72.4	72.4	72.6	72.6	72.6	72.7	72.7	72.7	72.7
>= 4000	10.4	67.5	71.5	73.2	74.3	74.4	74.7	74.8	74.8	75.0	75.0	75.0	75.1	75.1	75.1	75.1
>= 3500	10.5	68.3	72.5	74.2	75.4	75.5	75.8	75.9	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2
>= 3000	10.7	70.5	75.0	76.9	78.2	78.3	78.7	78.8	78.8	79.0	79.0	79.0	79.1	79.1	79.1	79.1
>= 2500	10.7	72.0	76.7	78.8	80.2	80.4	80.8	80.9	80.9	81.2	81.2	81.2	81.3	81.3	81.3	81.3
>= 2000	10.8	73.4	78.5	80.9	82.6	82.8	83.3	83.5	83.5	83.7	83.8	83.8	83.8	83.8	83.9	83.9
>= 1800	10.8	73.6	78.8	81.2	82.8	83.1	83.5	83.7	83.7	84.0	84.0	84.0	84.1	84.1	84.1	84.1
>= 1500	10.9	74.4	79.9	82.5	84.4	84.7	85.2	85.4	85.4	85.7	85.8	85.8	85.8	85.8	85.9	85.9
>= 1200	10.9	75.1	80.8	83.6	85.8	86.0	86.7	86.9	86.9	87.2	87.3	87.3	87.3	87.3	87.3	87.3
>= 1000	10.9	75.6	81.5	84.5	86.8	87.1	87.9	88.2	88.2	88.5	88.6	88.6	88.7	88.7	88.7	88.7
>= 900	10.9	75.8	81.8	84.8	87.3	87.7	88.5	88.8	88.8	89.2	89.3	89.3	89.3	89.3	89.3	89.3
>= 800	10.9	76.0	82.2	85.4	87.9	88.4	89.4	89.7	89.7	90.1	90.3	90.3	90.3	90.3	90.3	90.3
>= 700	10.9	76.3	82.5	85.8	88.5	89.0	90.1	90.5	90.5	91.0	91.1	91.1	91.2	91.2	91.2	91.2
>= 600	10.9	76.5	82.8	86.3	89.2	89.9	91.2	91.8	91.8	92.2	92.4	92.4	92.5	92.5	92.5	92.5
>= 500	10.9	76.6	83.0	86.7	89.9	90.7	92.3	93.0	93.0	93.6	93.8	93.8	93.9	93.9	93.9	93.9
>= 400	10.9	76.7	83.2	87.1	90.5	91.3	93.1	94.1	94.2	94.9	95.1	95.1	95.3	95.3	95.3	95.3
>= 300	10.9	76.7	83.3	87.3	90.8	91.8	93.7	94.9	95.1	96.1	96.4	96.5	96.7	96.7	96.8	96.8
>= 200	10.9	76.8	83.4	87.3	90.9	91.9	94.0	95.4	95.6	96.8	97.4	97.4	97.9	98.0	98.1	98.2
>= 100	10.9	76.8	83.4	87.3	90.9	91.9	94.0	95.5	95.7	97.0	97.6	97.7	98.4	98.5	98.8	99.1
>= 0	10.9	76.8	83.4	87.3	90.9	91.9	94.0	95.5	95.7	97.0	97.6	97.7	98.5	98.6	99.0	100.0

TOTAL NO. OF OBS : 9313

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : APR
CLASS : ALL WEATHER HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.6	1.4	1.6	1.5	.4	.1	.0	.0	.0	.0	.0	5.6	9.3
NNE	.5	1.0	1.4	.9	.3	.0	.1	.0	.0	.0	.0	4.1	9.1
NE	.6	1.4	.8	.4	.3	.0	.0	.0	.0	.0	.0	3.4	7.3
ENE	.6	.8	.7	.2	.1	.0	.0	.0	.0	.0	.0	2.4	6.3
E	1.5	1.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	3.5	5.1
ESE	1.1	1.0	.5	.3	.1	.0	.0	.0	.0	.0	.0	2.9	5.7
SE	.9	1.5	.8	.2	.0	.0	.0	.0	.0	.0	.0	3.4	5.3
SSE	1.4	1.9	.9	.4	.0	.0	.0	.0	.0	.0	.0	4.5	5.6
S	2.3	3.4	1.7	.9	.0	.0	.0	.0	.0	.0	.0	8.3	6.0
SSW	1.1	4.2	4.1	1.9	.1	.1	.0	.0	.0	.0	.0	11.5	7.5
SW	3.8	3.1	3.7	2.0	.3	.1	.0	.0	.0	.0	.0	12.9	6.8
WSW	2.1	1.4	2.0	.7	.0	.0	.0	.0	.0	.0	.0	6.1	5.9
W	.8	1.7	1.4	.5	.0	.0	.0	.0	.0	.0	.0	4.5	6.7
WNW	.1	1.0	.6	.5	.1	.0	.1	.0	.0	.0	.0	2.4	8.7
NW	.9	.4	1.2	.6	.2	.1	.0	.0	.0	.0	.0	3.3	8.3
NNW	.4	1.0	2.0	2.1	.4	.2	.0	.0	.0	.0	.0	5.9	10.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.0	.0
ALL	18.6	26.0	23.9	13.6	2.1	.5	.2	.0	.0	.0	.0	100.0	6.1

TOTAL NO. OF OBS : 1110

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : APR
CLASS : ALL WEATHER HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.5	1.2	2.3	1.7	.4	.1	.0	.0	.0	.0	.0	7.3	8.6
NNE	.4	.8	.9	1.0	.4	.0	.1	.0	.0	.0	.0	3.7	9.6
NE	.4	1.1	1.0	.5	.0	.0	.0	.0	.0	.0	.0	3.1	7.2
ENE	.6	.9	.7	.5	.1	.0	.0	.0	.0	.0	.0	2.9	7.5
E	.9	1.3	.9	.4	.0	.0	.0	.0	.0	.0	.0	3.5	6.0
ESE	.8	.7	.7	.1	.1	.0	.0	.0	.0	.0	.0	2.4	6.0
SE	1.2	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	2.4	4.3
SSE	1.4	1.0	.6	.1	.1	.0	.0	.0	.0	.0	.0	3.4	5.2
S	1.7	1.8	1.7	.4	.3	.0	.0	.0	.0	.0	.0	5.8	6.2
SSW	.6	3.0	3.4	1.7	.3	.0	.0	.0	.0	.0	.0	9.0	8.1
SW	4.4	4.1	3.3	1.5	.1	.0	.0	.0	.0	.0	.0	13.5	6.0
WSW	2.3	2.5	2.6	.8	.0	.0	.0	.0	.0	.0	.0	8.3	5.8
W	1.5	1.8	1.6	.6	.0	.0	.0	.0	.0	.0	.0	5.6	6.0
WNW	.5	1.1	1.0	.4	.0	.0	.0	.0	.0	.0	.0	3.1	6.8
NW	.4	.9	1.0	1.0	.2	.0	.1	.0	.0	.0	.0	3.6	9.3
NNW	.4	.9	1.7	.9	.4	.1	.0	.0	.0	.0	.0	4.5	9.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.0	.0
ALL	19.4	23.8	24.2	11.8	2.4	.2	.2	.0	.0	.0	.0	100.0	5.7

TOTAL NO. OF OBS : 1112

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA
PERIOD OF RECORD : 1945-1987
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : APR
HOUR : 0700 LST

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.7	1.4	2.6	1.4	.6	.1	.0	.0	.0	.0	.0	6.8	9.0
NNE	.2	1.0	2.1	1.2	.6	.2	.0	.0	.0	.0	.0	5.2	10.4
NE	.7	.9	2.2	1.3	.2	.0	.0	.0	.0	.0	.0	5.4	8.6
ENE	.6	.7	1.2	.6	.2	.1	.0	.0	.0	.0	.0	3.3	8.1
E	.5	1.4	1.0	.7	.0	.0	.0	.0	.0	.0	.0	3.6	7.1
ESE	.7	.8	.4	.6	.0	.0	.0	.0	.0	.0	.0	2.5	6.7
SE	.6	1.1	.7	.3	.0	.0	.0	.0	.0	.0	.0	2.7	6.3
SSE	1.0	1.3	.7	.4	.0	.0	.0	.0	.0	.0	.0	3.4	5.7
S	1.0	2.1	.8	1.4	.0	.0	.0	.0	.0	.0	.0	5.3	7.2
SSW	.6	1.9	3.3	1.7	.1	.0	.0	.0	.0	.0	.0	7.6	8.5
SW	2.1	3.5	4.6	2.3	.4	.2	.0	.0	.0	.0	.0	13.1	7.9
WSW	1.7	3.2	3.2	1.4	.2	.0	.0	.0	.0	.0	.0	9.7	7.0
W	1.2	2.0	2.0	1.0	.1	.0	.0	.0	.0	.0	.0	6.3	7.0
WNW	1.0	1.0	1.1	.3	.0	.0	.0	.0	.0	.0	.0	3.4	6.3
NW	.4	.8	1.1	1.1	.2	.0	.0	.0	.0	.0	.0	3.7	9.6
NNW	.7	1.0	2.4	2.5	.5	.2	.1	.0	.0	.0	.0	7.3	10.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.6	.0
ALL	13.7	24.2	29.3	18.3	3.1	.7	.1	.0	.0	.0	.0	100.0	7.2

TOTAL NO. OF OBS : 1200

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : APR
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.6	1.3	2.6	2.5	.6	.0	.0	.0	.0	.0	.0	7.6	9.8
NNE	.2	.8	1.4	2.4	.1	.2	.0	.0	.0	.0	.0	5.2	10.7
NE	.4	1.5	2.5	1.1	.3	.2	.1	.0	.0	.0	.0	6.2	9.5
ENE	.2	1.2	1.4	.9	.2	.1	.0	.0	.0	.0	.0	4.1	9.1
E	.9	2.2	2.4	.8	.1	.0	.0	.0	.0	.0	.0	6.4	7.2
ESE	.3	.8	1.6	.6	.0	.0	.0	.0	.0	.0	.0	3.3	7.7
SE	.1	1.0	1.3	1.0	.0	.0	.0	.0	.0	.0	.0	3.4	9.0
SSE	.3	.5	1.7	.6	.1	.1	.0	.0	.0	.0	.0	3.3	8.9
S	.6	1.2	1.2	1.3	.3	.0	.0	.0	.0	.0	.0	4.7	8.8
SSW	.2	1.2	2.5	1.7	.8	.2	.2	.0	.0	.0	.0	6.7	10.9
SW	.3	1.6	2.7	4.2	1.3	.2	.1	.0	.0	.0	.0	10.3	11.3
WSW	.7	1.1	3.7	2.3	.7	.1	.0	.0	.0	.0	.0	8.6	9.8
W	.5	1.5	3.5	2.1	.1	.1	.0	.0	.0	.0	.0	7.7	9.1
WNW	.3	.7	1.7	1.8	.2	.1	.0	.0	.0	.0	.0	4.8	10.4
NW	.2	.7	2.2	2.4	.6	.0	.0	.0	.0	.0	.0	6.0	10.9
NNW	.5	1.6	3.7	2.9	1.1	.4	.0	.1	.0	.0	.0	10.2	11.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0
ALL	6.5	18.8	36.1	28.7	6.6	1.6	.3	.1	.0	.0	.0	100.0	9.7

TOTAL NO. OF OBS : 1200

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

U13769 : OCEANA, VA
PERIOD OF RECORD : 1945-1987
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : APR
HOUR : 1300 LST

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.5	1.9	3.7	2.6	.3	.0	.0	.0	.0	.0	.0	9.0	9.2
NNE	.3	.6	1.0	1.2	.7	.0	.0	.0	.0	.0	.0	3.8	10.6
NE	.2	1.3	2.4	1.7	.2	.1	.1	.0	.0	.0	.0	6.2	9.8
ENE	.3	2.3	3.2	1.1	.1	.0	.1	.0	.0	.0	.0	7.2	8.3
E	.4	2.2	4.1	.8	.1	.0	.0	.0	.0	.0	.0	7.7	7.7
ESE	.2	1.3	3.7	1.2	.3	.0	.0	.0	.0	.0	.0	6.8	9.1
SE	.2	.9	2.5	1.6	.4	.2	.0	.0	.0	.0	.0	5.7	10.3
SSE	.3	.5	1.2	.7	.3	.1	.0	.0	.0	.0	.0	3.1	9.9
S	.2	.2	1.9	1.1	.5	.1	.1	.0	.0	.0	.0	4.2	11.3
SSW	.0	.7	2.7	2.2	.9	.3	.0	.0	.0	.0	.0	6.8	11.7
SW	.2	.5	2.1	3.2	1.2	.6	.0	.0	.0	.0	.0	7.8	12.8
WSW	.3	.4	1.6	1.7	1.1	.2	.0	.0	.0	.0	.0	5.4	12.5
W	.2	1.2	3.2	2.2	.7	.1	.0	.0	.0	.0	.0	7.7	10.1
WNW	.1	1.2	1.6	1.9	.2	.2	.0	.0	.0	.0	.0	5.2	10.6
NW	.2	.6	1.4	1.4	.1	.2	.0	.0	.0	.0	.0	3.8	10.4
NNW	.4	1.8	3.6	2.4	.6	.2	.0	.0	.0	.0	.0	9.1	10.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0
ALL	4.2	17.8	39.9	27.1	7.7	2.3	.2	.0	.0	.0	.0	100.0	10.1

TOTAL NO. OF OBS : 1201

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : APR
CLASS : ALL WEATHER HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.2	1.8	2.6	1.3	.3	.2	.0	.0	.0	.0	.0	6.4	9.0
NNE	.3	.9	2.4	1.4	.3	.3	.0	.0	.0	.0	.0	5.6	10.2
NE	.4	1.0	2.0	1.0	.3	.1	.1	.0	.0	.0	.0	5.0	9.7
ENE	.1	1.8	3.3	1.2	.0	.0	.0	.0	.0	.0	.0	6.4	8.1
E	.3	3.3	5.3	1.3	.0	.0	.0	.0	.0	.0	.0	10.1	7.6
ESE	.4	2.2	4.7	1.5	.3	.0	.0	.0	.0	.0	.0	9.2	8.8
SE	.3	1.6	4.6	1.9	.5	.1	.1	.0	.0	.0	.0	9.1	9.7
SSE	.1	.8	3.7	1.9	.3	.0	.0	.0	.0	.0	.0	6.9	9.8
S	.2	.4	1.8	1.8	.3	.3	.1	.0	.0	.0	.0	4.8	11.7
SSW	.1	.7	1.7	1.7	.4	.3	.1	.0	.0	.0	.0	5.0	11.9
SW	.2	.3	1.3	2.8	1.3	.3	.0	.0	.0	.0	.0	6.0	13.0
WSW	.1	.9	1.9	1.8	.7	.1	.0	.0	.0	.0	.0	5.5	11.3
W	.4	.8	2.1	2.2	.3	.1	.0	.0	.0	.0	.0	5.9	9.8
WNW	.0	.3	1.2	1.4	.4	.2	.0	.0	.0	.0	.0	3.4	12.4
NW	.1	.6	1.2	.8	.5	.2	.0	.0	.0	.0	.0	3.3	11.1
NNW	.1	1.3	2.9	2.1	.7	.1	.0	.0	.0	.0	.0	7.1	10.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0
ALL	3.0	18.7	42.7	26.0	6.7	2.0	.3	.0	.0	.0	.0	100.0	9.9

TOTAL NO. OF OBS : 1191

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA
PERIOD OF RECORD : 1945-1987
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : APR
HOUR : 1900 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.7	1.4	1.5	.6	.3	.0	.0	.0	.0	.0	.0	4.5	7.5
NNE	.5	.6	1.8	.4	.2	.0	.0	.0	.0	.0	.0	3.6	8.1
NE	1.0	1.2	1.7	.8	.1	.0	.0	.1	.0	.0	.0	4.8	7.7
ENE	.9	1.5	1.5	.4	.0	.0	.0	.0	.0	.0	.0	4.4	6.3
E	2.9	2.9	2.1	.4	.0	.0	.0	.0	.0	.0	.0	8.3	5.1
ESE	2.2	3.4	1.2	.6	.2	.0	.0	.0	.0	.0	.0	7.6	5.6
SE	3.6	5.4	2.8	.5	.1	.0	.0	.0	.0	.0	.0	12.3	5.3
SSE	2.6	5.1	3.7	.8	.2	.0	.0	.0	.0	.0	.0	12.3	6.1
S	1.1	3.7	2.6	1.2	.2	.0	.0	.0	.0	.0	.0	8.7	7.1
SSW	.3	2.1	3.4	1.3	.4	.1	.0	.0	.0	.0	.0	7.5	8.9
SW	.5	1.9	1.2	.6	.1	.1	.0	.0	.0	.0	.0	4.4	7.6
WSW	.4	1.2	.6	.5	.0	.0	.0	.0	.0	.0	.0	2.9	7.1
W	.6	1.4	1.7	.5	.2	.2	.0	.0	.0	.0	.0	4.6	8.0
WNW	.4	.8	.9	.5	.0	.2	.0	.0	.0	.0	.0	2.8	8.8
NW	.4	.4	1.0	.5	.4	.1	.0	.0	.0	.0	.0	2.8	10.5
NNW	.4	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	3.6	8.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0
ALL	16.5	34.1	28.5	11.0	2.2	.6	.0	.1	.0	.0	.0	100.0	6.6

TOTAL NO. OF OBS : 1121

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : APR
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.2	1.3	1.8	.9	.2	.1	.0	.0	.0	.0	.0	4.4	9.0
NNE	.0	.9	1.0	.4	.0	.0	.0	.1	.0	.0	.0	2.3	9.0
NE	.4	.9	1.5	.4	.1	.0	.0	.0	.0	.0	.0	3.3	7.6
ENE	.5	1.4	.7	.4	.1	.0	.0	.0	.0	.0	.0	3.1	6.8
E	2.2	2.1	1.7	.3	.0	.0	.0	.0	.0	.0	.0	6.2	5.3
ESE	1.3	1.7	.9	.3	.0	.0	.0	.0	.0	.0	.0	4.1	5.4
SE	1.4	1.5	.9	.5	.1	.0	.0	.0	.0	.0	.0	4.5	6.0
SSE	2.7	3.3	.9	.8	.1	.0	.0	.0	.0	.0	.0	7.8	5.3
S	3.6	5.4	4.5	1.7	.2	.0	.0	.0	.0	.0	.0	15.4	6.3
SSW	.9	3.5	4.0	3.0	.3	.0	.0	.0	.0	.0	.0	11.7	8.3
SW	1.8	1.4	2.1	1.4	.3	.2	.0	.0	.0	.0	.0	7.2	7.8
WSW	1.9	1.3	1.2	.4	.0	.1	.0	.0	.0	.0	.0	4.8	5.4
W	.6	1.3	1.0	.5	.3	.0	.0	.0	.0	.0	.0	3.8	7.6
WNW	.6	.6	1.0	.6	.1	.0	.0	.0	.0	.0	.0	3.0	7.8
NW	.3	.2	.4	.9	.4	.1	.0	.0	.0	.0	.0	2.2	11.6
NNW	.4	.4	1.6	1.2	.4	.2	.0	.0	.0	.0	.0	4.2	10.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.9	.0
ALL	18.9	27.4	25.2	13.6	2.3	.6	.0	.1	.0	.0	.0	100.0	6.3

TOTAL NO. OF OBS : 1114

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : APR
CLASS : ALL WEATHER HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.6	1.5	2.4	1.6	.4	.1	.0	.0	.0	.0	.0	6.5	9.0
NNE	.3	.8	1.5	1.1	.3	.1	.0*	.0*	.0	.0	.0	4.2	9.9
NE	.5	1.2	1.8	.9	.2	.1	.0*	.0*	.0	.0	.0	4.7	8.7
ENE	.5	1.3	1.6	.7	.1	.0*	.0*	.0	.0	.0	.0	4.3	7.8
E	1.2	2.1	2.3	.7	.0*	.0	.0	.0	.0	.0	.0	6.2	6.5
ESE	.9	1.5	1.7	.7	.1	.0	.0	.0	.0	.0	.0	4.9	7.3
SE	1.0	1.7	1.8	.8	.1	.0*	.0*	.0	.0	.0	.0	5.4	7.3
SSE	1.2	1.8	1.7	.7	.1	.0*	.0	.0	.0	.0	.0	5.5	6.9
S	1.3	2.2	2.0	1.2	.2	.0*	.0*	.0	.0	.0	.0	7.1	7.5
SSW	.5	2.1	3.1	1.9	.4	.1	.0*	.0	.0	.0	.0	8.2	9.2
SW	1.6	2.0	2.6	2.3	.6	.2	.0*	.0	.0	.0	.0	9.4	8.8
WSW	1.2	1.5	2.1	1.2	.3	.1	.0	.0	.0	.0	.0	6.4	8.1
W	.7	1.5	2.1	1.2	.2	.1	.0	.0	.0	.0	.0	5.8	8.3
WNW	.4	.8	1.1	1.0	.1	.1	.0*	.0	.0	.0	.0	3.5	9.2
NW	.3	.6	1.2	1.1	.3	.1	.0*	.0	.0	.0	.0	3.6	10.2
NNW	.4	1.1	2.4	1.9	.5	.2	.0*	.0*	.0	.0	.0	6.6	10.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0
ALL	12.6	23.7	31.4	19.0	4.2	1.1	.2	.0*	.0	.0	.0	100.0	7.8

TOTAL NO. OF OBS : 9249

NOTES :
* = PERCENT < .05

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : APR
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	9.4	54.2	56.2	58.3	58.7	59.0	59.2	59.3	59.3	59.3	59.4	59.4	59.5	59.5	59.8	60.0
>=20000	9.5	56.9	59.2	61.5	61.8	62.1	62.3	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.9	63.1
>=18000	9.5	56.9	59.2	61.5	61.8	62.1	62.3	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.9	63.1
>=16000	9.5	56.9	59.3	61.5	61.9	62.2	62.4	62.6	62.6	62.6	62.6	62.6	62.7	62.7	63.0	63.2
>=14000	9.7	57.8	60.2	62.4	62.7	63.0	63.2	63.4	63.4	63.4	63.5	63.5	63.6	63.6	63.8	64.0
>=12000	9.8	59.1	61.5	63.8	64.1	64.4	64.6	64.8	64.8	64.8	64.9	64.9	64.9	64.9	65.2	65.4
>=10000	10.5	62.4	65.1	67.5	67.9	68.2	68.4	68.5	68.5	68.5	68.6	68.6	68.7	68.7	69.0	69.2
>= 9000	10.6	62.8	65.6	68.0	68.4	68.6	68.8	69.0	69.0	69.0	69.1	69.1	69.2	69.2	69.5	69.6
>= 8000	10.8	66.3	69.1	71.7	72.0	72.4	72.6	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.3	73.5
>= 7000	10.9	68.2	70.9	73.5	73.9	74.2	74.4	74.7	74.7	74.7	74.8	74.8	74.9	74.9	75.2	75.3
>= 6000	10.9	68.8	71.6	74.2	74.6	75.0	75.2	75.4	75.4	75.4	75.5	75.5	75.6	75.6	75.9	76.1
>= 5000	11.3	70.2	73.4	76.2	76.5	76.9	77.1	77.4	77.4	77.4	77.5	77.5	77.6	77.6	77.8	78.0
>= 4500	11.4	70.3	73.7	76.5	76.9	77.3	77.5	77.7	77.7	77.7	77.8	77.8	77.9	77.9	78.2	78.4
>= 4000	11.5	71.8	75.3	78.2	78.6	78.9	79.1	79.4	79.4	79.4	79.5	79.5	79.6	79.6	79.9	80.0
>= 3500	11.7	72.6	76.1	79.0	79.4	79.8	79.9	80.2	80.2	80.2	80.3	80.3	80.4	80.4	80.7	80.9
>= 3000	12.1	74.5	78.7	81.6	82.1	82.6	82.8	83.1	83.1	83.1	83.2	83.2	83.3	83.3	83.5	83.7
>= 2500	12.1	75.1	79.7	82.8	83.3	83.8	84.0	84.3	84.3	84.3	84.4	84.4	84.5	84.5	84.7	84.9
>= 2000	12.2	75.9	80.6	84.0	84.5	85.1	85.3	85.6	85.6	85.6	85.7	85.7	85.8	85.8	86.1	86.3
>= 1800	12.2	76.2	80.9	84.4	84.9	85.5	85.6	86.0	86.0	86.0	86.1	86.1	86.2	86.2	86.5	86.7
>= 1500	12.2	77.0	82.1	85.9	86.6	87.1	87.3	87.7	87.7	87.7	87.8	87.8	87.9	87.9	88.1	88.3
>= 1200	12.3	77.8	83.2	87.6	88.2	88.8	89.0	89.3	89.3	89.3	89.4	89.4	89.5	89.5	89.8	90.0
>= 1000	12.3	78.1	83.5	88.1	88.8	89.3	89.5	89.9	89.9	89.9	90.0	90.0	90.1	90.1	90.3	90.5
>= 900	12.3	78.4	83.9	88.6	89.4	90.0	90.2	90.7	90.7	90.7	90.8	90.8	90.9	90.9	91.2	91.4
>= 800	12.3	78.7	84.2	89.1	90.1	90.6	90.8	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.8	92.0
>= 700	12.3	78.8	84.5	89.6	90.8	91.4	91.6	92.2	92.2	92.2	92.3	92.3	92.4	92.4	92.6	92.8
>= 600	12.3	78.9	84.9	90.2	91.6	92.3	92.6	93.3	93.3	93.3	93.4	93.4	93.5	93.5	93.7	93.9
>= 500	12.3	78.9	84.9	90.3	91.8	92.5	93.0	93.7	93.7	93.7	93.8	93.8	93.9	93.9	94.2	94.4
>= 400	12.3	79.0	85.2	90.7	92.5	93.2	93.7	94.4	94.5	94.7	94.8	94.8	94.8	94.8	95.1	95.3
>= 300	12.3	79.1	85.4	91.0	92.8	93.7	94.3	95.1	95.2	95.4	95.5	95.5	95.6	95.6	95.9	96.0
>= 200	12.3	79.1	85.4	91.0	93.2	94.0	94.8	95.8	95.9	96.6	97.0	97.0	97.1	97.1	97.4	97.6
>= 100	12.3	79.1	85.4	91.1	93.3	94.1	94.9	95.9	96.0	97.0	97.3	97.4	97.5	97.5	98.3	98.7
>= 0	12.3	79.1	85.4	91.1	93.3	94.1	94.9	95.9	96.0	97.0	97.3	97.4	97.6	97.7	98.7	100.0

TOTAL NO. OF OBS : 1087

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : APR
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.7	52.8	56.5	58.2	58.6	58.6	59.2	59.5	59.5	59.6	59.6	59.6	59.7	59.7	59.7	59.8
>=20000	8.7	54.8	58.7	60.6	61.1	61.1	61.7	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.3
>=18000	8.7	54.8	58.7	60.6	61.2	61.2	61.7	62.1	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.4
>=16000	8.7	54.8	58.7	60.6	61.2	61.2	61.7	62.1	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.4
>=14000	8.8	55.0	58.9	60.8	61.4	61.4	61.9	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.6
>=12000	9.0	56.0	60.1	62.1	62.7	62.7	63.2	63.6	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.9
>=10000	9.4	58.7	63.5	65.8	66.3	66.4	67.1	67.4	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.7
>= 9000	9.4	59.4	64.1	66.4	67.0	67.1	67.7	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3
>= 8000	9.6	63.2	68.1	70.4	71.1	71.3	71.9	72.3	72.3	72.5	72.5	72.5	72.6	72.6	72.6	72.7
>= 7000	9.7	64.2	69.2	71.6	72.3	72.5	73.1	73.5	73.5	73.7	73.7	73.7	73.8	73.8	73.8	73.9
>= 6000	9.8	65.0	70.0	72.4	73.1	73.3	73.9	74.3	74.3	74.5	74.5	74.5	74.6	74.6	74.6	74.7
>= 5000	10.2	66.7	72.0	74.5	75.3	75.5	76.1	76.5	76.5	76.7	76.7	76.7	76.8	76.8	76.8	76.9
>= 4500	10.3	67.2	72.6	75.0	75.9	76.1	76.7	77.1	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.4
>= 4000	10.4	68.3	74.1	77.0	77.9	78.1	78.7	79.1	79.1	79.3	79.3	79.3	79.4	79.4	79.4	79.4
>= 3500	10.4	68.8	74.6	77.4	78.3	78.5	79.2	79.5	79.5	79.7	79.7	79.7	79.8	79.8	79.8	79.9
>= 3000	10.4	69.6	76.1	79.2	80.2	80.4	81.0	81.4	81.4	81.6	81.6	81.6	81.7	81.7	81.7	81.7
>= 2500	10.6	70.7	77.4	80.6	81.7	81.9	82.6	82.9	82.9	83.1	83.1	83.1	83.2	83.2	83.2	83.3
>= 2000	10.7	71.7	78.5	81.7	83.1	83.4	84.1	84.5	84.5	84.8	84.8	84.8	84.9	84.9	84.9	85.0
>= 1800	10.7	72.0	79.0	82.2	83.6	83.9	84.6	85.0	85.0	85.2	85.2	85.2	85.3	85.3	85.3	85.4
>= 1500	10.7	73.0	80.6	84.4	85.8	86.1	86.9	87.2	87.2	87.5	87.5	87.5	87.6	87.6	87.6	87.7
>= 1200	10.8	73.6	81.4	85.3	86.7	87.0	87.9	88.3	88.3	88.5	88.5	88.5	88.6	88.6	88.6	88.7
>= 1000	10.9	74.0	82.2	86.2	87.6	87.9	88.8	89.2	89.2	89.4	89.4	89.4	89.5	89.5	89.5	89.6
>= 900	10.9	74.4	82.7	86.7	88.1	88.3	89.3	89.6	89.6	89.9	89.9	89.9	90.0	90.0	90.0	90.1
>= 800	10.9	74.6	82.9	87.0	88.4	88.7	89.6	90.0	90.0	90.3	90.3	90.3	90.4	90.4	90.4	90.5
>= 700	10.9	74.6	82.9	87.2	88.6	88.9	89.8	90.2	90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.7
>= 600	10.9	74.7	83.0	87.3	88.9	89.2	90.1	90.5	90.5	90.8	91.0	91.0	91.1	91.1	91.1	91.2
>= 500	10.9	75.0	83.7	88.3	90.1	90.4	91.7	92.0	92.0	92.4	92.6	92.6	92.7	92.7	92.7	92.8
>= 400	10.9	75.1	84.0	88.7	90.8	91.2	92.5	92.9	93.0	93.4	93.6	93.6	93.7	93.7	93.7	93.8
>= 300	10.9	75.3	84.4	89.2	92.0	92.4	94.0	94.6	94.7	95.0	95.2	95.2	95.3	95.3	95.3	95.4
>= 200	10.9	75.3	84.4	89.2	92.4	92.8	94.7	95.4	95.5	95.9	96.4	96.4	96.6	96.6	96.6	96.7
>= 100	10.9	75.4	84.5	89.4	92.6	93.1	95.0	95.7	95.8	96.2	96.9	96.9	97.1	97.2	97.3	97.7
>= 0	10.9	75.4	84.5	89.4	92.6	93.1	95.0	95.7	95.8	96.3	97.1	97.1	97.2	97.4	98.0	100.0

TOTAL NO. OF OBS : 1090

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : APR
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.5	42.8	47.9	50.1	51.8	51.9	52.9	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.4
>=20000	7.5	46.1	51.7	54.1	55.9	56.0	56.9	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.4
>=18000	7.5	46.2	51.8	54.2	56.0	56.0	57.0	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.5
>=16000	7.5	46.4	52.0	54.4	56.2	56.3	57.2	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.8
>=14000	7.5	47.0	52.7	55.2	57.1	57.2	58.1	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.6
>=12000	7.7	48.2	54.0	56.5	58.4	58.5	59.6	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.1
>=10000	8.1	51.8	57.7	60.5	62.6	62.8	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5
>= 9000	8.3	52.4	58.4	61.3	63.4	63.6	64.8	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.3
>= 8000	8.8	56.2	62.4	65.6	68.0	68.4	69.6	69.9	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.2
>= 7000	8.8	57.4	63.9	67.2	69.5	69.9	71.1	71.5	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.8
>= 6000	9.0	58.4	65.0	68.5	70.8	71.2	72.4	72.8	72.8	72.8	72.9	72.9	73.0	73.0	73.0	73.1
>= 5000	9.1	59.5	66.2	69.7	72.1	72.5	73.7	74.0	74.1	74.1	74.2	74.2	74.3	74.3	74.3	74.4
>= 4500	9.1	60.2	67.0	70.4	72.8	73.4	74.6	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.2
>= 4000	9.3	61.7	68.6	72.2	74.6	75.2	76.5	76.9	76.9	76.9	77.0	77.0	77.1	77.1	77.1	77.2
>= 3500	9.3	62.8	69.8	73.4	75.8	76.4	77.7	78.1	78.1	78.1	78.2	78.2	78.3	78.3	78.3	78.4
>= 3000	9.4	64.2	71.8	75.5	78.1	78.8	80.2	80.7	80.8	80.8	80.9	80.9	81.0	81.0	81.0	81.1
>= 2500	9.5	64.7	72.5	76.2	78.9	79.6	81.1	81.7	81.7	81.7	81.8	81.8	81.9	81.9	81.9	82.0
>= 2000	9.5	65.1	73.0	76.8	79.6	80.4	82.0	82.5	82.6	82.6	82.7	82.7	82.8	82.8	82.8	82.9
>= 1800	9.5	65.2	73.1	76.9	79.7	80.6	82.3	82.9	82.9	82.9	83.0	83.0	83.1	83.1	83.1	83.2
>= 1500	9.5	66.1	74.2	78.1	81.1	82.1	83.8	84.4	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.8
>= 1200	9.5	67.2	75.4	79.9	83.1	84.1	85.9	86.6	86.8	86.9	87.0	87.0	87.1	87.1	87.1	87.1
>= 1000	9.5	67.6	76.2	80.9	84.3	85.8	87.7	88.3	88.6	88.7	88.8	88.8	88.9	88.9	88.9	88.9
>= 900	9.5	67.7	76.3	81.1	84.5	85.9	87.9	88.6	88.9	88.9	89.0	89.0	89.1	89.1	89.1	89.2
>= 800	9.6	68.0	76.7	81.7	85.3	86.9	88.9	89.6	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.2
>= 700	9.6	68.1	76.9	81.9	86.1	87.9	90.1	90.8	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.4
>= 600	9.6	68.2	77.3	82.3	86.9	88.7	91.2	92.0	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.7
>= 500	9.6	68.3	77.7	83.0	87.7	89.5	92.0	93.1	93.4	93.7	93.7	93.7	93.9	93.9	93.9	94.0
>= 400	9.6	68.4	78.1	83.6	88.3	90.2	93.0	94.1	94.4	94.8	94.9	94.9	95.1	95.1	95.1	95.2
>= 300	9.6	68.4	78.1	83.6	88.5	90.6	93.5	94.7	95.1	95.9	96.1	96.1	96.3	96.3	96.4	96.5
>= 200	9.6	68.4	78.1	83.6	88.5	90.6	93.7	94.9	95.4	96.2	96.4	96.5	97.2	97.2	97.4	97.7
>= 100	9.6	68.4	78.1	83.6	88.5	90.6	93.7	94.9	95.4	96.3	96.5	96.6	97.3	97.4	98.2	98.7
>= 0	9.6	68.4	78.1	83.6	88.5	90.6	93.7	94.9	95.4	96.3	96.5	96.6	97.4	97.5	98.5	100.0

TOTAL NO. OF OBS : 1167

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : APR
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	11.6	51.8	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
>=20000	11.8	56.2	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
>=18000	11.8	56.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
>=16000	11.8	56.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
>=14000	11.9	57.0	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
>=12000	12.3	58.2	59.4	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
>=10000	12.4	61.3	63.0	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
>= 9000	12.5	62.2	63.9	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
>= 8000	12.7	65.4	67.5	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
>= 7000	12.7	66.4	68.6	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
>= 6000	12.9	66.9	69.3	69.8	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
>= 5000	12.9	67.8	70.3	70.8	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
>= 4500	12.9	68.3	70.9	71.5	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
>= 4000	12.9	69.3	72.1	73.0	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
>= 3500	13.2	70.6	73.5	74.4	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
>= 3000	13.7	73.9	77.0	77.9	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
>= 2500	14.1	75.9	79.2	80.3	81.2	81.3	81.4	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
>= 2000	14.4	77.2	80.8	81.9	83.0	83.1	83.2	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5
>= 1800	14.4	77.5	81.1	82.2	83.3	83.4	83.6	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
>= 1500	14.4	79.3	83.3	84.7	86.4	86.6	86.8	86.8	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2
>= 1200	14.4	79.9	84.2	86.0	87.8	87.9	88.4	88.4	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9
>= 1000	14.4	80.7	85.5	87.4	89.3	89.5	90.1	90.2	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7
>= 900	14.4	81.1	85.9	87.9	89.7	90.2	90.8	91.0	91.2	91.4	91.4	91.5	91.5	91.5	91.5	91.5
>= 800	14.4	81.4	86.2	88.3	90.4	90.9	91.5	91.7	91.8	92.2	92.2	92.3	92.3	92.3	92.3	92.3
>= 700	14.4	81.7	86.7	89.0	91.2	91.9	92.7	92.9	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5
>= 600	14.4	81.9	87.0	89.5	91.9	92.9	93.8	94.1	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7
>= 500	14.4	81.9	87.0	89.7	92.6	93.6	94.7	95.2	95.5	95.8	96.0	96.1	96.1	96.1	96.1	96.1
>= 400	14.5	82.0	87.1	89.9	93.0	94.1	95.7	96.4	96.7	97.1	97.5	97.5	97.6	97.6	97.6	97.6
>= 300	14.5	82.0	87.1	89.9	93.4	94.5	96.2	97.2	97.5	98.2	98.8	98.9	99.0	99.0	99.0	99.0
>= 200	14.5	82.0	87.1	89.9	93.4	94.5	96.2	97.4	97.6	98.6	99.3	99.5	99.6	99.6	99.6	99.6
>= 100	14.5	82.0	87.1	89.9	93.4	94.6	96.3	97.5	97.7	98.8	99.5	99.7	99.8	99.8	99.8	99.9
>= 0	14.5	82.0	87.1	89.9	93.4	94.6	96.3	97.5	97.7	98.8	99.5	99.7	99.8	99.8	99.8	100.0

TOTAL NO. OF OBS : 1177

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : APR
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	12.8	49.2	50.7	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
>=20000	13.0	53.9	55.5	55.8	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
>=18000	13.0	54.1	55.8	56.0	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
>=16000	13.2	54.3	56.0	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
>=14000	13.3	55.0	56.7	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
>=12000	13.4	56.4	58.2	58.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
>=10000	13.5	59.3	61.3	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
>= 9000	13.6	59.9	62.1	62.5	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
>= 8000	14.2	63.4	65.6	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
>= 7000	14.5	64.4	66.8	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
>= 6000	14.8	65.3	67.8	68.5	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
>= 5000	15.2	66.9	69.6	70.5	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
>= 4500	15.3	67.4	70.2	71.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
>= 4000	15.8	70.1	72.9	73.9	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
>= 3500	16.2	71.4	74.2	75.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
>= 3000	17.1	76.0	79.0	80.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
>= 2500	17.6	78.3	81.4	82.7	84.0	84.0	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2
>= 2000	17.7	80.0	83.4	85.0	86.3	86.3	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7
>= 1800	17.8	80.1	83.5	85.1	86.4	86.4	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8
>= 1500	17.9	81.5	85.4	87.6	88.9	89.1	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6
>= 1200	17.9	82.0	85.9	88.3	89.8	90.0	90.3	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6
>= 1000	18.0	83.1	87.4	90.0	92.1	92.3	92.7	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1
>= 900	18.0	83.2	87.8	90.5	92.6	92.8	93.3	93.5	93.5	93.6	93.8	93.8	93.8	93.8	93.8	93.8
>= 800	18.0	83.3	88.1	90.9	93.1	93.4	94.2	94.5	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8
>= 700	18.0	83.4	88.4	91.4	93.7	94.0	95.0	95.2	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6
>= 600	18.1	83.6	88.7	92.1	94.6	95.1	96.2	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0
>= 500	18.1	83.7	89.0	92.6	95.4	96.0	97.2	97.8	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3
>= 400	18.2	83.8	89.1	92.7	95.7	96.3	97.5	98.1	98.2	98.8	99.1	99.1	99.1	99.1	99.2	99.2
>= 300	18.2	83.8	89.2	92.9	95.8	96.5	97.8	98.5	98.6	99.1	99.5	99.5	99.7	99.7	99.7	99.7
>= 200	18.2	83.8	89.2	92.9	95.8	96.5	97.8	98.5	98.6	99.1	99.6	99.6	99.7	99.7	99.9	99.9
>= 100	18.2	83.8	89.2	92.9	95.8	96.5	97.8	98.5	98.6	99.1	99.6	99.6	99.7	99.7	99.9	99.9
>= 0	18.2	83.8	89.2	92.9	95.8	96.5	97.8	98.5	98.6	99.1	99.6	99.6	99.8	99.8	100.0	100.0

TOTAL NO. OF OBS : 1176

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : APR
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	12.8	48.2	49.7	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
>=20000	13.3	54.2	55.9	56.5	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
>=18000	13.3	54.3	55.9	56.6	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
>=16000	13.3	54.4	56.0	56.6	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
>=14000	13.5	55.1	56.8	57.4	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
>=12000	13.7	56.7	58.6	59.2	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
>=10000	13.8	59.8	61.8	62.4	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
>= 9000	13.8	60.5	62.5	63.2	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
>= 8000	14.2	63.4	65.7	66.6	67.1	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
>= 7000	14.2	65.0	67.6	68.4	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
>= 6000	14.3	66.0	68.7	69.7	70.2	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
>= 5000	14.9	68.3	71.1	72.0	72.6	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
>= 4500	15.1	69.0	71.8	72.8	73.4	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
>= 4000	15.5	71.9	74.7	76.0	76.8	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
>= 3500	15.6	73.3	76.3	77.7	78.6	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
>= 3000	16.3	77.0	80.7	82.5	83.6	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
>= 2500	16.3	79.0	82.9	85.1	86.3	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
>= 2000	16.4	79.5	83.5	85.9	87.3	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
>= 1800	16.4	79.8	83.8	86.4	87.8	87.9	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
>= 1500	16.4	81.0	85.3	88.0	89.5	89.8	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
>= 1200	16.4	81.3	85.6	88.5	90.3	90.6	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
>= 1000	16.4	81.6	86.3	89.5	91.5	91.8	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
>= 900	16.4	81.7	86.4	89.6	92.0	92.4	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
>= 800	16.6	82.2	86.8	90.3	92.8	93.4	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
>= 700	16.6	82.3	87.0	90.6	93.4	94.1	94.5	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
>= 600	16.6	82.7	87.3	91.1	94.1	94.8	95.4	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
>= 500	16.7	82.8	87.5	91.3	94.4	95.5	96.2	96.8	96.8	96.9	97.0	97.0	97.1	97.1	97.1	97.1
>= 400	16.7	82.8	87.5	91.3	94.5	95.8	96.9	97.6	97.6	97.9	98.3	98.3	98.4	98.4	98.4	98.4
>= 300	16.7	82.8	87.5	91.3	94.5	96.0	97.1	97.9	97.9	98.3	98.6	98.6	98.9	98.9	99.0	99.0
>= 200	16.7	82.8	87.5	91.3	94.5	96.0	97.1	97.9	97.9	98.4	99.0	99.0	99.4	99.4	99.5	99.7
>= 100	16.7	82.8	87.5	91.3	94.5	96.0	97.1	97.9	97.9	98.4	99.0	99.0	99.5	99.5	99.7	99.9
>= 0	16.7	82.8	87.5	91.3	94.5	96.0	97.1	97.9	97.9	98.4	99.0	99.0	99.6	99.6	99.7	100.0

TOTAL NO. OF OBS : 1144

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : APR
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	9.1	50.0	52.1	53.6	54.2	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
>=20000	9.3	53.6	56.1	57.9	58.5	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
>=18000	9.3	53.8	56.4	58.2	58.8	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
>=16000	9.4	54.1	56.7	58.5	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
>=14000	9.5	54.8	57.4	59.3	59.9	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
>=12000	9.9	56.7	59.3	61.4	62.0	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
>=10000	10.4	59.9	62.8	65.1	66.0	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
>= 9000	10.4	60.4	63.3	65.6	66.5	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
>= 8000	10.7	63.1	66.6	69.3	70.3	70.5	70.8	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1
>= 7000	10.7	64.3	68.1	70.8	71.8	72.0	72.3	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6
>= 6000	10.9	65.3	69.3	72.1	73.2	73.4	73.7	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9
>= 5000	11.1	66.9	71.2	74.2	75.5	75.7	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
>= 4500	11.4	67.7	71.9	75.0	76.2	76.4	76.7	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0
>= 4000	11.6	69.4	73.9	77.2	78.7	78.9	79.2	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5
>= 3500	11.8	70.2	75.0	78.3	79.9	80.0	80.3	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6
>= 3000	12.0	73.0	78.1	81.5	83.7	84.0	84.3	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6
>= 2500	12.1	73.8	79.2	82.9	85.5	85.8	86.1	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4
>= 2000	12.1	74.7	80.2	84.1	86.9	87.2	87.6	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9
>= 1800	12.1	74.9	80.4	84.3	87.1	87.4	87.8	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1
>= 1500	12.1	75.8	81.6	85.6	88.4	88.8	89.2	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5
>= 1200	12.1	76.2	82.1	86.2	89.3	89.8	90.2	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6
>= 1000	12.1	76.7	82.6	86.8	90.0	90.7	91.2	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6
>= 900	12.1	76.8	82.7	86.9	90.5	91.4	92.0	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3
>= 800	12.2	77.0	83.1	87.2	90.9	91.9	92.4	92.7	92.7	92.8	92.8	92.8	92.9	92.9	92.9	92.9
>= 700	12.2	77.2	83.3	87.5	91.5	92.4	93.2	93.5	93.5	93.6	93.6	93.7	93.8	93.8	93.8	93.8
>= 600	12.2	77.3	83.4	87.8	92.0	92.9	93.8	94.2	94.2	94.3	94.4	94.5	94.5	94.5	94.5	94.5
>= 500	12.2	77.4	83.5	88.1	92.3	93.3	94.5	95.0	95.1	95.2	95.3	95.4	95.5	95.5	95.5	95.5
>= 400	12.2	77.5	83.7	88.4	92.9	93.9	95.3	95.8	95.9	96.0	96.1	96.2	96.3	96.3	96.4	96.4
>= 300	12.2	77.5	83.7	88.4	92.9	93.9	95.4	96.0	96.1	96.4	96.5	96.6	96.8	96.8	96.9	96.9
>= 200	12.2	77.5	83.7	88.4	93.0	94.1	95.8	96.6	96.7	97.2	97.9	98.0	98.2	98.2	98.5	98.5
>= 100	12.2	77.5	83.7	88.4	93.0	94.1	95.9	96.8	96.9	97.6	98.2	98.3	98.9	99.1	99.4	99.6
>= 0	12.2	77.5	83.7	88.4	93.0	94.1	95.9	96.8	96.9	97.6	98.2	98.3	98.9	99.1	99.4	100.0

TOTAL NO. OF OBS : 1082

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : APR
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	10.2	55.8	57.7	59.8	60.1	60.1	60.1	60.3	60.3	60.4	60.5	60.5	60.5	60.5	60.6	60.7
>=20000	10.3	58.1	60.6	62.7	63.1	63.1	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.5	63.6
>=18000	10.3	58.3	60.8	62.9	63.2	63.2	63.2	63.4	63.4	63.5	63.6	63.6	63.6	63.6	63.7	63.8
>=16000	10.4	58.4	60.9	63.0	63.3	63.3	63.3	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.8	63.9
>=14000	10.6	59.1	61.5	63.6	64.0	64.0	64.0	64.1	64.1	64.2	64.3	64.3	64.3	64.3	64.4	64.5
>=12000	10.7	60.1	62.6	64.7	65.1	65.1	65.1	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.5	65.6
>=10000	11.3	63.5	66.2	68.4	68.8	68.8	68.8	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.3
>= 9000	11.4	64.1	67.0	69.2	69.5	69.5	69.5	69.7	69.7	69.8	69.9	69.9	69.9	69.9	70.0	70.1
>= 8000	11.7	67.9	71.1	73.3	73.8	73.8	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.3	74.4
>= 7000	11.8	68.9	72.3	74.6	75.2	75.2	75.3	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.7	75.8
>= 6000	11.9	69.2	72.9	75.2	75.7	75.7	75.8	76.0	76.0	76.1	76.2	76.2	76.2	76.2	76.3	76.3
>= 5000	12.2	71.6	75.4	77.9	78.5	78.5	78.6	78.8	78.8	78.9	79.0	79.0	79.0	79.0	79.1	79.2
>= 4500	12.3	72.3	76.3	78.8	79.5	79.5	79.6	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.1	80.2
>= 4000	12.8	74.8	78.9	81.3	82.1	82.1	82.2	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.6	82.7
>= 3500	12.8	75.1	79.3	81.8	82.6	82.6	82.7	82.9	82.9	83.0	83.1	83.1	83.1	83.1	83.2	83.3
>= 3000	12.9	76.8	81.3	83.9	84.7	84.7	84.8	85.0	85.0	85.1	85.2	85.2	85.2	85.2	85.3	85.4
>= 2500	13.0	77.9	82.7	85.4	86.4	86.4	86.6	86.8	86.9	87.0	87.1	87.1	87.1	87.1	87.2	87.3
>= 2000	13.0	78.9	83.9	86.7	88.1	88.1	88.3	88.4	88.5	88.6	88.7	88.7	88.7	88.7	88.8	88.9
>= 1800	13.0	79.1	84.1	86.9	88.3	88.3	88.4	88.6	88.7	88.8	88.9	88.9	88.9	88.9	89.0	89.1
>= 1500	13.0	79.7	84.8	87.8	89.3	89.3	89.4	89.6	89.7	89.8	89.9	89.9	89.9	89.9	90.0	90.1
>= 1200	13.0	80.1	85.3	88.4	89.9	89.9	90.1	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.6	90.7
>= 1000	13.0	80.6	85.8	89.3	90.8	90.8	91.1	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.6	91.7
>= 900	13.1	80.8	86.0	89.6	91.2	91.2	91.4	91.6	91.7	91.8	91.9	91.9	91.9	91.9	92.0	92.1
>= 800	13.1	81.1	86.4	90.0	91.8	91.8	92.2	92.4	92.4	92.6	92.7	92.7	92.7	92.7	92.8	92.9
>= 700	13.1	81.2	86.5	90.4	92.3	92.3	92.7	92.9	93.0	93.2	93.3	93.3	93.3	93.3	93.4	93.4
>= 600	13.1	81.3	86.9	91.2	93.1	93.1	93.5	93.7	93.9	94.1	94.2	94.2	94.3	94.3	94.4	94.4
>= 500	13.1	81.3	87.2	91.5	93.8	93.8	94.3	94.6	94.8	95.1	95.2	95.2	95.3	95.3	95.4	95.5
>= 400	13.1	81.3	87.4	92.1	94.4	94.4	94.9	95.5	95.7	96.1	96.2	96.2	96.3	96.3	96.4	96.5
>= 300	13.1	81.3	87.5	92.2	94.6	94.7	95.5	96.2	96.5	97.1	97.2	97.2	97.3	97.3	97.4	97.5
>= 200	13.1	81.3	87.5	92.2	94.6	94.7	95.6	96.5	96.8	97.6	97.8	97.8	98.0	98.0	98.2	98.3
>= 100	13.1	81.3	87.5	92.2	94.6	94.7	95.6	96.5	96.8	97.7	98.1	98.1	98.5	98.5	98.9	99.0
>= 0	13.1	81.3	87.5	92.2	94.6	94.7	95.6	96.5	96.8	97.7	98.2	98.2	98.5	98.5	99.1	100.0

TOTAL NO. OF OBS : 1099

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : APR
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	10.3	50.5	52.9	54.2	54.7	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.3
>=20000	10.5	54.2	56.8	58.2	58.8	58.8	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.4
>=18000	10.5	54.3	56.9	58.4	58.9	59.0	59.2	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.6
>=16000	10.5	54.4	57.0	58.5	59.1	59.1	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.7
>=14000	10.6	55.0	57.7	59.2	59.8	59.8	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.4
>=12000	10.9	56.4	59.2	60.7	61.3	61.3	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.9
>=10000	11.2	59.5	62.6	64.3	65.0	65.1	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.7
>= 9000	11.3	60.2	63.3	65.0	65.7	65.8	66.1	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.4
>= 8000	11.6	63.6	67.0	68.8	69.6	69.7	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4
>= 7000	11.7	64.8	68.4	70.2	71.1	71.2	71.5	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.9	71.9
>= 6000	11.9	65.6	69.3	71.2	72.0	72.2	72.5	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.9	72.9
>= 5000	12.1	67.2	71.1	73.1	74.1	74.2	74.6	74.7	74.7	74.8	74.8	74.8	74.9	74.9	74.9	75.0
>= 4500	12.2	67.7	71.7	73.8	74.8	74.9	75.3	75.4	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.7
>= 4000	12.5	69.6	73.8	76.0	77.1	77.3	77.6	77.8	77.8	77.8	77.9	77.9	77.9	77.9	78.0	78.0
>= 3500	12.6	70.6	74.8	77.1	78.2	78.4	78.7	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.1	79.1
>= 3000	13.0	73.1	77.8	80.3	81.5	81.7	82.1	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.5
>= 2500	13.2	74.4	79.4	82.0	83.4	83.6	84.0	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.5	84.5
>= 2000	13.3	75.4	80.5	83.2	84.8	85.1	85.6	85.8	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.1
>= 1800	13.3	75.6	80.7	83.5	85.1	85.4	85.9	86.1	86.2	86.2	86.3	86.3	86.3	86.3	86.4	86.4
>= 1500	13.3	76.7	82.2	85.2	87.0	87.3	87.9	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.4	88.4
>= 1200	13.4	77.3	82.9	86.3	88.1	88.5	89.1	89.3	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.7
>= 1000	13.4	77.8	83.7	87.3	89.3	89.8	90.4	90.7	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.1
>= 900	13.4	78.0	84.0	87.6	89.7	90.3	91.0	91.3	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.7
>= 800	13.4	78.3	84.3	88.0	90.4	90.9	91.7	92.0	92.1	92.3	92.3	92.3	92.4	92.4	92.4	92.5
>= 700	13.4	78.4	84.5	88.5	91.0	91.6	92.5	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.3	93.3
>= 600	13.5	78.6	84.8	88.9	91.6	92.4	93.3	93.8	93.9	94.1	94.2	94.2	94.2	94.2	94.3	94.3
>= 500	13.5	78.7	85.1	89.4	92.3	93.1	94.2	94.8	94.9	95.2	95.3	95.3	95.4	95.4	95.4	95.5
>= 400	13.5	78.8	85.3	89.7	92.8	93.7	95.0	95.6	95.8	96.1	96.3	96.4	96.5	96.5	96.5	96.6
>= 300	13.5	78.8	85.4	89.8	93.1	94.0	95.5	96.3	96.5	97.0	97.2	97.2	97.4	97.4	97.5	97.5
>= 200	13.5	78.8	85.4	89.8	93.2	94.2	95.7	96.6	96.8	97.5	97.9	98.0	98.2	98.2	98.4	98.5
>= 100	13.5	78.8	85.4	89.8	93.2	94.2	95.8	96.7	96.9	97.7	98.1	98.2	98.6	98.6	99.0	99.2
>= 0	13.5	78.8	85.4	89.8	93.2	94.2	95.8	96.7	96.9	97.7	98.2	98.2	98.6	98.7	99.2	100.0

TOTAL NO. OF OBS : 9022

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : MAY
CLASS : ALL WEATHER HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.5	1.1	1.3	1.2	.2	.0	.0	.0	.0	.0	.0	4.4	8.6
NNE	1.0	1.6	1.6	.6	.0	.0	.0	.0	.0	.0	.0	4.7	6.4
NE	1.0	1.2	.6	.8	.1	.0	.0	.0	.0	.0	.0	3.8	6.7
ENE	.5	1.1	.5	.4	.1	.0	.0	.0	.0	.0	.0	2.7	6.7
E	1.3	1.8	.6	.2	.2	.0	.0	.0	.0	.0	.0	4.1	5.7
ESE	.8	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	2.2	5.0
SE	1.4	1.3	.6	.2	.0	.0	.0	.0	.0	.0	.0	3.5	4.6
SSE	1.6	1.2	.7	.2	.0	.0	.0	.0	.0	.0	.0	3.7	4.7
S	2.8	5.1	1.7	.5	.0	.0	.0	.0	.0	.0	.0	10.1	5.1
SSW	3.0	4.5	4.9	1.1	.0	.0	.0	.0	.0	.0	.0	13.5	6.2
SW	3.1	5.8	4.0	1.3	.0	.0	.0	.0	.0	.0	.0	14.2	6.1
WSW	1.7	2.9	1.6	.4	.1	.0	.0	.0	.0	.0	.0	6.6	5.6
W	1.5	1.7	.5	.1	.0	.0	.0	.0	.0	.0	.0	3.8	4.4
WNW	.7	.9	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.8	4.8
NW	.5	.7	.3	.3	.1	.0	.1	.0	.0	.0	.0	2.0	7.1
NNW	.1	.3	.2	.6	.2	.0	.0	.0	.0	.0	.0	1.7	9.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.2	.0
ALL	21.5	32.3	19.9	8.1	1.0	.0	.1	.0	.0	.0	.0	100.0	4.9

TOTAL NO. OF OBS : 1146

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : MAY
CLASS : ALL WEATHER HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.0	1.7	2.2	.4	.1	.0	.0	.0	.0	.0	.0	5.4	7.0
NNE	.5	1.4	2.2	.9	.0	.0	.0	.0	.0	.0	.0	5.0	7.5
NE	.8	1.3	1.6	1.2	.1	.0	.0	.0	.0	.0	.0	5.0	7.6
ENE	.5	.7	.7	.4	.1	.1	.0	.0	.0	.0	.0	2.5	8.0
E	1.1	.8	.8	.3	.1	.0	.0	.0	.0	.0	.0	3.1	5.9
ESE	.8	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	2.0	4.5
SE	1.4	1.2	.4	.3	.0	.0	.0	.0	.0	.0	.0	3.3	4.8
SSE	1.0	1.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	3.1	4.8
S	2.1	2.4	1.1	.1	.1	.0	.0	.0	.0	.0	.0	5.8	4.8
SSW	1.7	3.9	3.0	.7	.0	.0	.0	.0	.0	.0	.0	9.3	6.3
SW	5.1	6.7	3.7	.8	.0	.0	.0	.0	.0	.0	.0	16.4	5.2
WSW	2.8	2.5	2.3	.7	.1	.0	.0	.0	.0	.0	.0	8.4	5.7
W	1.3	1.7	.5	.1	.0	.0	.0	.0	.0	.0	.0	3.7	4.6
WNW	.5	.7	.5	.1	.0	.0	.0	.0	.0	.0	.0	1.8	5.6
NW	.7	.4	.3	.3	.0	.0	.0	.1	.0	.0	.0	1.8	7.3
NNW	.7	1.0	1.3	.4	.1	.2	.0	.0	.0	.0	.0	3.7	7.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.8	.0
ALL	22.1	28.9	21.5	6.8	.6	.3	.0	.1	.0	.0	.0	100.0	4.8

TOTAL NO. OF OBS : 1147

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : MAY
CLASS : ALL WEATHER HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.1	1.9	3.4	1.2	.3	.1	.0	.0	.0	.0	.0	8.0	7.9
NNE	.6	1.9	2.8	1.1	.3	.0	.0	.0	.0	.0	.0	6.9	8.0
NE	.6	1.6	2.4	1.2	.1	.0	.0	.0	.0	.0	.0	5.9	7.9
ENE	1.1	1.0	1.4	.9	.1	.0	.0	.0	.0	.0	.0	4.4	7.2
E	.9	1.0	1.1	.3	.0	.1	.0	.0	.0	.0	.0	3.3	6.4
ESE	.6	1.1	1.3	.2	.0	.0	.0	.0	.0	.0	.0	3.2	6.4
SE	.6	1.3	.6	.4	.0	.0	.0	.0	.0	.0	.0	3.0	6.1
SSE	1.0	1.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	2.8	4.8
S	1.4	2.6	1.6	.3	.2	.0	.0	.0	.0	.0	.0	6.1	6.0
SSW	1.1	3.1	3.0	.7	.0	.1	.0	.0	.0	.0	.0	7.9	6.7
SW	1.8	3.2	5.8	1.8	.7	.2	.0	.0	.0	.0	.0	13.5	8.1
WSW	1.7	4.1	4.2	1.3	.1	.0	.0	.0	.0	.0	.0	11.4	6.8
W	1.5	1.4	1.6	.4	.0	.0	.0	.0	.0	.0	.0	4.9	5.8
WNW	.6	.9	.6	.2	.0	.0	.0	.0	.0	.0	.0	2.4	6.0
NW	.6	.8	1.0	.5	.2	.1	.0	.0	.0	.0	.0	3.2	7.7
NNW	.7	1.3	1.0	1.2	.1	.1	.0	.0	.0	.0	.0	5.2	8.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	.0
ALL	16.0	28.4	32.9	12.1	7.0	.6	.0	.0	.0	.0	.0	100.0	6.6

TOTAL NO. OF OBS : 1233

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : MAY
CLASS : ALL WEATHER HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.5	1.4	4.6	2.2	.2	.0	.0	.0	.0	.0	.0	8.8	9.2
NNE	.2	1.0	2.4	1.6	.2	.0	.0	.0	.0	.0	.0	5.4	9.3
NE	.1	1.9	3.3	1.3	.2	.0	.0	.0	.0	.0	.0	6.8	8.6
ENE	.7	1.8	2.8	1.0	.0	.0	.0	.0	.0	.0	.0	6.3	7.5
E	1.2	3.1	2.8	.8	.0	.1	.0	.0	.0	.0	.0	8.0	6.7
ESE	.3	1.1	1.6	.5	.0	.0	.0	.0	.0	.0	.0	3.6	7.4
SE	.0	1.1	1.4	1.1	.2	.0	.0	.0	.0	.0	.0	3.7	9.3
SSE	.4	1.4	.8	.2	.1	.0	.0	.0	.0	.0	.0	2.9	7.1
S	.5	1.2	2.2	.6	.0	.0	.0	.0	.0	.0	.0	4.5	7.5
SSW	.6	1.4	3.0	1.3	.3	.0	.0	.0	.0	.0	.0	6.7	8.6
SW	.2	2.4	3.8	2.6	.6	.4	.0	.0	.0	.0	.0	10.1	10.1
WSW	1.1	1.8	4.5	2.7	.2	.1	.0	.0	.0	.0	.0	10.3	8.7
W	.2	1.8	2.7	1.1	.3	.1	.0	.0	.0	.0	.0	6.3	8.8
WNW	.3	.9	.6	.5	.3	.0	.0	.0	.0	.0	.0	2.8	8.5
NW	.3	1.5	1.5	1.4	.2	.1	.0	.0	.0	.0	.0	4.8	9.2
NNW	.2	1.1	2.9	2.0	.2	.0	.0	.0	.0	.0	.0	6.5	9.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0
ALL	6.9	24.8	41.1	20.9	3.2	.7	.0	.0	.0	.0	.0	100.0	8.4

TOTAL NO. OF OBS : 1232

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.3	1.6	2.5	2.1	.1	.0	.0	.0	.0	.0	.0	6.7	9.1
NNE	.0	1.9	2.6	1.5	.3	.0	.0	.0	.0	.0	.0	6.3	9.4
NE	.1	1.9	3.8	1.4	.2	.1	.0	.0	.0	.0	.0	7.4	8.8
ENE	.5	3.2	4.1	1.5	.1	.0	.0	.0	.0	.0	.0	9.3	7.8
E	.6	3.2	5.6	.8	.0	.0	.0	.0	.0	.0	.0	10.2	7.3
ESE	.2	2.1	3.7	1.4	.2	.0	.0	.0	.0	.0	.0	7.6	8.4
SE	.2	1.2	2.4	1.8	.6	.1	.0	.0	.0	.0	.0	6.3	10.0
SSE	.0	.4	1.3	.6	.2	.1	.0	.0	.0	.0	.0	2.6	10.2
S	.6	.6	1.7	.9	.1	.1	.0	.0	.0	.0	.0	3.9	8.8
SSW	.3	1.1	2.7	1.1	.5	.2	.0	.0	.0	.0	.0	5.8	10.1
SW	.1	1.1	3.3	2.2	.7	.1	.0	.0	.0	.0	.0	7.6	10.4
WSW	.4	1.2	2.4	2.0	.6	.2	.0	.0	.0	.0	.0	6.9	10.2
W	.5	1.4	2.6	1.1	.4	.0	.0	.0	.0	.0	.0	5.9	8.8
WNW	.2	.6	1.5	.6	.1	.0	.0	.0	.0	.0	.0	2.8	8.8
NW	.2	.6	1.0	.6	.2	.1	.0	.0	.0	.0	.0	2.6	9.5
NNW	.2	1.9	3.2	1.4	.5	.0	.0	.0	.0	.0	.0	7.1	9.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0
ALL	4.4	23.8	44.3	21.0	4.7	1.0	.0	.0	.0	.0	.0	100.0	9.0

TOTAL NO. OF OBS : 1231

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.3	1.7	2.6	1.5	.1	.0	.0	.0	.0	.0	.0	6.2	8.6
NNE	.2	.8	2.2	1.2	.1	.0	.0	.0	.0	.0	.0	4.7	9.1
NE	.2	1.2	3.6	1.5	.2	.1	.0	.0	.0	.0	.0	6.7	9.0
ENE	.4	2.7	2.8	.8	.1	.0	.0	.0	.0	.0	.0	6.9	7.3
E	1.3	5.2	4.2	.9	.1	.0	.0	.0	.0	.0	.0	11.8	6.6
ESE	.7	4.5	5.6	1.9	.0	.0	.0	.0	.0	.0	.0	12.7	7.4
SE	.2	3.3	6.1	1.7	.7	.1	.0	.0	.0	.0	.0	12.2	8.8
SSE	.2	1.3	3.6	.8	.2	.1	.0	.0	.0	.0	.0	6.3	8.7
S	.2	1.0	2.2	.8	.0	.1	.0	.0	.0	.0	.0	4.3	8.8
SSW	.0	.7	2.2	1.7	.6	.0	.0	.0	.0	.0	.0	5.2	10.7
SW	.1	.6	2.9	1.4	.5	.0	.2	.0	.0	.0	.0	5.7	10.9
WSW	.2	.6	1.9	2.0	.2	.1	.0	.0	.0	.0	.0	5.0	10.4
W	.1	.7	1.2	1.1	.1	.0	.0	.0	.0	.0	.0	3.1	9.5
WNW	.1	.7	.5	.9	.0	.0	.0	.0	.0	.0	.0	2.2	9.2
NW	.3	.7	.8	.4	.3	.0	.0	.0	.0	.0	.0	2.6	8.9
NNW	.3	1.2	1.1	.6	.0	.0	.0	.0	.0	.0	.0	3.2	7.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0
ALL	5.0	27.1	43.5	19.5	3.2	.4	.2	.0	.0	.0	.0	100.0	8.5

TOTAL NO. OF OBS : 1201

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : MAY
CLASS : ALL WEATHER HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.0	1.4	1.1	1.0	.0	.0	.0	.0	.0	.0	.0	4.5	6.9
NNE	.7	.6	1.1	.9	.1	.0	.0	.0	.0	.0	.0	3.4	8.2
NE	1.3	2.1	2.0	.4	.2	.0	.0	.0	.0	.0	.0	6.0	6.6
ENE	1.2	2.1	1.5	.3	.2	.0	.0	.0	.0	.0	.0	5.2	6.1
E	4.2	3.2	1.7	.3	.0	.0	.0	.0	.0	.0	.0	9.5	4.5
ESE	3.3	3.7	1.7	.3	.0	.0	.0	.0	.0	.0	.0	9.0	4.7
SE	3.3	5.8	2.6	.3	.0	.1	.0	.0	.0	.0	.0	12.0	5.3
SSE	3.0	6.9	2.4	.5	.0	.0	.0	.0	.0	.0	.0	12.8	5.2
S	1.6	6.5	3.1	.5	.1	.0	.0	.0	.0	.0	.0	11.8	5.9
SSW	1.0	2.4	2.8	.7	.2	.1	.0	.0	.0	.0	.0	7.1	7.2
SW	.9	2.4	2.0	.4	.1	.0	.0	.0	.0	.0	.0	5.8	6.5
WSW	.3	1.0	1.0	.2	.0	.0	.0	.0	.0	.0	.0	2.5	6.7
W	.8	.7	.7	.2	.0	.0	.0	.0	.0	.0	.0	2.4	5.6
WNW	.3	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.9
NW	.3	.3	.5	.0	.1	.0	.0	.0	.0	.0	.0	1.2	6.0
NNW	.2	.4	.3	.6	.0	.0	.0	.0	.0	.0	.0	1.6	9.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	.0
ALL	23.5	40.2	24.8	6.5	.9	.2	.0	.0	.0	.0	.0	100.0	5.6

TOTAL NO. OF OBS : 1147

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.4	.4	.9	.5	.0	.1	.0	.0	.0	.0	.0	2.4	8.2
NNE	.5	1.0	1.5	.3	.1	.0	.0	.0	.0	.0	.0	3.4	7.4
NE	.8	1.6	1.7	.7	.1	.0	.0	.0	.0	.0	.0	4.8	6.9
ENE	1.0	1.2	1.1	.2	.0	.0	.0	.0	.0	.0	.0	3.6	5.8
E	2.4	2.2	1.0	.3	.1	.0	.0	.0	.0	.0	.0	6.1	5.0
ESE	2.8	1.0	1.0	.3	.0	.0	.0	.0	.0	.0	.0	5.1	4.5
SE	2.5	2.4	.9	.3	.1	.0	.0	.0	.0	.0	.0	6.1	4.9
SSE	2.3	3.8	1.2	.1	.1	.0	.0	.0	.0	.0	.0	7.5	4.8
S	3.8	8.4	5.2	1.0	.2	.0	.0	.0	.0	.0	.0	18.5	5.9
SSW	1.0	4.3	4.1	1.0	.2	.0	.0	.0	.0	.0	.0	10.5	7.1
SW	1.5	2.8	2.3	.4	.0	.0	.0	.0	.0	.0	.0	7.0	5.9
WSW	1.2	2.0	1.2	.4	.0	.0	.0	.0	.0	.0	.0	4.9	5.9
W	1.0	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	1.7	4.5
WNW	.3	.1	.3	.1	.1	.0	.0	.0	.0	.0	.0	.8	7.9
NW	.8	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.7	4.5
NNW	.6	.5	.5	.6	.0	.0	.0	.0	.0	.0	.0	2.3	7.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.7	.0
ALL	22.9	32.6	23.3	6.5	.9	.1	.0	.0	.0	.0	.0	100.0	5.1

TOTAL NO. OF OBS : 1146

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA
PERIOD OF RECORD : 1945-1987
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : MAY
HOUR : ALL

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.7	1.4	2.4	1.3	.1	.0*	.0	.0	.0	.0	.0	5.9	8.3
NNE	.5	1.3	2.1	1.0	.1	.0	.0	.0	.0	.0	.0	5.0	8.3
NE	.6	1.6	2.4	1.1	.1	.0*	.0	.0	.0	.0	.0	5.8	7.9
ENE	.7	1.7	1.9	.7	.1	.0*	.0	.0	.0	.0	.0	5.2	7.2
E	1.6	2.6	2.3	.5	.1	.0*	.0	.0	.0	.0	.0	7.1	6.1
ESE	1.2	1.9	2.0	.6	.0*	.0	.0	.0	.0	.0	.0	5.7	6.4
SE	1.2	2.2	1.9	.8	.2	.0*	.0	.0	.0	.0	.0	6.2	7.0
SSE	1.1	2.2	1.3	.4	.1	.0*	.0	.0	.0	.0	.0	5.1	6.1
S	1.6	3.4	2.3	.6	.1	.0*	.0	.0	.0	.0	.0	8.0	6.2
SSW	1.1	2.6	3.2	1.0	.2	.1	.0	.0	.0	.0	.0	8.2	7.5
SW	1.6	3.1	3.5	1.4	.3	.1	.0*	.0	.0	.0	.0	10.0	7.6
WSW	1.2	2.0	2.4	1.2	.2	.1	.0	.0	.0	.0	.0	7.1	7.6
W	.8	1.2	1.3	.5	.1	.0*	.0	.0	.0	.0	.0	4.0	7.0
WNW	.4	.7	.6	.3	.1	.0	.0	.0	.0	.0	.0	2.0	7.3
NW	.5	.7	.7	.5	.1	.0*	.0*	.0*	.0	.0	.0	2.5	8.0
NNW	.4	1.0	1.5	.9	.1	.0*	.0	.0	.0	.0	.0	4.0	8.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2	.0
ALL	15.0	29.6	31.7	12.9	2.1	.4	.0*	.0*	.0	.0	.0	100.0	6.7

TOTAL NO. OF OBS : 9483

NOTES :
* = PERCENT < .05

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.4	50.5	54.6	57.3	58.6	58.7	58.9	59.0	59.0	59.1	59.2	59.2	59.2	59.2	59.3	59.3
>=20000	7.7	54.0	58.1	61.1	62.4	62.5	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.2	63.2
>=18000	7.7	54.0	58.1	61.1	62.4	62.5	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.2	63.2
>=16000	7.7	54.0	58.1	61.1	62.4	62.5	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.2	63.2
>=14000	7.8	54.5	58.8	61.7	63.0	63.1	63.5	63.6	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8
>=12000	8.0	56.0	60.3	63.2	64.6	64.6	65.0	65.1	65.1	65.2	65.3	65.3	65.3	65.3	65.4	65.4
>=10000	8.2	58.9	63.3	66.3	67.8	67.9	68.2	68.3	68.3	68.4	68.5	68.5	68.5	68.5	68.6	68.6
>= 9000	8.3	59.5	63.9	67.0	68.4	68.5	68.8	68.9	68.9	69.0	69.1	69.1	69.1	69.1	69.2	69.2
>= 8000	8.4	62.8	67.3	70.4	72.1	72.2	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.9	72.9
>= 7000	8.6	64.1	68.7	71.9	73.6	73.6	74.0	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.4	74.4
>= 6000	8.7	64.6	69.3	72.4	74.1	74.2	74.5	74.6	74.6	74.7	74.8	74.8	74.8	74.8	74.9	74.9
>= 5000	8.9	66.1	71.0	74.1	75.9	76.0	76.3	76.4	76.4	76.5	76.6	76.6	76.6	76.6	76.7	76.7
>= 4500	8.9	66.2	71.1	74.2	76.0	76.0	76.4	76.5	76.5	76.6	76.7	76.7	76.7	76.7	76.8	76.8
>= 4000	8.9	67.6	72.8	76.0	77.9	78.0	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.8	78.8
>= 3500	9.0	68.0	73.3	76.6	78.5	78.5	78.9	79.0	79.0	79.1	79.2	79.2	79.2	79.2	79.3	79.3
>= 3000	9.0	69.5	75.0	78.9	80.9	80.9	81.3	81.4	81.4	81.5	81.6	81.6	81.6	81.6	81.7	81.7
>= 2500	9.0	70.4	76.2	80.2	82.2	82.3	82.6	82.7	82.7	82.8	82.9	82.9	82.9	82.9	83.1	83.1
>= 2000	9.0	71.6	77.7	81.9	84.1	84.2	84.7	84.8	84.8	84.9	85.0	85.0	85.0	85.0	85.1	85.1
>= 1800	9.0	71.7	77.9	82.1	84.3	84.4	84.9	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.3	85.3
>= 1500	9.0	72.1	78.7	83.1	85.3	85.4	85.8	85.9	85.9	86.0	86.1	86.1	86.1	86.1	86.3	86.3
>= 1200	9.1	72.7	79.4	84.0	86.3	86.4	86.9	86.9	86.9	87.0	87.2	87.2	87.2	87.2	87.4	87.4
>= 1000	9.1	73.2	80.1	84.8	87.5	87.6	88.4	88.5	88.5	88.6	88.8	88.8	88.8	88.8	89.0	89.0
>= 900	9.1	73.4	80.3	85.1	87.9	88.0	88.8	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.3	89.3
>= 800	9.1	73.6	80.6	85.4	88.2	88.2	89.0	89.1	89.1	89.2	89.4	89.4	89.4	89.4	89.6	89.6
>= 700	9.1	73.8	81.0	86.0	88.9	89.0	89.9	90.0	90.0	90.1	90.3	90.3	90.3	90.3	90.5	90.5
>= 600	9.2	74.1	81.4	86.6	89.7	89.8	90.8	91.1	91.1	91.2	91.5	91.5	91.5	91.5	91.6	91.6
>= 500	9.2	74.5	82.0	87.5	90.7	90.8	92.2	92.5	92.6	92.9	93.1	93.1	93.1	93.1	93.3	93.3
>= 400	9.2	74.6	82.1	88.1	91.5	91.6	93.3	93.7	93.8	94.2	94.5	94.5	94.5	94.5	94.7	94.7
>= 300	9.2	74.6	82.4	88.4	91.9	92.3	93.9	94.5	94.6	95.4	95.6	95.6	95.6	95.6	95.8	95.8
>= 200	9.2	74.7	82.5	88.6	92.1	92.4	94.4	94.9	95.0	96.1	96.5	96.5	96.5	96.5	96.8	96.8
>= 100	9.2	74.7	82.5	88.6	92.1	92.4	94.4	95.0	95.1	96.3	96.9	96.9	97.5	97.5	98.3	98.5
>= 0	9.2	74.7	82.5	88.6	92.1	92.4	94.4	95.0	95.1	96.4	97.0	97.0	97.6	97.6	98.8	100.0

TOTAL NO. OF OBS : 1123

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.1	41.7	48.5	52.6	55.1	55.3	56.0	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.8	57.1
>=20000	5.2	44.9	52.2	56.4	59.1	59.3	60.0	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.8	61.1
>=18000	5.2	45.0	52.3	56.5	59.2	59.4	60.1	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.9	61.2
>=16000	5.2	45.0	52.3	56.5	59.2	59.4	60.1	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.9	61.2
>=14000	5.3	45.4	52.7	56.9	59.6	59.7	60.4	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.2	61.5
>=12000	5.5	46.9	54.3	58.7	61.3	61.5	62.2	62.7	62.7	62.8	62.8	62.8	62.8	62.8	63.0	63.3
>=10000	5.7	50.0	57.6	62.1	65.1	65.3	66.0	66.4	66.5	66.6	66.6	66.6	66.7	66.7	67.0	67.2
>= 9000	5.8	50.2	57.8	62.2	65.4	65.5	66.2	66.7	66.8	66.9	66.9	66.9	67.0	67.0	67.2	67.5
>= 8000	6.0	53.9	62.1	66.7	69.9	70.1	70.9	71.3	71.4	71.5	71.5	71.5	71.6	71.6	71.9	72.1
>= 7000	6.2	54.7	62.9	67.6	70.8	71.0	71.8	72.2	72.3	72.4	72.4	72.4	72.5	72.5	72.8	73.0
>= 6000	6.3	55.4	63.6	68.2	71.4	71.6	72.4	72.9	72.9	73.0	73.0	73.0	73.1	73.1	73.4	73.7
>= 5000	6.4	56.4	64.7	69.6	72.9	73.1	73.9	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.9	75.2
>= 4500	6.6	56.8	65.1	70.0	73.3	73.6	74.4	74.8	74.9	75.0	75.0	75.0	75.1	75.1	75.4	75.6
>= 4000	6.7	58.0	66.7	71.6	74.9	75.2	76.0	76.4	76.5	76.6	76.6	76.6	76.7	76.7	77.0	77.2
>= 3500	6.8	58.3	67.0	72.1	75.4	75.6	76.4	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.4	77.7
>= 3000	6.9	60.3	69.2	74.8	78.1	78.4	79.2	79.7	79.8	79.9	79.9	79.9	80.0	80.0	80.3	80.5
>= 2500	6.9	61.2	70.4	76.0	79.4	79.8	80.6	81.2	81.3	81.3	81.3	81.3	81.4	81.4	81.7	82.0
>= 2000	6.9	61.8	71.2	77.0	80.5	81.0	81.9	82.4	82.5	82.6	82.6	82.6	82.7	82.7	82.9	83.2
>= 1800	7.0	62.0	71.6	77.4	81.0	81.4	82.3	82.9	82.9	83.0	83.0	83.0	83.1	83.1	83.4	83.7
>= 1500	7.0	62.9	72.9	79.0	82.7	83.1	84.1	84.6	84.7	84.8	84.9	84.9	85.0	85.0	85.3	85.5
>= 1200	7.0	63.4	73.7	80.1	83.7	84.2	85.2	85.7	85.8	85.9	86.0	86.0	86.1	86.1	86.3	86.6
>= 1000	7.0	64.3	74.8	81.3	85.0	85.4	86.4	87.0	87.1	87.2	87.3	87.3	87.4	87.4	87.7	87.9
>= 900	7.0	64.6	75.2	81.8	85.4	85.9	87.0	87.5	87.6	87.8	87.9	87.9	87.9	87.9	88.2	88.5
>= 800	7.0	64.8	75.5	82.2	85.9	86.3	87.4	87.9	88.0	88.2	88.3	88.3	88.4	88.4	88.7	88.9
>= 700	7.0	65.1	75.8	82.6	86.3	87.0	88.3	88.8	88.9	89.1	89.2	89.2	89.3	89.3	89.6	89.8
>= 600	7.0	65.2	76.1	83.0	87.1	87.7	89.1	89.6	89.7	90.1	90.2	90.2	90.3	90.3	90.5	90.8
>= 500	7.0	65.4	76.6	83.7	88.1	88.8	90.5	91.2	91.3	91.7	91.8	91.8	91.9	91.9	92.1	92.4
>= 400	7.0	65.6	77.0	84.3	89.0	89.8	91.5	92.3	92.4	93.0	93.2	93.2	93.3	93.3	93.6	93.8
>= 300	7.0	65.7	77.1	84.6	89.5	90.4	92.2	93.1	93.2	93.8	94.1	94.1	94.2	94.2	94.5	94.7
>= 200	7.0	65.7	77.1	84.7	89.7	90.6	92.9	94.3	94.5	95.4	95.7	95.7	96.0	96.0	96.2	96.5
>= 100	7.0	65.7	77.1	84.7	89.8	90.7	93.0	94.4	94.6	95.7	96.1	96.2	96.7	96.8	97.3	97.9
>= 0	7.0	65.7	77.1	84.7	89.8	90.7	93.0	94.4	94.6	95.7	96.1	96.2	96.7	96.9	97.7	100.0

TOTAL NO. OF OBS : 1120

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.1	37.2	44.0	46.1	48.3	48.8	49.4	49.5	49.5	49.8	49.9	49.9	50.0	50.0	50.0	50.0
>=20000	7.3	41.1	48.3	50.5	53.2	53.7	54.4	54.5	54.5	54.8	54.9	54.9	54.9	54.9	54.9	54.9
>=18000	7.3	41.1	48.4	50.6	53.3	53.8	54.4	54.6	54.6	54.9	54.9	54.9	55.0	55.0	55.0	55.0
>=16000	7.3	41.1	48.4	50.6	53.3	53.8	54.4	54.6	54.6	54.9	54.9	54.9	55.0	55.0	55.0	55.0
>=14000	7.4	41.6	49.0	51.2	53.9	54.4	55.1	55.3	55.3	55.5	55.6	55.6	55.7	55.7	55.7	55.7
>=12000	7.7	42.7	50.4	52.6	55.3	55.8	56.5	56.7	56.7	56.9	57.0	57.0	57.1	57.1	57.1	57.1
>=10000	8.0	46.7	54.9	57.7	60.6	61.2	62.2	62.3	62.3	62.6	62.7	62.7	62.8	62.8	62.8	62.8
>= 9000	8.0	47.0	55.3	58.0	60.9	61.5	62.5	62.7	62.7	62.9	63.0	63.0	63.1	63.1	63.1	63.1
>= 8000	8.5	51.4	60.0	63.2	66.3	66.9	68.1	68.3	68.3	68.6	68.7	68.7	68.8	68.8	68.8	68.8
>= 7000	8.5	52.4	61.2	64.4	67.6	68.2	69.3	69.6	69.6	69.8	70.0	70.0	70.1	70.1	70.1	70.1
>= 6000	8.5	52.7	61.8	65.1	68.4	69.0	70.2	70.5	70.5	70.7	70.9	70.9	71.0	71.0	71.0	71.0
>= 5000	8.6	53.8	63.3	66.7	70.1	70.7	71.9	72.2	72.2	72.4	72.6	72.6	72.7	72.7	72.7	72.7
>= 4500	8.6	54.2	63.9	67.2	70.8	71.4	72.7	72.9	72.9	73.2	73.3	73.3	73.4	73.4	73.4	73.4
>= 4000	8.9	55.7	65.5	69.0	72.7	73.4	74.7	75.0	75.0	75.3	75.5	75.5	75.6	75.6	75.6	75.6
>= 3500	8.9	56.1	66.1	69.7	73.3	74.1	75.4	75.6	75.6	76.0	76.1	76.1	76.2	76.2	76.2	76.2
>= 3000	9.0	57.1	67.5	71.3	75.2	76.1	77.5	77.7	77.7	78.1	78.2	78.2	78.3	78.3	78.3	78.3
>= 2500	9.0	57.6	68.2	72.4	76.4	77.4	79.0	79.2	79.2	79.6	79.7	79.7	79.8	79.8	79.8	79.8
>= 2000	9.2	58.7	69.5	74.0	78.3	79.3	80.9	81.1	81.1	81.5	81.6	81.6	81.7	81.7	81.7	81.7
>= 1800	9.2	58.7	69.5	74.1	78.5	79.5	81.0	81.3	81.3	81.6	81.8	81.8	81.9	81.9	81.9	81.9
>= 1500	9.4	59.9	71.2	76.0	80.4	81.5	83.1	83.5	83.5	84.0	84.1	84.1	84.3	84.3	84.3	84.3
>= 1200	9.4	60.9	72.6	77.6	82.2	83.4	85.2	85.7	85.7	86.1	86.3	86.3	86.5	86.5	86.5	86.5
>= 1000	9.5	62.1	73.7	78.9	83.5	84.9	86.8	87.3	87.3	87.7	87.9	87.9	88.0	88.0	88.1	88.1
>= 900	9.5	62.2	74.0	79.2	83.9	85.4	87.3	87.8	87.8	88.3	88.4	88.4	88.6	88.6	88.7	88.7
>= 800	9.5	63.0	75.1	80.4	85.2	86.8	88.9	89.4	89.4	89.9	90.2	90.2	90.4	90.4	90.4	90.4
>= 700	9.5	63.3	75.4	81.0	86.0	87.6	90.0	90.5	90.6	91.2	91.4	91.4	91.6	91.6	91.7	91.7
>= 600	9.5	63.6	75.6	81.4	86.5	88.1	90.5	91.4	91.4	92.0	92.3	92.3	92.4	92.4	92.5	92.5
>= 500	9.5	63.7	75.9	81.9	87.3	89.0	91.8	92.8	92.9	93.8	94.2	94.2	94.3	94.3	94.4	94.4
>= 400	9.5	63.8	76.0	82.2	87.7	89.5	92.4	93.7	93.9	94.9	95.4	95.4	95.6	95.6	95.7	95.7
>= 300	9.5	63.8	76.0	82.2	87.8	89.8	92.9	94.3	94.6	95.9	96.6	96.6	96.8	96.8	96.8	96.8
>= 200	9.5	63.8	76.0	82.3	87.9	89.9	93.0	94.6	94.9	96.4	97.3	97.3	97.6	97.7	98.0	98.1
>= 100	9.5	63.8	76.0	82.3	87.9	89.9	93.0	94.6	94.9	96.8	97.7	97.8	98.2	98.3	98.9	99.6
>= 0	9.5	63.8	76.0	82.3	87.9	89.9	93.0	94.6	94.9	96.8	97.7	97.8	98.3	98.3	99.1	100.0

TOTAL NO. OF OBS : 1203

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	11.4	50.3	52.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
>=20000	11.5	53.8	56.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5
>=18000	11.5	54.3	56.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1
>=16000	11.5	54.3	56.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1
>=14000	11.6	54.9	57.3	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7
>=12000	11.7	55.9	58.3	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8
>=10000	12.0	58.9	61.6	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4
>= 9000	12.0	59.4	62.1	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9
>= 8000	12.2	62.2	65.3	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
>= 7000	12.2	63.1	66.4	68.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0
>= 6000	12.5	63.7	67.1	68.9	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
>= 5000	12.6	65.0	68.6	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
>= 4500	12.6	65.3	69.0	71.0	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
>= 4000	12.9	66.8	70.6	72.6	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.6
>= 3500	13.0	67.5	71.5	73.6	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6
>= 3000	13.3	69.5	74.0	76.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4
>= 2500	13.5	71.1	75.8	78.3	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8
>= 2000	13.9	72.9	77.8	80.5	82.0	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
>= 1800	14.0	73.2	78.2	80.9	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8
>= 1500	14.5	76.2	81.5	84.4	86.2	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
>= 1200	14.7	77.7	83.3	86.4	88.1	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	89.0
>= 1000	14.7	78.8	84.8	88.0	90.1	90.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1
>= 900	14.7	79.3	85.4	88.9	91.2	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.3
>= 800	14.7	79.5	86.0	89.6	92.1	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.3
>= 700	14.7	79.8	86.2	90.1	92.6	93.0	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.3
>= 600	14.7	79.9	86.8	90.9	93.7	94.4	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8	96.0
>= 500	14.7	80.0	87.0	91.4	94.6	95.7	96.6	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.5	97.7
>= 400	14.7	80.1	87.2	91.6	95.0	96.0	97.0	97.7	97.8	98.2	98.5	98.5	98.5	98.5	98.6	98.7
>= 300	14.8	80.2	87.3	91.7	95.1	96.2	97.4	98.2	98.4	98.8	99.2	99.2	99.3	99.3	99.4	99.6
>= 200	14.8	80.2	87.3	91.7	95.1	96.2	97.6	98.5	98.7	99.1	99.5	99.5	99.6	99.6	99.7	99.8
>= 100	14.8	80.2	87.3	91.7	95.1	96.2	97.6	98.6	98.7	99.2	99.7	99.7	99.7	99.7	99.8	100.0
>= 0	14.8	80.2	87.3	91.7	95.1	96.2	97.6	98.6	98.7	99.2	99.7	99.7	99.7	99.7	99.8	100.0

TOTAL NO. OF OBS : 1196

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	12.2	47.4	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
>=20000	12.5	53.8	55.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
>=18000	12.5	54.1	56.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
>=16000	12.5	54.1	56.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
>=14000	12.5	54.7	56.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
>=12000	12.5	55.9	58.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
>=10000	12.6	58.1	60.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
>= 9000	12.7	58.5	61.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
>= 8000	12.7	61.3	64.2	65.5	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9
>= 7000	12.8	62.2	65.1	66.4	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8
>= 6000	12.9	62.7	65.7	67.0	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4
>= 5000	13.1	64.3	67.5	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1
>= 4500	13.2	64.6	67.7	69.1	69.4	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
>= 4000	13.5	66.4	69.9	71.3	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9
>= 3500	14.5	68.5	72.0	73.4	73.7	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0
>= 3000	15.1	72.4	76.1	77.7	78.2	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
>= 2500	15.6	75.4	79.6	81.2	81.7	82.0	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
>= 2000	15.7	78.0	82.3	84.2	84.9	85.2	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6
>= 1800	15.7	78.3	82.7	84.6	85.4	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1
>= 1500	15.7	80.0	85.1	87.2	88.3	88.6	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2
>= 1200	15.9	81.2	86.7	89.2	90.3	90.6	90.9	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3
>= 1000	16.1	82.0	87.8	90.7	92.0	92.3	92.7	93.0	93.1	93.2	93.2	93.2	93.3	93.4	93.4	93.4
>= 900	16.1	82.0	87.9	90.8	92.2	92.4	92.9	93.3	93.4	93.4	93.5	93.5	93.6	93.7	93.7	93.7
>= 800	16.1	82.1	88.1	91.3	92.8	93.2	93.7	94.0	94.1	94.2	94.4	94.4	94.4	94.5	94.5	94.6
>= 700	16.1	82.3	88.4	91.8	93.4	93.9	94.5	95.1	95.2	95.4	95.5	95.5	95.7	95.8	95.8	95.9
>= 600	16.1	82.4	88.6	92.2	93.9	94.4	95.4	96.2	96.3	96.5	96.6	96.6	96.9	97.0	97.0	97.1
>= 500	16.1	82.7	88.9	92.8	94.7	95.3	96.5	97.6	97.7	98.0	98.3	98.3	98.6	98.7	98.7	98.7
>= 400	16.1	82.8	89.0	93.1	95.1	96.0	97.1	98.4	98.6	98.8	99.2	99.2	99.5	99.6	99.6	99.7
>= 300	16.1	82.8	89.0	93.2	95.2	96.0	97.2	98.5	98.7	99.1	99.5	99.5	99.7	99.8	99.8	99.9
>= 200	16.1	82.8	89.0	93.2	95.3	96.1	97.3	98.6	98.7	99.2	99.6	99.6	99.8	99.9	99.9	100.0
>= 100	16.1	82.8	89.0	93.2	95.3	96.1	97.3	98.6	98.7	99.2	99.6	99.6	99.8	99.9	99.9	100.0
>= 0	16.1	82.8	89.0	93.2	95.3	96.1	97.3	98.6	98.7	99.2	99.6	99.6	99.8	99.9	99.9	100.0

TOTAL NO. OF OBS : 1189

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	11.5	48.4	50.0	51.0	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4
>=20000	11.9	54.6	56.8	57.9	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
>=18000	11.9	54.8	57.0	58.1	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6
>=16000	12.0	55.0	57.3	58.4	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8
>=14000	12.1	55.7	57.9	59.1	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5
>=12000	12.3	56.7	59.1	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
>=10000	12.9	60.1	62.8	64.0	64.4	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6
>= 9000	12.9	60.6	63.4	64.6	65.0	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
>= 8000	13.1	64.4	67.8	69.2	69.7	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9
>= 7000	13.3	65.4	69.0	70.5	71.0	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
>= 6000	13.3	65.6	69.2	70.7	71.2	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
>= 5000	13.5	66.6	70.5	72.0	72.6	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
>= 4500	13.6	66.7	70.6	72.4	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
>= 4000	13.7	68.7	72.7	74.7	75.3	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
>= 3500	14.1	70.3	74.5	76.5	77.1	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
>= 3000	14.3	73.8	78.9	81.1	81.8	81.8	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1
>= 2500	14.4	76.0	81.3	83.7	84.6	84.8	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
>= 2000	14.5	77.1	82.7	85.4	86.4	86.6	86.7	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
>= 1800	14.5	77.2	82.9	85.7	86.6	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
>= 1500	14.6	78.5	84.6	87.7	88.7	89.1	89.3	89.4	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7
>= 1200	14.6	79.0	85.6	88.8	89.8	90.2	90.4	90.5	90.5	90.7	90.9	90.9	91.0	91.0	91.0	91.0
>= 1000	14.6	79.7	86.5	89.9	91.1	91.5	91.8	91.9	91.9	92.1	92.3	92.3	92.4	92.4	92.4	92.4
>= 900	14.6	79.8	86.8	90.3	91.7	92.3	92.9	93.0	93.0	93.2	93.4	93.4	93.5	93.5	93.5	93.5
>= 800	14.6	80.2	87.3	91.0	92.5	93.0	93.9	94.3	94.3	94.4	94.6	94.6	94.7	94.7	94.7	94.7
>= 700	14.6	80.5	87.8	91.5	93.2	93.8	94.8	95.2	95.2	95.4	95.6	95.6	95.7	95.7	95.7	95.7
>= 600	14.6	80.6	88.0	91.7	93.7	94.4	95.3	96.0	96.0	96.2	96.5	96.5	96.6	96.6	96.6	96.6
>= 500	14.6	80.6	88.0	91.7	94.2	95.1	96.4	97.2	97.2	97.7	98.3	98.3	98.3	98.3	98.3	98.3
>= 400	14.6	80.8	88.2	91.9	94.6	95.7	96.9	97.8	97.8	98.4	99.0	99.0	99.1	99.1	99.1	99.1
>= 300	14.6	80.8	88.2	91.9	94.9	95.9	97.2	98.3	98.3	99.1	99.7	99.7	99.8	99.8	99.8	99.8
>= 200	14.6	80.8	88.2	91.9	94.9	95.9	97.2	98.3	98.3	99.1	99.8	99.8	99.9	99.9	99.9	99.9
>= 100	14.6	80.8	88.2	91.9	94.9	95.9	97.2	98.3	98.3	99.1	99.8	99.8	99.9	100.0	100.0	100.0
>= 0	14.6	80.8	88.2	91.9	94.9	95.9	97.2	98.3	98.3	99.1	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NO. OF OBS : 1151

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.1	46.2	49.5	52.4	53.3	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
>=20000	8.2	52.8	57.3	60.3	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
>=18000	8.3	52.9	57.5	60.5	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
>=16000	8.3	53.1	57.7	60.6	61.8	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
>=14000	8.3	53.9	58.4	61.4	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
>=12000	8.5	56.1	60.9	64.0	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
>=10000	8.8	58.7	63.9	67.2	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
>= 9000	8.8	58.7	63.9	67.2	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
>= 8000	8.9	63.1	68.8	72.4	73.9	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
>= 7000	9.1	64.2	70.1	73.8	75.4	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
>= 6000	9.4	65.0	71.1	74.8	76.4	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
>= 5000	9.4	66.1	72.5	76.5	78.2	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
>= 4500	9.4	66.3	72.8	76.9	78.5	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
>= 4000	9.5	67.5	74.3	78.8	80.7	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
>= 3500	9.5	68.0	74.9	79.4	81.5	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
>= 3000	9.7	69.8	77.1	82.6	84.7	84.9	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
>= 2500	9.7	70.7	78.3	83.9	86.2	86.4	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
>= 2000	9.7	71.4	79.1	85.0	87.4	87.6	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
>= 1800	9.7	71.5	79.2	85.0	87.6	87.8	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
>= 1500	9.7	72.0	79.9	85.8	88.3	88.6	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
>= 1200	9.7	72.7	80.6	86.6	89.4	89.6	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
>= 1000	9.7	72.9	81.0	87.3	90.5	90.7	91.4	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
>= 900	9.7	73.1	81.2	87.8	90.9	91.2	91.8	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
>= 800	9.7	73.1	81.2	87.8	90.9	91.2	91.9	92.6	92.6	92.8	92.8	92.8	92.9	92.9	92.9	92.9
>= 700	9.7	73.2	81.4	88.1	91.3	91.6	92.5	93.1	93.1	93.3	93.4	93.4	93.5	93.5	93.5	93.5
>= 600	9.7	73.4	81.7	88.5	92.2	92.5	93.8	94.4	94.4	94.8	94.9	94.9	95.0	95.0	95.0	95.0
>= 500	9.7	73.4	81.7	88.7	92.8	93.1	94.8	95.5	95.5	95.9	96.0	96.0	96.1	96.1	96.1	96.1
>= 400	9.7	73.4	81.7	88.9	93.4	93.7	95.6	96.3	96.4	96.9	97.0	97.0	97.1	97.1	97.1	97.1
>= 300	9.7	73.5	81.9	89.1	93.7	93.9	96.1	97.0	97.1	97.7	98.0	98.0	98.2	98.2	98.2	98.2
>= 200	9.7	73.5	81.9	89.2	93.9	94.1	96.2	97.2	97.2	98.0	98.4	98.5	98.9	98.9	99.0	99.0
>= 100	9.7	73.5	81.9	89.2	93.9	94.1	96.2	97.3	97.4	98.2	98.6	98.7	99.2	99.2	99.4	99.5
>= 0	9.7	73.5	81.9	89.2	93.9	94.1	96.2	97.3	97.4	98.2	98.6	98.7	99.3	99.3	99.7	100.0

TOTAL NO. OF OBS : 1090

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.3	51.8	55.8	58.1	59.0	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4
>=20000	8.5	55.0	59.7	61.9	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4
>=18000	8.5	55.0	59.7	61.9	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4
>=16000	8.5	55.1	59.7	62.0	63.1	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5
>=14000	8.6	55.7	60.4	62.6	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1
>=12000	8.7	57.2	62.0	64.2	65.4	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
>=10000	9.1	61.4	66.7	69.1	70.5	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
>= 9000	9.2	61.7	67.1	69.5	70.8	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2
>= 8000	9.4	65.6	71.6	74.6	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4
>= 7000	9.5	66.3	72.4	75.3	76.7	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1
>= 6000	9.6	67.0	73.1	76.0	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8
>= 5000	9.7	67.8	74.2	77.3	78.7	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1
>= 4500	9.7	68.2	74.6	77.7	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5
>= 4000	10.0	69.1	75.9	79.2	80.6	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
>= 3500	10.0	69.6	76.7	80.0	81.5	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
>= 3000	10.0	70.9	78.3	81.8	83.6	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2
>= 2500	10.0	71.7	79.5	83.3	85.2	85.3	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7
>= 2000	10.1	73.0	80.9	85.0	86.9	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5
>= 1800	10.1	73.1	81.0	85.1	87.0	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.6
>= 1500	10.1	73.6	81.9	86.0	88.1	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
>= 1200	10.2	74.1	82.6	86.9	89.0	89.2	89.5	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.8	89.8
>= 1000	10.2	74.5	83.2	87.6	89.9	90.1	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.7	90.7
>= 900	10.2	74.7	83.5	88.2	90.5	90.7	91.1	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.4
>= 800	10.2	75.0	83.9	89.0	91.3	91.5	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.2	92.2
>= 700	10.2	75.0	84.1	89.3	91.6	91.9	92.3	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.8	92.8
>= 600	10.2	75.1	84.3	89.7	92.3	92.6	93.3	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6
>= 500	10.2	75.4	84.9	90.4	93.4	93.6	94.5	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.9	94.9
>= 400	10.2	75.6	85.2	90.8	94.2	94.5	95.3	95.7	95.7	95.8	96.0	96.0	96.0	96.0	96.1	96.1
>= 300	10.2	75.6	85.2	91.1	94.7	95.0	96.2	96.7	96.8	97.0	97.1	97.1	97.1	97.1	97.2	97.2
>= 200	10.2	75.6	85.2	91.2	94.8	95.2	96.5	97.1	97.2	97.7	97.9	97.9	97.9	97.9	98.0	98.0
>= 100	10.2	75.6	85.2	91.2	94.8	95.2	96.7	97.3	97.4	97.9	98.1	98.1	98.3	98.5	98.8	98.9
>= 0	10.2	75.6	85.2	91.2	94.8	95.2	96.7	97.3	97.4	97.9	98.1	98.1	98.4	98.6	99.2	100.0

TOTAL NO. OF OBS : 1118

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.9	46.6	50.4	52.5	53.6	53.7	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.2	54.2
>=20000	9.1	51.2	55.5	57.7	58.9	59.0	59.3	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.6
>=18000	9.2	51.4	55.7	57.9	59.1	59.2	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7
>=16000	9.2	51.4	55.7	57.9	59.2	59.3	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.8	59.8
>=14000	9.2	52.0	56.4	58.5	59.8	59.9	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.4
>=12000	9.4	53.4	57.8	60.1	61.3	61.4	61.7	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.0
>=10000	9.7	56.6	61.4	63.8	65.1	65.3	65.6	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.9
>= 9000	9.7	56.9	61.7	64.2	65.5	65.7	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.3
>= 8000	9.9	60.5	65.8	68.5	70.0	70.2	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.9
>= 7000	10.1	61.5	66.9	69.7	71.2	71.4	71.7	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.1
>= 6000	10.2	62.0	67.5	70.3	71.9	72.0	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.7	72.7
>= 5000	10.3	63.2	69.0	71.8	73.5	73.6	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.3	74.3
>= 4500	10.4	63.5	69.3	72.2	73.9	74.1	74.4	74.5	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.8
>= 4000	10.6	64.9	71.0	74.1	75.8	76.0	76.4	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.7	76.8
>= 3500	10.8	65.7	71.9	75.1	76.8	77.0	77.4	77.5	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77.8
>= 3000	11.0	67.9	74.5	78.0	79.9	80.1	80.5	80.7	80.7	80.8	80.8	80.8	80.9	80.9	80.9	81.0
>= 2500	11.1	69.2	76.1	79.8	81.8	82.1	82.6	82.8	82.8	82.9	82.9	82.9	82.9	82.9	83.0	83.0
>= 2000	11.2	70.5	77.6	81.6	83.8	84.1	84.6	84.8	84.8	84.9	84.9	84.9	84.9	84.9	85.0	85.0
>= 1800	11.2	70.7	77.8	81.8	84.0	84.4	84.9	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.3	85.3
>= 1500	11.3	71.9	79.5	83.6	86.0	86.4	86.9	87.1	87.1	87.2	87.3	87.3	87.3	87.4	87.4	87.5
>= 1200	11.4	72.7	80.6	84.9	87.3	87.7	88.4	88.6	88.6	88.7	88.8	88.8	88.9	88.9	88.9	89.0
>= 1000	11.4	73.5	81.5	86.1	88.7	89.1	89.9	90.1	90.2	90.3	90.4	90.4	90.4	90.4	90.5	90.6
>= 900	11.4	73.7	81.8	86.5	89.2	89.7	90.5	90.8	90.8	91.0	91.1	91.1	91.1	91.1	91.2	91.3
>= 800	11.4	73.9	82.2	87.1	89.9	90.4	91.3	91.6	91.6	91.8	91.9	91.9	92.0	92.0	92.0	92.1
>= 700	11.4	74.2	82.5	87.6	90.4	91.0	92.1	92.5	92.5	92.7	92.8	92.8	92.9	92.9	93.0	93.0
>= 600	11.4	74.3	82.9	88.0	91.1	91.8	92.9	93.5	93.5	93.8	93.9	93.9	94.0	94.0	94.1	94.2
>= 500	11.4	74.5	83.2	88.5	92.0	92.7	94.2	94.9	94.9	95.3	95.5	95.5	95.6	95.6	95.7	95.8
>= 400	11.4	74.6	83.3	88.9	92.6	93.4	94.9	95.7	95.8	96.3	96.6	96.6	96.7	96.7	96.8	96.9
>= 300	11.4	74.6	83.4	89.0	92.8	93.7	95.4	96.3	96.5	97.1	97.5	97.5	97.6	97.6	97.7	97.8
>= 200	11.4	74.7	83.4	89.1	92.9	93.8	95.7	96.7	96.8	97.6	98.1	98.1	98.3	98.3	98.5	98.5
>= 100	11.4	74.7	83.4	89.1	92.9	93.8	95.7	96.8	96.9	97.8	98.3	98.4	98.7	98.7	99.1	99.3
>= 0	11.4	74.7	83.4	89.1	92.9	93.8	95.7	96.8	96.9	97.8	98.3	98.4	98.7	98.8	99.3	100.0

TOTAL NO. OF OBS : 9190

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUN
CLASS : ALL WEATHER HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.6	.7	1.1	.4	.1	.0	.0	.0	.0	.0	.0	3.0	7.0
NNE	.5	.6	.5	.3	.1	.0	.0	.1	.0	.0	.0	2.2	8.1
NE	.4	.8	.8	.3	.3	.0	.0	.0	.0	.0	.0	2.6	7.7
ENE	.8	1.3	.8	.4	.1	.0	.0	.0	.0	.0	.0	3.5	6.6
E	1.8	1.2	.4	.1	.0	.0	.0	.0	.0	.0	.0	3.4	3.8
ESE	1.5	.8	.8	.2	.0	.0	.0	.0	.0	.0	.0	3.3	4.8
SE	1.3	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	2.5	3.5
SSE	1.8	1.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.7
S	3.7	4.9	1.4	.3	.0	.0	.0	.0	.0	.0	.0	10.3	4.8
SSW	1.9	4.9	5.4	.4	.1	.1	.0	.0	.0	.0	.0	12.9	6.7
SW	4.5	5.6	4.9	1.5	.0	.0	.0	.0	.0	.0	.0	16.5	5.9
WSW	2.2	2.8	2.0	.3	.0	.0	.0	.0	.0	.0	.0	7.2	5.2
W	1.1	1.8	.9	.1	.0	.0	.0	.0	.0	.0	.0	3.9	5.1
WNW	.5	.6	.6	.1	.0	.1	.0	.0	.0	.0	.0	2.0	6.0
NW	.2	.7	.2	.3	.0	.0	.0	.0	.0	.0	.0	1.3	6.9
NNW	.4	.8	.7	.4	.1	.0	.0	.0	.0	.0	.0	2.3	7.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.8	.0
ALL	23.2	29.9	21.0	5.1	.7	.2	.0	.1	.0	.0	.0	100.0	4.6

TOTAL NO. OF OBS : 1112

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUN
CLASS : ALL WEATHER HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.0	.8	.9	.4	.0	.0	.0	.0	.0	.0	.0	3.1	6.0
NNE	.4	1.4	1.0	.6	.3	.0	.0	.1	.0	.0	.0	3.9	8.4
NE	.8	1.4	1.3	.8	.0	.0	.0	.0	.0	.0	.0	4.4	6.7
ENE	.7	.8	.3	.1	.2	.0	.0	.0	.0	.0	.0	2.1	6.0
E	.8	.9	.4	.4	.0	.0	.0	.0	.0	.0	.0	2.5	5.6
ESE	1.0	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	2.0	4.4
SE	1.6	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	2.6	3.6
SSE	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.4
S	2.5	3.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	6.4	4.2
SSW	2.2	5.6	3.4	.4	.0	.0	.0	.0	.0	.0	.0	11.7	5.8
SW	5.2	6.2	4.5	1.1	.1	.0	.0	.0	.0	.0	.0	17.1	5.5
WSW	2.5	3.8	2.7	.4	.0	.0	.0	.0	.0	.0	.0	9.4	5.4
W	2.1	2.2	1.0	.1	.0	.0	.0	.0	.0	.0	.0	5.4	4.6
WNW	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	1.3	6.9
NW	.8	.4	.5	.3	.0	.0	.0	.0	.0	.0	.0	2.0	6.1
NNW	.4	.6	1.0	.4	.0	.0	.0	.0	.0	.0	.0	2.4	7.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.9	.0
ALL	23.4	30.0	18.[illegible]	5.6	.5	.0	.0	.1	.0	.0	.0	100.0	4.3

TOTAL NO. OF OBS : 1112

NOTES :
* = PERCENT < .05

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUN
CLASS : ALL WEATHER HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.8	1.2	2.1	.7	.2	.0	.0	.0	.0	.0	.0	4.9	7.7
NNE	.3	2.0	2.3	.7	.6	.1	.1	.0	.0	.0	.0	6.1	8.9
NE	.4	1.7	1.3	1.2	.1	.0	.0	.0	.0	.0	.0	4.7	8.1
ENE	.4	1.5	1.0	.8	.1	.0	.0	.0	.0	.0	.0	3.8	7.4
E	.8	1.5	1.3	.2	.2	.0	.0	.0	.0	.0	.0	4.0	6.1
ESE	.5	.8	.8	.4	.1	.0	.0	.0	.0	.0	.0	2.7	7.3
SE	.8	1.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	2.7	4.8
SSE	.6	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.9	4.4
S	1.4	2.2	1.0	.1	.0	.0	.0	.0	.0	.0	.0	4.7	5.0
SSW	1.5	2.7	3.4	.8	.0	.0	.0	.0	.0	.0	.0	8.4	6.6
SW	2.5	5.7	7.3	2.5	.2	.0	.0	.0	.0	.0	.0	18.1	7.2
WSW	1.1	4.1	4.2	1.3	.0	.0	.0	.0	.0	.0	.0	10.6	6.9
W	2.7	2.6	1.8	.4	.0	.0	.0	.0	.0	.0	.0	7.5	5.1
WNW	.8	1.3	.9	.3	.0	.0	.0	.0	.0	.0	.0	3.3	6.3
NW	.8	1.4	.9	.5	.0	.0	.0	.0	.0	.0	.0	3.6	6.4
NNW	.1	1.1	1.3	.7	.0	.0	.0	.0	.0	.0	.0	3.1	8.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0
ALL	15.5	32.3	30.1	10.6	1.3	.1	.1	.0	.0	.0	.0	100.0	6.1

TOTAL NO. OF OBS : 1199

NOTES :
* = PERCENT < .05

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUN
CLASS : ALL WEATHER HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.8	1.4	2.8	1.3	.0	.1	.0	.0	.0	.0	.0	6.3	7.8
NNE	.3	.8	1.6	1.3	.3	.1	.0	.0	.0	.0	.0	4.3	10.0
NE	.3	2.8	3.8	1.4	.6	.0	.0	.0	.0	.0	.0	8.8	8.6
ENE	.6	2.3	2.1	.9	.3	.0	.0	.0	.0	.0	.0	6.1	7.7
E	.8	3.7	1.6	.7	.2	.0	.0	.0	.0	.0	.0	6.9	6.5
ESE	.8	1.2	2.3	.5	.0	.0	.0	.0	.0	.0	.0	4.7	6.9
SE	.8	1.2	1.3	.6	.2	.0	.0	.0	.0	.0	.0	4.0	7.4
SSE	.4	.8	.8	.2	.1	.0	.0	.0	.0	.0	.0	2.3	6.4
S	.9	1.8	1.7	.3	.0	.0	.0	.0	.0	.0	.0	4.7	6.4
SSW	.7	3.0	3.3	1.0	.1	.0	.0	.0	.0	.0	.0	8.1	7.4
SW	.7	2.2	5.4	3.7	.1	.0	.0	.0	.0	.0	.0	12.0	9.0
WSW	.8	2.3	4.7	1.8	.2	.0	.0	.0	.0	.0	.0	9.8	8.1
W	.6	2.0	2.1	.4	.2	.0	.0	.0	.0	.0	.0	5.3	7.0
WNW	.5	1.2	1.4	.8	.0	.0	.0	.0	.0	.0	.0	3.8	7.7
NW	.4	1.6	1.9	.8	.2	.0	.0	.0	.0	.0	.0	4.8	7.9
NNW	.2	2.3	2.1	1.7	.1	.0	.0	.0	.0	.0	.0	6.3	8.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0
ALL	9.3	30.4	38.7	17.3	2.3	.2	.0	.0	.0	.0	.0	100.0	7.7

TOTAL NO. OF OBS : 1199

NOTES :
* = PERCENT < .05

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUN
CLASS : ALL WEATHER HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.3	1.8	2.5	1.4	.2	.1	.0	.0	.0	.0	.0	6.3	8.7
NNE	.2	1.3	1.3	1.3	.3	.0	.0	.0	.0	.0	.0	4.3	9.1
NE	.2	1.4	3.8	1.4	.3	.0	.0	.0	.0	.0	.0	7.1	9.1
ENE	.4	3.6	3.5	1.4	.2	.0	.0	.0	.0	.0	.0	9.1	7.7
E	.6	4.6	5.3	1.6	.2	.0	.0	.0	.0	.0	.0	12.3	7.8
ESE	.6	2.3	4.9	1.6	.0	.0	.0	.0	.0	.0	.0	9.4	8.1
SE	.3	1.1	3.1	1.3	.3	.0	.0	.0	.0	.0	.0	6.2	9.1
SSE	.4	.8	1.6	.4	.0	.0	.0	.0	.0	.0	.0	3.3	7.4
S	.4	1.3	1.8	.5	.0	.0	.0	.0	.0	.0	.0	4.1	7.2
SSW	.3	1.5	3.8	1.6	.3	.0	.0	.0	.0	.0	.0	7.3	8.8
SW	.0	1.3	5.0	3.0	.3	.0	.0	.0	.0	.0	.0	9.6	9.6
WSW	.3	1.6	2.7	1.7	.1	.0	.0	.0	.0	.0	.0	6.3	8.5
W	.3	1.1	1.3	.5	.2	.0	.0	.0	.0	.0	.0	3.3	8.1
WNW	.3	1.1	1.1	.3	.0	.1	.0	.0	.0	.0	.0	2.8	7.7
NW	.2	.7	1.5	.7	.2	.0	.0	.0	.0	.0	.0	3.2	8.7
NNW	.3	1.2	2.5	1.1	.3	.0	.0	.0	.0	.0	.0	5.3	8.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
ALL	4.9	26.7	45.8	19.7	2.5	.2	.0	.0	.0	.0	.0	100.0	8.4

TOTAL NO. OF OBS : 1199

NOTES :
* = PERCENT < .05

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUN
CLASS : ALL WEATHER HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.1	1.3	1.9	.6	.1	.0	.0	.0	.0	.0	.0	4.0	8.2
NNE	.2	1.6	1.6	.7	.3	.0	.0	.0	.0	.0	.0	4.3	8.3
NE	.2	2.0	2.7	1.2	.3	.0	.0	.0	.0	.0	.0	6.3	8.7
ENE	.6	3.4	3.4	.7	.3	.0	.0	.0	.0	.0	.0	8.4	7.4
E	1.0	5.4	5.3	.9	.2	.0	.0	.0	.0	.0	.0	12.7	6.8
ESE	.5	3.6	6.6	1.4	.3	.0	.0	.0	.0	.0	.0	12.3	7.9
SE	.3	3.2	6.4	1.8	.8	.0	.0	.0	.0	.0	.0	12.6	8.8
SSE	.3	1.5	3.8	.6	.1	.0	.0	.0	.0	.0	.0	6.2	7.9
S	.5	1.6	2.4	.4	.0	.0	.0	.0	.0	.0	.0	4.9	7.3
SSW	.1	1.0	2.8	1.9	.1	.0	.0	.0	.0	.0	.0	5.8	9.7
SW	.0	1.2	3.5	1.6	.4	.0	.0	.0	.0	.0	.0	6.8	9.7
WSW	.1	.9	2.6	1.6	.1	.0	.0	.0	.0	.0	.0	5.3	9.3
W	.3	1.0	1.1	.7	.0	.0	.0	.0	.0	.0	.0	3.2	7.7
WNW	.3	.8	.3	.2	.0	.0	.0	.0	.0	.0	.0	1.6	6.2
NW	.1	.4	.7	.1	.0	.0	.0	.0	.0	.0	.0	1.3	7.2
NNW	.1	.9	1.6	1.0	.2	.0	.0	.0	.0	.0	.0	3.7	9.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0
ALL	4.7	29.6	46.7	15.4	3.0	.0	.0	.0	.0	.0	.0	100.0	8.1

TOTAL NO. OF OBS : 1154

NOTES :
* = PERCENT < .05

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUN
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.4	1.2	.8	.4	.0	.0	.0	.0	.0	.0	.0	2.9	6.8
NNE	.4	.5	1.3	.9	.1	.0	.0	.0	.0	.0	.0	3.3	8.7
NE	1.0	1.6	1.7	.8	.0	.0	.0	.0	.0	.0	.0	5.3	6.6
ENE	1.9	1.3	1.4	.5	.0	.0	.0	.0	.0	.0	.0	5.2	5.9
E	3.0	4.4	1.4	.3	.0	.0	.0	.0	.0	.0	.0	9.1	4.8
ESE	3.2	4.9	1.2	.4	.1	.0	.0	.0	.0	.0	.0	9.8	4.8
SE	2.6	7.0	3.9	.7	.1	.0	.0	.0	.0	.0	.0	14.3	5.8
SSE	2.9	6.4	2.8	.4	.0	.0	.0	.0	.0	.0	.0	12.6	5.4
S	2.5	5.4	3.6	.4	.0	.0	.0	.0	.0	.0	.0	12.0	5.8
SSW	.5	3.5	3.3	.7	.1	.0	.0	.0	.0	.0	.0	8.1	6.9
SW	.8	2.0	2.0	.4	.2	.0	.0	.0	.0	.0	.0	5.4	6.9
WSW	.6	1.4	.7	.1	.0	.0	.0	.0	.0	.0	.0	2.8	5.6
W	.9	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.8
WNW	.4	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	1.2	6.1
NW	.4	.1	.4	.2	.0	.0	.0	.0	.0	.0	.0	1.0	6.6
NNW	.5	.4	1.1	.3	.3	.0	.0	.0	.0	.0	.0	2.5	8.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0
ALL	22.1	41.4	26.0	6.7	.8	.0	.0	.0	.0	.0	.0	100.0	5.7

TOTAL NO. OF OBS : 1138

NOTES :
* = PERCENT < .05

013769 ; OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUN
CLASS ; ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.2	.7	.8	.3	.0	.0	.0	.0	.0	.0	.0	2.0	7.1
NNE	.2	.4	1.2	.7	.1	.0	.0	.0	.0	.0	.0	2.6	8.9
NE	1.5	1.2	1.0	.5	.0	.1	.0	.0	.0	.0	.0	4.3	6.3
ENE	1.0	1.2	.6	.4	.0	.1	.0	.0	.0	.0	.0	3.3	6.4
E	2.0	2.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	5.2	4.6
ESE	2.1	.8	.6	.4	.0	.0	.0	.0	.0	.0	.0	4.2	5.0
SE	3.2	2.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	6.3	3.9
SSE	4.1	3.0	.6	.3	.0	.0	.0	.0	.0	.0	.0	8.0	3.9
S	4.3	9.5	4.4	.4	.0	.0	.0	.0	.0	.0	.0	18.6	5.2
SSW	1.1	3.9	5.6	1.3	.0	.0	.0	.1	.0	.0	.0	12.0	7.5
SW	2.0	3.5	2.1	.6	.1	.0	.0	.0	.0	.0	.0	8.3	5.8
WSW	1.2	2.1	1.0	.1	.0	.0	.0	.0	.0	.0	.0	4.4	5.0
W	.5	.5	.8	.2	.1	.0	.0	.0	.0	.0	.0	2.1	6.7
WNW	.1	.3	.5	.2	.1	.0	.0	.0	.0	.0	.0	1.2	8.7
NW	.4	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.7
NNW	.2	.9	.5	.4	.0	.0	.0	.0	.0	.0	.0	2.0	7.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.4	.0
ALL	24.0	33.2	21.7	6.1	.4	.2	.0	.1	.0	.0	.0	100.0	4.9

TOTAL NO. OF OBS : 1125

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUN
CLASS : ALL WEATHER HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.5	1.2	1.6	.7	.1	.0*	.0	.0	.0	.0	.0	4.1	7.7
NNE	.3	1.1	1.4	.8	.2	.0*	.0*	.0*	.0	.0	.0	3.9	8.9
NE	.6	1.6	2.1	1.0	.2	.0*	.0	.0	.0	.0	.0	5.5	7.9
ENE	.8	1.9	1.7	.7	.1	.0*	.0	.0	.0	.0	.0	5.2	7.1
E	1.3	3.0	2.1	.5	.1	.0	.0	.0	.0	.0	.0	7.1	6.2
ESE	1.3	1.9	2.2	.6	.1	.0	.0	.0	.0	.0	.0	6.1	6.6
SE	1.4	2.3	2.0	.6	.2	.0	.0	.0	.0	.0	.0	6.4	6.6
SSE	1.4	2.0	1.3	.2	.0*	.0	.0	.0	.0	.0	.0	4.9	5.4
S	2.0	3.7	2.1	.3	.0	.0	.0	.0	.0	.0	.0	8.1	5.5
SSW	1.0	3.2	3.9	1.0	.1	.0*	.0	.0*	.0	.0	.0	9.2	7.2
SW	1.9	3.4	4.4	1.8	.2	.0	.0	.0	.0	.0	.0	11.7	7.2
WSW	1.1	2.4	2.6	.9	.0*	.0	.0	.0	.0	.0	.0	7.0	6.9
W	1.1	1.5	1.2	.3	.1	.0	.0	.0	.0	.0	.0	4.1	6.0
WNW	.4	.8	.7	.3	.0*	.0*	.0	.0	.0	.0	.0	2.2	7.0
NW	.4	.8	.8	.3	.0*	.0	.0	.0	.0	.0	.0	2.3	7.2
NNW	.3	1.0	1.4	.7	.1	.0	.0	.0	.0	.0	.0	3.5	8.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8	.0
ALL	15.7	31.7	31.3	11.0	1.5	.1	.0*	.0*	.0	.0	.0	100.0	6.3

TOTAL NO. OF OBS : 9238

NOTES :
* = PERCENT < .05

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUN
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.9	47.2	55.5	61.0	63.4	63.8	64.3	64.4	64.5	64.8	64.9	64.9	64.9	64.9	64.9	65.0
>=20000	6.0	49.7	58.6	64.2	66.9	67.3	67.8	67.9	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.5
>=18000	6.0	49.7	58.6	64.2	66.9	67.3	67.8	67.9	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.5
>=16000	6.0	49.7	58.6	64.2	66.9	67.3	67.8	67.9	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.5
>=14000	6.0	50.1	59.1	64.7	67.5	67.8	68.4	68.5	68.6	68.8	68.9	68.9	68.9	68.9	68.9	69.0
>=12000	6.3	51.3	60.5	66.2	68.9	69.3	69.8	69.9	70.0	70.3	70.4	70.4	70.4	70.4	70.4	70.5
>=10000	6.5	54.0	63.7	69.5	72.3	72.7	73.3	73.4	73.5	73.9	74.0	74.0	74.0	74.0	74.0	74.1
>= 9000	6.5	54.3	64.2	69.9	72.8	73.1	73.8	73.9	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.5
>= 8000	6.7	58.4	69.3	75.3	78.5	78.8	79.5	79.6	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.2
>= 7000	6.8	59.1	70.1	76.1	79.3	79.7	80.3	80.4	80.5	80.8	80.9	80.9	80.9	80.9	80.9	81.0
>= 6000	6.9	59.6	70.8	76.7	79.9	80.3	80.9	81.0	81.1	81.5	81.6	81.6	81.6	81.6	81.6	81.7
>= 5000	6.9	60.7	72.2	78.4	81.6	81.9	82.6	82.7	82.8	83.1	83.2	83.2	83.2	83.2	83.2	83.3
>= 4500	6.9	60.8	72.4	78.6	81.9	82.3	83.0	83.0	83.1	83.5	83.6	83.6	83.6	83.6	83.6	83.7
>= 4000	7.0	61.2	73.1	79.7	82.9	83.3	84.0	84.1	84.1	84.5	84.6	84.6	84.6	84.6	84.6	84.7
>= 3500	7.1	61.6	73.7	80.2	83.4	83.9	84.5	84.6	84.7	85.1	85.2	85.2	85.2	85.2	85.2	85.2
>= 3000	7.1	63.4	76.2	82.9	86.1	86.6	87.3	87.4	87.4	87.8	87.9	87.9	87.9	87.9	87.9	88.0
>= 2500	7.1	64.2	77.1	84.0	87.3	87.9	88.6	88.7	88.8	89.2	89.3	89.3	89.3	89.3	89.3	89.4
>= 2000	7.1	64.7	77.9	85.0	88.3	88.9	89.8	89.9	90.0	90.4	90.5	90.5	90.5	90.5	90.5	90.6
>= 1800	7.1	64.9	78.2	85.2	88.6	89.3	90.2	90.3	90.4	90.7	90.8	90.8	90.8	90.8	90.8	90.9
>= 1500	7.1	65.4	78.9	86.3	89.7	90.4	91.4	91.5	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.1
>= 1200	7.2	65.8	79.7	87.2	90.6	91.3	92.3	92.4	92.5	92.9	92.9	92.9	92.9	92.9	92.9	93.0
>= 1000	7.2	66.5	80.6	88.1	91.7	92.4	93.4	93.6	93.7	94.1	94.2	94.2	94.2	94.2	94.2	94.3
>= 900	7.2	66.7	80.8	88.4	92.0	92.8	93.8	94.0	94.0	94.5	94.6	94.6	94.6	94.6	94.6	94.7
>= 800	7.2	67.0	81.3	88.8	92.6	93.3	94.4	94.7	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.4
>= 700	7.2	67.2	81.8	89.4	93.2	94.0	95.1	95.3	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.1
>= 600	7.2	67.2	82.0	89.8	93.7	94.4	95.5	95.9	96.0	96.5	96.7	96.7	96.7	96.7	96.7	96.8
>= 500	7.2	67.3	82.2	90.0	94.0	94.9	96.2	96.6	96.7	97.3	97.5	97.5	97.5	97.5	97.5	97.6
>= 400	7.2	67.3	82.5	90.5	94.5	95.4	96.9	97.3	97.4	98.1	98.3	98.3	98.3	98.3	98.3	98.4
>= 300	7.2	67.3	82.6	90.6	94.6	95.6	97.2	97.6	97.7	98.4	98.5	98.5	98.5	98.5	98.5	98.6
>= 200	7.2	67.3	82.6	90.6	94.6	95.7	97.4	97.9	98.0	98.7	99.1	99.1	99.2	99.2	99.3	99.4
>= 100	7.2	67.4	82.8	90.7	94.8	95.9	97.6	98.1	98.2	98.9	99.4	99.4	99.5	99.5	99.5	99.7
>= 0	7.2	67.4	82.8	90.7	94.8	95.9	97.6	98.1	98.2	98.9	99.4	99.4	99.5	99.5	99.6	100.0

TOTAL NO. OF OBS : 1091

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUN
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	4.5	36.5	43.3	49.0	54.0	54.4	56.1	57.2	57.4	57.9	58.1	58.1	58.3	58.3	58.6	58.9
>=20000	4.5	38.9	47.1	53.7	59.2	59.7	61.6	62.7	62.9	63.4	63.6	63.6	63.8	63.8	64.1	64.4
>=18000	4.5	39.0	47.2	53.8	59.3	59.8	61.7	62.8	63.0	63.5	63.7	63.7	63.9	63.9	64.2	64.5
>=16000	4.5	39.0	47.2	53.8	59.3	59.8	61.7	62.8	63.0	63.5	63.7	63.7	63.9	63.9	64.2	64.5
>=14000	4.7	39.4	47.6	54.2	59.7	60.1	62.1	63.2	63.4	63.8	64.1	64.1	64.3	64.3	64.6	64.8
>=12000	4.8	40.4	48.9	55.6	61.2	61.6	63.5	64.6	64.8	65.3	65.6	65.6	65.7	65.7	66.0	66.3
>=10000	5.1	43.9	52.9	60.0	65.6	66.0	68.0	69.1	69.3	69.8	70.1	70.1	70.2	70.2	70.5	70.8
>= 9000	5.1	44.1	53.2	60.2	65.8	66.3	68.3	69.4	69.6	70.1	70.3	70.3	70.5	70.5	70.8	71.1
>= 8000	5.1	48.6	58.6	66.4	72.3	72.7	74.8	76.0	76.2	76.7	77.0	77.0	77.1	77.1	77.4	77.7
>= 7000	5.1	49.5	59.7	67.6	73.6	74.0	76.1	77.3	77.5	78.0	78.2	78.2	78.4	78.4	78.7	79.0
>= 6000	5.1	49.7	59.9	67.8	73.7	74.2	76.3	77.5	77.7	78.1	78.4	78.4	78.6	78.6	78.9	79.2
>= 5000	5.5	50.6	60.8	68.8	74.7	75.3	77.5	78.7	78.9	79.3	79.6	79.6	79.8	79.8	80.1	80.3
>= 4500	5.5	50.8	61.0	69.1	75.1	75.7	77.9	79.1	79.2	79.7	80.0	80.0	80.2	80.2	80.4	80.7
>= 4000	5.6	51.6	61.9	70.0	76.2	76.8	79.0	80.2	80.3	80.8	81.1	81.1	81.3	81.3	81.5	81.8
>= 3500	5.6	52.0	62.3	70.3	76.6	77.1	79.3	80.5	80.7	81.2	81.5	81.5	81.6	81.6	81.9	82.2
>= 3000	5.8	53.6	64.4	72.7	79.0	79.5	81.7	82.9	83.1	83.6	83.8	83.8	84.1	84.1	84.4	84.7
>= 2500	5.8	54.7	65.7	74.2	80.4	81.0	83.4	84.6	84.8	85.2	85.5	85.5	85.8	85.8	86.0	86.3
>= 2000	5.9	55.6	66.9	75.7	82.1	82.6	85.1	86.3	86.5	87.0	87.2	87.2	87.5	87.5	87.8	88.1
>= 1800	5.9	55.8	67.1	75.9	82.4	82.9	85.4	86.6	86.8	87.2	87.5	87.5	87.8	87.8	88.1	88.3
>= 1500	6.0	56.7	68.5	77.6	84.1	84.8	87.3	88.5	88.7	89.2	89.4	89.4	89.7	89.7	90.0	90.3
>= 1200	6.2	57.4	69.2	78.5	85.0	85.7	88.2	89.4	89.6	90.1	90.4	90.4	90.6	90.6	90.9	91.2
>= 1000	6.2	57.9	70.1	79.5	86.1	86.9	89.5	90.7	90.9	91.4	91.6	91.6	91.9	91.9	92.2	92.5
>= 900	6.2	58.0	70.2	79.9	86.6	87.3	90.0	91.3	91.5	91.9	92.2	92.2	92.5	92.5	92.7	93.0
>= 800	6.2	58.7	71.0	80.6	87.3	88.2	90.9	92.2	92.4	92.8	93.1	93.1	93.4	93.4	93.7	93.9
>= 700	6.2	58.8	71.3	81.3	88.0	88.8	91.6	92.8	93.0	93.6	93.8	93.8	94.1	94.1	94.4	94.7
>= 600	6.2	58.8	71.4	81.6	88.3	89.2	92.0	93.5	93.7	94.2	94.5	94.5	94.9	94.9	95.1	95.4
>= 500	6.2	59.0	71.7	82.0	88.7	89.5	92.6	94.2	94.4	95.0	95.3	95.3	95.7	95.7	96.0	96.2
>= 400	6.2	59.0	71.7	82.4	89.3	90.2	93.3	95.0	95.2	96.0	96.3	96.3	96.7	96.7	97.0	97.2
>= 300	6.2	59.0	71.8	82.6	89.7	90.5	93.8	95.6	95.8	96.6	97.0	97.0	97.3	97.4	97.7	98.0
>= 200	6.2	59.2	72.1	82.8	90.1	90.9	94.2	96.0	96.1	97.1	97.5	97.5	97.9	98.0	98.3	98.5
>= 100	6.2	59.2	72.1	82.8	90.1	90.9	94.4	96.1	96.3	97.3	97.8	97.8	98.3	98.3	98.6	99.1
>= 0	6.2	59.2	72.1	82.8	90.1	90.9	94.4	96.1	96.3	97.3	97.8	97.8	98.3	98.3	98.8	100.0

TOTAL NO. OF OBS : 1089

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUN
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	3.9	34.2	43.4	48.1	53.2	54.8	55.7	56.5	56.6	56.8	56.8	56.8	57.0	57.1	57.2	57.2
>=20000	4.2	36.8	46.8	51.8	57.3	59.1	60.1	61.0	61.1	61.2	61.2	61.3	61.5	61.6	61.8	61.8
>=18000	4.2	36.9	46.9	51.8	57.4	59.2	60.1	61.1	61.2	61.3	61.3	61.4	61.6	61.7	61.8	61.8
>=16000	4.2	36.9	46.9	51.8	57.4	59.2	60.1	61.1	61.2	61.3	61.3	61.4	61.6	61.7	61.8	61.8
>=14000	4.2	37.3	47.4	52.5	58.1	59.9	60.8	61.8	61.8	62.0	62.0	62.1	62.3	62.4	62.5	62.5
>=12000	4.4	39.0	49.4	54.7	60.3	62.1	63.0	64.0	64.1	64.2	64.2	64.3	64.5	64.6	64.8	64.8
>=10000	4.6	42.3	53.5	59.2	65.3	67.1	68.0	69.0	69.1	69.4	69.4	69.5	69.6	69.7	69.9	69.9
>= 9000	4.6	42.4	53.6	59.4	65.4	67.2	68.2	69.2	69.3	69.5	69.5	69.6	69.8	69.9	70.1	70.1
>= 8000	5.0	45.3	57.2	63.6	70.0	71.9	72.8	73.9	74.0	74.3	74.3	74.3	74.5	74.6	74.8	74.8
>= 7000	5.0	45.7	57.7	64.2	70.7	72.8	73.8	74.9	75.0	75.3	75.3	75.4	75.5	75.6	75.8	75.8
>= 6000	5.0	46.3	58.5	65.0	71.6	73.7	74.8	75.9	76.0	76.2	76.2	76.3	76.5	76.6	76.7	76.7
>= 5000	5.0	46.9	59.5	66.2	72.9	75.0	76.0	77.2	77.2	77.5	77.5	77.6	77.8	77.8	78.0	78.0
>= 4500	5.0	47.0	59.6	66.4	73.1	75.2	76.2	77.3	77.4	77.7	77.7	77.8	77.9	78.0	78.2	78.2
>= 4000	5.1	47.6	60.6	67.4	74.4	76.6	77.7	78.8	78.9	79.1	79.1	79.2	79.4	79.5	79.6	79.6
>= 3500	5.1	47.8	60.8	67.7	74.7	76.8	77.9	79.0	79.1	79.4	79.4	79.5	79.6	79.7	79.9	79.9
>= 3000	5.1	48.7	61.9	69.1	76.4	78.6	79.8	80.9	81.0	81.3	81.3	81.4	81.5	81.6	81.8	81.8
>= 2500	5.2	49.6	63.1	70.3	77.8	80.1	81.3	82.5	82.5	82.8	82.8	82.9	83.1	83.1	83.3	83.3
>= 2000	5.5	50.7	64.2	71.5	79.2	81.5	82.7	83.9	84.0	84.3	84.3	84.3	84.5	84.6	84.8	84.8
>= 1800	5.5	51.0	64.5	71.9	79.6	81.9	83.1	84.4	84.5	84.8	84.8	84.9	85.0	85.1	85.3	85.3
>= 1500	5.6	51.9	65.4	73.1	80.8	83.3	84.7	86.0	86.1	86.4	86.4	86.5	86.7	86.7	86.9	86.9
>= 1200	5.7	52.8	66.6	74.6	82.3	84.9	86.2	87.6	87.7	88.0	88.0	88.1	88.3	88.4	88.5	88.5
>= 1000	5.7	53.6	66.1	76.4	84.3	87.1	88.7	90.1	90.2	90.5	90.6	90.7	90.8	90.9	91.1	91.1
>= 900	5.7	53.7	68.3	76.6	84.8	87.5	89.1	90.7	90.8	91.1	91.2	91.3	91.4	91.5	91.7	91.7
>= 800	5.7	54.2	69.0	77.3	85.5	88.4	90.2	91.8	91.9	92.3	92.4	92.5	92.6	92.7	92.9	92.9
>= 700	5.7	54.5	69.5	78.0	86.4	89.3	91.3	92.9	93.0	93.4	93.5	93.6	93.8	93.8	94.0	94.0
>= 600	5.8	54.7	70.1	78.7	87.5	90.6	92.6	94.3	94.4	94.9	95.0	95.0	95.2	95.3	95.5	95.5
>= 500	5.8	55.1	70.5	79.2	88.3	91.6	93.8	95.6	95.8	96.3	96.4	96.5	96.7	96.7	96.9	96.9
>= 400	5.8	55.1	70.7	79.5	88.7	92.1	94.5	96.4	96.6	97.2	97.4	97.5	97.7	97.8	97.9	97.9
>= 300	5.8	55.1	70.8	79.7	89.0	92.6	95.0	97.0	97.3	98.0	98.4	98.5	98.9	99.0	99.1	99.1
>= 200	5.8	55.1	70.8	79.7	89.0	92.6	95.1	97.1	97.4	98.2	98.5	98.7	99.1	99.1	99.5	99.5
>= 100	5.8	55.1	70.8	79.7	89.0	92.6	95.1	97.1	97.4	98.2	98.6	98.8	99.1	99.3	99.7	99.8
>= 0	5.8	55.1	70.8	79.7	89.0	92.6	95.1	97.1	97.4	98.2	98.7	98.9	99.3	99.5	99.9	100.0

TOTAL NO. OF OBS : 1169

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUN
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.8	45.8	51.3	54.9	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
>=20000	7.1	50.2	56.7	60.9	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
>=18000	7.1	50.3	56.8	61.0	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
>=16000	7.1	50.3	56.9	61.1	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
>=14000	7.1	51.0	57.8	62.0	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
>=12000	7.4	52.4	59.5	63.7	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
>=10000	7.7	55.1	62.6	67.0	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
>= 9000	7.7	55.2	62.9	67.4	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
>= 8000	7.8	58.5	67.2	71.9	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
>= 7000	7.8	59.0	67.6	72.3	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
>= 6000	7.8	59.3	68.0	72.8	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
>= 5000	7.8	60.2	69.0	74.0	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
>= 4500	7.8	60.2	69.1	74.1	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
>= 4000	7.9	61.0	69.9	75.1	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
>= 3500	7.9	61.4	70.4	75.5	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
>= 3000	7.9	63.4	72.8	78.2	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
>= 2500	8.2	65.1	74.7	80.2	82.3	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
>= 2000	8.7	66.8	76.8	82.3	84.7	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
>= 1800	8.7	67.0	77.0	82.7	85.0	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
>= 1500	9.0	70.0	80.5	86.4	88.8	89.1	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
>= 1200	9.1	71.5	82.2	88.3	91.1	91.5	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
>= 1000	9.2	72.7	83.6	90.1	93.1	93.5	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
>= 900	9.2	73.0	84.1	90.7	93.9	94.4	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
>= 800	9.2	73.6	84.9	91.8	95.3	96.0	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
>= 700	9.2	74.0	85.3	92.3	95.9	96.7	97.2	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7
>= 600	9.2	74.2	85.7	92.8	96.5	97.4	97.9	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5
>= 500	9.2	74.4	85.9	93.1	96.9	97.9	98.4	98.7	98.7	99.1	99.2	99.3	99.4	99.4	99.4	99.4
>= 400	9.2	74.4	85.9	93.1	96.9	97.9	98.5	98.9	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7
>= 300	9.2	74.4	85.9	93.1	97.0	98.0	98.6	99.0	99.1	99.5	99.7	99.7	99.8	99.8	99.9	99.9
>= 200	9.2	74.4	85.9	93.1	97.0	98.0	98.6	99.0	99.1	99.5	99.7	99.8	99.9	99.9	100.0	100.0
>= 100	9.2	74.4	85.9	93.1	97.0	98.0	98.6	99.0	99.1	99.5	99.7	99.8	99.9	99.9	100.0	100.0
>= 0	9.2	74.4	85.9	93.1	97.0	98.0	98.6	99.0	99.1	99.5	99.7	99.8	99.9	99.9	100.0	100.0

TOTAL NO. OF OBS : 1167

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUN
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.7	44.2	49.6	52.2	52.6	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
>=20000	8.1	49.4	55.8	58.8	59.4	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
>=18000	8.1	49.7	56.1	59.1	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
>=16000	8.1	49.7	56.1	59.1	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
>=14000	8.2	50.3	56.7	59.8	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
>=12000	8.3	51.9	58.4	61.6	62.2	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
>=10000	8.4	55.0	61.6	64.9	65.5	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
>= 9000	8.4	55.1	61.8	65.1	65.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
>= 8000	8.4	57.8	65.1	68.6	69.3	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
>= 7000	8.4	58.1	65.5	69.2	69.9	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
>= 6000	8.4	58.8	66.3	70.0	70.8	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
>= 5000	8.4	59.9	67.5	71.2	72.1	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
>= 4500	8.4	60.2	67.9	71.6	72.4	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
>= 4000	8.7	61.9	69.9	73.9	75.0	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
>= 3500	8.9	62.9	71.1	75.2	76.3	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
>= 3000	9.3	68.0	76.7	81.3	82.6	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
>= 2500	9.6	70.5	79.3	84.2	85.5	85.9	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.3	86.3
>= 2000	10.0	73.2	82.3	87.7	89.1	89.5	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	90.0	90.0
>= 1800	10.0	73.5	82.5	88.0	89.5	89.8	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.4
>= 1500	10.2	75.1	84.6	90.2	92.1	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0
>= 1200	10.2	76.7	86.5	92.3	94.3	94.7	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4
>= 1000	10.2	77.4	87.3	93.2	95.4	96.0	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	97.0	97.0
>= 900	10.2	77.7	87.5	93.7	96.0	96.6	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.8	97.8
>= 800	10.2	77.7	8.:5	93.8	96.2	96.9	97.7	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.3	98.3
>= 700	10.2	77.8	87.7	94.0	96.6	97.3	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.7	98.7
>= 600	10.2	77.9	87.8	94.1	96.6	97.4	98.3	98.6	98.6	98.7	98.8	98.8	98.8	98.8	99.0	99.0
>= 500	10.2	78.0	87.9	94.2	96.9	97.7	98.6	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6
>= 400	10.2	78.0	87.9	94.3	97.1	97.8	98.8	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.9	99.9
>= 300	10.2	78.0	87.9	94.3	97.1	97.8	98.8	99.2	99.2	99.6	99.8	99.8	99.8	99.8	100.0	100.0
>= 200	10.2	78.0	87.9	94.3	97.1	97.8	98.8	99.2	99.2	99.6	99.8	99.8	99.8	99.8	100.0	100.0
>= 100	10.2	78.0	87.9	94.3	97.1	97.8	98.8	99.2	99.2	99.6	99.8	99.8	99.8	99.8	100.0	100.0
>= 0	10.2	78.0	87.9	94.3	97.1	97.8	98.8	99.2	99.2	99.6	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NO. OF OBS : 1161

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUN
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.9	46.3	52.7	55.1	55.5	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
>=20000	7.1	51.9	59.2	62.2	62.6	62.7	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
>=18000	7.1	51.9	59.3	62.3	62.7	62.8	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
>=16000	7.2	52.1	59.5	62.5	63.0	63.1	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
>=14000	7.2	52.7	60.1	63.2	63.6	63.7	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
>=12000	7.2	54.9	62.4	65.8	66.3	66.5	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
>=10000	7.5	57.6	65.6	69.2	69.7	69.9	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
>= 9000	7.5	57.8	65.8	69.4	69.9	70.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
>= 8000	7.6	61.3	69.8	73.5	74.2	74.4	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
>= 7000	7.8	62.4	70.9	74.7	75.4	75.6	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
>= 6000	7.9	63.1	71.6	75.4	76.1	76.3	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
>= 5000	8.0	64.3	73.1	76.9	77.7	77.9	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
>= 4500	8.0	64.4	73.2	77.0	77.8	78.0	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
>= 4000	8.0	65.9	75.0	78.9	79.7	80.0	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
>= 3500	8.2	66.5	75.8	79.9	80.7	81.0	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
>= 3000	8.6	70.3	80.4	85.3	86.3	86.7	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
>= 2500	8.6	71.7	81.9	86.9	88.0	88.3	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
>= 2000	8.8	73.5	83.9	89.1	90.6	91.1	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
>= 1800	8.8	73.6	84.0	89.2	90.7	91.2	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
>= 1500	8.9	74.4	85.1	90.3	92.1	92.6	93.4	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7
>= 1200	8.9	75.0	86.0	91.2	92.9	93.4	94.5	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.0
>= 1000	9.0	75.4	86.3	91.5	93.3	94.0	95.2	95.5	95.5	95.6	95.6	95.6	95.8	95.8	95.8	95.8
>= 900	9.0	75.6	86.6	92.1	94.0	94.7	95.9	96.3	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5
>= 800	9.0	75.7	86.8	92.4	94.5	95.5	97.0	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6
>= 700	9.0	75.7	86.9	92.5	94.6	95.6	97.2	97.5	97.5	97.6	97.6	97.6	97.8	97.8	97.8	97.8
>= 600	9.0	75.7	86.9	92.5	94.7	95.7	97.3	97.6	97.6	97.8	97.9	97.9	98.1	98.1	98.1	98.1
>= 500	9.0	75.8	87.0	92.7	94.9	95.9	97.9	98.5	98.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1
>= 400	9.0	75.8	87.0	92.7	95.0	96.1	98.2	99.0	99.1	99.4	99.5	99.5	99.7	99.7	99.7	99.7
>= 300	9.0	75.8	87.0	92.7	95.1	96.3	98.4	99.2	99.3	99.5	99.7	99.7	99.9	99.9	99.9	99.9
>= 200	9.0	75.8	87.0	92.7	95.1	96.3	98.4	99.2	99.3	99.5	99.7	99.7	99.9	99.9	99.9	99.9
>= 100	9.0	75.8	87.0	92.7	95.1	96.3	98.4	99.2	99.3	99.5	99.7	99.7	99.9	99.9	99.9	99.9
>= 0	9.0	75.8	87.0	92.7	95.1	96.3	98.4	99.2	99.3	99.5	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NO. OF OBS : 1097

2 - CEILING VS VISIBILITY

13769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUN
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.8	43.6	50.6	54.0	55.2	55.6	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1
>=20000	6.1	49.4	58.2	62.6	64.4	64.8	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5
>=18000	6.1	49.4	58.3	62.7	64.5	65.1	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7
>=16000	6.1	49.4	58.3	62.8	64.6	65.2	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8
>=14000	6.1	49.9	59.0	63.5	65.4	65.9	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6
>=12000	6.3	51.3	60.6	65.4	67.2	67.8	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4
>=10000	6.5	54.4	64.0	69.2	71.1	71.9	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5
>= 9000	6.6	54.8	64.4	69.5	71.5	72.2	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9
>= 8000	6.9	58.7	68.4	74.3	76.3	77.1	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8
>= 7000	6.9	59.4	69.3	75.1	77.3	78.1	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8
>= 6000	7.0	60.0	69.9	75.8	78.1	79.0	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6
>= 5000	7.2	61.2	71.4	77.5	80.0	80.8	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5
>= 4500	7.3	61.5	71.7	77.8	80.4	81.2	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
>= 4000	7.3	62.6	73.2	79.6	82.3	83.1	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8
>= 3500	7.3	63.0	73.8	80.3	83.1	83.9	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.6	84.6
>= 3000	7.6	65.0	76.7	83.3	86.4	87.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2
>= 2500	7.6	65.8	77.7	84.4	87.5	88.4	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5
>= 2000	7.6	66.7	78.9	86.0	89.1	90.0	90.9	91.1	91.1	91.3	91.4	91.4	91.4	91.4	91.5	91.5
>= 1800	7.6	66.7	78.9	86.0	89.1	90.0	90.9	91.1	91.1	91.3	91.4	91.4	91.4	91.4	91.5	91.5
>= 1500	7.6	66.9	79.2	86.6	90.0	90.9	91.9	92.2	92.2	92.4	92.5	92.5	92.5	92.5	92.6	92.6
>= 1200	7.6	67.2	79.6	87.0	90.5	91.6	92.6	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.2	93.2
>= 1000	7.7	67.7	80.5	88.1	91.7	92.9	94.0	94.4	94.4	94.6	94.7	94.7	94.7	94.7	94.8	94.8
>= 900	7.7	67.9	80.9	88.7	92.5	93.7	94.8	95.2	95.2	95.5	95.6	95.6	95.6	95.6	95.6	95.6
>= 800	7.7	67.9	80.9	88.7	92.9	94.1	95.4	95.7	95.7	96.0	96.1	96.1	96.2	96.2	96.3	96.3
>= 700	7.7	68.0	81.1	89.1	93.2	94.4	95.8	96.4	96.4	96.7	96.8	96.8	96.9	96.9	96.9	96.9
>= 600	7.7	68.1	81.3	89.3	93.5	94.7	96.2	96.8	96.9	97.1	97.2	97.2	97.3	97.3	97.4	97.4
>= 500	7.8	68.5	81.7	89.6	94.0	95.3	96.9	97.5	97.6	98.0	98.1	98.1	98.1	98.1	98.2	98.2
>= 400	7.8	68.5	81.9	89.8	94.2	95.5	97.2	98.1	98.3	98.8	99.0	99.0	99.1	99.1	99.2	99.2
>= 300	7.8	68.5	81.9	89.8	94.3	95.6	97.3	98.4	98.6	99.2	99.4	99.4	99.4	99.4	99.5	99.5
>= 200	7.8	68.5	81.9	89.8	94.3	95.6	97.5	98.8	99.0	99.5	99.7	99.7	99.9	99.9	100.0	100.0
>= 100	7.8	68.5	81.9	89.8	94.3	95.6	97.5	98.8	99.0	99.5	99.7	99.7	99.9	99.9	100.0	100.0
>= 0	7.8	68.5	81.9	89.8	94.3	95.6	97.5	98.8	99.0	99.5	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NO. OF OBS : 1080

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUN
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.9	48.5	56.1	59.7	62.2	62.5	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.9
>=20000	6.0	50.8	59.6	63.7	66.8	67.2	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5
>=18000	6.0	50.8	59.6	63.7	66.8	67.2	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5
>=16000	6.0	50.8	59.6	63.7	66.8	67.2	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5
>=14000	6.0	51.1	59.9	64.1	67.2	67.5	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.9
>=12000	6.2	52.4	61.4	65.6	68.7	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.4
>=10000	6.5	55.6	65.0	69.3	72.6	73.0	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.4
>= 9000	6.5	55.7	65.2	69.5	72.9	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6
>= 8000	6.9	59.4	69.6	74.2	77.8	78.2	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.6
>= 7000	7.0	60.8	71.1	75.6	79.3	79.7	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	80.0
>= 6000	7.0	61.1	71.4	76.1	79.7	80.1	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.5
>= 5000	7.1	62.0	72.5	77.3	80.9	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.7
>= 4500	7.1	62.1	72.8	77.6	81.3	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.0
>= 4000	7.4	63.1	74.4	79.4	83.3	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
>= 3500	7.6	63.5	74.9	80.0	84.0	84.4	84.5	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.8
>= 3000	7.6	65.7	77.8	83.1	87.3	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1
>= 2500	7.6	66.4	78.9	84.4	88.8	89.1	89.3	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.7
>= 2000	7.8	67.4	80.1	85.8	90.3	90.7	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2
>= 1800	7.8	67.4	80.2	85.9	90.4	90.8	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.3
>= 1500	7.8	68.0	81.1	86.9	91.6	92.1	92.3	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.8
>= 1200	7.8	68.3	81.8	87.7	92.6	93.1	93.3	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.8
>= 1000	7.8	68.6	82.2	88.3	93.4	94.0	94.5	94.7	94.7	95.0	95.0	95.0	95.1	95.1	95.1	95.2
>= 900	7.8	68.9	82.5	88.7	93.8	94.3	95.0	95.2	95.2	95.5	95.5	95.5	95.6	95.6	95.6	95.7
>= 800	7.8	69.0	82.8	89.0	94.1	94.6	95.3	95.5	95.6	96.1	96.1	96.1	96.2	96.2	96.2	96.3
>= 700	7.8	69.0	82.9	89.1	94.5	95.1	95.9	96.1	96.2	96.6	96.6	96.6	96.7	96.7	96.7	96.8
>= 600	7.9	69.3	83.2	89.5	94.9	95.4	96.4	96.6	96.7	97.2	97.2	97.2	97.3	97.3	97.3	97.4
>= 500	7.9	69.5	83.5	89.9	95.3	96.0	96.9	97.2	97.3	97.7	97.7	97.7	97.8	97.8	97.8	97.9
>= 400	7.9	69.6	83.7	90.2	95.7	96.4	97.3	97.6	97.7	98.3	98.3	98.3	98.4	98.4	98.4	98.4
>= 300	7.9	69.6	83.7	90.2	95.7	96.4	97.6	98.0	98.1	98.6	98.7	98.7	98.9	98.9	98.9	99.0
>= 200	7.9	69.6	83.7	90.3	95.8	96.5	97.8	98.3	98.4	99.0	99.1	99.1	99.3	99.3	99.3	99.4
>= 100	7.9	69.6	83.7	90.3	95.8	96.5	97.8	98.3	98.4	99.1	99.3	99.3	99.5	99.5	99.5	99.6
>= 0	7.9	69.6	83.7	90.3	95.8	96.5	97.8	98.3	98.4	99.1	99.4	99.4	99.5	99.5	99.5	100.0

TOTAL NO. OF OBS : 1096

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUN
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.9	43.3	50.3	54.2	56.5	56.9	57.4	57.7	57.7	57.9	57.9	57.9	58.0	58.0	58.0	58.1
>=20000	6.1	47.1	55.2	59.7	62.3	62.8	63.3	63.6	63.7	63.8	63.9	63.9	63.9	63.9	64.0	64.0
>=18000	6.1	47.2	55.3	59.8	62.4	62.9	63.4	63.8	63.8	63.9	64.0	64.0	64.0	64.0	64.1	64.2
>=16000	6.2	47.2	55.3	59.8	62.5	62.9	63.5	63.8	63.9	64.0	64.0	64.0	64.1	64.1	64.2	64.2
>=14000	6.2	47.7	55.9	60.4	63.1	63.6	64.1	64.4	64.5	64.6	64.6	64.7	64.7	64.7	64.8	64.8
>=12000	6.4	49.2	57.6	62.3	64.9	65.4	66.0	66.3	66.4	66.5	66.5	66.5	66.6	66.6	66.7	66.7
>=10000	6.6	52.2	61.1	66.0	68.8	69.3	69.9	70.2	70.2	70.4	70.4	70.5	70.5	70.5	70.6	70.6
>= 9000	6.6	52.4	61.3	66.2	69.1	69.6	70.2	70.5	70.5	70.7	70.7	70.7	70.8	70.8	70.9	70.9
>= 8000	6.8	56.0	65.6	70.9	73.9	74.5	75.1	75.4	75.5	75.6	75.7	75.7	75.7	75.7	75.8	75.8
>= 7000	6.9	56.7	66.4	71.8	74.8	75.4	76.1	76.4	76.4	76.6	76.6	76.7	76.7	76.7	76.8	76.8
>= 6000	6.9	57.2	67.0	72.4	75.5	76.1	76.7	77.1	77.1	77.3	77.3	77.3	77.4	77.4	77.4	77.5
>= 5000	7.0	58.1	68.2	73.7	76.9	77.5	78.1	78.5	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.9
>= 4500	7.0	58.3	68.4	73.9	77.1	77.8	78.4	78.7	78.8	78.9	79.0	79.0	79.1	79.1	79.1	79.2
>= 4000	7.1	59.3	69.7	75.4	78.7	79.4	80.0	80.4	80.4	80.6	80.6	80.6	80.7	80.7	80.7	80.8
>= 3500	7.2	59.8	70.3	76.1	79.4	80.1	80.7	81.1	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.5
>= 3000	7.4	62.2	73.3	79.4	83.0	83.7	84.4	84.7	84.8	84.9	85.0	85.0	85.0	85.1	85.1	85.2
>= 2500	7.5	63.5	74.7	81.0	84.6	85.3	86.1	86.5	86.5	86.7	86.7	86.7	86.8	86.8	86.9	86.9
>= 2000	7.7	64.8	76.3	82.8	86.6	87.4	88.2	88.6	88.6	88.8	88.9	88.9	88.9	89.0	89.0	89.1
>= 1800	7.7	64.9	76.5	83.0	86.8	87.6	88.4	88.9	88.9	89.1	89.1	89.2	89.2	89.2	89.3	89.4
>= 1500	7.8	66.0	77.9	84.6	88.6	89.4	90.3	90.8	90.8	91.0	91.1	91.1	91.2	91.2	91.3	91.3
>= 1200	7.9	66.8	78.9	85.8	89.9	90.8	91.7	92.2	92.2	92.5	92.5	92.5	92.6	92.6	92.7	92.7
>= 1000	7.9	67.5	79.8	86.9	91.1	92.1	93.2	93.7	93.8	94.0	94.1	94.1	94.2	94.2	94.3	94.3
>= 900	7.9	67.7	80.1	87.3	91.7	92.7	93.8	94.4	94.4	94.7	94.8	94.8	94.9	94.9	95.0	95.0
>= 800	7.9	68.0	80.5	87.8	92.3	93.4	94.7	95.3	95.3	95.6	95.7	95.7	95.8	95.8	95.9	95.9
>= 700	7.9	68.1	80.8	88.2	92.8	93.9	95.3	95.9	95.9	96.2	96.3	96.3	96.4	96.4	96.5	96.6
>= 600	7.9	68.2	81.1	88.5	93.2	94.4	95.8	96.4	96.5	96.9	97.0	97.0	97.1	97.1	97.2	97.3
>= 500	7.9	68.4	81.3	88.8	93.6	94.9	96.4	97.2	97.3	97.7	97.8	97.9	98.0	98.0	98.1	98.1
>= 400	7.9	68.5	81.4	89.1	93.9	95.2	96.8	97.7	97.8	98.3	98.5	98.5	98.7	98.7	98.8	98.8
>= 300	7.9	68.5	81.4	89.1	94.1	95.4	97.1	98.0	98.1	98.7	98.9	98.9	99.1	99.1	99.2	99.3
>= 200	7.9	68.5	81.5	89.2	94.1	95.5	97.2	98.2	98.3	98.9	99.2	99.2	99.4	99.4	99.5	99.6
>= 100	7.9	68.5	81.5	89.2	94.1	95.5	97.3	98.2	98.4	99.0	99.3	99.3	99.5	99.5	99.7	99.8
>= 0	7.9	68.5	81.5	89.2	94.1	95.5	97.3	98.2	98.4	99.0	99.3	99.3	99.5	99.6	99.7	100.0

TOTAL NO. OF OBS : 8950

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUL
CLASS : ALL WEATHER HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.7	.5	.9	.3	.0	.0	.0	.0	.0	.0	.0	2.4	6.1
NNE	.3	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	1.1	5.1
NE	.6	.6	.8	.1	.0	.0	.0	.0	.0	.0	.0	2.1	6.0
ENE	.3	.7	.6	.1	.1	.0	.0	.0	.0	.0	.0	1.8	6.5
E	1.3	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.4	4.0
ESE	1.1	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.0
SE	.9	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	2.2	4.5
SSE	1.7	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.4
S	2.9	4.9	1.4	.2	.0	.0	.0	.0	.0	.0	.0	9.3	4.7
SSW	2.9	5.3	6.7	.5	.1	.0	.0	.0	.0	.0	.0	15.5	6.3
SW	5.9	7.4	5.3	.8	.0	.0	.0	.0	.0	.0	.0	19.5	5.4
WSW	2.8	4.2	1.9	.2	.0	.0	.0	.0	.0	.0	.0	9.1	4.9
W	1.8	1.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.8	3.9
WNW	.9	.3	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.7	4.7
NW	.4	.7	.1	.0	.0	.1	.0	.0	.0	.0	.0	1.3	5.5
NNW	.4	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	1.5	6.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.5	.0
ALL	25.1	30.4	20.1	2.6	.3	.1	.0	.0	.0	.0	.0	100.0	4.1

TOTAL NO. OF OBS : 1146

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.0	1.3	.6	.3	.0	.0	.0	.0	.0	.0	.0	3.3	5.5
NNE	.4	.3	1.0	.1	.0	.0	.0	.0	.0	.0	.0	1.8	6.1
NE	.8	1.4	.9	.3	.0	.0	.0	.0	.0	.0	.0	3.4	6.5
ENE	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.7
E	.5	1.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.1
ESE	1.0	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	1.4	3.9
SE	1.0	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.9	4.2
SSE	1.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.6
S	2.7	2.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	5.2	4.0
SSW	2.6	5.7	3.1	.3	.0	.0	.0	.0	.0	.0	.0	11.8	5.6
SW	6.4	9.0	4.2	.9	.0	.0	.0	.0	.0	.0	.0	20.4	5.1
WSW	3.1	5.5	3.6	.2	.0	.0	.0	.0	.0	.0	.0	12.4	5.2
W	1.7	1.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	3.3	4.2
WNW	.6	.7	.3	.2	.0	.0	.0	.0	.0	.0	.0	1.8	5.5
NW	.3	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.1
NNW	.4	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	1.6	6.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.4	.0
ALL	24.2	30.4	17.0	3.0	.0	.0	.0	.0	.0	.0	.0	100.0	3.8

TOTAL NO. OF OBS : 1145

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.8	1.5	1.2	.4	.0	.0	.0	.0	.0	.0	.0	4.0	6.3
NNE	.7	1.5	2.2	.7	.1	.0	.0	.0	.0	.0	.0	5.3	7.1
NE	.9	1.5	1.5	1.0	.2	.0	.0	.0	.0	.0	.0	5.1	7.8
ENE	.4	.9	.6	.2	.1	.0	.0	.0	.0	.0	.0	2.1	6.6
E	.6	1.0	.6	.2	.0	.0	.0	.0	.0	.0	.0	2.4	5.8
ESE	.7	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	2.0	5.5
SE	.2	1.1	.7	.2	.0	.0	.0	.0	.0	.0	.0	2.2	5.9
SSE	.7	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.5	3.8
S	1.7	1.3	.6	.1	.0	.0	.0	.0	.0	.0	.0	3.7	4.5
SSW	.9	3.9	3.5	.7	.0	.0	.0	.0	.0	.0	.0	9.0	6.6
SW	2.9	7.6	7.7	2.1	.2	.0	.0	.0	.0	.0	.0	20.6	6.8
WSW	2.7	5.1	6.4	1.7	.0	.0	.0	.0	.0	.0	.0	15.8	6.7
W	2.6	2.4	1.4	.2	.0	.0	.0	.0	.0	.0	.0	6.6	4.7
WNW	.8	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	2.0	4.6
NW	.6	.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	2.0	5.3
NNW	.4	1.0	1.2	.3	.0	.0	.0	.0	.0	.0	.0	2.9	6.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.9	.0
ALL	17.7	32.0	28.7	8.2	.6	.0	.0	.0	.0	.0	.0	100.0	5.5

TOTAL NO. OF OBS : 1226

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.1	1.7	2.0	.8	.0	.0	.0	.0	.0	.0	.0	5.5	6.8
NNE	.2	1.8	2.6	.1	.2	.0	.0	.0	.0	.0	.0	5.9	8.5
NE	.6	2.9	2.9	.7	.2	.0	.0	.0	.0	.0	.0	7.1	7.1
ENE	.4	1.5	1.6	.7	.2	.1	.0	.0	.0	.0	.0	4.5	8.5
E	.8	3.2	1.7	.2	.0	.0	.0	.0	.0	.0	.0	6.0	5.9
ESE	.2	1.4	1.1	.5	.0	.0	.0	.0	.0	.0	.0	3.3	7.2
SE	1.0	1.5	1.5	.3	.0	.0	.0	.0	.0	.0	.0	4.3	6.2
SSE	.7	.8	.5	.2	.1	.0	.0	.0	.0	.0	.0	2.3	6.2
S	1.5	2.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.3
SSW	1.1	2.7	3.7	1.5	.1	.2	.0	.0	.0	.0	.0	9.1	7.7
SW	.8	5.1	5.2	3.0	.5	.1	.0	.0	.0	.0	.0	14.7	8.3
WSW	1.2	2.8	4.6	2.4	.0	.0	.0	.0	.0	.0	.0	11.0	8.0
W	1.3	2.9	1.8	.7	.1	.0	.0	.0	.0	.0	.0	6.8	6.1
WNW	.6	1.4	.9	.3	.0	.0	.0	.0	.0	.0	.0	3.2	6.1
NW	1.1	1.4	1.3	.2	.0	.0	.0	.0	.0	.0	.0	4.0	5.8
NNW	.7	1.3	2.0	1.1	.0	.0	.0	.0	.0	.0	.0	5.1	7.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0
ALL	13.1	34.2	34.9	13.7	1.3	.3	.0	.0	.0	.0	.0	100.0	7.1

TOTAL NO. OF OBS : 1226

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA
PERIOD OF RECORD : 1945-1987
CLASS : ALL WEATHER
CONDITIO. : NONE SPECIFIED

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : JUL
HOUR : 1300 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.2	2.0	1.6	.7	.2	.0	.0	.0	.0	.0	.0	4.8	7.6
NNE	.4	1.5	1.8	.7	.1	.0	.0	.0	.0	.0	.0	4.5	7.6
NE	.4	2.4	2.3	.8	.3	.0	.0	.0	.0	.0	.0	6.3	7.9
ENE	.5	3.1	3.7	.7	.0	.0	.0	.0	.0	.0	.0	8.0	7.2
E	.9	4.9	5.7	.7	.0	.0	.0	.0	.0	.0	.0	12.1	6.9
ESE	.2	2.9	4.1	1.2	.1	.0	.0	.0	.0	.0	.0	8.5	7.8
SE	.2	1.4	3.3	.8	.2	.0	.0	.0	.0	.0	.0	5.9	8.5
SSE	.3	1.3	1.2	.6	.0	.0	.0	.0	.0	.0	.0	3.4	7.6
S	.9	1.9	1.9	.7	.0	.0	.0	.0	.0	.0	.0	5.3	6.5
SSW	.7	2.1	4.5	1.7	.4	.1	.0	.0	.0	.0	.0	9.5	8.7
SW	.5	2.5	4.3	2.2	.2	.0	.1	.0	.0	.0	.0	9.9	8.9
WSW	.4	2.0	3.1	2.3	.1	.0	.0	.0	.0	.0	.0	7.9	8.6
W	.7	.8	1.6	.5	.2	.0	.0	.0	.0	.0	.0	3.8	7.6
WNW	.7	.8	.9	.1	.0	.0	.0	.0	.0	.0	.0	2.5	5.5
NW	.4	1.1	.7	.2	.0	.0	.0	.0	.0	.0	.0	2.4	6.3
NNW	.7	1.5	2.2	.4	.0	.0	.0	.0	.0	.0	.0	4.7	6.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0
ALL	8.3	32.1	42.9	14.3	1.8	.1	.1	.0	.0	.0	.0	100.0	7.7

TOTAL NO. OF OBS : 1226

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUL
CLASS : ALL WEATHER HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.3	2.2	.8	.5	.1	.0	.1	.0	.0	.0	.0	4.0	7.1
NNE	.1	1.3	.8	.5	.1	.1	.0	.0	.0	.0	.0	2.9	8.3
NE	.5	2.0	1.9	.8	.2	.0	.0	.0	.0	.0	.0	5.4	7.5
ENE	.9	4.2	2.8	.8	.0	.0	.0	.0	.0	.0	.0	8.8	6.7
E	.8	6.1	5.8	.4	.0	.0	.0	.0	.0	.0	.0	13.1	6.6
ESE	.6	5.2	5.4	1.2	.0	.0	.0	.0	.0	.0	.0	12.3	7.2
SE	.7	3.1	5.4	.8	.0	.0	.0	.0	.0	.0	.0	10.0	7.4
SSE	.6	1.6	2.6	.9	.1	.0	.0	.0	.0	.0	.0	5.9	7.9
S	.7	2.0	4.4	.7	.1	.0	.0	.0	.0	.0	.0	7.9	7.6
SSW	.6	1.5	4.8	1.8	.1	.0	.0	.0	.0	.0	.0	8.8	8.5
SW	.4	2.2	3.2	2.3	.2	.1	.0	.0	.0	.0	.0	8.4	8.8
WSW	.5	.8	2.3	1.3	.0	.0	.0	.0	.0	.0	.0	4.9	8.6
W	.2	.7	1.1	.5	.0	.0	.0	.0	.0	.0	.0	2.5	8.1
WNW	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0	1.3	6.9
NW	.3	.3	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.0	5.8
NNW	.3	.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0
ALL	7.7	34.7	42.7	12.7	.8	.2	.1	.0	.0	.0	.0	100.0	7.4

TOTAL NO. OF OBS : 1177

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUL
CLASS : ALL WEATHER HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.5	.8	.5	.4	.0	.0	.0	.0	.0	.0	.0	2.2	6.7
NNE	.8	1.0	.8	.3	.1	.0	.0	.0	.0	.0	.0	3.0	6.2
NE	.3	1.8	.8	.3	.1	.0	.0	.0	.0	.0	.0	3.3	6.6
ENE	1.3	2.3	1.1	.5	.0	.0	.0	.0	.0	.0	.0	5.3	5.6
E	3.7	2.0	1.1	.1	.0	.0	.0	.0	.0	.0	.0	6.9	4.1
ESE	3.6	4.1	1.6	.2	.0	.0	.0	.0	.0	.0	.0	9.5	4.6
SE	4.4	7.4	1.1	.2	.0	.0	.0	.0	.0	.0	.0	13.1	4.3
SSE	3.3	6.0	2.0	.4	.0	.0	.0	.0	.0	.0	.0	11.7	4.9
S	3.3	7.2	2.8	.9	.2	.0	.0	.0	.0	.0	.0	14.3	5.6
SSW	.6	5.4	3.4	.9	.2	.0	.0	.0	.0	.0	.0	10.4	6.7
SW	1.0	3.5	2.3	.5	.1	.0	.0	.0	.0	.0	.0	7.5	6.5
WSW	.9	1.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.6
W	.5	.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.3
WNW	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.9
NW	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.8
NNW	.2	.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.8	7.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	.0
ALL	25.2	44.7	19.5	4.8	.6	.0	.0	.0	.0	.0	.0	100.0	5.1

TOTAL NO. OF OBS : 1158

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

D13769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.2	.6	.5	.4	.1	.0	.0	.0	.0	.0	.0	1.8	8.4
NNE	.7	.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	1.5	4.8
NE	.6	.6	.8	.1	.0	.0	.0	.0	.0	.0	.0	2.1	5.1
ENE	1.3	1.0	.4	.3	.1	.0	.0	.0	.0	.0	.0	3.1	5.6
E	1.6	1.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	3.7	4.2
ESE	1.7	1.4	.8	.1	.0	.0	.0	.0	.0	.0	.0	4.0	4.5
SE	2.1	3.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	5.5	4.1
SSE	4.4	2.4	.8	.3	.0	.0	.0	.0	.0	.0	.0	7.8	3.9
S	5.7	8.7	3.2	.0	.0	.0	.0	.0	.0	.0	.0	17.6	4.7
SSW	1.6	6.3	4.4	.5	.0	.0	.0	.0	.0	.0	.0	12.7	6.2
SW	3.1	4.1	3.0	.6	.1	.0	.0	.0	.0	.0	.0	11.0	5.6
WSW	2.0	2.9	1.0	.4	.3	.0	.0	.0	.0	.0	.0	6.5	5.5
W	1.2	1.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.7
WNW	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0
NW	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	8.5
NNW	.1	.3	.6	.0	.0	.1	.0	.0	.0	.0	.0	1.1	7.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.9	.0
ALL	26.7	34.1	17.9	3.0	.5	.1	.0	.0	.0	.0	.0	100.0	4.2

TOTAL NO. OF OBS : 1148

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUL
CLASS : ALL WEATHER HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT.	SPEED (KNOTS)											TOTAL	MEAN
DIR.	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND SPEED
N	.6	1.3	1.0	.5	.1	.0	.0*	.0	.0	.0	.0	3.5	6.8
NNE	.5	1.1	1.2	.5	.1	.0*	.0	.0	.0	.0	.0	3.3	7.3
NE	.6	1.7	1.5	.5	.1	.0	.0	.0	.0	.0	.0	4.4	7.1
ENE	.7	1.8	1.4	.4	.1	.0*	.0	.0	.0	.0	.0	4.4	6.7
E	1.3	2.6	2.1	.2	.0	.0	.0	.0	.0	.0	.0	6.1	5.8
ESE	1.1	2.0	1.8	.4	.0*	.0	.0	.0	.0	.0	.0	5.4	6.2
SE	1.3	2.3	1.7	.3	.0*	.0	.0	.0	.0	.0	.0	5.6	5.8
SSE	1.6	1.7	1.0	.3	.0*	.0	.0	.0	.0	.0	.0	4.6	5.3
S	2.4	3.7	2.0	.3	.0*	.0	.0	.0	.0	.0	.0	8.4	5.4
SSW	1.4	4.1	4.3	1.0	.1	.0*	.0	.0	.0	.0	.0	10.8	6.9
SW	2.6	5.2	4.5	1.6	.2	.0*	.0*	.0	.0	.0	.0	14.0	6.7
WSW	1.7	3.1	3.0	1.1	.0*	.0	.0	.0	.0	.0	.0	8.9	6.6
W	1.3	1.4	1.0	.2	.0*	.0	.0	.0	.0	.0	.0	4.0	5.5
WNW	.6	.6	.4	.1	.0*	.0	.0	.0	.0	.0	.0	1.8	5.3
NW	.4	.7	.5	.1	.0*	.0*	.0	.0	.0	.0	.0	1.7	5.8
NNW	.4	.8	.9	.3	.0	.0*	.0	.0	.0	.0	.0	2.5	6.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.7	.0
ALL	18.3	34.0	28.2	7.9	.8	.1	.0*	.0	.0	.0	.0	100.0	5.7

TOTAL NO. OF OBS : 9452

NOTES :
* = PERCENT < .05

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.4	42.8	51.4	57.2	60.4	60.8	61.2	61.5	61.5	61.9	62.1	62.1	62.2	62.2	62.2	62.2
>=20000	5.6	46.3	55.9	62.6	66.3	66.9	67.4	67.9	68.0	68.4	68.6	68.6	68.6	68.6	68.6	68.6
>=18000	5.6	46.3	55.9	62.6	66.3	66.9	67.4	67.9	68.0	68.4	68.6	68.6	68.6	68.6	68.6	68.6
>=16000	5.6	46.3	55.9	62.6	66.3	66.9	67.4	67.9	68.0	68.4	68.6	68.6	68.6	68.6	68.6	68.6
>=14000	5.7	46.8	56.5	63.2	66.9	67.6	68.0	68.6	68.6	69.0	69.2	69.2	69.3	69.3	69.3	69.3
>=12000	5.8	48.0	57.8	64.8	68.5	69.1	69.5	70.1	70.2	70.5	70.7	70.7	70.8	70.8	70.8	70.8
>=10000	5.9	52.7	63.2	70.8	75.2	75.9	76.3	76.8	76.9	77.3	77.5	77.5	77.6	77.6	77.6	77.6
>= 9000	5.9	53.0	63.6	71.3	75.7	76.3	76.8	77.3	77.4	77.8	78.0	78.0	78.1	78.1	78.1	78.1
>= 8000	6.2	56.4	68.1	76.7	81.5	82.2	82.6	83.2	83.2	83.7	83.9	83.9	84.0	84.0	84.0	84.0
>= 7000	6.3	56.8	68.8	77.4	82.3	82.9	83.3	83.9	84.0	84.4	84.6	84.6	84.7	84.7	84.7	84.7
>= 6000	6.3	56.9	68.9	77.5	82.4	83.1	83.5	84.1	84.1	84.6	84.8	84.8	84.9	84.9	84.9	84.9
>= 5000	6.4	57.8	70.4	79.1	84.1	84.9	85.3	85.9	85.9	86.4	86.6	86.6	86.7	86.7	86.7	86.7
>= 4500	6.4	57.9	70.5	79.3	84.3	85.0	85.5	86.0	86.1	86.6	86.8	86.8	86.8	86.8	86.8	86.8
>= 4000	6.5	58.6	71.4	80.5	85.6	86.3	86.8	87.4	87.5	87.9	88.1	88.1	88.2	88.2	88.2	88.2
>= 3500	6.5	58.6	71.5	80.8	85.9	86.6	87.0	87.7	87.7	88.2	88.4	88.4	88.5	88.5	88.5	88.5
>= 3000	6.5	59.8	73.5	83.5	89.0	89.7	90.2	90.8	90.9	91.4	91.6	91.6	91.7	91.7	91.7	91.7
>= 2500	6.5	60.0	74.0	84.4	90.1	90.8	91.3	91.9	92.0	92.5	92.7	92.7	92.8	92.8	92.8	92.8
>= 2000	6.6	61.1	75.4	86.1	91.9	92.6	93.1	93.7	93.8	94.3	94.5	94.5	94.6	94.6	94.6	94.6
>= 1800	6.6	61.3	75.6	86.3	92.1	92.8	93.2	93.9	94.0	94.5	94.7	94.7	94.8	94.8	94.8	94.8
>= 1500	6.6	61.6	76.1	87.0	92.9	93.6	94.1	94.8	94.9	95.4	95.6	95.6	95.7	95.7	95.7	95.7
>= 1200	6.6	62.1	76.9	87.9	93.9	94.6	95.1	95.8	95.9	96.4	96.6	96.6	96.7	96.7	96.7	96.7
>= 1000	6.6	62.3	77.3	88.4	94.4	95.1	95.7	96.4	96.5	97.0	97.2	97.2	97.3	97.3	97.3	97.3
>= 900	6.6	62.5	77.7	88.8	94.9	95.6	96.1	96.8	96.9	97.5	97.7	97.7	97.7	97.7	97.7	97.7
>= 800	6.6	62.5	77.7	88.9	95.0	95.8	96.4	97.1	97.2	97.7	97.9	97.9	98.0	98.0	98.0	98.0
>= 700	6.6	62.8	78.0	89.4	95.5	96.2	96.8	97.6	97.7	98.2	98.4	98.4	98.5	98.5	98.5	98.5
>= 600	6.6	63.0	78.4	89.7	95.9	96.7	97.4	98.2	98.3	98.8	99.0	99.0	99.1	99.1	99.1	99.1
>= 500	6.6	63.0	78.4	89.8	96.0	96.8	97.5	98.3	98.4	98.9	99.1	99.1	99.2	99.2	99.2	99.2
>= 400	6.6	63.0	78.5	90.0	96.2	96.9	97.7	98.5	98.6	99.1	99.3	99.3	99.4	99.4	99.4	99.4
>= 300	6.6	63.0	78.6	90.2	96.5	97.2	98.0	98.9	99.0	99.5	99.8	99.8	99.9	99.9	99.9	99.9
>= 200	6.6	63.0	78.6	90.2	96.5	97.2	98.0	98.9	99.0	99.5	99.8	99.8	99.9	99.9	99.9	99.9
>= 100	6.6	63.0	78.6	90.2	96.5	97.2	98.0	98.9	99.0	99.5	99.8	99.8	99.9	99.9	99.9	99.9
>= 0	6.6	63.0	78.6	90.2	96.5	97.2	98.0	98.9	99.0	99.5	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NO. OF OBS : 1110

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	3.4	34.5	43.5	50.8	56.6	57.3	58.9	59.9	59.9	60.4	60.8	60.8	61.1	61.2	61.3	61.7
>=20000	3.4	37.0	47.1	55.4	62.2	63.0	64.9	66.0	66.0	66.5	66.9	66.9	67.3	67.4	67.5	68.0
>=18000	3.4	37.0	47.2	55.5	62.3	63.0	65.0	66.1	66.1	66.6	67.0	67.0	67.4	67.4	67.6	68.1
>=16000	3.4	37.0	47.3	55.6	62.4	63.1	65.1	66.2	66.2	66.7	67.1	67.1	67.4	67.5	67.7	68.2
>=14000	3.6	37.4	47.6	56.1	62.9	63.6	65.6	66.6	66.6	67.2	67.5	67.5	67.9	68.0	68.2	68.6
>=12000	3.8	38.5	49.1	57.6	64.4	65.1	67.1	68.2	68.2	68.7	69.1	69.1	69.4	69.5	69.7	70.1
>=10000	4.2	41.9	53.8	62.7	70.0	70.8	72.7	73.9	73.9	74.4	74.8	74.8	75.2	75.2	75.4	75.9
>= 9000	4.2	42.1	54.1	63.0	70.3	71.0	73.0	74.2	74.2	74.7	75.1	75.1	75.4	75.5	75.8	76.2
>= 8000	4.3	45.5	58.6	67.9	75.5	76.3	78.5	79.6	79.6	80.2	80.5	80.5	80.9	81.0	81.3	81.7
>= 7000	4.5	46.5	59.6	69.1	76.9	77.8	79.9	81.1	81.1	81.6	82.0	82.0	82.3	82.4	82.7	83.1
>= 6000	4.5	46.8	60.0	69.5	77.2	78.1	80.3	81.4	81.4	82.0	82.3	82.3	82.7	82.8	83.0	83.5
>= 5000	4.5	47.4	60.7	70.4	78.2	79.1	81.4	82.6	82.6	83.1	83.5	83.5	83.9	83.9	84.2	84.7
>= 4500	4.5	47.6	61.0	70.7	78.5	79.4	81.7	82.9	82.9	83.4	83.8	83.8	84.1	84.2	84.5	84.9
>= 4000	4.6	48.5	61.9	71.7	79.6	80.5	83.0	84.2	84.2	84.8	85.1	85.1	85.5	85.6	85.8	86.3
>= 3500	4.6	48.9	62.2	72.1	80.0	80.9	83.3	84.6	84.6	85.1	85.5	85.5	85.8	85.9	86.2	86.6
>= 3000	4.7	50.4	64.4	75.1	83.2	84.1	86.5	87.8	87.8	88.4	88.8	88.8	89.2	89.3	89.6	90.0
>= 2500	4.7	50.7	65.0	75.8	84.1	85.0	87.4	88.7	88.7	89.3	89.7	89.7	90.1	90.2	90.5	90.9
>= 2000	4.8	51.6	66.2	77.4	85.8	86.7	89.3	90.7	90.7	91.3	91.7	91.7	92.1	92.2	92.5	92.9
>= 1800	4.8	51.7	66.3	77.5	85.9	86.8	89.4	90.8	90.8	91.4	91.7	91.7	92.2	92.3	92.6	93.0
>= 1500	4.8	52.3	67.4	78.7	87.4	88.3	90.9	92.2	92.2	92.8	93.2	93.2	93.6	93.7	94.0	94.4
>= 1200	4.8	52.8	68.1	79.5	88.1	89.0	91.7	93.0	93.0	93.6	94.0	94.0	94.4	94.5	94.8	95.2
>= 1000	4.8	53.3	68.8	80.5	89.2	90.1	93.0	94.3	94.3	95.1	95.4	95.4	95.9	96.0	96.2	96.7
>= 900	4.8	53.4	69.0	80.6	89.3	90.2	93.1	94.4	94.4	95.2	95.5	95.5	96.0	96.1	96.3	96.8
>= 800	4.8	53.5	69.0	80.9	89.7	90.6	93.5	94.8	94.8	95.5	95.9	95.9	96.3	96.4	96.7	97.1
>= 700	4.8	53.5	69.1	81.1	89.9	90.8	93.6	95.0	95.0	95.7	96.1	96.1	96.5	96.6	96.9	97.3
>= 600	4.8	53.7	69.4	81.4	90.2	91.1	94.0	95.3	95.3	96.1	96.4	96.4	96.9	97.0	97.2	97.7
>= 500	4.8	53.9	69.7	81.7	90.7	91.7	94.6	96.0	96.0	96.7	97.0	97.0	97.5	97.6	97.8	98.3
>= 400	4.8	53.9	69.8	82.0	91.0	92.1	95.0	96.3	96.3	97.0	97.4	97.4	97.8	97.9	98.2	98.7
>= 300	4.8	54.1	70.0	82.2	91.2	92.3	95.2	96.6	96.6	97.3	97.7	97.7	98.2	98.3	98.6	99.0
>= 200	4.8	54.2	70.0	82.2	91.3	92.4	95.3	96.8	96.8	97.5	97.8	97.8	98.4	98.5	98.7	99.2
>= 100	4.8	54.2	70.0	82.2	91.3	92.4	95.3	96.8	96.8	97.6	97.9	97.9	98.6	98.7	98.9	99.5
>= 0	4.8	54.2	70.0	82.2	91.3	92.4	95.3	96.8	96.8	97.6	97.9	97.9	98.6	98.7	99.1	100.0

TOTAL NO. OF OBS : 1115

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	3.0	29.6	35.5	42.4	48.1	50.6	52.9	53.6	53.7	54.1	54.1	54.1	54.2	54.3	54.4	54.6
>=20000	3.1	32.5	39.4	47.2	53.6	56.3	58.8	59.9	60.0	60.3	60.4	60.4	60.6	60.7	60.7	60.9
>=18000	3.2	32.7	39.7	47.5	53.9	56.6	59.1	60.2	60.2	60.6	60.7	60.7	60.8	60.9	61.0	61.2
>=16000	3.2	32.8	39.8	47.5	54.0	56.6	59.1	60.2	60.3	60.7	60.7	60.7	60.9	61.0	61.1	61.2
>=14000	3.2	33.2	40.3	48.2	54.8	57.6	60.1	61.2	61.2	61.6	61.7	61.7	61.8	61.9	62.0	62.2
>=12000	3.3	35.5	43.0	51.5	58.5	61.2	63.7	64.8	64.9	65.2	65.3	65.3	65.5	65.6	65.7	65.8
>=10000	3.7	39.0	47.5	56.7	64.2	67.0	69.8	71.1	71.2	71.5	71.6	71.6	71.8	71.8	71.9	72.1
>= 9000	3.7	39.8	48.4	57.7	65.3	68.2	71.0	72.3	72.3	72.8	72.8	72.8	73.0	73.1	73.2	73.4
>= 8000	3.8	42.5	51.8	62.2	70.3	73.2	76.1	77.4	77.5	78.1	78.2	78.2	78.4	78.4	78.5	78.7
>= 7000	3.8	43.4	52.8	63.2	71.3	74.3	77.3	78.7	78.8	79.4	79.4	79.4	79.6	79.7	79.8	79.9
>= 6000	3.8	43.7	53.2	63.6	71.9	74.9	77.9	79.3	79.4	79.9	80.0	80.0	80.2	80.3	80.4	80.5
>= 5000	3.8	44.2	53.9	64.4	72.8	75.8	78.8	80.2	80.3	80.9	81.0	81.0	81.1	81.2	81.3	81.5
>= 4500	3.8	44.3	54.1	64.7	73.1	76.0	79.0	80.5	80.5	81.1	81.2	81.2	81.4	81.5	81.5	81.7
>= 4000	3.8	44.7	54.7	65.6	74.1	77.1	80.2	81.6	81.7	82.3	82.4	82.4	82.5	82.6	82.7	82.9
>= 3500	3.8	44.9	55.0	65.9	74.4	77.4	80.6	82.0	82.1	82.7	82.8	82.8	83.0	83.0	83.1	83.3
>= 3000	3.8	45.6	55.9	67.0	75.6	78.8	82.0	83.5	83.5	84.1	84.2	84.2	84.4	84.5	84.5	84.7
>= 2500	4.0	46.2	56.9	68.3	76.9	80.1	83.5	85.0	85.0	85.8	85.9	85.9	86.0	86.1	86.2	86.4
>= 2000	4.0	47.0	57.9	69.5	78.6	81.9	85.4	87.0	87.1	87.8	87.9	87.9	88.1	88.1	88.2	88.4
>= 1800	4.1	47.2	58.2	69.8	79.0	82.3	85.9	87.5	87.6	88.3	88.4	88.4	88.6	88.6	88.7	88.9
>= 1500	4.1	48.1	59.5	71.3	80.5	83.8	87.6	89.3	89.4	90.1	90.2	90.2	90.4	90.5	90.6	90.7
>= 1200	4.1	48.5	60.1	72.0	81.3	84.9	88.8	90.5	90.6	91.3	91.4	91.4	91.6	91.6	91.7	91.9
>= 1000	4.3	49.4	61.0	73.0	82.5	86.1	90.1	91.7	91.8	92.6	92.6	92.6	92.8	92.9	93.0	93.1
>= 900	4.3	49.7	61.4	73.4	83.0	86.6	90.6	92.2	92.3	93.1	93.1	93.1	93.3	93.4	93.5	93.7
>= 800	4.6	50.9	62.7	74.9	84.5	88.1	92.3	94.0	94.1	94.8	94.9	94.9	95.1	95.2	95.2	95.4
>= 700	4.6	51.0	62.8	75.2	85.0	88.6	93.0	94.7	94.9	95.7	95.7	95.7	95.9	96.0	96.1	96.2
>= 600	4.7	51.4	63.2	75.7	85.6	89.3	93.7	95.6	95.7	96.5	96.6	96.6	96.7	96.8	96.9	97.1
>= 500	4.8	51.7	63.5	76.1	86.2	90.0	94.8	96.8	97.0	97.8	97.9	97.9	98.1	98.2	98.2	98.4
>= 400	4.8	51.8	63.6	76.3	86.4	90.2	95.2	97.2	97.3	98.2	98.3	98.3	98.5	98.6	98.7	98.8
>= 300	4.8	51.8	63.6	76.3	86.4	90.3	95.2	97.2	97.4	98.3	98.6	98.6	98.7	98.8	98.9	99.1
>= 200	4.8	51.9	63.7	76.4	86.5	90.4	95.3	97.4	97.6	98.6	98.8	98.8	99.1	99.2	99.2	99.4
>= 100	4.8	51.9	63.7	76.4	86.5	90.4	95.3	97.4	97.6	98.7	99.0	99.0	99.2	99.3	99.4	99.6
>= 0	4.8	51.9	63.7	76.4	86.5	90.4	95.4	97.5	97.7	98.7	99.1	99.1	99.3	99.4	99.6	100.0

TOTAL NO. OF OBS : 1197

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.6	38.9	45.5	49.4	51.5	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
>=20000	5.8	43.1	50.3	54.7	56.9	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
>=18000	5.8	43.2	50.3	54.8	57.0	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
>=16000	5.8	43.4	50.6	55.0	57.2	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
>=14000	5.8	44.2	51.4	56.1	58.3	58.8	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
>=12000	6.1	46.6	54.3	59.0	61.3	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
>=10000	6.5	49.9	58.2	63.5	66.1	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
>= 9000	6.6	50.4	58.7	64.0	66.6	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
>= 8000	6.8	53.1	62.4	68.0	70.8	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
>= 7000	6.8	53.5	62.9	68.4	71.2	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
>= 6000	6.8	53.7	63.1	68.7	71.4	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
>= 5000	6.8	53.9	63.5	69.2	72.0	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
>= 4500	6.8	54.0	63.6	69.3	72.3	72.8	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
>= 4000	7.0	55.0	64.6	70.5	73.4	74.0	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
>= 3500	7.1	55.4	65.1	71.1	74.2	74.8	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
>= 3000	7.2	56.9	67.2	73.5	77.0	77.6	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
>= 2500	7.3	58.3	68.9	75.7	79.3	80.0	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
>= 2000	7.4	61.3	72.5	80.1	83.9	84.5	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
>= 1800	7.4	61.5	72.7	80.3	84.0	84.7	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
>= 1500	7.6	65.5	77.3	85.6	89.7	90.4	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
>= 1200	7.8	67.0	79.2	87.6	91.8	92.5	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
>= 1000	7.8	68.7	81.2	90.3	94.9	95.7	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
>= 900	7.8	68.7	81.2	90.3	95.0	95.9	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
>= 800	7.9	69.0	81.7	91.2	95.9	96.9	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
>= 700	7.9	69.2	82.0	91.5	96.2	97.3	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
>= 600	7.9	69.3	82.1	91.7	96.5	97.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
>= 500	7.9	69.5	82.3	91.9	96.8	98.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
>= 400	7.9	69.5	82.3	91.9	96.8	98.2	99.3	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
>= 300	7.9	69.5	82.3	91.9	96.8	98.2	99.3	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
>= 200	7.9	69.5	82.3	91.9	96.8	98.2	99.3	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
>= 100	7.9	69.5	82.3	91.9	96.8	98.2	99.3	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
>= 0	7.9	69.5	82.3	91.9	96.8	98.2	99.3	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 1190

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.5	38.7	43.3	46.6	48.1	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
>=20000	5.7	43.7	49.0	53.0	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
>=18000	5.7	43.8	49.2	53.2	55.1	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
>=16000	5.7	43.8	49.3	53.4	55.2	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
>=14000	5.7	44.2	49.6	53.8	55.7	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
>=12000	6.0	46.5	52.2	56.5	58.5	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
>=10000	6.4	49.9	55.8	60.9	63.1	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
>= 9000	6.5	50.3	56.3	61.4	63.7	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
>= 8000	6.8	53.1	59.8	65.1	67.4	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
>= 7000	6.8	53.4	60.2	65.4	67.7	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
>= 6000	6.8	53.5	60.4	65.7	68.0	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
>= 5000	6.8	54.0	61.0	66.6	69.0	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
>= 4500	6.8	54.3	61.3	67.0	69.4	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
>= 4000	7.1	55.7	62.9	68.7	71.1	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
>= 3500	7.1	56.3	63.7	69.6	72.2	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
>= 3000	8.0	61.6	70.4	77.4	80.4	81.0	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
>= 2500	8.3	64.5	73.9	81.1	84.6	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
>= 2000	8.5	68.5	79.0	86.8	90.4	91.1	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
>= 1800	8.5	68.9	79.4	87.2	90.8	91.5	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
>= 1500	9.0	71.2	82.1	90.8	94.6	95.2	95.8	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
>= 1200	9.0	71.7	82.8	91.6	95.3	96.0	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
>= 1000	9.0	71.9	83.3	92.1	95.8	96.6	97.4	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7
>= 900	9.0	72.2	83.7	92.4	96.2	96.9	97.7	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1
>= 800	9.0	72.3	83.9	92.7	96.8	97.5	98.3	98.5	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.8
>= 700	9.0	72.3	84.0	92.8	97.0	97.9	98.9	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4
>= 600	9.0	72.4	84.1	92.9	97.3	98.1	99.1	99.3	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7
>= 500	9.0	72.4	84.1	92.9	97.3	98.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8
>= 400	9.0	72.4	84.1	92.9	97.3	98.1	99.2	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9
>= 300	9.0	72.4	84.1	92.9	97.3	98.1	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0
>= 200	9.0	72.4	84.1	92.9	97.3	98.1	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0
>= 100	9.0	72.4	84.1	92.9	97.3	98.1	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0
>= 0	9.0	72.4	84.1	92.9	97.3	98.1	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 1175

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.6	40.3	46.1	49.6	51.6	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
>=20000	5.9	44.9	51.8	55.9	58.2	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
>=18000	5.9	45.0	51.9	55.9	58.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
>=16000	5.9	45.1	52.0	56.1	58.5	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
>=14000	5.9	45.4	52.4	56.5	58.9	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
>=12000	5.9	47.0	54.3	58.5	60.9	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
>=10000	6.4	50.6	58.9	63.3	66.0	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
>= 9000	6.4	51.0	59.3	63.8	66.5	67.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
>= 8000	6.6	54.4	63.5	68.7	71.4	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
>= 7000	6.6	55.1	64.5	69.7	72.4	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
>= 6000	6.6	55.4	64.8	70.0	72.8	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
>= 5000	6.7	56.2	66.0	71.6	74.5	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
>= 4500	6.8	56.4	66.2	71.9	74.7	75.5	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
>= 4000	6.8	58.2	68.9	74.7	77.7	78.5	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
>= 3500	6.9	58.8	69.9	75.7	78.8	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
>= 3000	7.3	62.2	74.3	81.2	84.5	85.4	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
>= 2500	7.4	63.8	77.0	84.0	87.5	88.4	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
>= 2000	7.4	66.2	79.7	87.3	91.2	92.4	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
>= 1800	7.4	66.2	79.7	87.3	91.2	92.4	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
>= 1500	7.4	67.0	80.8	88.7	92.7	94.1	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
>= 1200	7.4	67.5	81.4	89.5	93.6	94.9	96.2	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
>= 1000	7.4	67.8	81.9	90.0	94.4	95.7	97.1	97.2	97.2	97.4	97.5	97.5	97.6	97.6	97.6	97.6
>= 900	7.4	67.9	82.0	90.1	94.5	95.8	97.2	97.3	97.3	97.6	97.7	97.7	97.8	97.8	97.8	97.8
>= 800	7.4	68.1	82.2	90.2	94.7	96.1	97.5	97.7	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3
>= 700	7.4	68.1	82.3	90.4	94.9	96.3	97.9	98.0	98.0	98.5	98.7	98.7	98.8	98.8	98.8	98.8
>= 600	7.4	68.3	82.5	90.7	95.1	96.7	98.3	98.6	98.6	99.0	99.3	99.3	99.4	99.4	99.4	99.4
>= 500	7.4	68.3	82.5	90.7	95.1	96.7	98.3	98.8	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.6
>= 400	7.4	68.3	82.5	90.7	95.1	96.7	98.3	98.8	98.8	99.3	99.6	99.6	99.7	99.7	99.7	99.7
>= 300	7.4	68.3	82.5	90.7	95.1	96.7	98.3	98.8	98.8	99.3	99.6	99.6	99.9	99.9	100.0	100.0
>= 200	7.4	68.3	82.5	90.7	95.1	96.7	98.3	98.8	98.8	99.3	99.6	99.6	99.9	99.9	100.0	100.0
>= 100	7.4	68.3	82.5	90.7	95.1	96.7	98.3	98.8	98.8	99.3	99.6	99.6	99.9	99.9	100.0	100.0
>= 0	7.4	68.3	82.5	90.7	95.1	96.7	98.3	98.8	98.8	99.3	99.6	99.6	99.9	99.9	100.0	100.0

TOTAL NO. OF OBS : 1128

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	4.6	38.3	45.8	49.5	52.5	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
>=20000	4.8	43.9	52.9	57.7	61.8	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
>=18000	4.8	43.9	52.9	57.7	61.8	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
>=16000	4.8	44.1	53.1	57.9	62.0	62.8	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
>=14000	4.8	44.7	53.8	58.6	62.7	63.5	63.6	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9
>=12000	5.0	47.5	57.2	62.3	66.4	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
>=10000	5.5	51.5	62.7	68.6	73.0	73.8	73.9	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2
>= 9000	5.5	52.1	63.3	69.4	73.7	74.6	74.7	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0
>= 8000	5.7	55.3	67.5	74.4	79.0	79.9	80.2	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6
>= 7000	5.7	56.1	68.4	75.3	80.1	81.0	81.3	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
>= 6000	5.8	56.8	69.2	76.2	81.2	82.1	82.4	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8
>= 5000	5.8	57.4	70.2	77.4	82.7	83.7	84.0	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5
>= 4500	5.8	57.5	70.4	77.7	83.1	84.1	84.6	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1
>= 4000	6.1	58.9	72.1	79.8	85.4	86.4	86.9	87.2	87.2	87.2	87.4	87.4	87.5	87.5	87.5	87.5
>= 3500	6.2	59.3	72.7	80.3	86.0	87.0	87.4	87.8	87.8	87.8	88.0	88.0	88.1	88.1	88.1	88.1
>= 3000	6.3	60.3	74.4	82.4	88.6	89.7	90.2	90.5	90.5	90.5	90.7	90.7	90.9	90.9	90.9	90.9
>= 2500	6.3	61.2	75.3	83.4	89.7	90.9	91.3	91.8	91.8	91.8	92.0	92.0	92.2	92.2	92.2	92.2
>= 2000	6.3	62.0	76.4	84.9	91.2	92.4	93.0	93.4	93.4	93.4	93.6	93.6	93.9	93.9	93.9	93.9
>= 1800	6.3	62.0	76.4	85.0	91.3	92.6	93.2	93.6	93.6	93.6	93.8	93.8	94.1	94.1	94.1	94.1
>= 1500	6.4	62.6	77.1	85.8	92.3	93.7	94.3	94.9	94.9	94.9	95.1	95.1	95.4	95.4	95.4	95.4
>= 1200	6.4	62.9	77.6	86.4	93.0	94.4	95.2	95.7	95.7	95.7	95.9	95.9	96.3	96.3	96.3	96.3
>= 1000	6.4	63.4	78.3	87.4	94.2	95.7	96.7	97.3	97.3	97.4	97.8	97.8	98.2	98.2	98.2	98.2
>= 900	6.4	63.4	78.3	87.4	94.2	95.7	96.8	97.4	97.4	97.5	97.9	97.9	98.3	98.3	98.3	98.3
>= 800	6.4	63.5	78.5	87.8	94.6	96.2	97.3	97.8	97.8	98.0	98.4	98.4	98.7	98.7	98.7	98.7
>= 700	6.4	63.7	78.7	88.0	94.8	96.4	97.6	98.3	98.3	98.5	98.8	98.8	99.2	99.2	99.2	99.2
>= 600	6.4	63.7	78.7	88.0	94.8	96.4	97.6	98.5	98.5	98.7	99.1	99.1	99.5	99.5	99.5	99.5
>= 500	6.4	63.8	78.8	88.1	94.9	96.4	97.9	98.9	98.9	99.1	99.5	99.5	99.8	99.8	99.8	99.8
>= 400	6.4	63.8	78.8	88.1	94.9	96.4	97.9	98.9	98.9	99.1	99.5	99.5	99.8	99.8	99.8	99.8
>= 300	6.4	63.8	78.8	88.1	94.9	96.4	97.9	98.9	98.9	99.1	99.5	99.5	99.8	99.8	99.8	99.9
>= 200	6.4	63.8	78.8	88.1	94.9	96.4	97.9	98.9	98.9	99.1	99.5	99.5	99.8	99.8	99.8	99.9
>= 100	6.4	63.8	78.8	88.1	94.9	96.4	97.9	98.9	98.9	99.1	99.5	99.5	99.9	99.9	99.9	100.0
>= 0	6.4	63.8	78.8	88.1	94.9	96.4	97.9	98.9	98.9	99.1	99.5	99.5	99.9	99.9	99.9	100.0

TOTAL NO. OF OBS : 1097

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.6	44.5	53.2	58.3	61.4	61.8	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
>=20000	5.6	47.7	57.3	63.3	67.2	67.5	68.0	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4
>=18000	5.6	47.7	57.3	63.3	67.2	67.5	68.0	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4
>=16000	5.6	47.8	57.4	63.4	67.2	67.6	68.1	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5
>=14000	5.7	48.3	58.0	64.0	67.8	68.2	68.6	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1
>=12000	5.8	49.8	59.6	65.6	69.5	69.9	70.3	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8
>=10000	6.4	53.7	64.9	71.2	75.3	75.7	76.3	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7
>= 9000	6.4	53.9	65.1	71.6	75.7	76.1	76.6	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1
>= 8000	6.5	56.3	69.0	76.0	80.3	80.8	81.3	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8
>= 7000	6.6	56.6	69.3	76.4	80.8	81.3	81.8	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3
>= 6000	6.6	56.9	69.9	77.1	81.4	81.9	82.4	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9
>= 5000	6.6	57.6	70.9	78.3	83.0	83.5	84.1	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5
>= 4500	6.6	57.8	71.1	78.5	83.2	83.7	84.3	84.6	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8
>= 4000	7.0	58.8	72.4	80.0	84.7	85.3	85.8	86.2	86.2	86.3	86.3	86.3	86.4	86.4	86.4	86.4
>= 3500	7.0	59.3	73.0	80.5	85.4	85.9	86.4	86.8	86.8	86.9	86.9	86.9	87.0	87.0	87.0	87.0
>= 3000	7.1	61.2	75.7	83.8	89.3	89.9	90.4	90.8	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0
>= 2500	7.1	62.2	77.1	85.2	90.6	91.4	92.0	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5
>= 2000	7.3	63.6	78.7	87.0	92.6	93.4	94.0	94.4	94.4	94.6	94.6	94.6	94.7	94.7	94.7	94.7
>= 1800	7.3	63.7	78.8	87.2	92.8	93.6	94.2	94.5	94.5	94.8	94.8	94.8	94.9	94.9	94.9	94.9
>= 1500	7.3	64.4	79.9	88.6	94.6	95.5	96.2	96.5	96.5	96.8	96.8	96.8	96.9	96.9	96.9	96.9
>= 1200	7.3	64.5	80.3	89.2	95.2	96.2	96.9	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.6
>= 1000	7.3	64.5	80.3	89.4	95.5	96.5	97.4	97.8	97.8	98.1	98.1	98.1	98.2	98.2	98.2	98.2
>= 900	7.3	64.6	80.5	89.5	95.7	96.7	97.5	98.0	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4
>= 800	7.3	64.8	80.7	89.7	96.0	97.0	97.9	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7
>= 700	7.3	64.8	80.8	89.8	96.1	97.1	98.0	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8
>= 600	7.3	65.0	81.0	90.0	96.3	97.3	98.2	98.6	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0
>= 500	7.3	65.2	81.3	90.4	96.8	97.8	98.7	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6
>= 400	7.3	65.2	81.4	90.5	97.0	98.0	98.9	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9
>= 300	7.3	65.3	81.5	90.6	97.1	98.1	99.0	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0
>= 200	7.3	65.3	81.5	90.6	97.1	98.1	99.0	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0
>= 100	7.3	65.3	81.5	90.6	97.1	98.1	99.0	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0
>= 0	7.3	65.3	81.5	90.6	97.1	98.1	99.0	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 1099

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	4.8	38.4	45.4	50.4	53.6	54.4	55.0	55.4	55.4	55.5	55.6	55.6	55.7	55.7	55.7	55.8
>=20000	5.0	42.3	50.3	56.1	60.0	60.8	61.6	62.0	62.1	62.2	62.3	62.3	62.4	62.4	62.4	62.5
>=18000	5.0	42.4	50.4	56.2	60.1	60.9	61.7	62.1	62.2	62.3	62.4	62.4	62.5	62.5	62.5	62.6
>=16000	5.0	42.5	50.5	56.3	60.2	61.1	61.9	62.3	62.3	62.4	62.5	62.5	62.6	62.6	62.7	62.7
>=14000	5.0	42.9	51.1	56.9	60.9	61.7	62.5	62.9	62.9	63.1	63.2	63.2	63.3	63.3	63.3	63.4
>=12000	5.2	44.8	53.3	59.3	63.4	64.2	65.0	65.4	65.5	65.6	65.7	65.7	65.8	65.8	65.9	65.9
>=10000	5.6	48.6	58.0	64.6	69.0	69.9	70.7	71.2	71.2	71.4	71.4	71.4	71.5	71.6	71.6	71.7
>= 9000	5.6	49.0	58.5	65.2	69.6	70.5	71.3	71.8	71.8	72.0	72.0	72.0	72.1	72.2	72.2	72.3
>= 8000	5.8	52.0	62.4	69.7	74.4	75.3	76.3	76.7	76.7	76.9	77.0	77.0	77.1	77.1	77.2	77.3
>= 7000	5.9	52.6	63.2	70.5	75.2	76.2	77.1	77.6	77.6	77.8	77.9	77.9	78.0	78.0	78.0	78.1
>= 6000	5.9	52.9	63.5	70.9	75.7	76.6	77.6	78.0	78.1	78.3	78.3	78.3	78.4	78.5	78.5	78.6
>= 5000	5.9	53.5	64.4	72.0	76.9	77.9	78.9	79.4	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.9
>= 4500	5.9	53.6	64.6	72.2	77.2	78.2	79.2	79.7	79.7	79.9	80.0	80.0	80.1	80.1	80.1	80.2
>= 4000	6.1	54.7	66.0	73.8	78.8	79.8	80.9	81.4	81.4	81.6	81.7	81.7	81.8	81.8	81.9	81.9
>= 3500	6.1	55.1	66.5	74.3	79.4	80.5	81.5	82.0	82.0	82.2	82.3	82.3	82.4	82.5	82.5	82.6
>= 3000	6.4	57.2	69.3	77.8	83.3	84.4	85.5	86.0	86.0	86.2	86.3	86.3	86.5	86.5	86.5	86.6
>= 2500	6.4	58.3	70.9	79.6	85.2	86.3	87.5	88.0	88.1	88.3	88.4	88.4	88.5	88.6	88.6	88.7
>= 2000	6.5	60.1	73.1	82.3	88.1	89.3	90.5	91.1	91.1	91.4	91.5	91.5	91.6	91.6	91.7	91.8
>= 1800	6.5	60.3	73.3	82.5	88.3	89.5	90.7	91.3	91.3	91.6	91.7	91.7	91.8	91.9	91.9	92.0
>= 1500	6.7	61.6	75.0	84.5	90.5	91.8	93.1	93.7	93.8	94.1	94.2	94.2	94.3	94.3	94.4	94.5
>= 1200	6.7	62.1	75.7	85.4	91.4	92.8	94.2	94.8	94.9	95.2	95.3	95.3	95.4	95.4	95.5	95.6
>= 1000	6.7	62.6	76.5	86.3	92.6	93.9	95.4	96.1	96.1	96.5	96.7	96.7	96.8	96.8	96.9	96.9
>= 900	6.7	62.8	76.6	86.5	92.8	94.1	95.7	96.4	96.4	96.8	96.9	96.9	97.1	97.1	97.1	97.2
>= 800	6.8	63.1	77.0	87.0	93.3	94.7	96.3	97.0	97.1	97.5	97.6	97.6	97.8	97.8	97.8	97.9
>= 700	6.8	63.2	77.2	87.2	93.6	95.0	96.7	97.5	97.5	97.9	98.0	98.0	98.2	98.2	98.3	98.3
>= 600	6.8	63.4	77.4	87.5	93.9	95.4	97.1	97.9	97.9	98.3	98.5	98.5	98.7	98.7	98.7	98.8
>= 500	6.8	63.5	77.5	87.7	94.2	95.7	97.5	98.4	98.4	98.8	99.0	99.0	99.2	99.2	99.2	99.3
>= 400	6.8	63.5	77.6	87.8	94.3	95.8	97.7	98.6	98.6	99.0	99.2	99.2	99.4	99.4	99.5	99.5
>= 300	6.8	63.5	77.6	87.8	94.4	95.9	97.8	98.7	98.7	99.1	99.4	99.4	99.6	99.6	99.6	99.7
>= 200	6.8	63.5	77.6	87.8	94.4	95.9	97.8	98.7	98.7	99.2	99.4	99.4	99.6	99.7	99.7	99.8
>= 100	6.8	63.5	77.6	87.8	94.4	95.9	97.8	98.7	98.7	99.2	99.5	99.5	99.7	99.7	99.8	99.9
>= 0	6.8	63.5	77.6	87.8	94.4	95.9	97.8	98.7	98.8	99.2	99.5	99.5	99.7	99.7	99.8	100.0

TOTAL NO. OF OBS : 9111

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : AUG
CLASS : ALL WEATHER HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.4	.9	1.1	.2	.0	.0	.0	.0	.0	.0	.0	2.6	6.4
NNE	.3	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	3.0	8.0
NE	1.0	1.1	.6	.4	.1	.0	.0	.0	.0	.0	.0	3.2	6.2
ENE	.6	1.6	.7	.4	.0	.1	.0	.0	.0	.0	.0	3.4	6.7
E	1.5	.8	.5	.3	.0	.0	.0	.0	.0	.0	.0	3.1	4.8
ESE	.5	1.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	2.1	4.8
SE	.8	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.2
SSE	1.3	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	2.6	4.2
S	4.3	4.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	9.6	3.9
SSW	2.1	5.6	3.5	.5	.0	.0	.0	.0	.0	.0	.0	11.7	5.8
SW	6.2	5.8	3.2	.7	.0	.0	.0	.0	.0	.0	.0	16.0	4.9
WSW	4.0	2.7	1.6	.0	.0	.0	.0	.0	.0	.0	.0	8.3	4.2
W	1.9	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	3.5	3.8
WNW	.3	.5	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.0	5.1
NW	.3	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.8
NNW	.6	.3	.3	.2	.0	.0	.1	.0	.0	.0	.0	1.5	6.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.7	.0
ALL	26.2	29.6	14.5	3.7	.2	.1	.1	.0	.0	.0	.0	100.0	3.8

TOTAL NO. OF OBS : 1147

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : AUG
CLASS : ALL WEATHER HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.0	1.4	1.3	.2	.0	.0	.0	.0	.0	.0	.0	3.9	5.6
NNE	.9	.8	1.6	.5	.0	.0	.0	.0	.0	.0	.0	3.8	6.9
NE	1.0	1.2	1.3	.9	.0	.0	.0	.0	.0	.0	.0	4.4	6.8
ENE	.5	.8	.4	.6	.0	.0	.0	.1	.0	.0	.0	2.4	8.1
E	.8	.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	1.9	5.6
ESE	.4	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0	1.4	7.4
SE	.8	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.1
SSE	.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.2
S	2.4	2.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	5.2	3.9
SSW	3.1	4.5	2.3	.2	.0	.0	.0	.0	.0	.0	.0	10.0	5.0
SW	6.3	6.7	3.0	.3	.0	.0	.0	.0	.0	.0	.0	16.2	4.6
WSW	3.6	4.3	1.6	.2	.0	.0	.0	.0	.0	.0	.0	9.6	4.6
W	2.4	1.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	4.4	3.7
WNW	.9	1.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	2.2	4.7
NW	1.0	.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.5	4.6
NNW	.6	.3	.4	.2	.1	.0	.0	.0	.0	.0	.0	1.7	6.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28.4	.0
ALL	26.5	26.4	14.7	3.4	.3	.0	.0	.1	.0	.0	.0	100.0	3.6

TOTAL NO. OF OBS : 1146

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.1	1.8	2.4	.6	.2	.0	.0	.0	.0	.0	.0	6.1	6.9
NNE	.6	1.9	2.3	1.3	.1	.0	.0	.0	.0	.0	.0	6.1	7.9
NE	.5	1.4	2.0	.8	.1	.0	.0	.0	.0	.0	.0	4.8	7.5
ENE	.5	1.0	1.1	.6	.0	.0	.0	.0	.0	.0	.0	3.2	7.3
E	.3	.9	.8	.2	.1	.1	.0	.0	.0	.0	.0	2.4	7.8
ESE	.6	.9	.5	.2	.1	.1	.0	.0	.0	.0	.0	2.3	6.8
SE	.7	1.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	2.4	4.6
SSE	1.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.4
S	2.1	2.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	5.6	4.3
SSW	2.0	4.4	2.5	.6	.0	.0	.0	.0	.0	.0	.0	9.5	5.8
SW	3.4	7.0	4.8	.6	.2	.0	.0	.0	.0	.0	.0	15.9	5.7
WSW	3.6	5.0	2.1	.6	.0	.0	.0	.0	.0	.0	.0	11.3	5.2
W	2.4	1.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	4.7	4.0
WNW	.8	1.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.4
NW	.6	.9	.7	.2	.0	.0	.0	.0	.0	.0	.0	2.4	6.0
NNW	.7	.5	.5	.3	.1	.0	.1	.0	.0	.0	.0	2.2	7.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.2	.0
ALL	21.0	33.1	21.5	6.2	.7	.2	.1	.0	.0	.0	.0	100.0	4.9

TOTAL NO. OF OBS : 1232

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.9	1.7	2.4	2.0	.0	.0	.0	.0	.0	.0	.0	7.0	8.1
NNE	.1	2.0	4.1	1.9	.1	.0	.0	.0	.0	.0	.0	8.2	8.7
NE	.2	1.3	4.1	1.5	.2	.0	.0	.0	.0	.0	.0	7.3	8.9
ENE	.8	2.9	1.9	1.5	.0	.0	.0	.0	.0	.0	.0	7.1	7.5
E	.9	3.6	1.9	.6	.1	.1	.0	.0	.0	.0	.0	7.1	6.7
ESE	.4	1.5	1.2	.5	.2	.1	.0	.0	.0	.0	.0	3.9	7.6
SE	.4	.8	.6	.3	.0	.0	.0	.0	.0	.0	.0	2.1	6.7
SSE	.7	1.5	.5	.3	.0	.0	.0	.0	.0	.0	.0	3.0	5.7
S	1.2	2.4	1.1	.1	.0	.0	.0	.0	.0	.0	.0	4.7	5.3
SSW	.9	3.5	3.5	1.3	.1	.0	.0	.0	.0	.0	.0	9.2	7.3
SW	.8	3.2	5.1	1.5	.2	.0	.0	.0	.0	.0	.0	10.8	7.8
WSW	1.3	3.1	3.4	1.2	.0	.0	.0	.0	.0	.0	.0	9.0	7.0
W	1.5	4.0	.7	.2	.0	.0	.0	.0	.0	.0	.0	6.3	5.0
WNW	1.0	.7	.6	.2	.0	.0	.0	.0	.0	.0	.0	2.5	5.3
NW	.8	1.2	1.3	.5	.0	.1	.0	.1	.0	.0	.0	4.0	7.8
NNW	.7	1.5	1.9	.6	.0	.0	.0	.0	.0	.0	.0	4.7	7.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0
ALL	12.7	34.9	34.1	14.4	.7	.2	.0	.1	.0	.0	.0	100.0	7.0

TOTAL NO. OF OBS : 1233

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : AUG
CLASS : ALL WEATHER HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.5	2.0	2.5	1.4	.0	.0	.0	.0	.0	.0	.0	6.4	7.7
NNE	.0	1.5	2.1	1.9	.0	.0	.0	.0	.0	.0	.0	5.5	9.4
NE	.3	2.4	3.7	1.8	.1	.0	.0	.0	.0	.0	.0	8.2	8.3
ENE	.5	3.3	4.4	1.6	.1	.0	.0	.0	.0	.0	.0	9.9	8.0
E	1.0	5.3	5.4	1.4	.0	.0	.1	.0	.0	.0	.0	13.1	7.1
ESE	.4	2.3	4.3	1.3	.2	.2	.0	.0	.0	.0	.0	8.6	8.3
SE	.2	1.7	3.2	1.1	.0	.0	.0	.0	.0	.0	.0	6.2	8.1
SSE	.4	1.3	1.3	.5	.0	.0	.0	.0	.0	.0	.0	3.5	7.0
S	.4	2.9	2.0	.3	.1	.0	.0	.0	.0	.0	.0	5.7	6.7
SSW	.4	1.1	3.4	1.4	.2	.0	.0	.0	.0	.0	.0	6.5	8.8
SW	.7	2.0	3.9	1.8	.2	.0	.0	.0	.0	.0	.0	8.7	8.3
WSW	.2	1.8	2.4	1.1	.0	.0	.0	.0	.0	.0	.0	5.4	8.1
W	.2	1.0	1.2	.3	.0	.0	.0	.0	.0	.0	.0	2.8	7.0
WNW	.2	.5	.5	.2	.0	.0	.1	.0	.0	.0	.0	1.5	7.9
NW	.2	1.1	.9	.2	.1	.1	.0	.0	.0	.0	.0	2.5	7.5
NNW	.3	1.1	2.2	.8	.0	.0	.0	.0	.0	.0	.0	4.4	8.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0
ALL	6.0	31.3	43.3	17.0	.9	.2	.2	.0	.0	.0	.0	100.0	7.9

TOTAL NO. OF OBS : 1230

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.4	2.1	2.4	.9	.0	.0	.1	.0	.0	.0	.0	5.9	7.7
NNE	.3	1.7	2.4	1.0	.0	.0	.0	.0	.0	.0	.0	5.3	8.0
NE	.3	1.6	3.1	1.6	.1	.1	.0	.0	.0	.0	.0	6.8	8.8
ENE	.8	3.0	3.5	1.0	.0	.1	.0	.0	.0	.0	.0	8.5	7.3
E	1.5	7.9	4.9	.7	.0	.1	.0	.0	.0	.0	.0	15.1	6.3
ESE	.9	5.1	4.4	.9	.0	.1	.0	.0	.0	.0	.0	11.4	7.0
SE	.3	3.3	4.8	1.0	.2	.0	.0	.0	.0	.0	.0	9.7	7.7
SSE	.3	1.9	2.8	.5	.0	.0	.0	.0	.0	.0	.0	5.5	7.2
S	.8	3.0	2.8	.5	.0	.0	.0	.0	.0	.0	.0	7.1	6.9
SSW	.1	1.4	3.8	1.0	.1	.0	.0	.0	.0	.0	.0	6.4	8.5
SW	.4	1.5	3.6	1.2	.0	.0	.0	.0	.0	.0	.0	6.7	8.1
WSW	.2	.8	2.2	.4	.1	.0	.0	.0	.0	.0	.0	3.7	8.0
W	.3	.5	.6	.2	.0	.0	.0	.0	.0	.0	.0	1.5	6.6
WNW	.1	.3	.3	.0	.1	.0	.0	.0	.0	.0	.0	.8	7.7
NW	.2	.7	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.3	6.2
NNW	.3	1.5	1.1	.3	.1	.0	.0	.0	.0	.0	.0	3.3	7.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0
ALL	7.3	36.3	42.9	11.3	.7	.3	.1	.0	.0	.0	.0	100.0	7.3

TOTAL NO. OF OBS : 1181

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.3	1.5	.7	.3	.1	.0	.0	.0	.0	.0	.0	3.8	5.5
NNE	.5	1.2	.8	.4	.0	.1	.0	.0	.0	.0	.0	3.0	7.1
NE	1.4	2.2	2.4	1.1	.2	.0	.0	.0	.0	.0	.0	7.2	7.2
ENE	1.5	1.9	1.1	.3	.1	.0	.0	.0	.0	.0	.0	4.8	5.8
E	3.5	2.4	1.2	.3	.1	.0	.0	.0	.0	.0	.0	7.6	4.7
ESE	4.2	4.4	.4	.1	.0	.0	.1	.0	.0	.0	.0	9.2	4.0
SE	4.7	5.3	1.5	.0	.1	.0	.0	.0	.0	.0	.0	11.6	4.3
SSE	3.6	5.9	1.5	.2	.0	.0	.0	.0	.0	.0	.0	11.1	4.6
S	3.8	8.1	2.2	.3	.0	.0	.0	.0	.0	.0	.0	14.3	4.8
SSW	.9	4.2	1.9	.3	.0	.0	.0	.0	.0	.0	.0	7.3	5.9
SW	1.1	2.1	.6	.3	.0	.0	.0	.0	.0	.0	.0	4.1	5.1
WSW	1.3	.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	2.7	4.6
W	.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.9
WNW	.4	.5	.1	.2	.1	.0	.0	.0	.0	.0	.0	1.3	6.3
NW	.2	.3	.2	.0	.1	.0	.0	.0	.0	.0	.0	.7	6.3
NNW	.3	.5	.6	.2	.0	.0	.0	.0	.0	.0	.0	1.6	6.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6	.0
ALL	29.2	41.6	15.7	4.0	.7	.1	.1	.0	.0	.0	.0	100.0	4.7

TOTAL NO. OF OBS : 1159

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : AUG
CLASS : ALL WEATHER HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.9	.7	.4	.1	.0	.1	.0	.0	.0	.0	.0	2.2	5.7
NNE	.4	.7	1.1	.5	.0	.0	.0	.0	.0	.0	.0	2.8	7.3
NE	1.0	1.7	1.2	.4	.1	.0	.0	.0	.0	.0	.0	4.4	6.5
ENE	1.4	2.2	1.6	.2	.0	.0	.0	.0	.0	.0	.0	5.3	5.6
E	1.8	1.5	.6	.4	.1	.0	.0	.0	.0	.0	.0	4.4	5.2
ESE	1.6	1.0	.7	.2	.0	.0	.0	.0	.0	.0	.0	3.5	4.5
SE	2.4	1.9	.2	.0	.1	.0	.0	.0	.0	.0	.0	4.5	4.0
SSE	3.3	2.4	.6	.1	.0	.0	.0	.0	.0	.0	.0	6.5	3.8
S	6.3	9.2	2.1	.3	.0	.0	.0	.0	.0	.0	.0	17.8	4.5
SSW	2.1	4.8	3.1	.5	.0	.1	.0	.0	.0	.0	.0	10.6	6.0
SW	2.7	2.8	2.4	.3	.0	.0	.0	.0	.0	.0	.0	8.1	5.3
WSW	2.2	2.6	.8	.2	.1	.0	.0	.0	.0	.0	.0	5.8	4.7
W	.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.1
WNW	.4	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.1	5.8
NW	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.6
NNW	.2	.2	.5	.0	.1	.1	.0	.0	.0	.0	.0	1.0	9.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.1	.0
ALL	27.4	32.5	16.1	3.2	.4	.3	.0	.0	.0	.0	.0	100.0	4.1

TOTAL NO. OF OBS : 1147

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.8	1.5	1.7	.7	.0*	.0*	.0*	.0	.0	.0	.0	4.8	7.0
NNE	.4	1.4	1.9	1.1	.0*	.0*	.0	.0	.0	.0	.0	4.8	8.1
NE	.7	1.6	2.3	1.1	.1	.0*	.0	.0	.0	.0	.0	5.8	7.8
ENE	.8	2.1	1.9	.8	.0*	.0*	.0	.0*	.0	.0	.0	5.6	7.1
E	1.4	2.9	2.0	.5	.0*	.0*	.0*	.0	.0	.0	.0	6.9	6.2
ESE	1.1	2.1	1.5	.4	.1	.1	.0*	.0	.0	.0	.0	5.3	6.4
SE	1.3	1.9	1.4	.3	.0*	.0	.0	.0	.0	.0	.0	4.9	5.9
SSE	1.4	1.8	.9	.2	.0	.0	.0	.0	.0	.0	.0	4.4	5.1
S	2.6	4.3	1.5	.2	.0*	.0	.0	.0	.0	.0	.0	8.7	4.9
SSW	1.4	3.7	3.0	.7	.0*	.0*	.0	.0	.0	.0	.0	8.9	6.5
SW	2.7	3.9	3.3	.8	.1	.0	.0	.0	.0	.0	.0	10.8	6.0
WSW	2.0	2.6	1.8	.5	.0*	.0	.0	.0	.0	.0	.0	7.0	5.7
W	1.2	1.3	.5	.1	.0	.0	.0	.0	.0	.0	.0	3.2	4.7
WNW	.5	.6	.3	.1	.0*	.0	.0*	.0	.0	.0	.0	1.6	5.6
NW	.4	.6	.5	.1	.0*	.0*	.0	.0*	.0	.0	.0	1.8	6.6
NNW	.5	.7	.9	.3	.0*	.0*	.0*	.0	.0	.0	.0	2.6	7.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.9	.0
ALL	19.3	33.2	25.6	8.0	.6	.2	.1	.0*	.0	.0	.0	100.0	5.4

TOTAL NO. OF OBS : 9475

NOTES :
* = PERCENT < .05

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	3.4	40.7	48.6	55.8	60.2	60.8	61.5	62.0	62.0	62.4	62.5	62.6	63.1	63.2	63.2	63.3
>=20000	3.5	43.8	52.7	61.3	66.1	66.7	67.6	68.3	68.4	68.8	68.9	69.0	69.6	69.7	69.7	69.7
>=18000	3.5	43.9	52.8	61.4	66.2	66.8	67.7	68.4	68.5	68.9	69.0	69.1	69.7	69.7	69.7	69.8
>=16000	3.5	43.9	52.8	61.4	66.2	66.8	67.7	68.4	68.5	68.9	69.0	69.1	69.7	69.7	69.7	69.8
>=14000	3.6	45.0	53.9	62.5	67.3	67.8	68.8	69.5	69.6	70.0	70.1	70.2	70.7	70.8	70.8	70.9
>=12000	3.6	45.6	54.7	63.3	68.3	68.9	69.8	70.6	70.7	71.1	71.2	71.3	71.8	71.9	71.9	72.0
>=10000	3.7	48.6	58.7	68.2	73.5	74.2	75.1	75.8	75.9	76.4	76.6	76.7	77.3	77.4	77.4	77.4
>= 9000	3.7	48.9	59.1	68.8	74.0	74.7	75.6	76.4	76.4	77.0	77.2	77.3	77.8	77.9	77.9	78.0
>= 8000	4.0	52.4	63.9	74.1	79.4	80.2	81.1	81.8	81.9	82.4	82.6	82.7	83.2	83.3	83.3	83.4
>= 7000	4.0	53.2	64.6	74.8	80.3	81.0	81.9	82.7	82.8	83.3	83.5	83.6	84.1	84.2	84.2	84.3
>= 6000	4.1	53.5	64.9	75.3	80.7	81.4	82.3	83.2	83.2	83.8	84.0	84.1	84.6	84.7	84.7	84.8
>= 5000	4.3	54.6	66.0	76.4	81.8	82.5	83.4	84.2	84.3	84.9	85.1	85.1	85.7	85.8	85.8	85.9
>= 4500	4.3	54.7	66.1	76.5	82.0	82.7	83.6	84.4	84.5	85.1	85.2	85.3	85.9	86.0	86.0	86.1
>= 4000	4.3	55.5	67.0	77.5	83.1	83.8	84.7	85.5	85.6	86.1	86.3	86.4	87.0	87.0	87.0	87.1
>= 3500	4.3	56.0	67.6	78.1	83.6	84.3	85.2	86.1	86.1	86.7	86.9	87.0	87.5	87.6	87.6	87.7
>= 3000	4.3	56.7	69.1	80.3	86.1	87.0	87.9	88.7	88.8	89.3	89.5	89.6	90.1	90.2	90.2	90.3
>= 2500	4.3	56.9	69.6	80.9	86.7	87.6	88.5	89.4	89.5	90.0	90.2	90.3	90.9	90.9	90.9	91.0
>= 2000	4.3	57.7	70.8	82.4	88.4	89.3	90.2	91.1	91.2	91.8	91.9	92.0	92.6	92.7	92.7	92.8
>= 1800	4.3	57.9	71.1	82.7	88.7	89.6	90.5	91.4	91.5	92.0	92.2	92.3	92.8	92.9	92.9	93.0
>= 1500	4.3	58.2	71.6	83.4	89.4	90.3	91.2	92.3	92.4	93.0	93.2	93.3	93.8	93.9	93.9	94.0
>= 1200	4.3	58.4	72.2	84.3	90.4	91.3	92.3	93.4	93.5	94.2	94.4	94.5	95.0	95.1	95.1	95.2
>= 1000	4.3	58.7	72.9	85.2	91.3	92.2	93.3	94.5	94.6	95.4	95.6	95.7	96.2	96.3	96.3	96.4
>= 900	4.3	58.8	73.5	85.9	92.0	92.9	94.0	95.2	95.3	96.2	96.4	96.5	97.0	97.1	97.1	97.2
>= 800	4.3	58.9	73.8	86.4	92.8	93.7	94.8	96.0	96.1	97.0	97.2	97.3	97.8	97.9	97.9	98.0
>= 700	4.3	59.1	74.0	86.7	93.1	94.0	95.3	96.5	96.6	97.5	97.6	97.7	98.3	98.4	98.4	98.5
>= 600	4.3	59.1	74.3	87.0	93.4	94.3	95.7	96.8	96.9	97.8	98.0	98.1	98.7	98.8	98.8	98.9
>= 500	4.3	59.1	74.3	87.1	93.6	94.5	95.9	97.2	97.3	98.2	98.4	98.5	99.1	99.2	99.2	99.3
>= 400	4.3	59.2	74.4	87.2	93.8	94.7	96.2	97.5	97.6	98.5	98.6	98.7	99.4	99.5	99.5	99.5
>= 300	4.3	59.2	74.4	87.2	93.8	94.7	96.3	97.6	97.6	98.6	98.7	98.8	99.5	99.5	99.5	99.6
>= 200	4.3	59.2	74.5	87.4	94.0	94.9	96.5	97.7	97.8	98.7	98.9	99.0	99.6	99.7	99.7	99.8
>= 100	4.3	59.2	74.5	87.4	94.0	94.9	96.6	97.8	97.9	98.8	99.0	99.1	99.7	99.8	99.8	99.9
>= 0	4.3	59.2	74.5	87.4	94.0	94.9	96.6	97.8	97.9	98.8	99.0	99.1	99.7	99.8	99.8	100.0

TOTAL NO. OF OBS : 1104

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	2.3	32.1	41.9	51.1	57.4	58.3	59.5	60.4	60.4	61.0	61.3	61.3	61.9	62.1	62.3	62.5
>=20000	2.3	34.2	44.8	55.1	62.0	62.9	64.3	65.4	65.5	66.2	66.5	66.5	67.1	67.4	67.6	67.8
>=18000	2.3	34.2	44.8	55.1	62.0	62.9	64.3	65.4	65.5	66.2	66.5	66.5	67.1	67.4	67.6	67.8
>=16000	2.3	34.2	44.8	55.1	62.0	62.9	64.3	65.4	65.5	66.2	66.5	66.5	67.1	67.4	67.6	67.8
>=14000	2.4	34.9	45.6	55.9	62.8	63.7	65.1	66.2	66.3	67.0	67.3	67.3	67.9	68.2	68.4	68.6
>=12000	2.5	36.0	47.0	57.6	64.5	65.4	66.8	68.0	68.1	68.8	69.1	69.1	69.7	69.9	70.2	70.4
>=10000	2.6	38.1	50.0	61.5	68.4	69.4	70.9	72.1	72.2	73.0	73.3	73.3	73.9	74.2	74.4	74.6
>= 9000	2.6	38.2	50.3	61.8	68.8	69.8	71.3	72.5	72.5	73.3	73.6	73.6	74.2	74.5	74.8	75.0
>= 8000	2.8	41.8	54.7	66.8	74.4	75.5	77.2	78.4	78.4	79.2	79.5	79.5	80.1	80.4	80.7	80.9
>= 7000	2.8	42.0	54.9	67.3	74.9	75.9	77.6	78.8	78.9	79.7	80.0	80.0	80.6	80.9	81.1	81.3
>= 6000	2.8	42.4	55.4	67.8	75.4	76.5	78.2	79.3	79.4	80.2	80.5	80.5	81.1	81.4	81.7	81.8
>= 5000	2.8	42.7	55.6	68.1	75.7	76.7	78.4	79.6	79.7	80.5	80.8	80.8	81.4	81.7	81.9	82.1
>= 4500	2.8	42.8	55.8	68.2	75.9	77.0	78.7	79.9	80.0	80.8	81.0	81.0	81.7	81.9	82.2	82.4
>= 4000	2.9	43.5	56.6	69.2	77.0	78.1	79.8	80.9	81.0	81.8	82.1	82.1	82.7	83.0	83.3	83.5
>= 3500	3.0	43.7	57.1	69.7	77.5	78.6	80.4	81.6	81.7	82.5	82.7	82.7	83.4	83.6	83.9	84.1
>= 3000	3.0	44.5	58.2	71.8	80.1	81.1	83.0	84.2	84.3	85.1	85.3	85.3	86.0	86.2	86.5	86.7
>= 2500	3.0	45.0	58.9	72.5	80.8	81.8	83.8	85.0	85.1	85.9	86.1	86.1	86.8	87.0	87.3	87.5
>= 2000	3.0	46.2	60.6	74.6	83.0	84.2	86.2	87.4	87.5	88.5	88.7	88.7	89.4	89.6	89.9	90.1
>= 1800	3.0	46.2	60.6	74.7	83.1	84.3	86.3	87.5	87.6	88.6	88.8	88.8	89.4	89.7	90.0	90.2
>= 1500	3.0	46.5	61.5	76.3	84.7	86.0	88.0	89.2	89.3	90.3	90.7	90.7	91.3	91.6	91.9	92.0
>= 1200	3.0	47.0	62.3	77.2	85.6	86.9	89.0	90.2	90.3	91.3	91.7	91.7	92.3	92.6	92.8	93.0
>= 1000	3.0	47.3	62.9	78.1	86.5	87.7	90.2	91.3	91.4	92.5	92.8	92.8	93.5	93.7	94.0	94.2
>= 900	3.0	47.4	63.0	78.2	86.7	88.0	90.4	91.6	91.7	92.8	93.1	93.1	93.7	94.0	94.3	94.5
>= 800	3.0	47.8	63.6	79.2	88.0	89.4	91.9	93.0	93.1	94.3	94.6	94.6	95.3	95.5	95.8	96.0
>= 700	3.1	47.9	63.7	79.3	88.2	89.5	92.3	93.5	93.6	94.7	95.1	95.1	95.7	96.0	96.2	96.4
>= 600	3.1	47.9	63.7	79.5	88.5	89.8	92.7	93.8	93.9	95.1	95.4	95.4	96.1	96.3	96.6	96.8
>= 500	3.1	47.9	63.8	79.6	88.8	90.2	93.2	94.4	94.5	95.7	96.1	96.1	96.7	97.0	97.2	97.4
>= 400	3.1	47.9	63.9	79.7	89.0	90.3	93.4	94.5	94.6	95.9	96.2	96.2	96.9	97.1	97.4	97.6
>= 300	3.1	47.9	63.9	79.8	89.2	90.5	93.6	94.9	95.0	96.2	96.6	96.6	97.2	97.5	97.8	97.9
>= 200	3.1	47.9	63.9	79.8	89.2	90.5	93.7	95.0	95.1	96.4	96.9	96.9	97.7	97.9	98.2	98.4
>= 100	3.1	47.9	63.9	79.8	89.2	90.5	93.8	95.3	95.3	96.9	97.3	97.3	98.2	98.5	98.7	99.1
>= 0	3.1	47.9	63.9	79.8	89.2	90.5	93.9	95.3	95.3	96.9	97.3	97.3	98.3	98.6	98.9	100.0

TOTAL NO. OF OBS : 1118

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : AUG
CLASS : ALL WEATHER HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	1.5	23.3	30.6	37.7	45.0	48.4	52.2	54.2	54.3	55.4	56.0	56.2	56.5	56.5	56.8	57.0
>=20000	1.5	25.9	34.0	41.9	49.7	53.3	57.4	59.7	59.8	61.1	61.7	61.9	62.2	62.2	62.6	62.9
>=18000	1.5	26.0	34.1	42.1	49.9	53.5	57.6	59.8	59.9	61.3	61.9	62.0	62.4	62.4	62.8	63.0
>=16000	1.5	26.1	34.2	42.2	50.0	53.6	57.7	59.9	60.0	61.4	61.9	62.1	62.4	62.4	62.9	63.1
>=14000	1.6	26.5	34.7	42.7	50.5	54.1	58.3	60.5	60.7	62.0	62.6	62.8	63.1	63.1	63.5	63.8
>=12000	1.6	28.2	36.5	44.7	52.8	56.5	60.9	63.1	63.3	64.7	65.4	65.5	65.9	65.9	66.3	66.6
>=10000	1.6	31.0	40.6	49.0	58.3	62.2	66.6	69.1	69.2	70.9	71.6	71.8	72.2	72.3	72.7	73.0
>= 9000	1.6	31.4	41.0	49.5	58.8	62.7	67.1	69.6	69.7	71.4	72.1	72.3	72.7	72.8	73.2	73.5
>= 8000	1.7	34.0	44.6	53.9	64.2	68.5	73.0	75.4	75.6	77.3	78.0	78.2	78.5	78.6	79.0	79.4
>= 7000	1.8	34.6	45.4	55.0	65.3	69.6	74.1	76.6	76.8	78.5	79.1	79.4	79.7	79.8	80.2	80.6
>= 6000	1.8	35.2	46.2	55.7	66.1	70.4	74.9	77.5	77.6	79.3	80.0	80.2	80.6	80.6	81.1	81.4
>= 5000	1.8	35.6	46.8	56.5	67.1	71.3	75.9	78.5	78.6	80.3	81.0	81.2	81.6	81.6	82.1	82.4
>= 4500	1.8	35.7	46.9	56.6	67.2	71.5	76.0	78.6	78.8	80.5	81.1	81.4	81.7	81.8	82.2	82.6
>= 4000	1.8	36.4	47.6	57.5	68.3	72.6	77.1	79.7	79.9	81.6	82.2	82.5	82.8	82.9	83.3	83.7
>= 3500	1.9	36.5	47.8	57.8	68.7	73.1	77.6	80.2	80.4	82.1	82.7	83.0	83.3	83.4	83.8	84.2
>= 3000	1.9	37.6	49.1	59.5	70.9	75.3	80.1	82.6	82.8	84.5	85.2	85.4	85.8	85.8	86.3	86.6
>= 2500	1.9	38.1	49.6	60.2	71.7	76.1	80.9	83.5	83.7	85.3	86.0	86.3	86.6	86.7	87.1	87.4
>= 2000	1.9	39.2	51.0	61.8	73.8	78.4	83.2	85.8	86.0	87.7	88.3	88.6	88.9	89.0	89.4	89.8
>= 1800	1.9	39.3	51.1	61.9	73.8	78.5	83.3	85.9	86.1	87.8	88.4	88.7	89.0	89.1	89.5	89.9
>= 1500	1.9	39.7	51.7	62.9	75.0	79.7	84.7	87.3	87.5	89.2	89.9	90.1	90.4	90.5	90.9	91.3
>= 1200	1.9	40.6	52.6	63.9	76.4	81.1	86.1	88.9	89.0	90.8	91.5	91.7	92.0	92.1	92.5	92.9
>= 1000	1.9	41.2	53.5	64.9	77.5	82.1	87.4	90.3	90.4	92.2	92.9	93.1	93.5	93.5	94.0	94.3
>= 900	1.9	41.3	53.6	65.0	77.6	82.3	87.7	90.5	90.7	92.5	93.2	93.5	93.8	93.9	94.3	94.6
>= 800	1.9	41.7	54.1	65.5	78.5	83.3	88.8	91.9	92.1	94.0	94.7	95.0	95.3	95.4	95.8	96.1
>= 700	1.9	42.1	54.7	66.4	79.5	84.2	89.8	92.9	93.1	95.1	95.7	96.0	96.3	96.4	96.8	97.2
>= 600	1.9	42.2	54.9	66.6	79.7	84.5	90.2	93.4	93.6	95.6	96.2	96.5	96.8	96.9	97.3	97.7
>= 500	1.9	42.2	55.2	66.9	80.0	84.7	90.5	94.0	94.2	96.1	96.8	97.1	97.4	97.5	97.9	98.2
>= 400	1.9	42.2	55.2	67.0	80.1	84.9	90.9	94.3	94.6	96.6	97.3	97.6	97.9	98.0	98.4	98.8
>= 300	1.9	42.2	55.2	67.1	80.1	85.0	90.9	94.4	94.6	96.6	97.4	97.7	98.0	98.1	98.6	99.0
>= 200	1.9	42.2	55.2	67.1	80.2	85.1	91.0	94.5	94.7	96.8	97.6	97.8	98.2	98.2	98.7	99.4
>= 100	1.9	42.2	55.2	67.1	80.2	85.1	91.0	94.5	94.7	96.8	97.6	97.8	98.2	98.3	98.8	99.7
>= 0	1.9	42.2	55.2	67.1	80.2	85.1	91.0	94.5	94.7	96.8	97.6	97.8	98.2	98.3	99.0	100.0

TOTAL NO. OF OBS : 1193

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	4.3	35.0	42.5	48.0	51.3	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
>=20000	4.3	38.8	47.2	53.5	57.5	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
>=18000	4.3	39.2	47.7	54.0	58.0	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
>=16000	4.4	39.4	47.8	54.2	58.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
>=14000	4.4	40.1	48.8	55.3	59.3	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
>=12000	4.5	41.8	50.8	57.6	61.8	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
>=10000	4.7	44.9	54.5	61.9	66.2	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
>= 9000	4.7	45.4	55.1	62.6	66.8	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
>= 8000	4.8	48.0	58.3	66.2	70.7	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
>= 7000	4.9	48.4	58.7	66.6	71.1	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
>= 6000	4.9	48.7	59.0	67.0	71.5	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
>= 5000	4.9	49.2	59.7	67.8	72.4	72.8	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
>= 4500	4.9	49.4	60.0	68.0	72.6	73.0	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
>= 4000	4.9	49.9	60.6	68.8	73.5	73.9	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
>= 3500	5.0	50.3	61.1	69.3	74.0	74.5	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
>= 3000	5.1	52.1	63.6	72.3	77.5	78.1	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8
>= 2500	5.2	53.9	65.9	74.8	80.0	80.6	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
>= 2000	5.3	56.3	68.6	77.9	83.1	83.7	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
>= 1800	5.3	56.8	69.1	78.4	83.6	84.2	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
>= 1500	5.4	61.1	74.1	83.8	89.4	90.1	90.6	90.7	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0
>= 1200	5.4	62.4	76.1	86.1	92.0	92.6	93.2	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
>= 1000	5.5	64.1	78.0	88.4	94.6	95.2	96.1	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
>= 900	5.5	64.2	78.1	88.6	94.9	95.6	96.5	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
>= 800	5.5	64.3	78.5	89.2	95.6	96.5	97.4	97.7	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2
>= 700	5.5	64.6	79.0	89.9	96.4	97.2	98.2	98.6	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1
>= 600	5.5	64.7	79.1	89.9	96.5	97.3	98.4	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
>= 500	5.5	64.7	79.1	90.0	96.6	97.4	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
>= 400	5.5	64.7	79.1	90.1	96.7	97.6	98.7	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
>= 300	5.5	64.7	79.1	90.2	96.8	97.7	98.7	99.2	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
>= 200	5.5	64.7	79.1	90.2	96.8	97.7	98.7	99.2	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
>= 100	5.5	64.7	79.1	90.2	96.8	97.7	98.7	99.2	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
>= 0	5.5	64.7	79.1	90.2	96.8	97.7	98.7	99.2	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 1194

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	4.6	35.9	43.0	47.7	50.0	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
>=20000	4.7	40.3	48.4	53.7	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
>=18000	4.7	40.4	48.4	53.8	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
>=16000	4.7	40.5	48.5	53.8	56.5	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
>=14000	4.9	41.4	49.4	54.7	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
>=12000	5.1	42.9	51.4	56.9	59.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
>=10000	5.2	45.9	55.0	60.8	64.0	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
>= 9000	5.2	46.3	55.4	61.2	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
>= 8000	5.3	48.5	58.2	64.6	67.8	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
>= 7000	5.6	49.3	59.2	65.6	68.9	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
>= 6000	5.7	49.5	59.4	65.8	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
>= 5000	5.7	50.1	60.1	66.6	69.9	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
>= 4500	5.7	50.1	60.1	66.6	69.9	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
>= 4000	5.7	51.1	61.2	67.9	71.3	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
>= 3500	5.7	52.1	62.1	68.9	72.2	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
>= 3000	6.1	55.7	66.6	74.3	78.2	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
>= 2500	6.5	59.7	71.1	79.0	83.2	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
>= 2000	6.8	63.5	75.9	84.5	88.7	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
>= 1800	6.8	64.1	76.5	85.1	89.4	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
>= 1500	6.8	66.1	79.2	88.5	93.2	93.8	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
>= 1200	6.8	67.1	80.6	90.1	95.0	95.7	96.2	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4
>= 1000	6.8	67.7	81.3	90.8	95.9	96.6	97.1	97.2	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4
>= 900	6.8	67.8	81.4	91.1	96.3	97.0	97.6	97.6	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8
>= 800	6.8	68.0	81.7	91.4	96.6	97.4	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
>= 700	6.8	68.0	81.8	91.5	96.8	97.6	98.2	98.3	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6
>= 600	6.8	68.2	82.0	91.9	97.2	98.1	98.8	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
>= 500	6.8	68.2	82.2	92.2	97.5	98.3	99.1	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7
>= 400	6.8	68.2	82.2	92.2	97.5	98.3	99.1	99.3	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8
>= 300	6.8	68.2	82.3	92.2	97.6	98.4	99.2	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9
>= 200	6.8	68.2	82.3	92.2	97.6	98.4	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0
>= 100	6.8	68.2	82.3	92.2	97.6	98.4	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0
>= 0	6.8	68.2	82.3	92.2	97.6	98.4	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 1185

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	4.7	38.9	45.4	50.3	52.2	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
>=20000	4.9	44.2	51.8	57.7	60.0	60.2	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
>=18000	4.9	44.5	52.1	58.1	60.4	60.5	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
>=16000	4.9	44.5	52.1	58.1	60.4	60.5	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
>=14000	5.0	45.2	52.9	58.8	61.2	61.3	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
>=12000	5.0	47.0	54.9	61.2	63.5	63.7	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
>=10000	5.2	49.2	57.4	64.0	66.5	66.6	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
>= 9000	5.2	49.8	58.5	65.0	67.7	67.9	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
>= 8000	5.3	53.2	62.7	69.6	72.2	72.5	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
>= 7000	5.5	54.2	63.8	70.9	73.5	73.8	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
>= 6000	5.5	54.5	64.2	71.3	74.0	74.2	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
>= 5000	5.5	54.9	64.7	72.0	74.7	75.0	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
>= 4500	5.5	55.2	65.0	72.5	75.1	75.4	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
>= 4000	5.5	55.9	66.2	73.6	76.5	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
>= 3500	5.6	56.9	67.3	74.7	77.7	78.0	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
>= 3000	6.1	60.8	71.8	79.9	83.5	83.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
>= 2500	6.4	62.9	74.6	82.9	86.7	87.1	88.2	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
>= 2000	6.6	64.8	77.0	85.3	89.4	89.7	91.0	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
>= 1800	6.6	64.9	77.3	85.6	89.6	90.0	91.2	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
>= 1500	6.6	66.5	79.3	87.8	92.2	92.7	94.2	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.0
>= 1200	6.8	67.2	80.0	88.5	93.2	93.7	95.4	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1
>= 1000	6.8	67.7	80.7	89.2	94.2	94.7	96.6	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
>= 900	6.8	67.8	80.9	89.6	94.5	95.0	97.0	97.6	97.6	97.9	97.9	97.9	98.0	98.0	98.0	98.0
>= 800	6.8	68.0	81.2	89.9	94.9	95.4	97.5	98.1	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5
>= 700	6.8	68.0	81.2	89.9	95.0	95.5	97.6	98.2	98.2	98.6	98.6	98.6	98.7	98.7	98.7	98.7
>= 600	6.8	68.0	81.2	90.0	95.0	95.7	97.8	98.4	98.4	98.8	99.0	99.0	99.1	99.1	99.2	99.2
>= 500	6.8	68.1	81.5	90.3	95.3	95.9	98.1	98.8	98.8	99.3	99.5	99.5	99.6	99.6	99.6	99.6
>= 400	6.8	68.1	81.5	90.3	95.3	95.9	98.1	98.8	98.8	99.4	99.6	99.6	99.6	99.6	99.7	99.7
>= 300	6.8	68.1	81.5	90.3	95.3	95.9	98.1	98.8	98.8	99.4	99.6	99.6	99.7	99.7	99.9	99.9
>= 200	6.8	68.1	81.5	90.3	95.3	95.9	98.1	98.8	98.8	99.5	99.6	99.6	99.8	99.8	100.0	100.0
>= 100	6.8	68.1	81.5	90.3	95.3	95.9	98.1	98.8	98.8	99.5	99.6	99.6	99.8	99.8	100.0	100.0
>= 0	6.8	68.1	81.5	90.3	95.3	95.9	98.1	98.8	98.8	99.5	99.6	99.6	99.8	99.8	100.0	100.0

TOTAL NO. OF OBS : 1130

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	4.2	36.3	44.5	50.1	53.9	54.8	55.8	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
>=20000	4.4	41.1	50.8	57.6	62.2	63.2	64.2	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6
>=18000	4.4	41.2	50.9	57.7	62.3	63.3	64.3	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
>=16000	4.4	41.2	50.9	57.7	62.3	63.3	64.3	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
>=14000	4.4	42.3	52.1	58.9	63.6	64.7	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
>=12000	4.4	43.8	54.2	61.0	66.1	67.2	68.2	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6
>=10000	4.6	48.1	59.6	66.9	72.2	73.3	74.5	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
>= 9000	4.6	48.4	60.0	67.4	72.8	74.0	75.2	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
>= 8000	4.7	50.8	63.7	71.7	77.1	78.3	79.7	79.9	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2
>= 7000	4.9	51.8	64.7	72.9	78.3	79.6	80.9	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6
>= 6000	5.0	52.3	65.2	73.5	78.9	80.2	81.6	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
>= 5000	5.0	53.1	66.2	74.6	80.0	81.3	82.7	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
>= 4500	5.0	53.3	66.4	74.8	80.2	81.5	82.8	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5
>= 4000	5.0	54.0	67.2	75.8	81.3	82.6	83.9	84.5	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8
>= 3500	5.0	54.2	67.4	76.1	81.6	82.8	84.2	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
>= 3000	5.0	56.3	70.0	79.1	85.0	86.3	87.8	88.4	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7
>= 2500	5.0	57.0	70.9	80.3	86.2	87.7	89.1	89.8	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
>= 2000	5.0	58.1	72.4	82.3	88.2	89.8	91.3	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
>= 1800	5.0	58.1	72.4	82.3	88.2	89.8	91.3	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
>= 1500	5.0	58.9	73.2	83.4	89.6	91.1	92.8	93.7	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2
>= 1200	5.0	59.2	73.9	84.4	90.8	92.3	94.2	95.1	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
>= 1000	5.0	59.6	74.3	84.8	91.2	92.9	94.9	96.1	96.3	96.6	96.6	96.6	96.7	96.7	96.7	96.7
>= 900	5.0	59.8	74.5	85.0	91.6	93.3	95.5	96.7	96.9	97.3	97.3	97.3	97.4	97.4	97.4	97.4
>= 800	5.0	60.2	75.1	85.6	92.2	94.0	96.2	97.4	97.5	98.0	98.0	98.0	98.1	98.1	98.1	98.1
>= 700	5.0	60.2	75.1	85.7	92.2	94.1	96.3	97.4	97.6	98.1	98.1	98.1	98.2	98.2	98.2	98.2
>= 600	5.0	60.6	75.5	86.1	92.7	94.5	96.8	98.2	98.4	98.9	99.0	99.0	99.1	99.1	99.1	99.1
>= 500	5.0	60.7	75.5	86.2	92.8	94.6	97.0	98.4	98.5	99.2	99.3	99.3	99.4	99.4	99.4	99.4
>= 400	5.0	60.7	75.5	86.2	92.8	94.7	97.3	98.6	98.8	99.5	99.5	99.5	99.6	99.6	99.6	99.6
>= 300	5.0	60.8	75.6	86.3	92.9	94.8	97.4	98.7	99.0	99.6	99.7	99.7	99.8	99.8	99.8	99.8
>= 200	5.0	60.8	75.7	86.4	93.0	94.9	97.4	98.8	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0
>= 100	5.0	60.8	75.7	86.4	93.0	94.9	97.4	98.8	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0
>= 0	5.0	60.8	75.7	86.4	93.0	94.9	97.4	98.8	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 1096

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	4.5	42.4	50.5	55.9	59.2	60.0	60.8	61.1	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4
>=20000	4.7	46.3	55.7	62.5	66.4	67.2	68.2	68.4	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8
>=18000	4.7	46.4	55.8	62.6	66.5	67.3	68.3	68.5	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9
>=16000	4.7	46.4	55.8	62.6	66.5	67.3	68.3	68.5	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9
>=14000	4.8	47.0	56.4	63.2	67.2	68.0	69.0	69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6
>=12000	4.8	48.8	58.7	65.6	69.7	70.5	71.5	71.8	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2
>=10000	5.1	52.6	63.1	70.5	74.6	75.4	76.4	76.7	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1
>= 9000	5.1	52.9	63.5	70.9	75.0	75.8	76.8	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
>= 8000	5.2	56.5	68.4	76.2	80.4	81.2	82.2	82.5	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9
>= 7000	5.3	57.4	69.5	77.3	81.7	82.5	83.5	83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1
>= 6000	5.3	57.7	69.8	77.6	82.0	82.8	83.8	84.0	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4
>= 5000	5.3	58.3	70.6	78.4	82.8	83.6	84.6	84.9	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2
>= 4500	5.3	58.6	70.9	78.8	83.2	84.0	85.0	85.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7
>= 4000	5.3	59.4	71.8	80.0	84.4	85.2	86.3	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
>= 3500	5.4	59.9	72.3	80.5	85.1	85.9	87.0	87.3	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
>= 3000	5.4	61.0	73.8	82.5	87.3	88.2	89.3	89.6	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9
>= 2500	5.4	61.5	74.5	83.2	88.1	89.0	90.2	90.5	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
>= 2000	5.5	61.9	75.7	84.9	89.8	90.8	92.1	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
>= 1800	5.5	62.0	75.8	85.0	90.0	91.0	92.3	92.6	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9
>= 1500	5.6	62.7	77.2	86.8	92.2	93.3	94.6	94.8	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2
>= 1200	5.6	63.0	77.6	87.4	93.1	94.2	95.5	95.7	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
>= 1000	5.6	63.3	78.0	87.9	93.8	94.9	96.4	96.7	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
>= 900	5.7	63.6	78.3	88.2	94.3	95.4	96.8	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
>= 800	5.7	63.6	78.4	88.6	94.7	95.7	97.2	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
>= 700	5.7	63.8	78.6	88.8	94.9	96.0	97.6	98.0	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6
>= 600	5.7	63.8	78.8	89.2	95.3	96.4	97.9	98.4	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2
>= 500	5.7	64.0	79.0	89.5	95.6	96.6	98.3	98.7	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6
>= 400	5.7	64.2	79.2	89.8	95.8	96.9	98.5	99.0	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9
>= 300	5.7	64.2	79.2	89.8	95.8	96.9	98.5	99.0	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9
>= 200	5.7	64.2	79.2	89.8	95.8	96.9	98.5	99.0	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9
>= 100	5.7	64.2	79.2	89.8	95.8	96.9	98.5	99.0	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9
>= 0	5.7	64.2	79.2	89.8	95.8	96.9	98.5	99.0	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NO. OF OBS : 1103

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	3.7	35.5	43.2	49.4	53.5	54.4	55.4	55.9	56.0	56.3	56.4	56.4	56.6	56.7	56.7	56.8
>=20000	3.8	39.2	48.0	55.2	59.9	60.8	62.0	62.5	62.6	63.0	63.1	63.1	63.3	63.3	63.4	63.5
>=18000	3.8	39.4	48.2	55.4	60.0	61.0	62.1	62.7	62.8	63.1	63.3	63.3	63.5	63.5	63.6	63.7
>=16000	3.8	39.4	48.2	55.5	60.1	61.0	62.2	62.8	62.8	63.2	63.3	63.3	63.5	63.6	63.7	63.7
>=14000	3.9	40.2	49.1	56.3	61.0	61.9	63.1	63.7	63.8	64.1	64.2	64.3	64.5	64.5	64.6	64.7
>=12000	3.9	41.6	50.9	58.3	63.1	64.1	65.3	65.9	66.0	66.4	66.5	66.5	66.7	66.8	66.9	66.9
>=10000	4.1	44.7	54.7	62.7	67.8	68.8	70.1	70.7	70.8	71.2	71.3	71.4	71.6	71.6	71.7	71.8
>= 9000	4.1	45.1	55.2	63.2	68.4	69.4	70.7	71.3	71.4	71.8	72.0	72.0	72.2	72.2	72.3	72.4
>= 8000	4.2	48.0	59.1	67.7	73.1	74.3	75.6	76.2	76.3	76.7	76.9	76.9	77.1	77.2	77.3	77.3
>= 7000	4.3	48.7	59.9	68.6	74.1	75.2	76.6	77.2	77.3	77.7	77.9	77.9	78.1	78.2	78.2	78.3
>= 6000	4.4	49.1	60.4	69.1	74.5	75.7	77.0	77.7	77.8	78.2	78.4	78.4	78.6	78.6	78.7	78.8
>= 5000	4.4	49.7	61.1	69.9	75.4	76.5	77.8	78.5	78.6	79.0	79.2	79.2	79.4	79.5	79.5	79.6
>= 4500	4.4	49.8	61.2	70.1	75.6	76.8	78.1	78.8	78.8	79.3	79.4	79.5	79.6	79.7	79.8	79.9
>= 4000	4.4	50.6	62.1	71.1	76.7	77.9	79.2	79.9	80.0	80.4	80.6	80.6	80.8	80.9	81.0	81.0
>= 3500	4.5	51.1	62.7	71.7	77.4	78.6	79.9	80.7	80.7	81.2	81.3	81.4	81.5	81.6	81.7	81.8
>= 3000	4.6	53.0	65.1	74.8	80.9	82.2	83.7	84.4	84.5	84.9	85.1	85.1	85.3	85.3	85.4	85.5
>= 2500	4.7	54.2	66.7	76.6	82.8	84.1	85.6	86.4	86.4	86.9	87.0	87.1	87.3	87.3	87.4	87.5
>= 2000	4.8	55.9	68.9	79.1	85.4	86.8	88.4	89.2	89.3	89.8	89.9	89.9	90.1	90.2	90.3	90.3
>= 1800	4.8	56.1	69.1	79.3	85.7	87.0	88.6	89.5	89.5	90.0	90.2	90.2	90.4	90.4	90.5	90.6
>= 1500	4.8	57.4	70.9	81.5	88.2	89.6	91.2	92.1	92.2	92.7	92.9	92.9	93.1	93.2	93.3	93.3
>= 1200	4.9	58.1	71.9	82.7	89.5	90.9	92.7	93.6	93.7	94.2	94.4	94.4	94.6	94.7	94.8	94.8
>= 1000	4.9	58.7	72.6	83.6	90.6	92.0	94.0	94.9	95.0	95.6	95.8	95.8	96.0	96.1	96.2	96.2
>= 900	4.9	58.8	72.9	83.9	90.9	92.4	94.4	95.4	95.5	96.1	96.3	96.3	96.5	96.6	96.7	96.8
>= 800	4.9	59.0	73.2	84.4	91.6	93.1	95.2	96.2	96.3	97.0	97.2	97.2	97.4	97.5	97.6	97.6
>= 700	4.9	59.2	73.5	84.7	92.0	93.5	95.6	96.7	96.8	97.5	97.7	97.7	97.9	98.0	98.1	98.1
>= 600	4.9	59.3	73.6	85.0	92.3	93.8	96.0	97.1	97.2	97.9	98.2	98.2	98.4	98.5	98.6	98.7
>= 500	4.9	59.3	73.8	85.2	92.5	94.0	96.3	97.4	97.5	98.4	98.6	98.6	98.8	98.9	99.0	99.1
>= 400	4.9	59.4	73.8	85.2	92.6	94.1	96.5	97.6	97.8	98.6	98.8	98.9	99.1	99.2	99.3	99.3
>= 300	4.9	59.4	73.8	85.3	92.7	94.2	96.6	97.7	97.9	98.7	99.0	99.0	99.3	99.3	99.4	99.5
>= 200	4.9	59.4	73.9	85.3	92.7	94.3	96.6	97.8	97.9	98.8	99.1	99.1	99.4	99.5	99.6	99.7
>= 100	4.9	59.4	73.9	85.3	92.7	94.3	96.7	97.8	98.0	98.9	99.1	99.2	99.5	99.5	99.7	99.8
>= 0	4.9	59.4	73.9	85.3	92.7	94.3	96.7	97.8	98.0	98.9	99.1	99.2	99.5	99.6	99.7	100.0

TOTAL NO. OF OBS : 9123

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : SEP
CLASS : ALL WEATHER HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.5	1.3	2.0	1.4	.3	.1	.0	.0	.0	.0	.0	5.5	9.0
NNE	.5	1.6	1.7	1.4	.3	.0	.0	.0	.0	.0	.0	5.5	8.4
NE	1.1	2.0	2.3	.9	.3	.1	.0	.0	.0	.0	.0	6.7	7.7
ENE	1.2	1.7	1.2	.8	.4	.0	.0	.0	.0	.0	.0	5.2	7.5
E	1.4	2.4	.5	.5	.0	.0	.1	.0	.0	.0	.0	5.0	5.5
ESE	.4	1.1	.2	.4	.0	.0	.0	.0	.0	.0	.0	2.0	6.0
SE	.8	1.1	.5	.2	.0	.1	.0	.0	.0	.0	.0	2.6	5.7
SSE	1.2	1.0	.3	.0	.0	.1	.0	.0	.0	.0	.0	2.5	4.4
S	2.3	3.1	.9	.3	.0	.0	.0	.0	.0	.0	.0	6.5	4.8
SSW	2.3	4.3	2.3	.4	.0	.0	.0	.0	.0	.0	.0	9.2	5.4
SW	3.2	5.0	1.9	.5	.0	.0	.0	.0	.0	.0	.0	10.5	4.8
WSW	2.9	1.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	5.5	4.1
W	1.5	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.8
WNW	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.2	5.2
NW	.5	.8	.5	.0	.0	.0	.0	.1	.0	.0	.0	2.0	6.4
NNW	.9	.9	.6	.1	.0	.0	.0	.0	.0	.0	.0	2.5	5.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24.8	.0
ALL	21.3	29.3	16.2	6.8	1.2	.4	.1	.1	.0	.0	.0	100.0	4.5

TOTAL NO. OF OBS : 1110

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : SEP
CLASS : ALL WEATHER HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.2	3.2	2.6	1.0	.4	.1	.0	.0	.0	.0	.0	8.5	7.5
NNE	.5	1.5	2.8	1.4	.2	.0	.0	.0	.0	.0	.0	6.4	8.5
NE	1.6	2.0	2.3	1.2	.0	.0	.1	.0	.0	.0	.0	7.2	7.2
ENE	.7	1.3	.8	.5	.2	.1	.0	.1	.0	.0	.0	3.7	8.2
E	1.1	1.3	1.4	.5	.1	.1	.0	.0	.0	.0	.0	4.4	7.1
ESE	.4	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.0	5.7
SE	1.3	1.1	.5	.2	.0	.0	.0	.0	.0	.0	.0	3.0	4.7
SSE	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.9
S	.7	1.4	.6	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.8
SSW	2.0	3.7	1.8	.1	.0	.1	.0	.0	.0	.0	.0	7.7	5.2
SW	4.5	4.5	1.8	.2	.0	.0	.0	.0	.0	.0	.0	11.0	4.5
WSW	2.5	3.1	.9	.2	.0	.0	.0	.0	.0	.0	.0	6.7	4.4
W	1.3	1.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	2.7	4.3
WNW	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.7
NW	.6	.6	.5	.1	.1	.1	.0	.0	.0	.0	.0	2.0	6.6
NNW	1.1	.5	1.0	.6	.0	.1	.0	.0	.0	.0	.0	3.3	6.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26.8	.0
ALL	20.7	26.4	18.2	6.2	.9	.5	.1	.1	.0	.0	.0	100.0	4.4

TOTAL NO. OF OBS : 1109

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : SEP
CLASS : ALL WEATHER HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.9	1.5	3.6	2.1	.3	.1	.0	.0	.0	.0	.0	8.5	8.8
NNE	.7	2.2	3.1	1.9	.5	.2	.0	.0	.0	.0	.0	8.5	9.0
NE	.8	2.3	2.3	1.4	.6	.1	.1	.0	.0	.0	.0	7.6	9.0
ENE	.8	2.1	1.7	1.1	.2	.1	.0	.0	.0	.0	.0	5.9	7.7
E	.7	1.7	1.9	.5	.3	.1	.0	.0	.0	.0	.0	5.1	7.6
ESE	.4	.3	.4	.0	.2	.0	.0	.0	.0	.0	.0	1.4	6.9
SE	.7	.4	.8	.5	.0	.0	.0	.0	.0	.0	.0	2.4	6.8
SSE	.6	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	1.4	5.6
S	1.2	2.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	3.8	4.5
SSW	1.2	2.3	1.4	.2	.1	.0	.0	.0	.0	.0	.0	5.1	5.6
SW	3.4	4.0	2.5	.6	.0	.0	.0	.0	.0	.0	.0	10.5	5.2
WSW	2.5	3.5	2.5	.3	.0	.0	.0	.0	.0	.0	.0	8.7	5.4
W	1.8	1.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	3.8	4.3
WNW	.7	.7	.3	.1	.0	.1	.0	.0	.0	.0	.0	1.8	5.7
NW	.2	.9	.8	.1	.1	.1	.0	.0	.0	.0	.0	2.1	7.2
NNW	.6	.8	1.2	.3	.0	.1	.0	.0	.0	.0	.0	2.9	6.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.5	.0
ALL	17.0	25.7	23.3	9.6	2.1	.8	.1	.0	.0	.0	.0	100.0	5.5

TOTAL NO. OF OBS : 1182

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : SEP
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.3	1.9	3.6	2.2	.3	.0	.0	.0	.0	.0	.0	8.4	9.2
NNE	.8	1.4	5.7	3.6	.5	.0	.0	.0	.0	.0	.0	12.0	9.7
NE	.6	1.4	4.5	2.5	.3	.2	.1	.0	.0	.0	.0	9.6	9.7
ENE	.1	1.8	3.1	1.8	.0	.3	.0	.0	.0	.0	.0	7.0	9.2
E	.8	2.4	3.3	1.4	.1	.1	.0	.0	.0	.0	.0	8.1	8.2
ESE	.5	1.7	1.4	.8	.1	.0	.0	.0	.0	.0	.0	4.5	7.5
SE	.7	.8	.7	.7	.0	.0	.0	.0	.0	.0	.0	2.9	6.9
SSE	.5	.8	.7	.1	.0	.0	.0	.0	.0	.0	.0	2.1	5.8
S	.8	1.1	1.9	.3	.0	.0	.0	.0	.0	.0	.0	4.1	6.3
SSW	.8	1.5	1.7	.7	.1	.0	.0	.0	.0	.0	.0	4.7	7.3
SW	1.3	2.3	3.0	1.3	.3	.1	.0	.0	.0	.0	.0	8.2	7.7
WSW	.9	3.2	2.7	1.0	.1	.1	.0	.0	.0	.0	.0	8.0	7.2
W	1.0	1.4	1.4	.2	.0	.0	.0	.0	.0	.0	.0	3.9	6.1
WNW	.8	.8	.6	.6	.1	.0	.0	.0	.0	.0	.0	2.8	7.1
NW	.6	1.3	1.6	1.1	.0	.0	.1	.0	.0	.0	.0	4.6	7.9
NNW	.8	1.1	2.2	1.5	.1	.2	.1	.0	.0	.0	.0	5.9	8.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0
ALL	11.2	24.9	38.0	19.9	1.9	.8	.3	.0	.0	.0	.0	100.0	8.0

TOTAL NO. OF OBS : 1183

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : SEP
CLASS : ALL WEATHER HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.4	2.5	3.1	2.5	.4	.2	.0	.0	.0	.0	.0	9.1	9.3
NNE	.0	1.4	3.6	2.9	.6	.0	.0	.0	.0	.0	.0	8.5	10.3
NE	.2	2.1	4.9	2.4	.4	.3	.0	.0	.0	.0	.0	10.2	9.8
ENE	.5	3.2	3.9	2.4	.2	.3	.0	.0	.0	.0	.0	10.4	8.5
E	1.0	4.0	5.4	1.6	.2	.0	.0	.0	.0	.0	.0	12.2	7.6
ESE	.3	2.8	1.9	1.4	.1	.1	.0	.0	.0	.0	.0	6.7	8.2
SE	.3	1.2	2.5	.5	.1	.0	.0	.0	.0	.0	.0	4.6	8.1
SSE	.3	.8	1.8	.4	.0	.0	.0	.0	.0	.0	.0	3.3	7.8
S	.6	1.1	1.2	.3	.1	.0	.0	.0	.0	.0	.0	3.3	6.9
SSW	.5	1.8	2.5	.9	.1	.0	.0	.0	.0	.0	.0	5.8	7.7
SW	.3	1.9	2.1	1.3	.2	.2	.0	.0	.0	.0	.0	5.9	8.9
WSW	.2	1.8	1.8	1.1	.1	.0	.0	.0	.0	.0	.0	4.9	8.0
W	.4	1.6	1.4	.5	.0	.0	.0	.0	.0	.0	.0	4.0	7.0
WNW	.3	.3	.8	.1	.3	.0	.0	.0	.0	.0	.0	1.9	8.0
NW	.1	.8	1.2	.8	.1	.2	.0	.0	.0	.0	.0	3.1	9.6
NNW	.3	1.1	2.5	1.5	.1	.2	.0	.0	.0	.0	.0	5.7	9.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0
ALL	5.6	28.5	40.7	20.6	2.8	1.3	.0	.0	.0	.0	.0	100.0	8.6

TOTAL NO. OF OBS : 1183

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : SEP
CLASS : ALL WEATHER HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.6	1.3	3.4	1.8	.2	.1	.1	.0	.0	.0	.0	7.5	9.1
NNE	.3	2.1	3.0	2.1	.4	.0	.0	.0	.0	.0	.0	7.9	9.2
NE	.7	2.0	4.6	2.6	.2	.1	.2	.0	.0	.0	.0	10.4	9.2
ENE	.7	3.6	3.9	1.5	.0	.0	.1	.0	.0	.0	.0	9.8	7.4
E	1.4	6.5	3.6	1.2	.1	.1	.0	.0	.0	.0	.0	12.9	6.6
ESE	.5	3.2	4.0	.6	.1	.1	.0	.0	.0	.0	.0	8.5	7.3
SE	.4	3.4	4.5	1.7	.4	.0	.0	.0	.0	.0	.0	10.4	8.3
SSE	.3	1.1	2.6	.3	.0	.0	.0	.0	.0	.0	.0	4.3	7.4
S	.8	1.5	2.0	.3	.2	.0	.0	.0	.0	.0	.0	4.7	6.9
SSW	.1	1.1	2.1	.5	.1	.0	.0	.0	.0	.0	.0	3.9	8.4
SW	.3	2.1	1.8	.1	.2	.1	.0	.0	.0	.0	.0	4.6	7.2
WSW	.2	1.0	2.2	.6	.0	.0	.0	.0	.0	.0	.0	3.9	8.1
W	.2	.9	.6	.0	.1	.0	.0	.0	.0	.0	.0	1.8	6.6
WNW	.1	.3	.6	.3	.1	.0	.0	.0	.0	.0	.0	1.3	8.7
NW	.3	.8	.6	.2	.1	.0	.0	.0	.0	.0	.0	1.9	7.1
NNW	.7	1.1	2.4	.5	.1	.0	.0	.0	.0	.0	.0	4.7	7.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0
ALL	7.4	31.8	42.0	14.3	2.2	.4	.4	.0	.0	.0	.0	100.0	7.8

TOTAL NO. OF OBS : 1142

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : SEP
CLASS : ALL WEATHER HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.7	1.6	1.7	.8	.1	.1	.1	.0	.0	.0	.0	5.1	8.2
NNE	1.6	2.1	1.6	1.6	.2	.0	.0	.0	.0	.0	.0	7.1	7.4
NE	1.9	1.9	2.5	1.6	.2	.1	.0	.0	.0	.0	.0	8.1	7.4
ENE	1.7	2.2	1.9	.9	.1	.1	.0	.0	.0	.0	.0	6.9	6.5
E	3.1	3.0	1.0	.4	.0	.0	.2	.0	.0	.0	.0	7.6	5.0
ESE	2.7	1.5	.8	.5	.0	.0	.0	.0	.0	.0	.0	5.5	4.8
SE	3.0	3.7	1.1	.1	.0	.0	.0	.0	.0	.0	.0	7.9	4.5
SSE	4.7	5.0	1.4	.1	.0	.0	.0	.0	.0	.0	.0	11.3	4.3
S	3.1	6.2	1.5	.0	.1	.0	.0	.0	.0	.0	.0	10.9	4.8
SSW	1.3	2.2	1.1	.2	.1	.0	.0	.0	.0	.0	.0	4.9	5.5
SW	1.3	.8	.4	.3	.0	.0	.0	.0	.0	.0	.0	2.8	4.7
WSW	1.1	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.8
W	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.1
WNW	.4	.1	.3	.2	.0	.0	.0	.0	.0	.0	.0	.9	6.1
NW	.4	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.8
NNW	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	1.5	6.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.0	.0
ALL	28.1	32.1	16.6	6.9	.7	.3	.3	.0	.0	.0	.0	100.0	4.7

TOTAL NO. OF OBS : 1118

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : SEP
CLASS : ALL WEATHER HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.1	1.0	1.3	.9	.1	.0	.0	.0	.0	.0	.0	4.3	7.4
NNE	.8	1.0	2.6	1.5	.2	.0	.0	.1	.0	.0	.0	6.2	8.9
NE	.8	1.5	2.5	1.0	.1	.0	.0	.0	.0	.0	.0	6.0	7.6
ENE	1.5	2.3	1.9	1.1	.1	.0	.0	.0	.0	.0	.0	6.9	6.8
E	2.4	1.5	1.1	.3	.0	.2	.1	.0	.0	.0	.0	5.6	5.6
ESE	1.2	1.1	.5	.5	.0	.0	.0	.0	.0	.0	.0	3.2	5.9
SE	1.1	1.2	.6	.4	.0	.0	.0	.0	.0	.0	.0	3.2	5.3
SSE	1.8	2.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	4.4	4.2
S	5.0	6.7	1.6	.3	.0	.0	.0	.0	.0	.0	.0	13.5	4.5
SSW	1.7	3.8	2.6	.5	.0	.0	.0	.0	.0	.0	.0	8.6	5.8
SW	2.8	2.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	6.2	4.1
WSW	1.4	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.4
W	1.0	.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	2.3	4.4
WNW	.1	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.0	6.3
NW	.5	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	1.6	5.6
NNW	.5	.6	.7	.4	.0	.0	.1	.0	.0	.0	.0	2.3	8.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.9	.0
ALL	23.6	28.4	18.0	7.1	.5	.2	.2	.1	.0	.0	.0	100.0	4.6

TOTAL NO. OF OBS : 1109

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : SEP
CLASS : ALL WEATHER HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.7	1.8	2.7	1.6	.3	.1	.0*	.0	.0	.0	.0	7.2	8.7
NNE	.6	1.7	3.0	2.1	.4	.0*	.0	.0*	.0	.0	.0	7.8	9.1
NE	1.0	1.9	3.3	1.7	.3	.1	.1	.0	.0	.0	.0	8.3	8.6
ENE	.9	2.3	2.3	1.3	.1	.1	.0*	.0*	.0	.0	.0	7.0	7.8
E	1.5	2.8	2.3	.8	.1	.1	.0*	.0	.0	.0	.0	7.6	6.8
ESE	.8	1.5	1.2	.6	.1	.0*	.0	.0	.0	.0	.0	4.1	6.8
SE	1.0	1.6	1.4	.5	.1	.0*	.0	.0	.0	.0	.0	4.6	6.5
SSE	1.2	1.5	1.0	.1	.0	.0*	.0	.0	.0	.0	.0	3.8	5.3
S	1.8	2.9	1.3	.2	.0*	.0	.0	.0	.0	.0	.0	6.1	5.2
SSW	1.2	2.6	1.9	.4	.1	.0*	.0	.0	.0	.0	.0	6.2	6.2
SW	2.1	2.9	1.8	.5	.1	.0*	.0	.0	.0	.0	.0	7.5	5.8
WSW	1.4	2.0	1.5	.4	.0*	.0*	.0	.0	.0	.0	.0	5.4	5.8
W	1.0	1.1	.6	.1	.0*	.0	.0	.0	.0	.0	.0	2.8	5.2
WNW	.4	.4	.4	.2	.1	.0*	.0	.0	.0	.0	.0	1.6	6.6
NW	.4	.7	.8	.3	.0*	.0*	.0*	.0*	.0	.0	.0	2.3	7.4
NNW	.6	.8	1.4	.7	.0*	.1	.0*	.0	.0	.0	.0	3.6	7.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.1	.0
ALL	16.7	28.5	26.9	11.5	1.6	.6	.2	.0*	.0	.0	.0	100.0	6.0

TOTAL NO. OF OBS : 9136

NOTES :
* = PERCENT < .05

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : SEP
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.4	47.7	53.9	58.2	62.4	62.5	63.7	64.1	64.1	64.6	64.7	64.7	64.7	64.7	64.9	65.1
>=20000	6.4	49.7	56.6	61.5	65.8	65.9	67.2	67.7	67.7	68.1	68.2	68.2	68.2	68.2	68.5	68.7
>=18000	6.4	49.7	56.6	61.5	65.8	65.9	67.2	67.7	67.7	68.1	68.2	68.2	68.2	68.2	68.5	68.7
>=16000	6.4	49.7	56.6	61.5	65.8	65.9	67.2	67.7	67.7	68.1	68.2	68.2	68.2	68.2	68.5	68.7
>=14000	6.5	50.1	57.1	62.1	66.3	66.5	67.8	68.2	68.2	68.7	68.8	68.8	68.8	68.8	69.0	69.2
>=12000	6.5	50.5	57.5	62.6	66.8	67.0	68.3	68.8	68.8	69.2	69.3	69.3	69.3	69.3	69.6	69.8
>=10000	6.6	53.0	60.3	65.6	70.0	70.1	71.4	71.9	71.9	72.4	72.5	72.5	72.5	72.5	72.8	73.0
>= 9000	6.6	53.2	60.7	65.9	70.3	70.5	71.8	72.3	72.3	72.8	72.9	72.9	72.9	72.9	73.2	73.4
>= 8000	6.9	56.6	65.1	70.6	75.0	75.2	76.5	76.9	76.9	77.5	77.6	77.6	77.6	77.6	77.8	78.0
>= 7000	7.1	57.3	65.8	71.4	75.8	76.0	77.3	77.7	77.7	78.3	78.4	78.4	78.4	78.4	78.7	78.8
>= 6000	7.2	57.6	66.1	71.8	76.2	76.4	77.7	78.1	78.1	78.7	78.8	78.8	78.8	78.8	79.0	79.2
>= 5000	7.4	58.2	66.9	72.7	77.2	77.4	78.7	79.2	79.2	79.8	79.9	79.9	79.9	79.9	80.1	80.3
>= 4500	7.4	58.3	67.0	72.8	77.3	77.5	78.8	79.3	79.3	79.9	79.9	79.9	79.9	79.9	80.2	80.4
>= 4000	7.4	59.2	68.2	74.3	78.8	79.0	80.3	80.9	80.9	81.4	81.5	81.5	81.5	81.5	81.8	82.0
>= 3500	7.5	59.8	68.8	74.8	79.5	79.7	81.0	81.5	81.5	82.1	82.1	82.1	82.1	82.1	82.4	82.6
>= 3000	7.7	61.4	70.7	77.1	82.1	82.2	83.6	84.2	84.2	84.8	84.9	84.9	84.9	84.9	85.2	85.3
>= 2500	7.7	62.2	72.3	79.3	84.3	84.5	86.1	86.6	86.6	87.3	87.4	87.4	87.4	87.4	87.6	87.8
>= 2000	7.8	63.3	74.2	81.6	86.7	86.9	88.5	89.0	89.0	89.7	89.7	89.7	89.7	89.7	90.0	90.2
>= 1800	7.8	63.4	74.3	81.7	86.8	87.0	88.6	89.1	89.1	89.7	89.8	89.8	89.8	89.8	90.1	90.3
>= 1500	8.0	64.2	75.4	83.2	88.6	88.8	90.5	91.0	91.0	91.7	91.8	91.8	91.8	91.8	92.0	92.2
>= 1200	8.0	64.8	76.0	83.9	89.4	89.7	91.4	91.9	91.9	92.6	92.7	92.7	92.7	92.7	92.9	93.1
>= 1000	8.1	65.6	77.2	85.3	90.8	91.1	92.9	93.4	93.4	94.0	94.2	94.2	94.2	94.2	94.5	94.7
>= 900	8.1	65.9	77.6	85.7	91.4	91.7	93.5	94.0	94.0	94.7	94.9	94.9	94.9	94.9	95.1	95.3
>= 800	8.1	66.5	78.1	86.3	91.9	92.3	94.2	94.8	94.8	95.4	95.6	95.6	95.6	95.6	95.9	96.1
>= 700	8.1	66.6	78.3	86.5	92.4	92.8	94.7	95.3	95.3	96.1	96.2	96.2	96.2	96.2	96.5	96.7
>= 600	8.1	66.8	78.5	86.9	92.9	93.3	95.3	96.1	96.2	97.1	97.3	97.3	97.3	97.3	97.5	97.7
>= 500	8.1	66.8	78.7	87.2	93.4	93.9	96.1	96.9	97.0	97.9	98.1	98.1	98.1	98.1	98.4	98.5
>= 400	8.1	66.8	78.7	87.2	93.5	94.2	96.4	97.3	97.4	98.4	98.5	98.5	98.5	98.5	98.8	99.0
>= 300	8.1	66.8	78.8	87.3	93.7	94.4	96.6	97.6	97.7	98.6	98.8	98.8	98.8	98.8	99.1	99.4
>= 200	8.1	66.8	78.8	87.3	93.8	94.5	96.9	97.9	98.0	98.9	99.1	99.1	99.1	99.1	99.5	99.7
>= 100	8.1	66.8	78.8	87.3	93.8	94.5	96.9	97.9	98.0	98.9	99.1	99.1	99.1	99.1	99.5	99.7
>= 0	8.1	66.8	78.8	87.3	93.8	94.5	96.9	97.9	98.0	98.9	99.1	99.1	99.2	99.2	99.5	100.0

TOTAL NO. OF OBS : 1092

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : SEP
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	4.8	39.3	46.5	52.7	56.0	56.5	59.0	60.1	60.1	61.1	61.5	61.5	62.0	62.0	62.3	62.7
>=20000	4.8	40.7	48.4	54.9	58.5	59.1	61.6	63.0	63.0	64.2	64.8	64.8	65.3	65.3	65.6	66.0
>=18000	4.8	40.7	48.4	54.9	58.5	59.1	61.6	63.0	63.0	64.2	64.8	64.8	65.3	65.3	65.6	66.0
>=16000	4.8	40.7	48.4	54.9	58.5	59.1	61.6	63.0	63.0	64.2	64.8	64.8	65.3	65.3	65.6	66.0
>=14000	4.9	40.8	48.6	55.0	58.7	59.2	61.8	63.2	63.2	64.4	65.0	65.0	65.5	65.5	65.8	66.2
>=12000	4.9	41.1	49.0	55.4	59.2	59.8	62.5	63.8	63.8	65.0	65.7	65.7	66.1	66.1	66.4	66.8
>=10000	5.0	43.6	52.1	58.8	62.8	63.4	66.0	67.4	67.4	68.8	69.4	69.4	69.9	70.0	70.2	70.7
>= 9000	5.0	43.8	52.3	59.0	63.0	63.6	66.2	67.6	67.6	69.0	69.6	69.6	70.1	70.1	70.4	70.9
>= 8000	5.1	46.5	55.6	62.3	66.7	67.2	69.9	71.2	71.2	72.6	73.3	73.3	73.7	73.8	74.1	74.5
>= 7000	5.1	47.2	56.2	62.9	67.3	67.9	70.6	72.0	72.0	73.4	74.0	74.0	74.5	74.5	74.8	75.3
>= 6000	5.2	47.7	56.8	63.5	68.0	68.6	71.3	72.7	72.7	74.1	74.7	74.7	75.2	75.3	75.5	76.0
>= 5000	5.3	48.3	57.5	64.4	69.0	69.6	72.3	73.7	73.7	75.1	75.7	75.7	76.2	76.3	76.6	77.0
>= 4500	5.3	48.4	57.8	64.7	69.2	69.9	72.6	74.0	74.0	75.4	76.0	76.0	76.5	76.6	76.8	77.3
>= 4000	5.5	49.8	59.9	66.9	71.5	72.2	74.9	76.3	76.3	77.7	78.3	78.3	78.8	78.8	79.1	79.6
>= 3500	5.8	50.8	61.0	68.0	72.8	73.4	76.2	77.6	77.6	78.9	79.6	79.6	80.0	80.1	80.4	80.9
>= 3000	5.8	52.4	62.7	70.1	75.0	75.7	78.6	79.9	79.9	81.3	82.0	82.0	82.4	82.5	82.8	83.2
>= 2500	5.8	53.8	64.6	72.0	77.1	77.8	80.7	82.1	82.1	83.4	84.1	84.1	84.5	84.6	84.9	85.3
>= 2000	6.0	55.0	66.4	74.3	79.4	80.2	83.1	84.4	84.4	85.8	86.4	86.4	86.9	87.1	87.4	87.8
>= 1800	6.0	55.2	66.6	74.5	79.7	80.5	83.3	84.7	84.7	86.1	86.7	86.7	87.2	87.4	87.6	88.1
>= 1500	6.0	56.3	68.2	76.5	82.1	82.9	85.8	87.2	87.2	88.6	89.2	89.2	89.7	89.8	90.1	90.6
>= 1200	6.1	57.0	68.9	77.3	83.0	83.8	86.8	88.2	88.2	89.6	90.2	90.3	90.8	90.9	91.2	91.7
>= 1000	6.1	57.5	69.6	78.2	84.2	85.0	88.0	89.4	89.4	90.8	91.4	91.5	91.9	92.1	92.4	92.9
>= 900	6.1	57.6	69.7	78.6	84.9	85.7	88.8	90.2	90.2	91.6	92.2	92.3	92.8	92.9	93.2	93.7
>= 800	6.1	58.0	70.2	79.3	85.8	86.6	89.9	91.4	91.4	92.8	93.4	93.5	94.0	94.2	94.5	95.0
>= 700	6.1	58.2	70.9	80.2	86.7	87.5	90.8	92.3	92.3	93.7	94.3	94.4	95.0	95.1	95.4	95.9
>= 600	6.1	58.2	71.2	80.7	87.3	88.1	91.4	92.9	92.9	94.2	94.9	95.0	95.5	95.7	96.0	96.4
>= 500	6.1	58.3	71.5	81.1	87.9	88.7	92.0	93.5	93.5	95.0	95.6	95.7	96.3	96.5	96.8	97.3
>= 400	6.1	58.4	71.6	81.2	88.2	89.2	92.8	94.3	94.3	95.8	96.4	96.5	97.2	97.3	97.6	98.1
>= 300	6.1	58.4	71.6	81.2	88.2	89.2	92.8	94.5	94.5	96.0	96.7	96.8	97.4	97.6	98.0	98.6
>= 200	6.1	58.4	71.6	81.2	88.3	89.4	92.9	94.7	94.7	96.2	96.9	97.0	97.6	97.8	98.2	98.8
>= 100	6.1	58.4	71.6	81.2	88.3	89.4	92.9	94.7	94.7	96.2	96.9	97.0	97.6	97.8	98.3	99.0
>= 0	6.1	58.4	71.6	81.2	88.3	89.4	92.9	94.7	94.7	96.2	96.9	97.0	97.6	97.9	98.4	100.0

TOTAL NO. OF OBS : 1092

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : SEP
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	3.2	26.4	33.4	38.7	42.6	44.0	47.2	48.7	49.0	50.0	50.7	50.7	51.1	51.1	51.9	52.5
>=20000	3.2	29.5	37.4	43.3	47.4	49.0	52.3	54.0	54.4	55.4	56.2	56.2	56.6	56.7	57.5	58.1
>=18000	3.2	29.7	37.5	43.4	47.5	49.2	52.5	54.1	54.6	55.6	56.4	56.4	56.8	56.9	57.7	58.3
>=16000	3.2	29.7	37.5	43.4	47.5	49.2	52.5	54.1	54.6	55.6	56.4	56.4	56.8	56.9	57.7	58.3
>=14000	3.2	30.0	37.9	43.8	47.9	49.5	52.8	54.5	54.9	56.0	56.7	56.7	57.2	57.3	58.1	58.7
>=12000	3.2	30.8	39.0	45.4	49.5	51.2	54.6	56.2	56.6	57.7	58.5	58.5	58.9	59.0	59.9	60.5
>=10000	3.4	33.6	42.4	49.7	54.0	55.7	59.3	61.3	61.8	62.9	63.8	63.8	64.3	64.5	65.3	65.9
>= 9000	3.5	34.4	43.2	50.5	54.7	56.5	60.1	62.2	62.6	63.8	64.6	64.6	65.2	65.3	66.2	66.8
>= 8000	3.5	37.7	47.1	55.2	59.8	61.6	65.5	67.8	68.2	69.3	70.2	70.2	70.7	70.9	71.8	72.4
>= 7000	3.6	38.3	48.2	56.3	61.1	62.9	66.8	69.2	69.6	70.7	71.6	71.6	72.1	72.3	73.2	73.8
>= 6000	3.6	38.7	48.6	56.6	61.6	63.4	67.3	69.7	70.1	71.2	72.1	72.1	72.6	72.8	73.7	74.3
>= 5000	3.6	39.7	49.7	57.8	62.8	64.6	68.6	71.0	71.4	72.5	73.4	73.4	73.9	74.1	75.0	75.6
>= 4500	3.8	40.1	50.2	58.4	63.4	65.2	69.2	71.6	72.0	73.2	74.0	74.0	74.5	74.7	75.6	76.2
>= 4000	3.8	41.1	51.4	59.7	65.1	66.9	70.9	73.2	73.7	74.8	75.7	75.7	76.2	76.4	77.2	77.8
>= 3500	3.9	41.6	52.1	60.4	65.8	67.6	71.6	73.9	74.4	75.5	76.4	76.4	76.9	77.1	77.9	78.5
>= 3000	4.0	42.9	53.5	62.0	67.4	69.2	73.3	75.7	76.1	77.2	78.1	78.1	78.6	78.8	79.7	80.3
>= 2500	4.0	43.5	54.5	63.2	68.7	70.7	74.8	77.2	77.6	78.8	79.7	79.7	80.2	80.4	81.2	81.8
>= 2000	4.0	44.7	55.8	64.8	70.6	72.8	77.0	79.3	79.8	81.1	81.9	81.9	82.5	82.6	83.5	84.1
>= 1800	4.1	44.9	56.0	65.2	71.0	73.2	77.3	79.7	80.1	81.4	82.3	82.3	82.8	83.0	83.8	84.4
>= 1500	4.2	46.0	57.7	67.2	73.4	75.7	79.9	82.3	82.7	84.1	85.0	85.0	85.5	85.7	86.5	87.1
>= 1200	4.2	46.8	58.7	68.5	74.8	77.1	81.5	84.1	84.5	85.9	86.8	86.8	87.4	87.6	88.4	89.1
>= 1000	4.3	47.5	59.5	69.7	76.5	78.8	83.4	86.0	86.4	87.8	88.8	88.8	89.4	89.6	90.4	91.1
>= 900	4.3	47.7	59.7	70.0	76.9	79.2	83.9	86.5	87.0	88.4	89.3	89.3	89.9	90.1	91.0	91.7
>= 800	4.3	48.4	60.4	71.0	78.3	80.6	85.5	88.1	88.5	89.9	90.9	90.9	91.5	91.7	92.5	93.2
>= 700	4.3	48.7	60.9	71.6	79.0	81.6	86.4	89.1	89.6	91.1	92.0	92.0	92.6	92.8	93.7	94.4
>= 600	4.3	48.7	61.2	72.0	79.6	82.3	87.2	89.9	90.4	92.1	93.1	93.1	93.7	93.9	94.9	95.6
>= 500	4.3	48.9	61.5	72.4	80.1	82.8	87.7	90.6	91.1	92.9	94.0	94.0	94.7	94.9	95.8	96.5
>= 400	4.3	48.9	61.6	72.5	80.2	82.9	88.0	91.0	91.4	93.4	94.7	94.7	95.5	95.7	96.8	97.5
>= 300	4.3	48.9	61.6	72.5	80.4	83.1	88.4	91.3	91.7	93.8	95.2	95.2	96.0	96.2	97.3	98.0
>= 200	4.3	48.9	61.6	72.5	80.4	83.1	88.6	91.6	92.0	94.3	95.8	95.8	96.8	97.0	98.2	98.9
>= 100	4.3	48.9	61.6	72.5	80.4	83.1	88.6	91.6	92.0	94.3	95.9	95.9	97.0	97.1	98.3	99.2
>= 0	4.3	48.9	61.6	72.5	80.4	83.1	88.6	91.6	92.0	94.3	95.9	95.9	97.0	97.2	98.5	100.0

TOTAL NO. OF OBS : 1151

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : SEP
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.2	42.5	47.3	50.1	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
>=20000	6.2	47.0	52.7	55.9	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
>=18000	6.2	47.2	52.9	56.1	57.1	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
>=16000	6.2	47.4	53.0	56.3	57.3	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
>=14000	6.2	47.6	53.7	57.0	58.1	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
>=12000	6.4	49.1	55.3	58.5	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
>=10000	6.8	51.8	58.6	62.1	63.3	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
>= 9000	6.9	52.1	58.9	62.5	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
>= 8000	7.1	54.7	61.8	65.6	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
>= 7000	7.2	55.6	62.7	66.6	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
>= 6000	7.4	56.2	63.3	67.2	68.7	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
>= 5000	7.5	56.9	64.1	68.0	69.5	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
>= 4500	7.5	56.9	64.1	68.0	69.5	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
>= 4000	7.7	57.7	65.3	69.6	71.1	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
>= 3500	7.7	58.1	65.8	70.1	71.6	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
>= 3000	7.9	60.5	68.5	73.0	74.7	74.8	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
>= 2500	8.5	63.2	71.6	76.3	78.0	78.3	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
>= 2000	8.7	66.2	74.7	80.1	82.0	82.3	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
>= 1800	8.7	66.7	75.3	80.7	82.8	83.2	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
>= 1500	8.8	69.6	79.0	85.2	87.5	87.9	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
>= 1200	9.1	71.7	81.4	87.8	90.4	90.8	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
>= 1000	9.2	72.7	82.8	89.4	92.3	92.7	93.5	93.6	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8
>= 900	9.2	73.1	83.2	90.1	93.2	93.6	94.3	94.5	94.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8
>= 800	9.2	73.6	84.1	91.3	94.7	95.0	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
>= 700	9.2	73.8	84.3	91.6	95.1	95.6	96.4	96.6	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0
>= 600	9.2	73.9	84.7	91.9	95.6	96.1	97.0	97.2	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7
>= 500	9.2	74.0	84.8	92.1	96.1	96.8	97.8	98.1	98.1	98.6	98.8	98.8	98.9	98.9	98.9	98.9
>= 400	9.2	74.1	84.9	92.2	96.3	97.0	98.2	98.5	98.5	99.0	99.5	99.5	99.6	99.6	99.6	99.6
>= 300	9.2	74.1	84.9	92.2	96.3	97.2	98.4	98.8	98.8	99.3	99.7	99.7	99.8	99.8	99.8	99.8
>= 200	9.2	74.1	84.9	92.2	96.3	97.2	98.5	98.9	98.9	99.4	99.8	99.8	99.9	99.9	99.9	99.9
>= 100	9.2	74.1	84.9	92.2	96.3	97.2	98.5	98.9	98.9	99.4	99.8	99.8	99.9	100.0	100.0	100.0
>= 0	9.2	74.1	84.9	92.2	96.3	97.2	98.5	98.9	98.9	99.4	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NO. OF OBS : 1148

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : SEP
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.0	44.1	47.6	49.4	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
>=20000	8.2	49.1	53.2	55.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
>=18000	8.2	49.2	53.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
>=16000	8.2	49.3	53.4	55.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
>=14000	8.2	49.7	53.8	55.9	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
>=12000	8.5	51.6	55.8	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
>=10000	8.7	53.6	58.3	60.8	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
>= 9000	8.8	53.9	58.8	61.3	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
>= 8000	9.2	56.4	61.4	63.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
>= 7000	9.4	57.1	62.2	64.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
>= 6000	9.4	57.5	62.6	65.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
>= 5000	9.5	58.0	63.1	65.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
>= 4500	9.6	58.1	63.2	65.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
>= 4000	9.9	59.3	64.8	67.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0
>= 3500	10.1	59.7	65.3	68.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
>= 3000	11.0	65.2	71.4	74.7	76.0	76.0	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
>= 2500	11.5	68.1	74.7	78.1	79.4	79.4	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
>= 2000	12.1	71.8	79.1	82.7	84.3	84.3	84.5	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
>= 1800	12.2	72.5	79.9	83.5	85.1	85.1	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
>= 1500	12.4	75.4	83.0	87.2	89.1	89.2	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
>= 1200	12.6	77.0	85.4	89.9	92.0	92.3	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
>= 1000	12.6	77.6	86.2	90.7	93.2	93.5	94.0	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
>= 900	12.6	77.9	86.5	91.1	93.6	94.0	94.5	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
>= 800	12.6	78.1	86.9	91.7	94.5	94.8	95.6	96.0	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.3
>= 700	12.7	78.2	87.1	92.1	95.1	95.5	96.6	96.9	96.9	97.2	97.3	97.3	97.5	97.5	97.5	97.6
>= 600	12.7	78.4	87.2	92.3	95.5	95.9	97.2	97.6	97.6	98.0	98.1	98.1	98.3	98.3	98.3	98.4
>= 500	12.7	78.4	87.4	92.6	95.9	96.2	97.7	98.3	98.3	98.8	98.9	98.9	99.2	99.2	99.2	99.3
>= 400	12.7	78.4	87.4	92.7	96.0	96.3	98.0	98.6	98.7	99.2	99.3	99.3	99.7	99.7	99.7	99.8
>= 300	12.7	78.4	87.4	92.7	96.0	96.3	98.2	98.8	98.9	99.4	99.5	99.5	99.8	99.8	99.8	100.0
>= 200	12.7	78.4	87.4	92.7	96.0	96.3	98.2	98.8	98.9	99.4	99.5	99.5	99.8	99.8	99.8	100.0
>= 100	12.7	78.4	87.4	92.7	96.0	96.3	98.2	98.8	98.9	99.4	99.5	99.5	99.8	99.8	99.8	100.0
>= 0	12.7	78.4	87.4	92.7	96.0	96.3	98.2	98.8	98.9	99.4	99.5	99.5	99.8	99.8	99.8	100.0

TOTAL NO. OF OBS : 1144

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : SEP
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	9.1	47.3	52.0	54.0	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
>=20000	9.2	52.4	58.1	60.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
>=18000	9.2	52.5	58.2	60.4	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
>=16000	9.2	52.6	58.3	60.5	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
>=14000	9.3	53.2	59.0	61.2	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
>=12000	9.7	55.1	61.1	63.6	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
>=10000	9.9	58.0	64.3	67.0	67.7	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
>= 9000	9.9	58.5	64.9	67.5	68.3	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
>= 8000	9.9	61.1	68.0	70.7	72.0	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
>= 7000	10.1	62.1	69.2	72.0	73.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
>= 6000	10.2	62.8	69.9	72.7	74.0	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
>= 5000	10.2	63.4	70.6	73.6	74.9	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
>= 4500	10.2	63.4	70.6	73.6	74.9	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
>= 4000	10.3	64.8	72.2	75.3	76.6	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
>= 3500	10.4	65.2	72.7	75.9	77.3	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
>= 3000	10.7	69.3	77.2	80.6	82.2	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
>= 2500	10.9	71.2	79.4	82.9	84.6	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
>= 2000	10.9	73.5	82.0	85.9	88.2	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1
>= 1800	11.0	73.8	82.3	86.2	88.4	88.9	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4
>= 1500	11.0	75.2	84.4	88.4	90.8	91.4	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.1
>= 1200	11.0	75.6	85.4	89.8	92.3	93.1	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8
>= 1000	11.0	75.9	85.8	90.6	93.4	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1
>= 900	11.0	76.0	85.9	91.0	93.8	94.6	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
>= 800	11.0	76.3	86.4	91.4	94.4	95.3	96.0	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
>= 700	11.0	76.6	86.6	91.8	94.7	95.7	96.5	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3
>= 600	11.0	76.8	86.9	92.2	95.1	96.1	96.9	97.7	97.7	97.9	98.1	98.1	98.2	98.2	98.2	98.3
>= 500	11.0	76.9	87.0	92.4	95.3	96.3	97.5	98.4	98.4	98.6	98.8	98.8	98.9	98.9	98.9	99.0
>= 400	11.0	76.9	87.0	92.4	95.3	96.3	97.7	98.6	98.6	99.1	99.3	99.3	99.4	99.4	99.4	99.5
>= 300	11.0	76.9	87.0	92.4	95.3	96.3	97.7	98.8	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.6
>= 200	11.0	76.9	87.0	92.4	95.3	96.3	97.7	98.9	98.9	99.5	99.6	99.6	99.7	99.8	99.9	100.0
>= 100	11.0	76.9	87.0	92.4	95.3	96.3	97.7	98.9	98.9	99.5	99.6	99.6	99.7	99.8	99.9	100.0
>= 0	11.0	76.9	87.0	92.4	95.3	96.3	97.7	98.9	98.9	99.5	99.6	99.6	99.7	99.8	99.9	100.0

TOTAL NO. OF OBS : 1099

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : SEP
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.1	45.5	51.6	55.2	57.9	58.3	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
>=20000	7.2	49.6	56.6	60.5	63.7	64.0	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
>=18000	7.2	49.7	56.7	60.6	63.8	64.1	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
>=16000	7.2	49.7	56.7	60.6	63.8	64.1	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
>=14000	7.3	50.8	57.8	61.8	65.0	65.3	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
>=12000	7.5	52.6	59.9	64.0	67.2	67.6	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
>=10000	7.5	55.3	62.9	67.3	70.7	71.1	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
>= 9000	7.5	55.9	63.5	67.8	71.3	71.7	72.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
>= 8000	7.9	59.6	67.9	72.6	76.2	76.7	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
>= 7000	8.0	60.2	68.7	73.3	77.0	77.4	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
>= 6000	8.0	60.4	69.0	73.7	77.4	77.9	78.3	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
>= 5000	8.1	61.4	70.1	74.8	78.6	79.1	79.6	79.9	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1
>= 4500	8.1	61.4	70.1	74.8	78.6	79.1	79.6	79.9	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1
>= 4000	8.3	62.3	71.0	76.0	80.0	80.5	80.9	81.3	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5
>= 3500	8.4	62.9	71.7	76.9	80.9	81.3	81.8	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3
>= 3000	8.7	65.2	74.5	80.1	84.2	84.7	85.3	85.7	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9
>= 2500	8.8	66.2	75.6	81.1	85.3	85.8	86.6	87.2	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4
>= 2000	8.9	67.6	77.1	83.0	87.3	87.7	88.7	89.3	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5
>= 1800	8.9	67.8	77.4	83.3	87.5	88.0	88.9	89.6	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8
>= 1500	9.0	69.1	78.9	84.9	89.7	90.3	91.4	92.0	92.1	92.1	92.1	92.1	92.3	92.3	92.3	92.3
>= 1200	9.0	69.5	79.7	86.2	91.0	91.6	92.8	93.5	93.6	93.7	93.7	93.7	93.9	93.9	93.9	93.9
>= 1000	9.0	69.6	80.1	86.5	91.5	92.3	93.7	94.3	94.4	94.5	94.5	94.5	94.7	94.7	94.7	94.7
>= 900	9.0	69.6	80.3	86.7	91.7	92.5	94.0	94.7	94.8	94.9	94.9	94.9	95.1	95.1	95.1	95.1
>= 800	9.0	69.7	80.5	87.3	92.7	93.4	94.9	95.6	95.7	95.8	95.8	95.8	96.0	96.0	96.0	96.0
>= 700	9.0	69.8	80.7	87.5	93.2	94.2	95.8	96.6	96.7	96.7	96.7	96.7	96.9	96.9	96.9	96.9
>= 600	9.0	70.0	80.9	87.9	93.8	94.9	96.5	97.3	97.4	97.6	97.6	97.6	97.8	97.8	97.8	97.8
>= 500	9.0	70.1	81.1	88.3	94.2	95.4	97.1	98.1	98.2	98.5	98.7	98.7	98.9	98.9	98.9	98.9
>= 400	9.0	70.1	81.1	88.3	94.3	95.4	97.2	98.3	98.4	98.8	99.1	99.1	99.3	99.3	99.3	99.3
>= 300	9.0	70.1	81.2	88.4	94.4	95.5	97.3	98.6	98.7	99.2	99.4	99.4	99.6	99.6	99.6	99.6
>= 200	9.0	70.1	81.2	88.4	94.4	95.5	97.3	98.6	98.7	99.3	99.7	99.7	99.9	99.9	99.9	99.9
>= 100	9.0	70.1	81.2	88.4	94.4	95.5	97.3	98.6	98.7	99.3	99.7	99.7	99.9	100.0	100.0	100.0
>= 0	9.0	70.1	81.2	88.4	94.4	95.5	97.3	98.6	98.7	99.3	99.7	99.7	99.9	100.0	100.0	100.0

TOTAL NO. OF OBS : 1076

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : SEP
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.9	50.6	57.1	61.4	64.8	65.0	65.3	65.4	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.7
>=20000	8.0	52.8	60.4	65.1	68.6	68.7	69.0	69.1	69.1	69.3	69.3	69.3	69.4	69.4	69.4	69.4
>=18000	8.1	52.9	60.5	65.2	68.6	68.8	69.1	69.2	69.2	69.4	69.4	69.4	69.5	69.5	69.5	69.5
>=16000	8.1	52.9	60.5	65.2	68.6	68.8	69.1	69.2	69.2	69.4	69.4	69.4	69.5	69.5	69.5	69.5
>=14000	8.2	53.1	60.8	65.6	69.0	69.2	69.5	69.6	69.6	69.8	69.8	69.8	69.9	69.9	69.9	69.9
>=12000	8.3	54.1	62.0	66.9	70.3	70.5	70.8	70.9	70.9	71.1	71.1	71.1	71.2	71.2	71.2	71.2
>=10000	8.3	56.7	65.2	70.5	74.0	74.2	74.7	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0
>= 9000	8.3	57.1	65.6	70.9	74.4	74.6	75.0	75.1	75.1	75.3	75.3	75.3	75.4	75.4	75.4	75.4
>= 8000	8.4	60.4	69.4	75.0	78.5	78.7	79.1	79.2	79.2	79.4	79.4	79.4	79.5	79.5	79.5	79.5
>= 7000	8.5	60.9	70.1	75.8	79.3	79.5	80.0	80.1	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3
>= 6000	8.5	61.1	70.4	76.2	79.7	79.9	80.3	80.4	80.4	80.6	80.6	80.6	80.7	80.7	80.7	80.7
>= 5000	8.8	62.1	71.5	77.5	81.2	81.4	81.8	81.9	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.2
>= 4500	8.8	62.3	71.9	77.8	81.5	81.7	82.2	82.3	82.3	82.5	82.5	82.5	82.6	82.6	82.6	82.6
>= 4000	8.9	63.5	73.4	79.4	83.1	83.3	83.9	84.0	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.2
>= 3500	8.9	63.7	73.6	79.9	83.6	83.8	84.4	84.5	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8
>= 3000	9.0	65.2	75.9	82.6	86.5	86.6	87.3	87.4	87.4	87.6	87.6	87.6	87.7	87.7	87.7	87.7
>= 2500	9.0	66.1	77.1	83.8	87.8	87.9	88.6	88.7	88.7	88.9	88.9	88.9	89.0	89.0	89.0	89.0
>= 2000	9.0	67.1	78.2	84.9	89.1	89.3	90.0	90.1	90.1	90.3	90.3	90.3	90.4	90.4	90.4	90.4
>= 1800	9.0	67.2	78.5	85.3	89.5	89.7	90.4	90.4	90.4	90.6	90.6	90.6	90.7	90.7	90.7	90.7
>= 1500	9.1	68.0	79.9	87.2	91.5	91.7	92.3	92.5	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.8
>= 1200	9.1	68.8	81.1	88.6	93.2	93.4	94.2	94.3	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.7
>= 1000	9.1	69.5	81.8	89.7	94.6	94.8	95.5	95.7	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.1
>= 900	9.1	69.5	81.8	89.8	94.7	94.9	95.6	95.8	95.8	96.1	96.1	96.1	96.2	96.2	96.2	96.2
>= 800	9.1	69.8	82.1	90.2	95.2	95.4	96.2	96.4	96.4	96.7	96.7	96.7	96.8	96.8	96.8	96.8
>= 700	9.1	69.8	82.1	90.3	95.5	95.8	96.7	96.9	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3
>= 600	9.1	69.9	82.2	90.4	95.7	96.1	96.9	97.2	97.2	97.7	97.7	97.7	97.8	97.8	97.8	97.8
>= 500	9.1	70.0	82.5	90.9	96.3	96.8	98.1	98.3	98.3	98.8	98.9	98.9	99.0	99.0	99.0	99.0
>= 400	9.1	70.0	82.6	91.0	96.4	97.1	98.4	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4
>= 300	9.1	70.0	82.6	91.0	96.4	97.1	98.5	98.9	98.9	99.5	99.6	99.6	99.7	99.7	99.7	99.7
>= 200	9.1	70.0	82.6	91.0	96.4	97.1	98.5	98.9	98.9	99.5	99.6	99.6	99.8	99.8	99.8	99.8
>= 100	9.1	70.0	82.6	91.0	96.4	97.1	98.5	98.9	98.9	99.6	99.7	99.7	99.9	99.9	99.9	99.9
>= 0	9.1	70.0	82.6	91.0	96.4	97.1	98.5	98.9	98.9	99.6	99.7	99.7	99.9	99.9	99.9	100.0

TOTAL NO. OF OBS : 1078

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : SEP
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.6	42.8	48.6	52.3	54.7	55.1	56.0	56.4	56.5	56.8	57.0	57.0	57.1	57.1	57.3	57.4
>=20000	6.6	46.3	52.8	57.0	59.6	60.0	61.0	61.4	61.5	61.9	62.0	62.0	62.2	62.2	62.4	62.5
>=18000	6.6	46.4	52.9	57.1	59.7	60.1	61.0	61.5	61.6	61.9	62.1	62.1	62.3	62.3	62.4	62.6
>=16000	6.6	46.4	53.0	57.1	59.7	60.1	61.1	61.6	61.6	62.0	62.2	62.2	62.3	62.3	62.5	62.6
>=14000	6.7	46.8	53.5	57.7	60.3	60.7	61.7	62.2	62.2	62.6	62.8	62.8	62.9	62.9	63.1	63.3
>=12000	6.9	48.0	54.8	59.2	61.8	62.2	63.3	63.8	63.8	64.2	64.4	64.4	64.5	64.5	64.7	64.8
>=10000	7.0	50.6	57.9	62.6	65.4	65.8	66.9	67.5	67.5	67.9	68.1	68.1	68.3	68.3	68.5	68.6
>= 9000	7.1	51.0	58.4	63.1	65.9	66.3	67.4	67.9	68.0	68.4	68.6	68.6	68.7	68.8	69.0	69.1
>= 8000	7.2	54.0	61.9	66.8	69.9	70.3	71.4	72.0	72.1	72.5	72.7	72.7	72.8	72.9	73.0	73.2
>= 7000	7.4	54.7	62.8	67.8	70.8	71.3	72.4	73.0	73.1	73.5	73.7	73.7	73.8	73.9	74.0	74.2
>= 6000	7.4	55.1	63.2	68.2	71.4	71.8	73.0	73.6	73.6	74.0	74.2	74.2	74.4	74.4	74.6	74.7
>= 5000	7.5	55.9	64.1	69.2	72.4	72.8	74.0	74.6	74.7	75.1	75.3	75.3	75.4	75.5	75.7	75.8
>= 4500	7.6	56.0	64.2	69.4	72.5	73.0	74.2	74.8	74.9	75.3	75.5	75.5	75.6	75.7	75.8	76.0
>= 4000	7.7	57.1	65.7	71.0	74.3	74.7	75.9	76.6	76.6	77.0	77.2	77.2	77.4	77.4	77.6	77.8
>= 3500	7.8	57.6	66.2	71.7	75.0	75.4	76.7	77.3	77.3	77.7	78.0	78.0	78.1	78.1	78.3	78.5
>= 3000	8.1	60.2	69.2	74.9	78.4	78.9	80.2	80.8	80.9	81.3	81.5	81.5	81.6	81.7	81.8	82.0
>= 2500	8.3	61.7	71.1	77.0	80.5	81.1	82.4	83.1	83.2	83.6	83.8	83.8	83.9	84.0	84.2	84.3
>= 2000	8.4	63.6	73.4	79.6	83.3	83.9	85.4	86.0	86.1	86.5	86.7	86.7	86.9	86.9	87.1	87.3
>= 1800	8.5	63.9	73.7	79.9	83.8	84.4	85.8	86.5	86.5	87.0	87.2	87.2	87.3	87.4	87.5	87.7
>= 1500	8.6	65.4	75.8	82.4	86.5	87.2	88.7	89.4	89.4	89.9	90.1	90.1	90.3	90.3	90.5	90.7
>= 1200	8.6	66.4	77.0	83.9	88.2	88.9	90.5	91.3	91.3	91.8	92.0	92.0	92.2	92.2	92.4	92.6
>= 1000	8.7	67.0	77.8	85.0	89.5	90.3	91.9	92.7	92.7	93.3	93.5	93.5	93.7	93.7	93.9	94.1
>= 900	8.7	67.1	78.0	85.3	90.0	90.7	92.4	93.2	93.3	93.8	94.0	94.1	94.2	94.3	94.4	94.6
>= 800	8.7	67.5	78.5	86.0	90.9	91.6	93.5	94.3	94.4	94.9	95.2	95.2	95.4	95.4	95.6	95.8
>= 700	8.7	67.7	78.8	86.4	91.4	92.3	94.2	95.1	95.2	95.7	96.0	96.0	96.2	96.2	96.4	96.6
>= 600	8.7	67.8	79.1	86.7	91.9	92.8	94.8	95.7	95.8	96.5	96.8	96.8	97.0	97.1	97.3	97.5
>= 500	8.7	67.9	79.3	87.1	92.4	93.3	95.5	96.5	96.6	97.4	97.7	97.7	98.0	98.0	98.2	98.4
>= 400	8.7	67.9	79.3	87.1	92.5	93.5	95.8	96.9	97.0	97.8	98.3	98.3	98.5	98.6	98.8	99.0
>= 300	8.7	67.9	79.3	87.2	92.5	93.6	96.0	97.1	97.2	98.1	98.5	98.6	98.8	98.9	99.1	99.3
>= 200	8.7	67.9	79.3	87.2	92.6	93.6	96.1	97.3	97.3	98.3	98.7	98.8	99.1	99.1	99.4	99.6
>= 100	8.7	67.9	79.3	87.2	92.6	93.6	96.1	97.3	97.3	98.3	98.8	98.8	99.1	99.2	99.5	99.7
>= 0	8.7	67.9	79.3	87.2	92.6	93.6	96.1	97.3	97.3	98.3	98.8	98.8	99.1	99.2	99.5	100.0

TOTAL NO. OF OBS : 8880

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : OCT
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.0	2.9	2.8	1.9	.0	.0	.0	.0	.0	.0	.0	8.6	7.7
NNE	.5	1.4	2.9	1.6	.3	.1	.1	.0	.0	.0	.0	6.8	9.2
NE	.3	1.0	1.7	1.8	.0	.0	.1	.0	.0	.0	.0	4.9	9.7
ENE	.4	1.6	1.6	.9	.2	.0	.1	.0	.0	.0	.0	4.7	8.1
E	.9	.5	1.0	.6	.1	.0	.0	.0	.0	.0	.0	3.1	7.2
ESE	.6	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	1.7	6.0
SE	.6	.8	.7	.1	.0	.0	.0	.0	.0	.0	.0	2.2	5.2
SSE	.7	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.5
S	1.9	1.7	1.0	.2	.1	.0	.0	.0	.0	.0	.0	5.0	4.9
SSW	1.7	2.9	2.1	.2	.0	.0	.0	.0	.0	.0	.0	6.9	5.6
SW	4.2	4.0	1.6	.5	.0	.0	.0	.0	.0	.0	.0	10.3	4.7
WSW	2.9	2.5	.5	.3	.0	.0	.0	.0	.0	.0	.0	6.2	4.3
W	1.4	1.6	1.3	.0	.0	.0	.0	.0	.0	.0	.0	4.3	5.2
WNW	.7	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	2.0	4.7
NW	.7	.4	1.0	.7	.0	.0	.0	.0	.0	.0	.0	2.9	7.4
NNW	.8	.8	1.2	1.7	.7	.0	.0	.0	.0	.0	.0	5.2	9.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.5	.0
ALL	19.4	24.1	20.5	10.7	1.4	.1	.3	.0	.0	.0	.0	100.0	5.1

TOTAL NO. OF OBS : 1147

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : OCT
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.0	3.0	3.1	2.2	.3	.0	.0	.0	.0	.0	.0	9.6	8.1
NNE	.4	1.2	2.5	1.9	.2	.2	.0	.0	.0	.0	.0	6.5	9.6
NE	1.0	1.6	2.2	1.5	.2	.2	.0	.0	.0	.0	.0	6.6	8.4
ENE	.7	1.1	1.7	1.2	.1	.1	.0	.0	.0	.0	.0	5.0	8.5
E	.3	.8	1.0	.4	.2	.0	.0	.0	.0	.0	.0	2.7	8.1
ESE	.1	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	1.0	7.3
SE	.7	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.0	3.9
SSE	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.9	5.6
S	1.0	1.8	1.1	.1	.0	.0	.0	.0	.0	.0	.0	4.1	5.3
SSW	1.1	2.3	1.5	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.4
SW	5.7	4.0	2.0	.2	.1	.0	.0	.0	.0	.0	.0	11.9	4.3
WSW	3.5	2.6	.7	.3	.0	.0	.0	.0	.0	.0	.0	7.1	4.2
W	1.6	1.4	.7	.1	.0	.0	.0	.0	.0	.0	.0	3.7	4.6
WNW	.7	.7	.3	.2	.0	.0	.0	.0	.0	.0	.0	1.9	5.1
NW	.1	.7	.8	.9	.1	.1	.0	.0	.0	.0	.0	2.6	9.9
NNW	.8	.8	1.9	2.0	.3	.1	.0	.0	.0	.0	.0	5.8	9.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24.7	.0
ALL	19.1	23.0	20.1	11.2	1.3	.6	.0	.0	.0	.0	.0	100.0	5.1

TOTAL NO. OF OBS : 1147

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : OCT
CLASS : ALL WEATHER HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.5	2.3	4.0	2.7	.6	.2	.0	.0	.0	.0	.0	11.1	8.8
NNE	.5	1.5	2.4	2.4	.4	.2	.0	.1	.0	.0	.0	7.5	10.3
NE	.2	1.2	2.1	2.0	.2	.1	.0	.0	.0	.0	.0	5.9	10.2
ENE	.4	1.5	1.8	1.2	.3	.0	.0	.0	.0	.0	.0	5.2	9.0
E	.7	1.2	1.6	.4	.1	.1	.0	.0	.0	.0	.0	4.1	7.4
ESE	.4	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0	1.4	6.7
SE	.3	.3	.7	.1	.0	.0	.0	.0	.0	.0	.0	1.4	6.3
SSE	.7	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	1.6	4.9
S	.7	1.2	1.1	.1	.0	.1	.0	.0	.0	.0	.0	3.1	6.1
SSW	1.2	1.8	1.9	.2	.1	.0	.0	.0	.0	.0	.0	5.1	6.0
SW	3.8	4.2	1.8	.3	.1	.0	.0	.0	.0	.0	.0	10.2	4.7
WSW	3.2	2.3	1.1	.1	.1	.0	.0	.0	.0	.0	.0	6.7	4.5
W	1.5	1.1	1.0	.2	.0	.0	.0	.0	.0	.0	.0	3.9	5.1
WNW	.5	.9	.6	.1	.1	.0	.0	.0	.0	.0	.0	2.1	5.9
NW	.6	1.2	1.1	.7	.4	.3	.0	.0	.0	.0	.0	4.3	9.5
NNW	.7	.7	1.9	1.9	.1	.2	.0	.0	.0	.0	.0	5.4	9.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.9	.0
ALL	16.7	22.5	23.5	12.7	2.5	1.1	.0	.1	.0	.0	.0	100.0	5.9

TOTAL NO. OF OBS : 1230

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : OCT
CLASS : ALL WEATHER HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.7	2.3	4.6	4.6	.8	.0	.0	.0	.0	.0	.0	12.9	9.7
NNE	.7	.8	3.4	4.1	.2	.2	.0	.0	.0	.0	.0	9.4	10.5
NE	.4	1.5	3.9	2.8	.3	.2	.0	.0	.0	.0	.0	9.0	10.1
ENE	.3	1.2	2.7	1.5	.6	.2	.0	.0	.0	.0	.0	6.4	10.1
E	.3	1.4	2.9	1.5	.1	.0	.0	.0	.0	.0	.0	6.2	8.6
ESE	.7	.9	1.5	.4	.1	.0	.1	.0	.0	.0	.0	3.7	7.7
SE	.5	.3	.7	.4	.0	.0	.0	.0	.0	.0	.0	2.0	7.0
SSE	.2	.5	.9	.4	.0	.0	.0	.0	.0	.0	.0	2.0	7.8
S	.8	1.1	1.7	.1	.0	.0	.0	.0	.0	.0	.0	3.7	6.1
SSW	.9	1.1	1.8	1.0	.0	.1	.0	.0	.0	.0	.0	4.8	7.7
SW	.8	2.1	3.3	1.9	.3	.1	.0	.0	.0	.0	.0	8.5	8.7
WSW	1.0	1.8	3.1	.8	.2	.1	.0	.0	.0	.0	.0	6.9	7.6
W	.7	1.2	1.1	.7	.0	.0	.0	.0	.0	.0	.0	3.7	7.0
WNW	.3	.9	.8	.7	.2	.0	.1	.0	.0	.0	.0	3.0	9.2
NW	.4	1.5	2.0	1.9	.7	.0	.0	.0	.0	.0	.0	6.5	9.7
NNW	.5	1.0	2.5	3.0	1.1	.2	.0	.0	.0	.0	.0	8.3	11.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0
ALL	9.2	19.5	37.0	25.6	4.6	1.0	.2	.0	.0	.0	.0	100.0	8.8

TOTAL NO. OF OBS : 1230

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : OCT
CLASS : ALL WEATHER HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.4	1.9	4.0	3.9	.7	.0	.0	.0	.0	.0	.0	11.0	9.8
NNE	.6	1.8	3.0	2.2	.6	.2	.0	.0	.0	.0	.0	8.3	9.4
NE	.4	1.7	3.2	2.7	.3	.2	.0	.0	.0	.0	.0	8.4	9.8
ENE	.5	2.8	3.7	1.6	.2	.1	.0	.0	.0	.0	.0	9.0	8.4
E	.8	3.0	4.4	1.1	.1	.1	.0	.0	.0	.0	.0	9.5	7.6
ESE	.2	1.5	2.5	1.0	.1	.0	.0	.1	.0	.0	.0	5.4	8.4
SE	.2	.8	1.5	.3	.2	.1	.0	.0	.0	.0	.0	3.0	8.9
SSE	.1	.6	1.5	.5	.1	.0	.0	.0	.0	.0	.0	2.7	8.6
S	.6	.9	1.5	.7	.0	.0	.0	.0	.0	.0	.0	3.7	7.5
SSW	.4	1.2	2.8	.6	.2	.0	.0	.0	.0	.0	.0	5.4	8.3
SW	.5	1.4	2.1	1.9	.4	.0	.1	.0	.0	.0	.0	6.3	9.6
WSW	.2	.6	2.4	1.2	.2	.0	.0	.0	.0	.0	.0	4.6	9.8
W	.2	1.3	1.7	1.1	.1	.0	.0	.0	.0	.0	.0	4.4	8.3
WNW	.2	.7	.9	.9	.2	.0	.0	.0	.0	.0	.0	2.9	9.3
NW	.1	.5	1.9	2.4	.2	.0	.0	.0	.0	.0	.0	5.0	10.9
NNW	.2	1.7	3.4	2.9	1.1	.2	.0	.0	.0	.0	.0	9.5	10.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0
ALL	5.7	22.4	40.5	25.1	4.6	.7	.1	.1	.0	.0	.0	100.0	9.1

TOTAL NO. OF OBS : 1231

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : OCT
CLASS : ALL WEATHER HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.9	2.8	4.4	2.0	.5	.0	.0	.0	.0	.0	.0	10.6	8.5
NNE	.5	2.0	3.2	2.1	.2	.1	.0	.0	.0	.0	.0	8.0	8.8
NE	.6	1.8	2.5	1.9	.4	.2	.0	.0	.0	.0	.0	7.3	9.2
ENE	.4	2.8	3.4	1.3	.3	.0	.0	.0	.0	.0	.0	8.2	8.0
E	.9	5.8	3.8	1.2	.1	.0	.0	.0	.0	.0	.0	11.8	6.7
ESE	.2	3.4	2.0	.3	.0	.0	.0	.0	.0	.0	.0	5.8	6.3
SE	.1	3.0	2.5	1.1	.0	.0	.0	.0	.0	.0	.0	6.7	7.4
SSE	.1	1.2	2.1	.5	.1	.1	.0	.0	.0	.0	.0	4.0	8.2
S	.4	1.1	1.3	.5	.0	.0	.0	.0	.0	.0	.0	3.3	7.0
SSW	.3	1.5	2.0	1.0	.1	.0	.0	.0	.0	.0	.0	4.9	7.9
SW	.5	1.3	2.2	1.5	.1	.1	.0	.0	.0	.0	.0	5.6	8.7
WSW	.1	.8	1.5	.8	.3	.0	.0	.0	.0	.0	.0	3.5	9.2
W	.3	1.3	.9	.3	.1	.0	.0	.0	.0	.0	.0	3.0	7.3
WNW	.1	1.3	1.8	.8	.0	.0	.0	.0	.0	.0	.0	3.9	8.3
NW	.1	1.3	1.8	1.5	.0	.0	.0	.0	.0	.0	.0	4.6	9.0
NNW	.5	2.3	2.6	1.3	.3	.0	.0	.0	.0	.0	.0	7.1	8.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0
ALL	6.0	33.6	38.0	18.1	2.3	.4	.0	.0	.0	.0	.0	100.0	7.9

TOTAL NO. OF OBS : 1198

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

13769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : OCT
CLASS : ALL WEATHER HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.3	2.6	2.6	1.2	.5	.0	.0	.0	.0	.0	.0	8.3	7.8
NNE	1.0	1.7	2.1	1.6	.3	.1	.0	.0	.0	.0	.0	6.7	8.5
NE	.9	1.1	2.1	1.6	.1	.0	.0	.0	.0	.0	.0	5.7	8.2
ENE	1.0	2.0	1.7	1.7	.3	.1	.1	.0	.0	.0	.0	6.8	8.5
E	1.4	2.4	1.1	.4	.2	.0	.0	.0	.0	.0	.0	5.6	5.8
ESE	2.0	.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	3.4	4.2
SE	1.7	2.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	4.2	4.4
SSE	2.3	3.0	1.1	.6	.0	.0	.0	.0	.0	.0	.0	7.0	5.3
S	3.0	5.0	1.7	.2	.0	.0	.0	.0	.0	.0	.0	9.9	4.8
SSW	.8	1.7	1.4	.3	.0	.0	.0	.0	.0	.0	.0	4.2	6.3
SW	.9	1.8	.7	.1	.0	.0	.0	.0	.0	.0	.0	3.5	5.0
WSW	1.5	1.1	.8	.3	.0	.0	.0	.0	.0	.0	.0	3.7	5.3
W	1.2	1.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	2.8	4.5
WNW	.6	1.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	2.4	4.9
NW	1.0	.8	1.0	.5	.1	.1	.0	.0	.0	.0	.0	3.5	7.4
NNW	.5	.4	.8	1.1	.1	.0	.0	.0	.0	.0	.0	3.4	8.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.9	.0
ALL	21.0	29.2	18.8	10.2	1.6	.3	.1	.0	.0	.0	.0	100.0	5.2

TOTAL NO. OF OBS : 1148

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : OCT
CLASS : ALL WEATHER HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.2	2.0	2.4	1.8	.4	.0	.0	.0	.0	.0	.0	7.8	8.3
NNE	.9	1.2	2.4	1.6	.3	.0	.0	.0	.0	.0	.0	6.4	8.7
NE	.6	1.8	1.7	1.4	.1	.1	.0	.0	.0	.0	.0	5.7	8.4
ENE	1.0	1.7	1.6	1.5	.3	.1	.0	.0	.0	.0	.0	6.1	8.3
E	1.6	1.3	.8	.7	.3	.0	.0	.0	.0	.0	.0	4.6	6.3
ESE	1.0	1.0	.2	.3	.0	.0	.0	.0	.0	.0	.0	2.4	5.0
SE	1.0	.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	2.4	4.8
SSE	1.0	1.6	.5	.1	.0	.0	.0	.0	.0	.0	.0	3.1	4.8
S	2.8	3.6	2.1	.4	.0	.0	.0	.0	.0	.0	.0	8.9	5.1
SSW	1.5	3.2	2.5	.3	.0	.0	.0	.0	.0	.0	.0	7.6	6.0
SW	2.9	2.4	1.4	.3	.0	.0	.0	.0	.0	.0	.0	6.9	4.7
WSW	2.2	1.3	1.1	.3	.0	.0	.0	.0	.0	.0	.0	5.0	5.1
W	.7	1.1	.5	.3	.0	.0	.0	.0	.0	.0	.0	2.7	5.9
WNW	.8	.7	.3	.3	.0	.0	.0	.0	.0	.0	.0	2.1	6.0
NW	.3	.4	1.0	.5	.2	.0	.0	.0	.0	.0	.0	2.5	9.0
NNW	.6	.6	1.4	1.1	.6	.1	.0	.0	.0	.0	.0	4.4	10.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.3	.0
ALL	19.9	24.8	20.4	11.2	2.2	.3	.0	.0	.0	.0	.0	100.0	5.3

TOTAL NO. OF OBS : 1147

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : OCT
CLASS : ALL WEATHER HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.0	2.5	3.5	2.6	.5	.0*	.0	.0	.0	.0	.0	10.0	8.7
NNE	.6	1.5	2.7	2.2	.3	.1	.0*	.0*	.0	.0	.0	7.5	9.4
NE	.5	1.5	2.4	2.0	.2	.1	.0*	.0	.0	.0	.0	6.7	9.3
ENE	.6	1.8	2.3	1.4	.3	.1	.0*	.0	.0	.0	.0	6.4	8.6
E	.9	2.1	2.1	.8	.1	.0*	.0	.0	.0	.0	.0	6.0	7.2
ESE	.6	1.1	1.0	.3	.0*	.0	.0*	.0*	.0	.0	.0	3.1	6.6
SE	.6	1.0	.9	.3	.0*	.0*	.0	.0	.0	.0	.0	2.9	6.3
SSE	.6	1.0	.9	.3	.0*	.0*	.0	.0	.0	.0	.0	2.9	6.3
S	1.4	2.0	1.4	.3	.0*	.0*	.0	.0	.0	.0	.0	5.2	5.6
SSW	1.0	1.9	2.0	.5	.1	.0*	.0	.0	.0	.0	.0	5.5	6.6
SW	2.4	2.6	1.9	.8	.1	.0*	.0*	.0	.0	.0	.0	7.9	6.1
WSW	1.8	1.6	1.4	.5	.1	.0*	.0	.0	.0	.0	.0	5.5	6.0
W	.9	1.3	1.0	.4	.0*	.0	.0	.0	.0	.0	.0	3.6	6.1
WNW	.5	.9	.7	.4	.1	.0	.0*	.0	.0	.0	.0	2.6	7.1
NW	.4	.9	1.3	1.2	.2	.1	.0	.0	.0	.0	.0	4.0	9.3
NNW	.6	1.1	2.0	1.9	.5	.1	.0	.0	.0	.0	.0	6.2	9.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.1	.0
ALL	14.5	24.9	27.6	15.8	2.6	.6	.1	.0*	.0	.0	.0	100.0	6.6

TOTAL NO. OF OBS : 9478

NOTES :
* = PERCENT < .05

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : OCT
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	5.9	50.3	54.8	57.8	59.9	60.1	60.6	60.9	61.0	61.5	61.7	61.7	62.1	62.1	62.4	62.7
>=20000	5.9	51.2	56.1	59.2	61.4	61.5	62.1	62.5	62.6	63.1	63.3	63.3	63.7	63.7	64.1	64.4
>=18000	5.9	51.2	56.1	59.2	61.4	61.5	62.1	62.5	62.6	63.1	63.3	63.3	63.7	63.7	64.1	64.4
>=16000	6.0	51.3	56.2	59.2	61.4	61.6	62.1	62.6	62.7	63.2	63.4	63.4	63.8	63.8	64.2	64.5
>=14000	6.0	51.4	56.3	59.3	61.5	61.7	62.2	62.7	62.8	63.3	63.5	63.5	63.9	63.9	64.3	64.6
>=12000	6.2	52.4	57.4	60.5	62.7	62.9	63.4	63.8	63.9	64.4	64.6	64.6	65.1	65.1	65.4	65.8
>=10000	6.4	54.2	59.7	62.9	65.2	65.4	65.9	66.4	66.5	67.0	67.2	67.2	67.6	67.6	68.0	68.3
>= 9000	6.5	54.6	60.0	63.3	65.7	65.8	66.4	66.8	66.9	67.4	67.6	67.6	68.0	68.0	68.4	68.8
>= 8000	6.7	58.4	64.5	68.1	70.6	70.8	71.4	71.8	71.9	72.4	72.6	72.6	73.1	73.1	73.4	73.8
>= 7000	7.0	59.4	65.7	69.3	71.7	71.9	72.5	73.0	73.1	73.6	73.8	73.8	74.2	74.2	74.6	74.9
>= 6000	7.0	59.7	66.0	69.6	72.1	72.3	72.9	73.3	73.4	73.9	74.1	74.1	74.6	74.6	74.9	75.3
>= 5000	7.2	61.1	67.6	71.3	73.8	73.9	74.6	75.0	75.1	75.6	75.8	75.8	76.2	76.2	76.6	76.9
>= 4500	7.3	61.4	68.0	71.7	74.2	74.4	75.0	75.4	75.5	76.1	76.2	76.2	76.7	76.7	77.0	77.4
>= 4000	7.4	62.5	69.4	73.2	75.7	75.9	76.5	76.9	77.0	77.6	77.7	77.7	78.2	78.2	78.5	78.9
>= 3500	7.5	63.2	70.1	73.9	76.4	76.6	77.4	77.8	77.9	78.4	78.6	78.6	79.0	79.0	79.4	79.8
>= 3000	7.7	64.9	71.9	75.7	78.3	78.5	79.3	79.8	79.8	80.4	80.5	80.5	81.0	81.0	81.3	81.7
>= 2500	7.8	66.1	73.6	77.6	80.3	80.5	81.3	81.7	81.8	82.3	82.5	82.5	82.9	82.9	83.3	83.6
>= 2000	7.8	67.3	75.4	79.9	82.9	83.1	84.1	84.5	84.6	85.1	85.3	85.3	85.7	85.7	86.1	86.4
>= 1800	7.8	67.3	75.4	79.9	82.9	83.1	84.1	84.5	84.6	85.1	85.3	85.3	85.7	85.7	86.1	86.4
>= 1500	7.9	68.2	76.8	81.3	84.4	84.6	85.6	86.0	86.1	86.6	86.8	86.8	87.2	87.2	87.6	87.9
>= 1200	7.9	68.8	77.6	82.3	85.9	86.2	87.2	87.7	87.8	88.3	88.5	88.5	88.9	88.9	89.3	89.6
>= 1000	7.9	69.5	78.9	83.9	87.7	87.9	89.1	89.5	89.6	90.1	90.3	90.3	90.8	90.8	91.1	91.5
>= 900	7.9	69.5	79.2	84.3	88.3	88.6	89.8	90.2	90.3	90.8	91.0	91.0	91.5	91.5	91.8	92.2
>= 800	7.9	69.7	79.7	84.9	89.0	89.3	90.8	91.2	91.3	91.8	92.0	92.0	92.4	92.4	92.8	93.1
>= 700	7.9	70.0	80.1	85.8	90.0	90.2	91.8	92.3	92.3	93.0	93.1	93.1	93.6	93.6	93.9	94.3
>= 600	7.9	70.0	80.1	85.9	90.1	90.5	92.2	92.6	92.7	93.3	93.5	93.5	94.0	94.0	94.4	94.7
>= 500	7.9	70.1	80.2	86.3	90.6	90.9	92.7	93.2	93.3	93.9	94.1	94.1	94.6	94.6	95.0	95.3
>= 400	7.9	70.1	80.4	86.4	90.8	91.4	93.3	94.4	94.5	95.3	95.5	95.5	96.1	96.1	96.5	96.8
>= 300	7.9	70.3	80.6	86.8	91.5	92.1	94.4	95.4	95.6	96.4	96.6	96.6	97.2	97.2	97.5	97.9
>= 200	7.9	70.3	80.6	86.9	91.5	92.2	94.5	95.6	95.8	96.8	97.0	97.0	97.6	97.7	98.1	98.6
>= 100	7.9	70.3	80.6	86.9	91.5	92.2	94.5	95.7	95.9	97.1	97.4	97.4	98.1	98.2	98.5	99.0
>= 0	7.9	70.3	80.6	86.9	91.5	92.2	94.5	95.7	95.9	97.1	97.4	97.4	98.2	98.2	98.6	100.0

TOTAL NO. OF OBS : 1136

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : OCT
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.0	44.8	50.7	54.4	57.3	58.0	58.8	60.1	60.1	61.2	61.3	61.3	61.8	61.9	62.4	62.8
>=20000	6.0	45.7	51.7	55.5	58.4	59.0	60.0	61.2	61.2	62.4	62.5	62.5	63.2	63.3	63.8	64.2
>=18000	6.0	45.7	51.7	55.5	58.4	59.0	60.0	61.2	61.2	62.4	62.5	62.5	63.2	63.3	63.8	64.2
>=16000	6.0	45.7	51.7	55.5	58.4	59.0	60.0	61.2	61.2	62.4	62.5	62.5	63.2	63.3	63.8	64.2
>=14000	6.1	45.9	51.9	55.8	58.7	59.3	60.3	61.5	61.5	62.7	62.7	62.7	63.5	63.5	64.1	64.5
>=12000	6.2	46.5	52.6	56.4	59.4	60.0	61.2	62.4	62.4	63.5	63.6	63.6	64.3	64.4	65.0	65.4
>=10000	6.5	48.5	54.8	58.6	61.6	62.2	63.4	64.6	64.6	65.8	65.8	65.8	66.5	66.6	67.2	67.6
>= 9000	6.6	48.9	55.2	59.0	62.0	62.7	63.9	65.1	65.1	66.3	66.4	66.4	67.1	67.2	67.7	68.1
>= 8000	6.8	51.8	58.4	62.7	65.8	66.5	67.7	68.9	68.9	70.1	70.2	70.2	70.9	71.0	71.6	72.0
>= 7000	7.3	53.1	59.8	64.1	67.2	67.9	69.1	70.4	70.4	71.5	71.6	71.6	72.3	72.4	73.0	73.5
>= 6000	7.4	54.0	60.9	65.2	68.3	69.0	70.3	71.5	71.5	72.7	72.7	72.7	73.5	73.5	74.2	74.6
>= 5000	7.4	54.8	61.9	66.2	69.3	70.0	71.2	72.5	72.5	73.6	73.7	73.7	74.4	74.5	75.1	75.6
>= 4500	7.5	54.9	62.0	66.5	69.6	70.4	71.6	72.8	72.8	74.0	74.1	74.1	74.8	74.9	75.5	75.9
>= 4000	7.5	55.8	63.2	67.6	70.8	71.5	72.7	74.1	74.1	75.2	75.3	75.3	76.0	76.1	76.7	77.2
>= 3500	7.5	56.7	64.2	68.7	71.9	72.6	73.8	75.2	75.2	76.4	76.5	76.5	77.2	77.3	77.9	78.3
>= 3000	7.6	57.8	65.8	70.6	73.9	74.6	75.8	77.3	77.3	78.5	78.6	78.6	79.3	79.4	80.0	80.4
>= 2500	7.6	59.0	67.7	72.7	76.1	76.8	78.1	79.6	79.6	80.7	80.8	80.8	81.5	81.6	82.2	82.7
>= 2000	7.8	61.2	70.2	75.4	78.9	79.6	80.9	82.4	82.4	83.5	83.6	83.6	84.3	84.4	85.0	85.5
>= 1800	7.9	61.4	70.5	75.8	79.3	80.0	81.2	82.7	82.7	83.9	84.0	84.0	84.7	84.8	85.4	85.8
>= 1500	7.9	62.4	71.7	77.1	81.0	81.7	82.9	84.4	84.4	85.6	85.7	85.7	86.4	86.5	87.1	87.5
>= 1200	8.0	63.1	72.6	78.2	82.3	83.0	84.2	85.8	85.8	86.9	87.0	87.0	87.7	87.8	88.4	88.8
>= 1000	8.0	63.3	73.2	79.1	83.5	84.2	85.4	86.9	86.9	88.1	88.1	88.1	88.8	88.9	89.6	90.0
>= 900	8.0	63.3	73.2	79.4	83.8	84.6	85.8	87.3	87.3	88.5	88.6	88.6	89.3	89.4	90.0	90.4
>= 800	8.0	63.4	73.5	79.9	84.7	85.5	86.9	88.4	88.4	89.6	89.6	89.6	90.4	90.4	91.1	91.5
>= 700	8.0	63.5	73.7	80.5	85.3	86.3	87.9	89.4	89.4	90.5	90.7	90.7	91.4	91.5	92.1	92.6
>= 600	8.0	63.7	74.1	80.9	85.9	86.9	88.5	90.1	90.1	91.2	91.4	91.4	92.2	92.3	92.9	93.4
>= 500	8.0	63.9	74.5	81.5	87.1	88.1	90.0	91.7	91.7	92.9	93.1	93.1	93.9	94.0	94.6	95.0
>= 400	8.0	64.0	74.6	81.6	87.5	88.7	90.6	92.5	92.5	93.8	94.0	94.0	94.8	94.9	95.5	95.9
>= 300	8.0	64.0	74.6	81.7	87.8	88.9	91.2	93.0	93.0	94.4	94.7	94.7	95.5	95.7	96.3	96.7
>= 200	8.0	64.0	74.7	81.8	87.9	89.0	91.3	93.2	93.2	94.6	95.0	95.0	96.1	96.3	96.9	97.3
>= 100	8.0	64.0	74.7	81.8	87.9	89.0	91.4	93.4	93.4	94.8	95.2	95.2	96.7	96.9	97.7	98.2
>= 0	8.0	64.0	74.7	81.8	87.9	89.0	91.4	93.4	93.4	95.0	95.4	95.4	96.9	97.3	98.2	100.0

TOTAL NO. OF OBS : 1130

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : OCT
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	4.2	31.3	37.3	41.4	45.5	46.3	47.9	49.5	49.6	50.8	51.4	51.5	52.5	52.5	52.7	53.3
>=20000	4.2	32.3	38.7	43.3	47.5	48.3	50.0	51.6	51.6	53.0	53.5	53.6	54.7	54.7	55.0	55.8
>=18000	4.2	32.4	38.8	43.4	47.5	48.4	50.1	51.6	51.7	53.0	53.6	53.7	54.8	54.8	55.1	55.8
>=16000	4.2	32.5	38.9	43.6	47.7	48.5	50.2	51.8	51.9	53.3	53.9	53.9	55.0	55.0	55.3	56.1
>=14000	4.3	32.7	39.2	43.9	48.1	48.9	50.7	52.2	52.3	53.7	54.3	54.4	55.4	55.4	55.8	56.5
>=12000	4.3	34.0	40.5	45.2	49.6	50.4	52.1	53.7	53.8	55.2	55.8	55.8	57.1	57.1	57.4	58.1
>=10000	4.3	36.1	43.0	48.4	52.8	53.6	55.4	57.2	57.2	58.7	59.3	59.4	60.6	60.6	61.0	61.8
>= 9000	4.3	36.3	43.3	48.7	53.1	53.9	55.8	57.6	57.6	59.1	59.7	59.8	61.0	61.0	61.4	62.3
>= 8000	4.4	39.4	47.1	53.0	57.9	58.8	60.9	62.7	62.7	64.2	64.9	65.0	66.4	66.4	66.9	67.7
>= 7000	4.5	40.2	48.1	54.1	59.0	60.0	62.0	63.8	63.9	65.4	66.0	66.1	67.5	67.5	68.0	68.8
>= 6000	4.5	40.5	48.5	54.5	59.5	60.4	62.5	64.3	64.4	65.9	66.5	66.6	68.0	68.0	68.5	69.3
>= 5000	4.8	41.8	49.8	56.0	61.1	62.1	64.1	66.0	66.0	67.5	68.2	68.3	69.7	69.7	70.1	71.0
>= 4500	4.8	42.0	50.2	56.3	61.7	62.7	64.7	66.5	66.6	68.1	68.8	68.8	70.2	70.2	70.7	71.5
>= 4000	4.8	43.1	51.2	57.4	62.9	64.0	66.0	67.8	67.9	69.5	70.2	70.3	71.7	71.7	72.2	73.0
>= 3500	4.9	44.5	52.7	59.0	64.6	65.7	67.8	69.6	69.7	71.2	72.0	72.0	73.4	73.4	73.9	74.8
>= 3000	5.1	45.8	54.4	61.0	66.7	67.8	69.9	71.7	71.8	73.4	74.1	74.2	75.6	75.6	76.1	76.9
>= 2500	5.2	47.6	56.6	63.3	69.1	70.2	72.3	74.1	74.2	75.7	76.5	76.6	78.0	78.0	78.5	79.3
>= 2000	5.3	48.9	58.2	65.2	71.1	72.4	74.4	76.3	76.4	78.0	78.8	78.9	80.3	80.3	80.8	81.6
>= 1800	5.3	49.3	58.7	65.8	71.7	72.9	75.0	76.9	77.0	78.6	79.4	79.4	80.8	80.8	81.3	82.2
>= 1500	5.4	50.7	60.5	67.8	73.8	75.2	77.2	79.1	79.2	80.8	81.7	81.7	83.1	83.1	83.6	84.5
>= 1200	5.4	51.2	61.4	68.9	75.1	76.6	78.7	80.7	80.8	82.4	83.2	83.3	84.7	84.7	85.2	86.1
>= 1000	5.5	52.0	62.7	70.5	76.9	78.7	81.0	83.0	83.1	84.8	85.6	85.7	87.1	87.1	87.6	88.5
>= 900	5.5	52.1	63.0	71.1	77.7	79.5	81.8	83.8	83.9	85.7	86.5	86.6	88.0	88.0	88.5	89.4
>= 800	5.6	52.4	63.4	71.9	78.6	80.6	83.2	85.4	85.4	87.3	88.1	88.2	89.6	89.6	90.0	91.0
>= 700	5.6	52.6	63.7	72.3	79.4	81.3	84.1	86.3	86.4	88.4	89.2	89.3	90.7	90.7	91.2	92.1
>= 600	5.6	52.7	63.9	72.6	79.8	81.8	84.8	87.0	87.1	89.1	90.0	90.1	91.5	91.5	92.0	92.9
>= 500	5.6	52.9	64.3	73.3	80.6	82.7	85.8	88 2	88.3	90.3	91.3	91.4	92.9	92.9	93.5	94.5
>= 400	5.6	53.0	64.4	73.5	81.0	83.4	86.8	89.4	89.5	91.5	92.7	92.8	94.6	94.6	95.2	96.2
>= 300	5.6	53.0	64.5	73.6	81.1	83.6	87.3	89.9	90.0	92.3	93.6	93.8	95.5	95.5	96.2	97.2
>= 200	5.6	53.0	64.5	73.6	81.2	83.6	87.4	90.1	90.2	92.8	94.2	94.3	96.1	96.1	96.9	98.0
>= 100	5.6	53.0	64.5	73.6	81.2	83.6	87.4	90.2	90.3	92.8	94.2	94.4	96.3	96.3	97.1	98.4
>= 0	5.6	53.0	64.5	73.6	81.2	83.6	87.4	90.2	90.3	92.8	94.2	94.4	96.3	96.3	97.2	100.0

TOTAL NO. OF OBS : 1216

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : OCT
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.8	47.9	51.0	52.8	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
>=20000	8.0	51.0	54.6	56.7	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
>=18000	8.0	51.2	54.8	56.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
>=16000	8.1	51.2	54.9	56.9	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
>=14000	8.2	51.8	55.4	57.5	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
>=12000	8.3	52.9	56.5	58.6	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
>=10000	8.3	56.1	59.9	62.1	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
>= 9000	8.4	56.6	60.4	62.6	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
>= 8000	8.5	59.5	63.9	66.4	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
>= 7000	8.6	60.4	64.9	67.5	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
>= 6000	8.7	61.3	66.0	68.6	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
>= 5000	9.0	62.1	67.4	70.0	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
>= 4500	9.1	62.5	67.9	70.6	72.4	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
>= 4000	9.2	63.3	68.9	71.6	73.4	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
>= 3500	9.4	64.0	69.7	72.5	74.3	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
>= 3000	9.7	66.7	72.7	75.7	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
>= 2500	9.7	68.7	74.8	78.0	80.0	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
>= 2000	9.7	70.2	76.2	79.9	82.2	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
>= 1800	10.1	70.9	77.0	80.7	83.0	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
>= 1500	10.2	72.4	79.3	83.6	86.1	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
>= 1200	10.4	73.8	81.2	86.0	88.9	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
>= 1000	10.4	74.3	82.2	87.5	91.0	91.3	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
>= 900	10.5	74.6	82.6	88.0	91.8	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
>= 800	10.5	75.0	83.3	88.9	92.9	93.6	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
>= 700	10.5	75.2	83.8	89.6	93.8	94.8	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
>= 600	10.5	75.2	84.0	89.8	94.2	95.2	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
>= 500	10.5	75.3	84.1	90.2	94.8	95.8	96.7	97.0	97.1	97.5	97.6	97.6	97.7	97.7	97.7	97.7
>= 400	10.5	75.3	84.2	90.4	95.1	96.1	97.1	97.4	97.5	98.4	98.6	98.6	98.7	98.7	98.7	98.7
>= 300	10.5	75.3	84.2	90.5	95.4	96.5	97.5	97.9	98.0	99.1	99.3	99.3	99.4	99.4	99.4	99.4
>= 200	10.5	75.3	84.2	90.5	95.4	96.5	97.6	98.1	98.2	99.3	99.4	99.5	99.6	99.6	99.6	99.7
>= 100	10.5	75.3	84.2	90.5	95.4	96.5	97.6	98.1	98.2	99.3	99.5	99.6	99.7	99.8	99.9	100.0
>= 0	10.5	75.3	84.2	90.5	95.4	96.5	97.6	98.1	98.2	99.3	99.5	99.6	99.7	99.8	99.9	100.0

TOTAL NO. OF OBS : 1212

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : OCT
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	10.1	48.0	49.9	50.8	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
>=20000	10.4	52.9	55.2	56.2	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1
>=13000	10.4	53.3	55.6	56.6	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5
>=16000	10.4	53.6	55.9	56.8	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
>=14000	10.4	54.0	56.5	57.4	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3
>=12000	10.8	55.4	58.1	59.0	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0
>=10000	11.1	58.2	61.3	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4
>= 9000	11.1	58.2	61.3	62.5	63.5	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6
>= 8000	11.5	61.5	64.8	65.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0
>= 7000	11.7	62.0	65.3	66.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6
>= 6000	11.9	62.7	65.9	67.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3
>= 5000	11.9	63.9	67.4	68.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7
>= 4500	11.9	64.3	67.7	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
>= 4000	12.0	65.1	68.8	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
>= 3500	12.4	66.4	70.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8
>= 3000	13.0	70.7	75.0	76.5	77.7	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0
>= 2500	13.1	73.9	78.5	80.1	81.3	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
>= 2000	13.3	75.7	80.8	82.9	84.3	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
>= 1800	13.3	76.1	81.3	83.4	84.8	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2
>= 1500	13.5	78.2	84.1	86.8	88.3	88.7	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9
>= 1200	13.6	80.3	86.4	89.3	91.0	91.5	91.6	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9
>= 1000	13.6	80.8	87.4	90.2	92.2	92.7	93.1	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.4	93.4
>= 900	13.6	81.1	87.7	90.7	92.9	93.4	93.8	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1
>= 800	13.7	81.5	88.3	91.5	93.9	94.6	95.2	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.7	95.7
>= 700	13.8	81.7	88.5	91.9	94.6	95.3	96.2	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.9	96.9
>= 600	13.8	81.8	88.7	92.1	95.1	96.0	97.1	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.9	97.9
>= 500	13.8	81.8	88.8	92.3	95.5	96.4	97.6	98.2	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7
>= 400	13.8	81.8	88.8	92.3	95.5	96.4	97.7	98.5	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2
>= 300	13.8	81.8	88.8	92.3	95.5	96.6	97.8	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.8	99.8
>= 200	13.8	81.8	88.8	92.3	95.5	96.6	97.8	98.9	98.9	99.6	99.8	99.9	99.9	99.9	100.0	100.0
>= 100	13.8	81.8	88.8	92.3	95.5	96.6	97.8	98.9	98.9	99.6	99.8	99.9	99.9	99.9	100.0	100.0
>= 0	13.8	81.8	88.8	92.3	95.5	96.6	97.8	98.9	98.9	99.6	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NO. OF OBS : 1195

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : OCT
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	10.9	50.3	52.6	53.7	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
>=20000	11.1	54.7	57.3	58.5	59.2	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
>=18000	11.1	54.8	57.5	58.7	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
>=16000	11.1	55.2	57.9	59.1	59.8	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
>=14000	11.2	55.7	58.4	59.6	60.3	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
>=12000	11.3	57.1	59.9	61.1	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
>=10000	11.5	60.5	63.5	64.7	65.4	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
>= 9000	11.6	60.8	64.0	65.3	66.0	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
>= 8000	11.9	63.7	67.2	68.7	69.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
>= 7000	12.1	64.6	68.4	70.0	70.7	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
>= 6000	12.1	65.2	69.1	70.6	71.4	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
>= 5000	12.3	66.6	70.6	72.3	73.0	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
>= 4500	12.3	67.2	71.3	73.0	73.7	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
>= 4000	12.5	68.5	72.7	74.3	75.1	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
>= 3500	12.5	69.5	73.7	75.4	76.2	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
>= 3000	12.8	72.9	77.4	79.2	80.1	80.3	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.7	80.7
>= 2500	13.0	74.4	79.2	81.3	82.4	82.7	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1
>= 2000	13.1	76.3	81.3	83.5	84.7	85.1	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.5
>= 1800	13.1	76.8	81.9	84.1	85.3	85.7	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.1
>= 1500	13.3	78.5	83.9	86.3	87.8	88.2	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.9	88.9
>= 1200	13.4	79.3	84.7	87.9	89.6	90.1	90.5	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.9	90.9
>= 1000	13.4	79.7	85.4	89.2	91.4	91.9	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8
>= 900	13.4	79.9	85.7	89.7	92.1	92.7	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9
>= 800	13.4	79.9	86.1	90.3	92.9	93.7	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
>= 700	13.4	80.0	86.2	90.4	93.1	93.9	95.1	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.8	95.8
>= 600	13.4	80.0	86.3	90.8	93.9	94.6	95.9	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.9	96.9
>= 500	13.5	80.2	86.5	91.1	94.3	95.3	96.8	97.4	97.4	98.0	98.0	98.0	98.1	98.1	98.2	98.2
>= 400	13.5	80.2	86.5	91.2	94.5	95.6	97.1	97.9	97.9	98.5	98.8	98.8	98.9	98.9	99.0	99.0
>= 300	13.5	80.2	86.5	91.2	94.5	95.6	97.3	98.0	98.0	99.0	99.3	99.3	99.4	99.4	99.5	99.5
>= 200	13.5	80.2	86.5	91.2	94.5	95.6	97.3	98.1	98.1	99.1	99.4	99.4	99.5	99.5	99.7	99.7
>= 100	13.5	80.2	86.5	91.2	94.5	95.6	97.3	98.1	98.1	99.1	99.4	99.4	99.7	99.7	99.9	99.9
>= 0	13.5	80.2	86.5	91.2	94.5	95.6	97.3	98.1	98.1	99.1	99.4	99.4	99.7	99.7	99.9	100.0

TOTAL NO. OF OBS : 1172

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : OCT
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.5	51.4	55.5	57.4	58.2	58.4	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
>=20000	7.6	53.9	58.2	60.5	61.4	61.6	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.5
>=18000	7.6	54.0	58.3	60.6	61.5	61.7	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.6
>=16000	7.7	54.1	58.5	60.7	61.7	61.9	62.3	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.8
>=14000	7.9	54.6	59.1	61.4	62.3	62.5	63.0	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.4
>=12000	7.9	55.4	60.0	62.3	63.3	63.5	63.9	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.4
>=10000	8.1	58.6	63.6	65.9	67.0	67.2	67.7	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.1
>= 9000	8.2	58.7	63.8	66.1	67.1	67.4	67.9	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.3
>= 8000	8.5	61.4	66.8	69.3	70.4	70.7	71.1	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.6
>= 7000	8.6	62.6	68.0	70.5	71.8	72.0	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9
>= 6000	8.7	63.0	68.5	71.0	72.2	72.5	72.9	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.4
>= 5000	9.0	63.8	69.5	72.0	73.3	73.6	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5
>= 4500	9.1	64.3	70.0	72.6	73.8	74.1	74.6	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.1
>= 4000	9.2	66.0	72.0	74.8	76.1	76.4	76.9	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.4
>= 3500	9.2	66.6	72.8	75.6	76.9	77.2	77.7	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.2
>= 3000	9.4	69.5	76.3	79.6	81.1	81.5	82.0	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.5
>= 2500	9.5	71.0	77.9	81.4	83.0	83.3	83.9	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.3
>= 2000	9.6	72.7	80.0	83.6	85.3	85.7	86.2	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.7
>= 1800	9.6	73.1	80.5	84.1	85.9	86.3	86.8	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.4
>= 1500	9.8	74.5	82.5	86.4	88.9	89.2	89.8	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.4
>= 1200	9.8	75.1	83.0	87.4	90.0	90.5	91.1	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.6
>= 1000	9.8	75.3	83.4	88.1	90.8	91.4	92.1	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.7
>= 900	9.8	75.5	83.7	88.5	91.5	92.1	92.8	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.4
>= 800	9.8	75.8	84.4	89.3	92.7	93.3	94.1	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
>= 700	9.8	75.8	84.4	89.5	93.2	93.9	94.7	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.5
>= 600	9.8	75.8	84.5	89.7	93.8	94.5	95.4	95.7	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.3
>= 500	9.8	75.9	84.7	90.0	94.5	95.3	96.3	96.9	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.5
>= 400	9.8	75.9	84.7	90.2	94.7	95.6	97.0	97.6	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.3
>= 300	9.8	76.0	84.8	90.4	94.9	95.8	97.4	98.0	98.0	98.9	98.9	98.9	98.9	98.9	98.9	99.0
>= 200	9.8	76.0	84.9	90.5	95.0	95.9	97.5	98.1	98.1	99.1	99.1	99.1	99.2	99.2	99.3	99.4
>= 100	9.8	76.0	84.9	90.5	95.0	95.9	97.5	98.2	98.3	99.4	99.4	99.4	99.5	99.6	99.7	99.8
>= 0	9.8	76.0	84.9	90.5	95.0	95.9	97.5	98.2	98.3	99.4	99.4	99.4	99.5	99.6	99.7	100.0

TOTAL NO. OF OBS : 1123

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : OCT
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.6	53.7	58.0	60.9	62.6	62.6	63.1	63.3	63.3	63.4	63.4	63.4	63.5	63.5	63.6	63.8
>=20000	7.6	55.6	60.0	62.9	64.7	64.7	65.2	65.4	65.4	65.6	65.6	65.6	65.7	65.7	65.8	66.0
>=18000	7.6	55.6	60.0	62.9	64.7	64.7	65.2	65.4	65.4	65.6	65.6	65.6	65.7	65.7	65.8	66.0
>=16000	7.6	55.8	60.1	63.1	64.9	64.9	65.4	65.6	65.6	65.7	65.7	65.7	65.8	65.8	66.0	66.2
>=14000	7.7	56.1	60.5	63.5	65.3	65.3	65.8	66.0	66.0	66.2	66.2	66.2	66.3	66.3	66.5	66.6
>=12000	7.7	57.3	61.7	64.7	66.5	66.5	67.0	67.2	67.2	67.3	67.3	67.3	67.4	67.4	67.6	67.8
>=10000	8.0	59.5	64.2	67.4	69.2	69.2	69.8	69.9	69.9	70.1	70.1	70.1	70.2	70.2	70.4	70.6
>= 9000	8.0	59.7	64.4	67.6	69.4	69.4	69.9	70.1	70.1	70.3	70.3	70.3	70.4	70.4	70.6	70.7
>= 8000	8.5	62.8	67.8	71.3	73.2	73.2	73.8	73.9	73.9	74.2	74.2	74.2	74.3	74.3	74.5	74.6
>= 7000	8.5	63.8	68.8	72.3	74.4	74.4	74.9	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.6	75.8
>= 6000	8.5	64.1	69.3	73.0	75.0	75.0	75.5	75.7	75.7	76.0	76.0	76.0	76.1	76.1	76.2	76.4
>= 5000	8.5	64.9	70.1	73.8	75.9	75.9	76.4	76.6	76.6	76.9	76.9	76.9	77.0	77.0	77.1	77.3
>= 4500	8.5	65.2	70.5	74.3	76.3	76.3	76.9	77.0	77.0	77.3	77.3	77.3	77.4	77.4	77.6	77.8
>= 4000	8.5	67.2	73.0	76.9	78.9	78.9	79.4	79.7	79.7	80.0	80.0	80.0	80.1	80.1	80.2	80.4
>= 3500	8.5	67.4	73.5	77.5	79.5	79.5	80.1	80.3	80.3	80.6	80.6	80.6	80.7	80.7	80.9	81.0
>= 3000	8.7	69.3	75.7	80.0	82.5	82.5	83.0	83.3	83.3	83.5	83.5	83.5	83.6	83.6	83.8	84.0
>= 2500	8.7	70.7	77.5	81.9	84.5	84.5	85.1	85.3	85.3	85.6	85.6	85.6	85.7	85.7	85.9	86.0
>= 2000	8.7	72.1	78.9	83.7	86.6	86.6	87.1	87.4	87.4	87.6	87.6	87.6	87.7	87.7	87.9	88.1
>= 1800	8.7	72.2	79.4	84.2	87.0	87.0	87.5	87.8	87.8	88.1	88.1	88.1	88.2	88.2	88.3	88.5
>= 1500	8.7	72.8	80.1	85.1	88.1	88.1	88.6	88.9	88.9	89.1	89.1	89.1	89.2	89.2	89.4	89.6
>= 1200	8.7	73.6	81.4	86.5	89.7	89.8	90.3	90.6	90.6	90.8	90.8	90.8	90.9	90.9	91.1	91.3
>= 1000	8.7	74.3	82.4	87.7	90.9	91.0	91.5	91.8	91.8	92.1	92.1	92.1	92.2	92.2	92.3	92.5
>= 900	8.7	74.4	82.7	88.3	91.6	91.8	92.3	92.6	92.6	92.9	92.9	92.9	93.0	93.0	93.1	93.3
>= 800	8.7	74.6	82.8	88.7	92.1	92.4	93.0	93.2	93.2	93.5	93.5	93.5	93.6	93.6	93.8	94.0
>= 700	8.7	74.8	83.2	89.2	92.6	93.0	93.6	93.9	93.9	94.2	94.2	94.2	94.3	94.3	94.5	94.7
>= 600	8.7	75.0	83.5	89.6	93.1	93.4	94.1	94.4	94.4	94.8	94.8	94.8	94.8	94.8	95.0	95.2
>= 500	8.7	75.2	83.7	90.0	94.0	94.4	95.1	95.6	95.6	96.0	96.0	96.0	96.2	96.2	96.4	96.5
>= 400	8.7	75.4	84.0	90.3	94.8	95.5	96.4	96.9	96.9	97.3	97.3	97.3	97.5	97.5	97.7	97.9
>= 300	8.7	75.4	84.2	90.6	95.1	95.8	96.8	97.3	97.3	98.0	98.0	98.0	98.1	98.1	98.3	98.5
>= 200	8.7	75.4	84.3	90.7	95.4	96.1	97.1	97.7	97.7	98.4	98.4	98.4	98.7	98.7	98.8	99.0
>= 100	8.7	75.4	84.3	90.7	95.4	96.1	97.1	97.7	97.7	98.7	98.7	98.7	98.9	98.9	99.1	99.4
>= 0	8.7	75.4	84.3	90.7	95.4	96.1	97.1	97.7	97.7	98.7	98.8	98.8	99.1	99.2	99.5	100.0

TOTAL NO. OF OBS : 1124

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : OCT
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.5	47.1	51.1	53.5	55.3	55.5	56.0	56.5	56.5	56.9	57.0	57.0	57.3	57.3	57.4	57.6
>=20000	7.6	49.5	53.9	56.5	58.3	58.6	59.1	59.6	59.6	60.0	60.1	60.2	60.4	60.5	60.6	60.9
>=18000	7.6	49.7	54.0	56.6	58.4	58.7	59.2	59.7	59.7	60.1	60.3	60.3	60.6	60.6	60.7	61.0
>=16000	7.6	49.8	54.1	56.8	58.6	58.9	59.4	59.9	59.9	60.3	60.4	60.5	60.7	60.8	60.9	61.2
>=14000	7.7	50.2	54.6	57.2	59.1	59.3	59.9	60.3	60.4	60.8	60.9	60.9	61.2	61.2	61.4	61.6
>=12000	7.8	51.3	55.7	58.4	60.3	60.5	61.1	61.6	61.6	62.0	62.1	62.2	62.5	62.5	62.6	62.9
>=10000	8.0	53.9	58.6	61.4	63.4	63.7	64.3	64.8	64.8	65.2	65.3	65.3	65.7	65.7	65.8	66.1
>= 9000	8.1	54.1	59.0	61.8	63.8	64.1	64.6	65.1	65.2	65.6	65.7	65.7	66.0	66.1	66.2	66.5
>= 8000	8.3	57.2	62.5	65.6	67.7	68.0	68.6	69.1	69.1	69.6	69.7	69.7	70.1	70.1	70.3	70.5
>= 7000	8.5	58.2	63.5	66.7	68.8	69.1	69.8	70.3	70.3	70.7	70.9	70.9	71.2	71.2	71.4	71.7
>= 6000	8.6	58.7	64.2	67.4	69.5	69.8	70.5	71.0	71.0	71.4	71.6	71.6	71.9	71.9	72.1	72.4
>= 5000	8.8	59.8	65.4	68.7	70.9	71.2	71.8	72.3	72.4	72.8	72.9	72.9	73.3	73.3	73.5	73.7
>= 4500	8.8	60.1	65.8	69.1	71.4	71.7	72.3	72.9	72.9	73.3	73.4	73.5	73.8	73.8	74.0	74.2
>= 4000	8.9	61.3	67.3	70.6	72.9	73.2	73.9	74.4	74.4	74.9	75.0	75.0	75.4	75.4	75.6	75.8
>= 3500	9.0	62.2	68.3	71.7	74.0	74.3	75.0	75.5	75.5	76.0	76.1	76.1	76.5	76.5	76.7	76.9
>= 3000	9.3	64.6	71.1	74.7	77.2	77.5	78.2	78.7	78.8	79.2	79.4	79.4	79.7	79.7	79.9	80.2
>= 2500	9.3	66.4	73.1	77.0	79.5	79.9	80.6	81.1	81.2	81.6	81.8	81.8	82.1	82.1	82.3	82.6
>= 2000	9.4	68.0	75.1	79.2	81.9	82.4	83.1	83.6	83.7	84.1	84.3	84.3	84.6	84.6	84.9	85.1
>= 1800	9.5	68.3	75.5	79.7	82.4	82.9	83.6	84.1	84.2	84.6	84.8	84.8	85.1	85.1	85.3	85.6
>= 1500	9.6	69.7	77.3	81.7	84.7	85.2	86.0	86.5	86.6	87.1	87.2	87.2	87.5	87.6	87.8	88.0
>= 1200	9.7	70.6	78.5	83.3	86.5	87.1	87.9	88.5	88.5	89.0	89.1	89.1	89.5	89.5	89.7	89.9
>= 1000	9.7	71.1	79.4	84.5	88.0	88.6	89.5	90.1	90.1	90.7	90.8	90.8	91.2	91.2	91.4	91.6
>= 900	9.7	71.3	79.7	85.0	88.7	89.3	90.3	90.9	90.9	91.4	91.6	91.6	91.9	92.0	92.2	92.4
>= 800	9.7	71.5	80.1	85.6	89.6	90.4	91.5	92.1	92.2	92.7	92.8	92.9	93.2	93.2	93.4	93.7
>= 700	9.7	71.7	80.4	86.1	90.2	91.1	92.4	93.1	93.1	93.7	93.9	93.9	94.2	94.2	94.4	94.7
>= 600	9.7	71.7	80.6	86.4	90.7	91.6	93.0	93.7	93.7	94.4	94.6	94.6	95.0	95.0	95.2	95.4
>= 500	9.7	71.9	80.8	86.8	91.4	92.4	93.9	94.8	94.8	95.6	95.8	95.8	96.2	96.2	96.4	96.7
>= 400	9.7	71.9	80.9	87.0	91.7	92.8	94.5	95.6	95.6	96.5	96.8	96.8	97.2	97.3	97.5	97.8
>= 300	9.7	71.9	81.0	87.1	91.9	93.1	94.9	96.0	96.1	97.2	97.5	97.5	98.0	98.0	98.3	98.5
>= 200	9.7	71.9	81.0	87.1	92.0	93.2	95.0	96.2	96.3	97.4	97.8	97.8	98.3	98.4	98.7	99.0
>= 100	9.7	71.9	81.0	87.1	92.0	93.2	95.1	96.3	96.3	97.6	97.9	98.0	98.6	98.7	99.0	99.4
>= 0	9.7	71.9	81.0	87.1	92.0	93.2	95.1	96.3	96.3	97.6	98.0	98.0	98.6	98.8	99.1	100.0

TOTAL NO. OF OBS : 9308

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : NOV
CLASS : ALL WEATHER HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.0	3.2	3.2	1.9	.4	.3	.0	.0	.0	.0	.0	9.9	8.4
NNE	.2	1.6	1.7	1.1	.3	.2	.0	.0	.0	.0	.0	5.0	9.3
NE	.3	.9	1.5	.5	.1	.0	.0	.0	.0	.0	.0	3.3	8.1
ENE	.5	1.0	.6	.1	.1	.0	.0	.0	.0	.0	.0	2.3	6.2
E	.4	.9	.8	.4	.0	.0	.0	.0	.0	.0	.0	2.4	7.0
ESE	.5	.2	.5	.3	.0	.0	.0	.0	.0	.0	.0	1.4	6.5
SE	.4	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	1.4	6.4
SSE	.4	.8	.8	.2	.0	.0	.0	.0	.0	.0	.0	2.2	6.5
S	1.5	2.9	1.5	.2	.1	.0	.1	.0	.0	.0	.0	6.3	5.9
SSW	1.3	2.2	3.2	.8	.1	.0	.0	.0	.0	.0	.0	7.5	6.8
SW	3.1	3.7	2.7	.5	.3	.0	.0	.0	.0	.0	.0	10.3	5.7
WSW	3.2	3.2	1.2	.3	.1	.0	.0	.0	.0	.0	.0	7.8	4.6
W	1.1	2.8	1.4	.6	.1	.0	.0	.0	.0	.0	.0	6.0	6.3
WNW	.8	.7	1.4	.5	.3	.0	.0	.0	.0	.0	.0	3.6	7.9
NW	.6	.6	1.2	1.8	.4	.2	.0	.0	.0	.0	.0	4.8	10.5
NNW	.7	1.3	1.9	1.4	.2	.1	.0	.0	.0	.0	.0	5.5	8.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.3	.0
ALL	15.7	26.4	23.8	10.7	2.3	.7	.1	.0	.0	.0	.0	100.0	5.7

TOTAL NO. OF OBS : 1109

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA
PERIOD OF RECORD : 1945-1987
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : NOV
HOUR : 0400 LST

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.7	3.1	4.0	2.3	.4	.1	.0	.0	.0	.0	.0	10.5	8.5
NNE	.4	1.3	1.5	1.4	.4	.1	.0	.0	.0	.0	.0	5.0	9.3
NE	.5	.7	1.0	.4	.0	.0	.0	.0	.0	.0	.0	2.5	7.0
ENE	.2	.6	.9	.4	.0	.0	.0	.0	.0	.0	.0	2.1	7.7
E	.4	.9	1.1	.6	.0	.0	.0	.0	.0	.0	.0	3.0	7.6
ESE	.1	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.7	6.5
SE	.8	.9	.6	.3	.0	.0	.0	.0	.0	.0	.0	2.6	5.4
SSE	.7	.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	1.8	5.3
S	1.2	2.3	.7	.2	.0	.1	.0	.0	.0	.0	.0	4.4	5.6
SSW	1.1	2.5	1.4	.9	.0	.0	.0	.0	.0	.0	.0	5.9	6.4
SW	4.1	4.2	2.5	.4	.1	.0	.0	.0	.0	.0	.0	11.3	5.0
WSW	3.4	3.0	2.1	.7	.0	.0	.0	.0	.0	.0	.0	9.2	5.2
W	1.6	2.7	2.0	.1	.0	.0	.0	.0	.0	.0	.0	6.4	5.3
WNW	.5	1.1	1.5	.6	.2	.0	.0	.0	.0	.0	.0	3.9	7.9
NW	.7	1.0	1.4	1.0	.2	.1	.0	.0	.0	.0	.0	4.4	8.7
NNW	1.0	1.4	1.4	2.0	.5	.3	.0	.0	.0	.0	.0	6.7	9.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.8	.0
ALL	17.2	26.7	22.6	11.4	1.7	.6	.0	.0	.0	.0	.0	100.0	5.5

TOTAL NO. OF OBS : 1110

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : NOV
CLASS : ALL WEATHER HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.8	3.0	3.0	1.7	.7	.4	.0	.0	.0	.0	.0	9.6	9.2
NNE	.9	1.6	2.0	1.9	.2	.1	.0	.0	.0	.0	.0	6.7	8.9
NE	.3	1.0	1.0	.3	.0	.0	.0	.0	.0	.0	.0	2.6	7.1
ENE	.3	.8	.7	.7	.0	.0	.0	.0	.0	.0	.0	2.5	7.9
E	.2	.9	1.1	.6	.0	.1	.0	.0	.0	.0	.0	2.9	8.3
ESE	.5	.4	.3	.3	.2	.0	.0	.0	.0	.0	.0	1.7	7.2
SE	.5	.8	1.1	.3	.0	.0	.1	.0	.0	.0	.0	2.8	7.0
SSE	.3	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	1.4	6.8
S	1.0	1.9	1.2	.2	.1	.0	.0	.0	.0	.0	.0	4.4	5.7
SSW	.9	1.8	1.4	.3	.0	.1	.0	.0	.0	.0	.0	4.5	6.6
SW	3.7	4.9	2.8	.9	.0	.0	.0	.0	.0	.0	.0	12.4	5.3
WSW	2.8	3.7	1.4	.6	.0	.0	.0	.0	.0	.0	.0	8.5	5.0
W	1.9	2.6	1.9	.7	.0	.0	.0	.0	.0	.0	.0	7.1	5.8
WNW	.4	1.3	.8	.5	.1	.0	.0	.0	.0	.0	.0	3.1	7.2
NW	.5	1.5	1.2	1.0	.3	.2	.0	.0	.0	.0	.0	4.7	8.8
NNW	1.2	1.4	2.4	1.3	.6	.1	.1	.0	.0	.0	.0	6.9	9.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.3	.0
ALL	16.4	28.2	22.5	11.3	2.2	.9	.2	.0	.0	.0	.0	100.0	5.8

TOTAL NO. OF OBS : 1181

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : NOV
CLASS : ALL WEATHER HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.6	1.4	5.9	2.5	1.1	.3	.0	.0	.0	.0	.0	11.9	10.2
NNE	.5	1.4	2.9	2.2	.3	.2	.0	.0	.0	.0	.0	7.5	9.6
NE	.3	1.1	2.0	.4	.1	.0	.0	.0	.0	.0	.0	3.9	8.0
ENE	.3	.4	1.3	.5	.1	.0	.0	.0	.0	.0	.0	2.6	8.4
E	.3	1.3	2.1	1.2	.0	.0	.0	.0	.0	.0	.0	4.9	8.4
ESE	.3	1.4	1.3	1.0	.0	.0	.0	.0	.0	.0	.0	4.0	7.9
SE	.6	.9	.8	.7	.3	.0	.0	.0	.0	.0	.0	3.2	7.9
SSE	.3	.8	.9	.6	.1	.0	.0	.0	.0	.0	.0	2.6	8.3
S	.4	.9	1.6	1.0	.0	.0	.0	.0	.0	.0	.0	4.0	8.3
SSW	1.1	2.0	2.2	.9	.1	.1	.0	.0	.0	.0	.0	6.4	7.4
SW	.8	2.9	2.7	2.0	.3	.1	.0	.0	.0	.0	.0	8.7	8.5
WSW	.9	1.8	3.1	2.0	.0	.0	.0	.0	.0	.0	.0	7.8	8.2
W	1.4	1.5	2.6	2.5	.1	.2	.0	.0	.0	.0	.0	8.3	8.6
WNW	.3	1.1	1.4	1.4	.5	.1	.0	.0	.0	.0	.0	4.7	10.1
NW	.3	.9	1.4	2.0	.7	.1	.1	.0	.0	.0	.0	5.5	11.2
NNW	.8	1.6	3.5	4.0	.4	.2	.0	.0	.0	.0	.0	10.5	10.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0
ALL	9.3	21.4	35.6	25.1	4.0	1.2	.1	.0	.0	.0	.0	100.0	8.7

TOTAL NO. OF OBS : 1180

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : NOV
CLASS : ALL WEATHER HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.8	2.0	3.9	3.2	.7	.2	.0	.0	.0	.0	.0	10.8	9.7
NNE	.3	1.2	2.0	1.4	.3	.2	.0	.0	.0	.0	.0	5.3	9.7
NE	.3	1.4	2.0	.9	.1	.1	.0	.0	.0	.0	.0	4.9	8.1
ENE	.3	1.5	.8	.6	.1	.0	.0	.0	.0	.0	.0	3.4	7.1
E	.8	2.5	2.6	.8	.1	.0	.0	.0	.0	.0	.0	6.8	7.0
ESE	.2	.7	1.4	.3	.1	.0	.0	.0	.0	.0	.0	2.5	7.7
SE	.4	.6	1.4	1.1	.1	.0	.0	.0	.0	.0	.0	3.6	9.3
SSE	.3	.8	1.6	.7	.2	.0	.0	.0	.0	.0	.0	3.6	8.7
S	.5	1.4	1.2	.8	.1	.0	.1	.0	.0	.0	.0	4.1	8.0
SSW	.3	.9	2.2	1.9	.3	.0	.0	.0	.0	.0	.0	5.5	9.5
SW	.1	1.3	2.4	2.6	.5	.2	.0	.0	.0	.0	.0	7.0	10.9
WSW	.4	1.4	3.6	1.9	.6	.1	.0	.0	.0	.0	.0	7.9	9.6
W	.6	1.9	3.4	2.4	.4	.1	.1	.0	.0	.0	.0	8.8	9.6
WNW	.4	.8	1.6	2.1	.3	.2	.0	.0	.0	.0	.0	5.5	10.2
NW	.3	1.6	3.0	2.4	.3	.1	.1	.0	.0	.0	.0	7.7	9.7
NNW	.6	2.2	3.1	4.4	.8	.0	.0	.0	.0	.0	.0	11.1	10.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0
ALL	6.7	22.1	36.1	27.5	4.9	1.0	.3	.0	.0	.0	.0	100.0	9.2

TOTAL NO. OF OBS : 1179

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : NOV
CLASS : ALL WEATHER HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.5	3.7	4.1	1.6	.4	.2	.0	.0	.0	.0	.0	11.4	7.7
NNE	.9	2.0	1.7	1.5	.3	.1	.0	.0	.0	.0	.0	6.4	8.4
NE	.7	1.2	1.4	.5	.3	.0	.0	.0	.0	.0	.0	4.1	7.7
ENE	.5	2.2	1.3	.2	.0	.0	.0	.0	.0	.0	.0	4.2	6.1
E	1.2	3.4	1.8	.9	.1	.0	.0	.0	.0	.0	.0	7.3	6.4
ESE	.9	2.2	1.5	.1	.1	.0	.0	.0	.0	.0	.0	4.7	6.1
SE	.6	2.4	2.0	.4	.0	.0	.0	.0	.0	.0	.0	5.4	6.6
SSE	.6	2.0	1.9	.6	.2	.0	.0	.0	.0	.0	.0	5.3	7.3
S	.5	1.7	2.6	.6	.2	.0	.0	.0	.0	.0	.0	5.6	7.6
SSW	.2	.9	2.2	1.6	.0	.0	.0	.0	.0	.0	.0	4.8	9.3
SW	.5	1.7	2.9	1.4	.3	.0	.0	.0	.0	.0	.0	6.8	8.3
WSW	.3	1.6	2.3	.7	.1	.0	.0	.0	.0	.0	.0	5.1	8.0
W	.7	1.6	2.4	1.6	.2	.0	.0	.0	.0	.0	.0	6.5	8.3
WNW	.4	1.1	2.5	1.1	.1	.1	.0	.0	.0	.0	.0	5.3	8.7
NW	.5	1.8	2.2	1.7	.3	.1	.0	.0	.0	.0	.0	6.6	8.6
NNW	.9	2.6	2.7	1.7	.3	.2	.0	.0	.0	.0	.0	8.4	8.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0
ALL	11.0	32.2	35.5	16.1	2.6	.6	.0	.0	.0	.0	.0	100.0	7.6

TOTAL NO. OF OBS : 1159

NOTES :
= PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : NOV
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.6	2.7	2.1	1.4	.5	.0	.1	.0	.0	.0	.0	8.4	7.7
NNE	.6	.9	1.2	.9	.2	.0	.1	.0	.0	.0	.0	3.9	8.9
NE	.8	1.2	1.4	.3	.1	.0	.0	.0	.0	.0	.0	3.7	6.4
ENE	.5	.7	.7	.3	.0	.0	.0	.0	.0	.0	.0	2.2	6.9
E	1.3	.7	1.5	.2	.1	.0	.0	.0	.0	.0	.0	3.8	6.0
ESE	.7	.5	.9	.2	.0	.2	.0	.0	.0	.0	.0	2.5	7.4
SE	1.5	1.0	.7	.3	.0	.0	.0	.0	.0	.0	.0	3.5	5.1
SSE	2.1	2.9	1.1	.5	.1	.0	.0	.0	.0	.0	.0	6.6	5.3
S	3.9	5.5	2.1	.5	.0	.0	.0	.0	.0	.0	.0	12.0	5.0
SSW	1.5	2.2	2.0	.5	.3	.0	.0	.0	.0	.0	.0	6.4	6.5
SW	2.5	2.1	1.3	.4	.1	.0	.0	.0	.0	.0	.0	6.3	5.1
WSW	1.4	1.8	1.2	.1	.1	.0	.0	.0	.0	.0	.0	4.5	5.4
W	1.0	1.7	1.1	.5	.0	.1	.0	.0	.0	.0	.0	4.4	6.5
WNW	.9	1.2	1.5	.6	.1	.0	.1	.0	.0	.0	.0	4.4	7.5
NW	.5	.9	1.4	.9	.3	.0	.0	.0	.0	.0	.0	4.1	8.8
NNW	1.0	.7	1.8	1.4	.2	.3	.1	.0	.0	.0	.0	5.4	9.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.1	.0
ALL	21.8	26.6	21.9	8.8	1.9	.5	.4	.0	.0	.0	.0	100.0	5.4

TOTAL NO. OF OBS : 1111

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : NOV
CLASS : ALL WEATHER HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.3	1.7	2.3	1.6	.4	.3	.0	.0	.0	.0	.0	7.6	8.8
NNE	.3	1.3	1.6	.7	.2	.2	.0	.0	.0	.0	.0	4.2	8.7
NE	.5	.6	1.3	.5	.2	.0	.0	.0	.0	.0	.0	3.1	8.0
ENE	.8	.9	.6	.3	.0	.0	.0	.0	.0	.0	.0	2.6	5.9
E	.4	.9	.8	.3	.0	.0	.0	.0	.0	.0	.0	2.3	6.7
ESE	.5	.4	1.0	.4	.0	.0	.0	.0	.0	.0	.0	2.2	7.0
SE	.6	.1	.4	.3	.0	.1	.1	.0	.0	.0	.0	1.5	8.4
SSE	1.2	1.8	.7	.4	.1	.0	.0	.0	.0	.0	.0	4.2	5.9
S	2.6	4.6	2.0	.5	.2	.0	.0	.0	.0	.0	.0	9.8	5.5
SSW	1.0	2.7	3.5	.7	.1	.0	.0	.0	.0	.0	.0	8.0	7.1
SW	3.0	3.2	1.6	.3	.0	.0	.0	.0	.0	.0	.0	8.0	5.0
WSW	1.8	1.8	.9	.3	.2	.0	.0	.0	.0	.0	.0	5.0	5.4
W	1.5	1.9	1.4	.5	.1	.0	.0	.0	.0	.0	.0	5.5	6.1
WNW	.4	.8	1.3	.5	.4	.0	.0	.0	.0	.0	.0	3.2	8.9
NW	.7	.8	1.7	1.4	.1	.1	.0	.0	.0	.0	.0	4.9	9.0
NNW	.9	1.3	2.3	1.7	.5	.3	.0	.1	.0	.0	.0	7.1	10.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.7	.0
ALL	17.4	24.7	23.6	10.2	2.3	.9	.1	.1	.0	.0	.0	100.0	5.7

TOTAL NO. OF OBS : 1108

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : NOV
CLASS : ALL WEATHER HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.0	2.6	3.6	2.0	.6	.2	.0*	.0	.0	.0	.0	10.0	8.9
NNE	.5	1.4	1.8	1.4	.3	.1	.0*	.0	.0	.0	.0	5.5	9.1
NE	.5	1.0	1.5	.5	.1	.0*	.0	.0	.0	.0	.0	3.5	7.6
ENE	.4	1.0	.9	.4	.0*	.0	.0	.0	.0	.0	.0	2.7	7.0
E	.6	1.4	1.5	.6	.0*	.0*	.0	.0	.0	.0	.0	4.2	7.1
ESE	.4	.8	.9	.3	.0*	.0*	.0	.0	.0	.0	.0	2.5	7.1
SE	.7	.9	.9	.4	.0*	.0*	.0*	.0	.0	.0	.0	3.0	7.0
SSE	.7	1.3	1.0	.4	.1	.0	.0	.0	.0	.0	.0	3.4	6.7
S	1.4	2.6	1.6	.5	.1	.0*	.0*	.0	.0	.0	.0	6.3	6.1
SSW	.9	1.9	2.2	1.0	.1	.0*	.0	.0	.0	.0	.0	6.1	7.4
SW	2.2	3.0	2.4	1.1	.2	.0*	.0	.0	.0	.0	.0	8.9	6.6
WSW	1.8	2.3	2.0	.8	.1	.0*	.0	.0	.0	.0	.0	7.0	6.5
W	1.2	2.1	2.0	1.1	.1	.0*	.0*	.0	.0	.0	.0	6.7	7.3
WNW	.5	1.0	1.5	.9	.2	.0*	.0*	.0	.0	.0	.0	4.2	8.7
NW	.5	1.2	1.7	1.5	.3	.1	.0*	.0	.0	.0	.0	5.4	9.4
NNW	.9	1.6	2.4	2.2	.4	.2	.0*	.0*	.0	.0	.0	7.7	9.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.8	.0
ALL	14.3	26.0	27.8	15.3	2.8	.8	.1	.0*	.0	.0	.0	100.0	6.7

TOTAL NO. OF OBS : 9137

NOTES :
* = PERCENT < .05

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : NOV
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.5	48.7	53.5	56.1	57.8	57.9	58.5	58.6	58.6	59.0	59.5	59.5	59.8	59.8	60.2	60.9
>=20000	7.5	50.1	55.2	58.0	59.6	59.7	60.3	60.4	60.4	60.9	61.3	61.3	61.6	61.6	62.1	62.7
>=18000	7.5	50.2	55.3	58.0	59.7	59.8	60.4	60.5	60.5	61.0	61.4	61.4	61.7	61.7	62.2	62.8
>=16000	7.5	50.2	55.3	58.0	59.7	59.8	60.4	60.5	60.5	61.0	61.4	61.4	61.7	61.7	62.2	62.8
>=14000	7.5	50.4	55.5	58.2	59.9	60.0	60.6	60.7	60.7	61.2	61.6	61.6	61.9	61.9	62.3	63.0
>=12000	7.6	51.2	56.4	59.1	60.9	61.0	61.6	61.7	61.7	62.2	62.6	62.6	62.9	62.9	63.3	64.0
>=10000	7.9	53.7	59.3	62.1	63.8	63.9	64.5	64.6	64.6	65.1	65.5	65.5	65.8	65.8	66.3	66.9
>= 9000	7.9	54.2	59.8	62.5	64.4	64.4	65.1	65.2	65.2	65.6	66.1	66.1	66.4	66.4	66.9	67.5
>= 8000	8.0	58.3	64.4	67.5	69.4	69.5	70.1	70.2	70.2	70.7	71.1	71.1	71.4	71.4	71.8	72.5
>= 7000	8.1	59.4	65.4	68.7	70.7	70.7	71.4	71.5	71.5	71.9	72.4	72.4	72.8	72.8	73.2	73.9
>= 6000	8.1	59.9	65.9	69.2	71.1	71.2	71.8	71.9	71.9	72.4	72.9	72.9	73.2	73.2	73.7	74.3
>= 5000	8.5	61.8	67.8	71.2	73.1	73.2	73.9	74.0	74.0	74.5	75.0	75.0	75.3	75.3	75.8	76.4
>= 4500	8.5	62.0	68.2	71.6	73.5	73.6	74.3	74.4	74.4	74.9	75.3	75.3	75.7	75.7	76.1	76.8
>= 4000	8.6	63.3	69.7	73.2	75.2	75.3	76.1	76.2	76.2	76.7	77.1	77.1	77.5	77.5	78.0	78.6
>= 3500	8.6	64.3	70.9	74.5	76.5	76.6	77.3	77.5	77.5	78.1	78.5	78.5	78.9	78.9	79.3	80.0
>= 3000	8.6	67.1	74.3	78.0	80.2	80.3	81.1	81.3	81.3	81.8	82.3	82.3	82.6	82.6	83.1	83.7
>= 2500	8.6	68.2	75.8	79.4	81.7	81.9	82.6	82.8	82.8	83.4	83.8	83.8	84.2	84.2	84.6	85.3
>= 2000	8.7	69.5	77.3	81.4	83.8	84.0	84.7	84.9	84.9	85.5	85.9	85.9	86.3	86.3	86.7	87.4
>= 1800	8.7	69.6	77.5	81.6	84.0	84.2	84.9	85.1	85.1	85.6	86.1	86.1	86.5	86.5	86.9	87.6
>= 1500	8.8	70.5	78.6	82.9	85.4	85.6	86.4	86.6	86.6	87.1	87.6	87.6	87.9	87.9	88.4	89.0
>= 1200	8.9	71.4	79.8	84.1	86.8	87.1	87.8	88.0	88.0	88.6	89.0	89.0	89.4	89.4	89.9	90.5
>= 1000	8.9	71.8	80.5	85.0	88.0	88.4	89.3	89.6	89.6	90.2	90.7	90.7	91.0	91.0	91.5	92.1
>= 900	8.9	72.0	80.7	85.2	88.3	88.7	89.6	89.9	89.9	90.6	91.0	91.0	91.4	91.4	91.9	92.5
>= 800	9.0	72.4	81.3	85.9	89.0	89.5	90.5	90.9	90.9	91.5	92.0	92.0	92.3	92.3	92.8	93.4
>= 700	9.0	72.8	81.9	86.7	89.9	90.5	91.6	92.0	92.0	92.6	93.1	93.1	93.4	93.4	93.9	94.5
>= 600	9.0	73.0	82.3	87.0	90.4	91.0	92.1	92.5	92.5	93.1	93.6	93.6	94.0	94.0	94.4	95.1
>= 500	9.0	73.2	82.5	87.4	90.8	91.4	92.9	93.2	93.2	93.9	94.3	94.3	94.7	94.7	95.2	95.8
>= 400	9.0	73.3	82.7	87.7	91.1	91.8	93.6	94.0	94.0	94.7	95.2	95.2	95.5	95.5	96.0	96.6
>= 300	9.0	73.3	82.7	87.8	91.4	92.0	93.9	94.2	94.3	95.1	95.5	95.5	95.9	95.9	96.3	97.1
>= 200	9.0	73.3	82.7	87.8	91.6	92.2	94.2	94.7	94.8	95.7	96.3	96.3	96.7	96.7	97.3	98.1
>= 100	9.0	73.3	82.7	87.8	91.6	92.2	94.3	95.0	95.1	96.2	96.7	96.7	97.3	97.4	98.1	99.0
>= 0	9.0	73.3	82.7	87.8	91.6	92.2	94.3	95.0	95.1	96.2	96.7	96.8	97.5	97.6	98.3	100.0

TOTAL NO. OF OBS : 1094

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : NOV
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.1	47.0	52.3	55.4	57.7	57.8	58.5	58.7	58.9	59.3	59.8	59.8	60.0	60.0	60.5	61.7
>=20000	6.1	47.7	53.2	56.4	58.8	58.9	59.7	59.9	60.0	60.5	60.9	60.9	61.2	61.2	61.7	62.9
>=18000	6.1	47.7	53.2	56.4	58.8	58.9	59.7	59.9	60.0	60.5	60.9	60.9	61.2	61.2	61.7	62.9
>=16000	6.1	47.8	53.3	56.5	58.9	59.0	59.8	59.9	60.1	60.6	61.0	61.0	61.3	61.3	61.8	63.0
>=14000	6.1	47.9	53.4	56.6	59.0	59.2	59.9	60.1	60.3	60.8	61.2	61.2	61.5	61.5	62.0	63.1
>=12000	6.1	48.6	54.3	57.6	60.0	60.2	60.9	61.1	61.3	61.8	62.2	62.2	62.5	62.5	63.0	64.1
>=10000	6.2	50.4	56.2	59.6	62.1	62.3	63.0	63.2	63.4	63.9	64.3	64.3	64.6	64.6	65.1	66.2
>= 9000	6.2	50.5	56.4	59.8	62.3	62.6	63.3	63.5	63.7	64.1	64.6	64.6	64.9	64.9	65.3	66.5
>= 8000	6.3	55.7	61.8	65.5	68.3	68.6	69.3	69.5	69.7	70.2	70.6	70.6	70.9	70.9	71.4	72.5
>= 7000	6.3	56.8	62.9	66.6	69.4	69.7	70.4	70.6	70.8	71.3	71.7	71.7	72.0	72.0	72.4	73.6
>= 6000	6.5	57.1	63.2	67.0	69.8	70.1	70.8	71.0	71.2	71.6	72.1	72.1	72.4	72.4	72.8	74.0
>= 5000	6.7	58.2	64.6	68.3	71.2	71.4	72.2	72.4	72.5	73.0	73.4	73.4	73.7	73.7	74.2	75.4
>= 4500	6.7	58.9	65.3	69.2	72.0	72.3	73.0	73.2	73.4	73.8	74.3	74.3	74.5	74.5	75.0	76.2
>= 4000	6.9	59.9	66.8	70.7	73.5	73.8	74.6	74.8	75.0	75.5	75.9	75.9	76.2	76.2	76.6	77.8
>= 3500	6.9	60.8	67.6	71.7	74.5	74.9	75.7	75.9	76.1	76.6	77.0	77.0	77.3	77.3	77.7	78.9
>= 3000	7.0	62.8	69.9	74.4	77.3	77.6	78.5	78.6	78.8	79.3	79.7	79.7	80.0	80.0	80.5	81.7
>= 2500	7.0	64.0	71.3	75.9	78.8	79.2	80.0	80.2	80.4	80.9	81.4	81.4	81.7	81.7	82.1	83.3
>= 2000	7.0	65.0	72.6	77.5	80.7	81.0	81.8	82.0	82.2	82.8	83.2	83.2	83.5	83.5	83.9	85.1
>= 1800	7.0	65.0	72.6	77.6	80.7	81.1	81.9	82.1	82.3	82.8	83.3	83.3	83.6	83.6	84.0	85.2
>= 1500	7.1	66.2	74.5	79.7	82.9	83.3	84.1	84.3	84.5	85.0	85.5	85.5	85.8	85.8	86.2	87.4
>= 1200	7.2	67.2	76.0	81.2	84.5	84.9	85.8	85.9	86.1	86.7	87.1	87.1	87.4	87.4	87.9	89.1
>= 1000	7.2	67.8	76.6	82.1	85.7	86.1	87.1	87.3	87.5	88.0	88.5	88.5	88.8	88.8	89.2	90.4
>= 900	7.2	68.0	77.0	82.6	86.1	86.6	87.6	87.8	88.0	88.5	89.1	89.1	89.3	89.3	89.8	91.0
>= 800	7.2	68.5	77.7	83.4	87.0	87.5	88.6	88.8	89.0	89.5	90.1	90.1	90.3	90.3	90.8	92.0
>= 700	7.2	68.9	78.2	83.9	87.4	88.0	89.1	89.3	89.5	90.1	90.7	90.7	91.0	91.0	91.4	92.6
>= 600	7.2	68.9	78.2	84.1	87.8	88.3	89.7	90.0	90.1	90.8	91.3	91.3	91.6	91.6	92.1	93.2
>= 500	7.3	69.1	78.5	84.6	88.3	88.9	90.2	90.5	90.7	91.5	92.1	92.1	92.3	92.4	92.9	94.1
>= 400	7.3	69.3	78.7	85.3	89.2	89.8	91.2	91.5	91.7	92.6	93.3	93.3	93.6	93.7	94.2	95.3
>= 300	7.3	69.3	78.9	85.5	89.6	90.3	92.1	92.6	92.8	93.9	94.6	94.6	94.9	95.0	95.5	96.7
>= 200	7.3	69.3	78.9	85.7	90.0	90.7	92.6	93.2	93.4	94.5	95.3	95.3	95.6	95.7	96.4	97.6
>= 100	7.3	69.3	78.9	85.7	90.0	90.7	92.7	93.3	93.5	94.6	95.5	95.5	96.0	96.1	96.8	98.2
>= 0	7.3	69.3	78.9	85.7	90.0	90.7	92.7	93.3	93.5	94.6	95.5	95.5	96.0	96.1	96.8	100.0

TOTAL NO. OF OBS : 1096

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : NOV
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	3.6	34.6	40.5	44.7	48.1	48.9	50.6	51.6	51.7	52.4	53.0	53.0	53.7	53.8	54.4	55.0
>=20000	3.6	35.9	42.1	46.6	50.1	51.0	53.0	54.3	54.4	55.0	55.7	55.7	56.4	56.5	57.2	57.8
>=18000	3.6	36.3	42.5	47.1	50.6	51.5	53.5	54.8	54.9	55.6	56.2	56.3	56.9	57.0	57.7	58.3
>=16000	3.6	36.4	42.6	47.2	50.7	51.6	53.6	54.9	55.0	55.7	56.3	56.3	57.0	57.1	57.8	58.4
>=14000	3.6	36.6	42.8	47.4	51.0	51.9	53.8	55.1	55.2	55.9	56.5	56.6	57.3	57.4	58.1	58.7
>=12000	3.8	37.5	43.8	48.6	52.2	53.1	55.0	56.3	56.4	57.1	57.7	57.8	58.5	58.6	59.3	59.9
>=10000	4.0	39.7	46.5	51.3	55.0	56.2	58.4	59.9	60.0	60.7	61.3	61.3	62.0	62.1	62.9	63.6
>= 9000	4.1	39.9	46.8	51.6	55.3	56.4	58.7	60.1	60.2	60.9	61.5	61.6	62.3	62.4	63.2	63.8
>= 8000	4.1	43.5	50.9	56.3	60.1	61.2	63.6	65.1	65.2	65.9	66.5	66.6	67.4	67.5	68.2	68.9
>= 7000	4.2	44.4	51.9	57.3	61.3	62.6	65.1	66.7	66.8	67.5	68.1	68.2	68.9	69.0	69.8	70.5
>= 6000	4.3	44.7	52.5	57.8	61.9	63.1	65.7	67.2	67.3	68.0	68.6	68.7	69.5	69.5	70.3	71.0
>= 5000	4.4	45.8	53.7	59.1	63.2	64.4	67.0	68.6	68.7	69.5	70.1	70.1	70.9	71.0	71.8	72.5
>= 4500	4.4	46.2	54.2	59.8	63.9	65.1	67.8	69.4	69.5	70.2	70.8	70.9	71.7	71.8	72.6	73.3
>= 4000	4.7	48.2	56.3	62.3	66.5	67.8	70.5	72.1	72.2	73.0	73.6	73.7	74.5	74.5	75.3	76.0
>= 3500	4.9	49.0	57.1	63.2	67.5	68.8	71.4	73.1	73.2	73.9	74.5	74.6	75.4	75.5	76.3	77.0
>= 3000	5.0	51.0	59.3	65.4	70.0	71.3	73.9	75.6	75.7	76.4	77.0	77.1	77.9	78.0	78.9	79.6
>= 2500	5.3	53.0	61.4	67.8	72.6	73.9	76.8	78.4	78.5	79.3	79.9	80.0	80.8	80.8	81.7	82.4
>= 2000	5.3	54.5	63.2	70.1	75.1	76.8	79.8	81.4	81.5	82.4	83.0	83.1	83.9	84.0	84.8	85.5
>= 1800	5.4	54.9	63.8	70.7	75.6	77.3	80.3	82.0	82.1	82.9	83.5	83.6	84.4	84.5	85.3	86.0
>= 1500	5.5	55.5	64.7	72.0	77.0	78.8	81.9	83.5	83.6	84.5	85.2	85.2	86.0	86.1	87.0	87.7
>= 1200	5.5	55.9	65.3	72.6	78.0	79.8	82.9	84.6	84.6	85.6	86.3	86.4	87.1	87.2	88.1	88.8
>= 1000	5.6	56.4	66.0	73.4	79.1	80.9	84.1	85.8	85.9	86.9	87.6	87.7	88.5	88.6	89.6	90.3
>= 900	5.6	56.5	66.1	73.8	79.6	81.4	84.6	86.3	86.4	87.3	88.0	88.1	89.0	89.0	90.0	90.7
>= 800	5.6	56.9	66.6	74.6	80.7	82.5	85.7	87.5	87.6	88.6	89.3	89.4	90.3	90.3	91.3	92.0
>= 700	5.6	57.1	67.1	75.2	81.5	83.3	86.7	88.5	88.6	89.6	90.4	90.5	91.4	91.5	92.4	93.1
>= 600	5.6	57.1	67.1	75.4	81.9	83.7	87.2	89.0	89.1	90.3	91.2	91.3	92.1	92.2	93.2	93.9
>= 500	5.6	57.1	67.1	75.6	82.4	84.3	87.9	89.7	89.8	91.0	92.1	92.1	93.1	93.2	94.1	94.8
>= 400	5.6	57.2	67.2	75.8	82.7	84.7	88.5	90.7	90.8	92.1	93.4	93.4	94.4	94.5	95.4	96.1
>= 300	5.6	57.3	67.3	75.9	82.8	84.9	89.0	91.1	91.2	92.8	94.1	94.2	95.2	95.3	96.2	97.0
>= 200	5.6	57.3	67.3	75.9	82.8	84.9	89.1	91.4	91.5	93.1	94.5	94.6	95.6	95.7	96.8	97.8
>= 100	5.6	57.3	67.3	75.9	82.8	84.9	89.1	91.4	91.5	93.1	94.6	94.7	95.7	95.8	97.2	98.4
>= 0	5.6	57.3	67.3	75.9	82.8	84.9	89.1	91.4	91.5	93.1	94.6	94.7	95.7	95.8	97.2	100.0

TOTAL NO. OF OBS : 1159

D13769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : NOV
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.2	47.4	51.0	52.4	53.4	53.5	54.0	54.0	54.0	54.3	54.3	54.4	54.4	54.4	54.4	54.4
>=20000	7.2	50.7	54.6	56.2	57.2	57.4	57.8	57.8	57.9	58.1	58.1	58.2	58.2	58.2	58.2	58.2
>=18000	7.2	50.8	54.7	56.3	57.3	57.4	57.9	57.9	58.0	58.2	58.2	58.3	58.3	58.3	58.3	58.3
>=16000	7.2	50.9	54.7	56.4	57.4	57.5	58.0	58.0	58.1	58.3	58.3	58.4	58.4	58.4	58.4	58.4
>=14000	7.2	51.2	55.2	56.8	57.8	58.0	58.4	58.4	58.5	58.7	58.7	58.8	58.8	58.8	58.8	58.8
>=12000	7.3	52.0	56.1	57.9	58.9	59.1	59.5	59.5	59.6	59.9	59.9	60.0	60.0	60.0	60.0	60.0
>=10000	7.4	54.7	59.4	61.3	62.3	62.5	62.9	63.0	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4
>= 9000	7.4	54.9	59.6	61.6	62.8	62.9	63.4	63.4	63.5	63.8	63.8	63.9	63.9	63.9	63.9	63.9
>= 8000	7.6	58.0	63.5	65.8	67.4	67.5	68.0	68.1	68.1	68.4	68.4	68.5	68.5	68.5	68.5	68.5
>= 7000	7.7	58.9	64.7	67.2	68.9	69.1	69.5	69.6	69.7	70.0	70.0	70.1	70.1	70.1	70.1	70.1
>= 6000	7.7	59.7	65.7	68.3	70.1	70.3	70.8	70.9	71.0	71.4	71.4	71.5	71.5	71.5	71.5	71.5
>= 5000	7.8	60.3	66.7	69.3	71.1	71.3	71.7	71.9	72.0	72.3	72.3	72.4	72.4	72.4	72.4	72.4
>= 4500	7.8	60.7	67.1	69.7	71.5	71.7	72.1	72.3	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8
>= 4000	7.8	62.7	69.3	72.1	74.2	74.5	75.0	75.2	75.3	75.6	75.6	75.7	75.7	75.7	75.7	75.7
>= 3500	8.0	63.3	69.9	72.8	74.9	75.3	75.8	76.0	76.1	76.4	76.4	76.5	76.5	76.5	76.5	76.5
>= 3000	8.1	64.8	71.8	74.9	77.1	77.5	78.1	78.4	78.5	78.9	78.9	78.9	78.9	78.9	78.9	79.0
>= 2500	8.3	67.4	74.8	78.0	80.2	80.6	81.2	81.5	81.6	82.0	82.0	82.1	82.1	82.1	82.1	82.2
>= 2000	8.4	69.4	77.1	80.4	83.1	83.6	84.2	84.6	84.7	85.0	85.0	85.1	85.1	85.1	85.1	85.2
>= 1800	8.4	69.6	77.4	80.8	83.5	83.9	84.6	85.0	85.1	85.5	85.5	85.6	85.6	85.6	85.6	85.6
>= 1500	8.4	70.8	78.9	82.3	85.3	86.0	86.8	87.3	87.4	87.7	87.7	87.8	87.8	87.8	87.8	87.9
>= 1200	8.4	71.7	79.9	83.5	86.4	87.1	87.9	88.6	88.7	89.1	89.1	89.2	89.2	89.2	89.2	89.3
>= 1000	8.4	72.2	80.8	84.3	87.6	88.4	89.2	89.9	90.0	90.4	90.4	90.5	90.5	90.5	90.5	90.6
>= 900	8.4	72.3	80.9	84.8	88.3	89.2	90.1	90.9	90.9	91.4	91.4	91.5	91.5	91.5	91.5	91.6
>= 800	8.4	72.6	81.5	85.5	89.1	90.2	91.5	92.4	92.5	93.0	93.0	93.0	93.1	93.1	93.1	93.2
>= 700	8.4	72.8	81.7	85.8	89.6	90.8	92.3	93.2	93.3	93.9	94.0	94.1	94.2	94.2	94.2	94.3
>= 600	8.4	72.8	81.8	86.1	90.3	91.6	93.5	94.4	94.5	95.3	95.4	95.5	95.6	95.6	95.6	95.7
>= 500	8.4	72.8	81.9	86.3	90.8	92.4	94.5	95.6	95.7	96.5	96.6	96.7	97.0	97.0	97.1	97.2
>= 400	8.4	72.8	81.9	86.5	90.9	92.7	95.0	96.4	96.5	97.5	97.7	97.7	98.3	98.3	98.3	98.4
>= 300	8.4	72.9	82.0	86.6	91.1	92.9	95.2	96.8	97.0	98.0	98.2	98.3	98.9	98.9	99.0	99.0
>= 200	8.4	72.9	82.0	86.6	91.1	92.9	95.3	97.0	97.2	98.3	98.5	98.6	99.3	99.3	99.5	99.6
>= 100	8.4	72.9	82.0	86.6	91.1	92.9	95.3	97.0	97.2	98.3	98.5	98.6	99.3	99.3	99.5	99.7
>= 0	8.4	72.9	82.0	86.6	91.1	92.9	95.3	97.0	97.2	98.3	98.5	98.6	99.3	99.4	99.6	100.0

TOTAL NO. OF OBS : 1149

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : NOV
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	9.4	49.9	51.2	51.9	52.5	52.6	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
>=20000	9.4	54.6	56.0	56.7	57.4	57.5	57.7	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9
>=18000	9.5	54.9	56.3	57.0	57.7	57.8	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1
>=16000	9.5	55.2	56.6	57.3	58.0	58.0	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
>=14000	9.5	55.5	56.9	57.6	58.3	58.4	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
>=12000	9.7	56.8	58.4	59.1	59.9	60.0	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
>=10000	10.0	58.8	60.6	61.5	62.5	62.6	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
>= 9000	10.0	59.3	61.1	62.1	63.1	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
>= 8000	10.2	62.8	65.4	66.6	67.9	68.0	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5
>= 7000	10.2	63.5	66.4	67.7	69.0	69.1	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6
>= 6000	10.2	63.9	67.1	68.4	69.8	69.8	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
>= 5000	10.3	64.9	68.2	69.5	70.9	71.0	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
>= 4500	10.4	65.3	68.6	69.9	71.3	71.4	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
>= 4000	10.7	68.5	72.1	73.6	75.1	75.2	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
>= 3500	10.8	69.3	72.9	74.4	76.0	76.0	76.4	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
>= 3000	11.6	73.1	77.3	78.8	80.5	80.6	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
>= 2500	11.6	75.7	80.2	81.7	83.6	83.7	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
>= 2000	11.8	77.4	82.3	84.0	85.8	85.9	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
>= 1800	11.8	78.0	82.9	84.7	86.6	86.7	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
>= 1500	11.8	78.9	84.0	85.9	88.0	88.3	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
>= 1200	11.8	79.8	85.1	87.3	89.4	89.7	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
>= 1000	11.8	80.3	85.9	88.3	90.7	91.0	91.5	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
>= 900	11.9	80.6	86.3	88.8	91.3	91.7	92.3	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
>= 800	11.9	80.7	86.7	89.5	92.2	92.6	93.4	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9
>= 700	11.9	80.8	87.1	90.0	93.0	93.4	94.5	94.8	94.8	94.8	94.9	94.9	95.0	95.0	95.0	95.0
>= 600	11.9	81.1	87.5	90.6	93.9	94.3	95.7	96.1	96.1	96.2	96.3	96.3	96.4	96.4	96.4	96.4
>= 500	11.9	81.2	87.6	90.6	94.2	94.8	96.3	96.9	96.9	97.3	97.5	97.5	97.6	97.6	97.6	97.6
>= 400	11.9	81.2	87.7	90.7	94.6	95.4	96.9	97.7	97.7	98.4	98.6	98.6	98.7	98.7	98.7	98.7
>= 300	11.9	81.2	87.7	90.7	94.6	95.4	97.0	98.3	98.3	99.0	99.4	99.4	99.6	99.6	99.6	99.6
>= 200	11.9	81.2	87.7	90.7	94.6	95.4	97.0	98.3	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0
>= 100	11.9	81.2	87.7	90.7	94.6	95.4	97.0	98.3	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0
>= 0	11.9	81.2	87.7	90.7	94.6	95.4	97.0	98.3	98.5	99.2	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 1144

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : NOV
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.7	48.7	50.5	51.3	51.8	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3
>=20000	8.9	53.2	55.8	56.6	57.1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
>=18000	8.9	53.5	56.1	56.8	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9
>=16000	9.0	53.6	56.2	56.9	57.5	57.7	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0
>=14000	9.0	54.1	56.7	57.5	58.0	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
>=12000	9.1	55.4	58.0	58.8	59.4	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9
>=10000	9.4	59.3	62.1	63.3	64.0	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6
>= 9000	9.4	59.6	62.5	63.7	64.5	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1
>= 8000	9.9	63.9	67.1	68.4	69.3	69.7	69.9	69.9	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.1
>= 7000	10.2	65.2	68.4	69.8	70.7	71.0	71.3	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.5
>= 6000	10.2	65.9	69.2	70.7	71.8	72.1	72.4	72.4	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.6
>= 5000	10.2	66.5	70.1	71.5	72.6	72.9	73.2	73.2	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4
>= 4500	10.3	67.0	70.7	72.1	73.2	73.6	73.8	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0
>= 4000	10.5	69.2	73.1	74.6	75.8	76.2	76.4	76.4	76.4	76.5	76.5	76.5	76.6	76.6	76.6	76.6
>= 3500	10.5	70.5	74.5	76.1	77.3	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2
>= 3000	10.8	74.0	78.1	79.9	81.2	81.7	82.0	82.0	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.2
>= 2500	11.0	76.1	80.8	82.9	84.3	84.8	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
>= 2000	11.2	77.2	82.0	84.4	86.0	86.6	86.9	87.0	87.0	87.1	87.1	87.1	87.3	87.3	87.3	87.3
>= 1800	11.2	77.4	82.3	84.7	86.4	87.1	87.3	87.4	87.4	87.5	87.6	87.6	87.8	87.8	87.8	87.8
>= 1500	11.2	78.2	83.5	86.2	87.9	88.5	88.8	88.9	88.9	89.0	89.1	89.1	89.3	89.3	89.3	89.3
>= 1200	11.2	78.7	84.1	87.1	88.8	89.6	89.9	90.1	90.1	90.2	90.3	90.3	90.5	90.5	90.5	90.5
>= 1000	11.2	79.2	84.9	88.0	90.5	91.2	91.5	91.8	91.8	91.9	92.0	92.0	92.2	92.2	92.2	92.2
>= 900	11.2	79.6	85.4	88.6	91.0	91.7	92.1	92.4	92.4	92.5	92.6	92.6	92.8	92.8	92.8	92.8
>= 800	11.2	79.9	85.8	88.9	91.6	92.4	92.8	93.1	93.1	93.3	93.6	93.6	94.0	94.0	94.0	94.0
>= 700	11.2	80.0	86.0	89.2	92.1	93.0	93.3	93.8	93.8	94.2	94.5	94.5	94.9	94.9	94.9	94.9
>= 600	11.2	80.0	86.0	89.5	92.4	93.6	94.1	94.6	94.6	95.1	95.4	95.4	95.8	95.8	95.8	95.8
>= 500	11.2	80.1	86.1	89.7	92.8	94.2	95.1	95.7	95.7	96.2	96.5	96.5	96.9	96.9	96.9	96.9
>= 400	11.2	80.3	86.3	90.2	93.8	95.2	96.5	97.3	97.3	97.9	98.2	98.2	98.6	98.6	98.7	98.7
>= 300	11.2	80.3	86.3	90.2	93.9	95.3	96.7	97.6	97.6	98.4	98.7	98.7	99.0	99.0	99.1	99.1
>= 200	11.2	80.3	86.3	90.2	93.9	95.4	96.8	97.8	97.8	98.6	99.0	99.0	99.6	99.6	99.9	99.9
>= 100	11.2	80.3	86.3	90.2	93.9	95.4	96.8	97.8	97.8	98.6	99.0	99.0	99.7	99.7	100.0	100.0
>= 0	11.2	80.3	86.3	90.2	93.9	95.4	96.8	97.8	97.8	98.6	99.0	99.0	99.7	99.7	100.0	100.0

TOTAL NO. OF OBS : 1112

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : NOV
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.4	52.3	55.2	56.7	57.2	57.4	58.2	58.2	58.3	58.4	58.4	58.4	58.5	58.5	58.5	58.6
>=20000	6.4	54.8	58.1	59.9	60.3	60.5	61.3	61.3	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.7
>=18000	6.4	54.8	58.2	59.9	60.4	60.6	61.4	61.4	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.8
>=16000	6.4	55.0	58.4	60.1	60.6	60.8	61.6	61.6	61.7	61.8	61.8	61.8	61.9	61.9	61.9	62.0
>=14000	6.5	55.5	58.9	60.7	61.1	61.3	62.2	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.5
>=12000	6.5	56.7	60.1	62.0	62.5	62.7	63.5	63.5	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.9
>=10000	6.7	59.8	63.3	65.3	65.9	66.1	66.9	66.9	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.3
>= 9000	6.7	60.2	63.8	65.8	66.7	66.9	67.7	67.7	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.0
>= 8000	6.9	65.2	69.1	71.4	72.3	72.5	73.4	73.5	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8
>= 7000	7.0	66.2	70.1	72.4	73.3	73.5	74.4	74.5	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.9
>= 6000	7.1	66.6	70.5	72.8	73.8	73.9	74.9	75.0	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.3
>= 5000	7.2	67.5	71.8	74.1	75.0	75.2	76.2	76.2	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.6
>= 4500	7.3	68.1	72.6	74.9	75.8	76.0	76.9	77.0	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.3
>= 4000	7.4	69.9	74.6	77.0	77.9	78.1	79.0	79.1	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.5
>= 3500	7.4	70.6	75.5	78.1	79.0	79.2	80.1	80.2	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.6
>= 3000	7.6	72.4	77.9	80.6	81.7	81.9	82.8	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.2
>= 2500	7.7	74.0	79.7	82.6	83.9	84.2	85.1	85.2	85.3	85.4	85.4	85.4	85.5	85.5	85.5	85.5
>= 2000	7.9	75.3	81.0	84.5	85.9	86.2	87.1	87.2	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.6
>= 1800	7.9	75.5	81.3	84.8	86.2	86.5	87.4	87.5	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8
>= 1500	7.9	76.2	82.6	86.2	87.9	88.2	89.2	89.3	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.7
>= 1200	7.9	77.0	83.5	87.2	89.2	89.5	90.5	90.6	90.7	90.8	90.8	90.8	90.9	90.9	90.9	91.0
>= 1000	7.9	77.1	83.9	87.7	89.8	90.1	91.1	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.5
>= 900	7.9	77.3	84.3	88.2	90.4	90.8	92.0	92.1	92.2	92.3	92.3	92.3	92.4	92.4	92.4	92.4
>= 800	8.0	77.6	84.7	88.8	91.2	91.5	92.8	93.0	93.1	93.3	93.3	93.3	93.4	93.4	93.4	93.5
>= 700	8.1	78.0	85.1	89.3	91.9	92.4	93.9	94.1	94.2	94.4	94.5	94.5	94.6	94.6	94.6	94.7
>= 600	8.2	78.2	85.3	89.9	92.8	93.3	95.0	95.4	95.5	95.7	95.9	95.9	95.9	95.9	95.9	96.0
>= 500	8.2	78.3	85.5	90.1	93.2	93.6	95.6	95.9	96.0	96.3	96.5	96.5	96.7	96.7	96.7	96.8
>= 400	8.2	78.4	85.7	90.4	93.6	94.0	96.2	96.8	96.9	97.1	97.3	97.3	97.5	97.5	97.5	97.6
>= 300	8.2	78.4	85.7	90.4	93.6	94.0	96.7	97.2	97.3	97.8	98.0	98.0	98.3	98.3	98.3	98.3
>= 200	8.2	78.5	85.8	90.6	93.7	94.2	96.9	97.5	97.6	98.2	98.3	98.3	98.6	98.7	98.7	98.9
>= 100	8.2	78.5	85.8	90.6	93.9	94.4	97.1	97.8	97.9	98.6	98.8	98.8	99.2	99.3	99.4	99.5
>= 0	8.2	78.5	85.8	90.6	93.9	94.4	97.1	97.8	97.9	98.6	98.8	98.8	99.2	99.3	99.4	100.0

TOTAL NO. OF OBS : 1086

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : NOV
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.4	51.2	54.4	56.6	57.5	57.9	58.3	58.5	58.5	58.9	59.0	59.0	59.1	59.1	59.2	59.4
>=20000	6.4	53.6	57.2	59.6	60.6	60.9	61.4	61.6	61.6	61.9	62.0	62.0	62.1	62.1	62.2	62.4
>=18000	6.4	53.7	57.3	59.7	60.6	61.0	61.5	61.7	61.7	62.0	62.1	62.1	62.2	62.2	62.3	62.5
>=16000	6.4	53.7	57.3	59.7	60.6	61.0	61.5	61.7	61.7	62.0	62.1	62.1	62.2	62.2	62.3	62.5
>=14000	6.4	54.0	57.6	60.0	60.9	61.3	61.8	61.9	61.9	62.3	62.4	62.4	62.5	62.5	62.6	62.8
>=12000	6.5	55.0	58.6	61.0	61.9	62.3	62.8	62.9	62.9	63.3	63.4	63.4	63.5	63.5	63.6	63.8
>=10000	7.0	57.9	61.8	64.2	65.2	65.5	66.0	66.2	66.2	66.5	66.6	66.6	66.7	66.7	66.8	67.0
>= 9000	7.0	58.2	62.1	64.6	65.6	66.0	66.5	66.6	66.6	67.0	67.1	67.1	67.2	67.2	67.3	67.5
>= 8000	7.3	62.2	66.7	69.4	70.4	70.8	71.2	71.5	71.5	71.9	72.1	72.1	72.2	72.2	72.3	72.4
>= 7000	7.3	63.5	68.1	70.8	71.9	72.3	72.7	73.0	73.0	73.4	73.5	73.5	73.6	73.6	73.7	73.9
>= 6000	7.3	64.1	68.8	71.4	72.5	72.9	73.4	73.6	73.6	74.0	74.2	74.2	74.3	74.3	74.4	74.6
>= 5000	7.3	64.9	69.7	72.4	73.6	74.0	74.5	74.7	74.7	75.1	75.3	75.3	75.4	75.4	75.5	75.7
>= 4500	7.4	65.4	70.4	73.2	74.4	74.7	75.2	75.5	75.5	75.9	76.0	76.0	76.1	76.1	76.2	76.4
>= 4000	7.7	67.5	72.9	75.7	77.0	77.3	77.8	78.2	78.2	78.5	78.7	78.7	78.8	78.8	78.9	79.1
>= 3500	7.9	68.1	73.5	76.4	77.7	78.1	78.5	78.9	78.9	79.3	79.4	79.4	79.5	79.5	79.6	79.8
>= 3000	7.9	70.3	75.8	78.8	80.4	80.7	81.3	81.7	81.7	82.0	82.2	82.2	82.3	82.3	82.4	82.6
>= 2500	8.0	72.2	78.2	81.3	83.1	83.5	84.2	84.6	84.6	85.0	85.2	85.2	85.3	85.3	85.3	85.5
>= 2000	8.1	73.3	79.5	82.9	85.0	85.3	86.1	86.5	86.5	86.8	87.0	87.0	87.1	87.1	87.2	87.4
>= 1800	8.1	73.5	79.8	83.2	85.3	85.6	86.4	86.7	86.7	87.2	87.4	87.4	87.5	87.5	87.6	87.8
>= 1500	8.1	74.4	81.3	85.0	87.1	87.5	88.2	88.6	88.7	89.1	89.3	89.3	89.4	89.4	89.5	89.7
>= 1200	8.1	75.2	82.1	86.0	88.1	88.5	89.3	89.7	89.8	90.3	90.5	90.5	90.6	90.6	90.7	90.9
>= 1000	8.1	75.6	82.6	86.5	88.8	89.2	90.1	90.5	90.6	91.2	91.3	91.3	91.4	91.4	91.5	91.7
>= 900	8.1	75.9	82.9	87.0	89.2	89.7	90.6	91.0	91.1	91.6	91.8	91.8	91.9	91.9	92.0	92.2
>= 800	8.2	76.6	83.7	87.8	90.0	90.5	91.7	92.1	92.2	92.7	92.9	92.9	93.0	93.0	93.1	93.3
>= 700	8.2	76.8	84.1	88.3	90.5	91.0	92.2	92.5	92.6	93.2	93.4	93.4	93.5	93.5	93.5	93.7
>= 600	8.2	77.0	84.3	88.8	91.5	92.1	93.4	93.8	93.9	94.5	94.7	94.7	94.8	94.8	94.9	95.1
>= 500	8.3	77.3	84.9	89.5	92.4	93.0	94.4	94.9	95.0	95.6	95.9	95.9	95.9	95.9	96.0	96.2
>= 400	8.3	77.6	85.2	90.0	92.9	93.6	95.4	96.0	96.2	96.8	97.1	97.1	97.1	97.1	97.2	97.4
>= 300	8.3	77.7	85.3	90.2	93.2	94.1	95.9	96.7	96.9	97.5	97.8	97.8	98.1	98.1	98.2	98.3
>= 200	8.3	77.7	85.3	90.2	93.3	94.2	96.2	97.0	97.1	97.8	98.1	98.1	98.3	98.3	98.4	98.7
>= 100	8.3	77.7	85.3	90.2	93.3	94.3	96.3	97.1	97.3	98.1	98.3	98.3	98.8	98.8	98.9	99.4
>= 0	8.3	77.7	85.3	90.2	93.3	94.3	96.3	97.1	97.3	98.1	98.3	98.3	98.8	98.8	99.1	100.0

TOTAL NO. OF OBS : 1085

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : NOV
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.9	47.4	51.0	53.1	54.4	54.7	55.3	55.5	55.6	55.9	56.1	56.1	56.3	56.3	56.5	56.8
>=20000	6.9	50.0	54.0	56.2	57.6	57.8	58.5	58.8	58.8	59.1	59.3	59.4	59.5	59.6	59.8	60.1
>=18000	6.9	50.2	54.1	56.3	57.7	58.0	58.7	58.9	59.0	59.3	59.5	59.5	59.7	59.7	59.9	60.3
>=16000	7.0	50.3	54.2	56.4	57.8	58.1	58.8	59.0	59.1	59.4	59.6	59.6	59.8	59.8	60.0	60.4
>=14000	7.0	50.6	54.6	56.8	58.2	58.5	59.2	59.4	59.5	59.8	60.0	60.0	60.2	60.2	60.4	60.7
>=12000	7.1	51.6	55.7	57.9	59.4	59.7	60.4	60.6	60.7	61.0	61.2	61.2	61.4	61.4	61.6	61.9
>=10000	7.3	54.2	58.6	61.0	62.6	62.9	63.6	63.9	63.9	64.2	64.4	64.4	64.6	64.6	64.9	65.2
>= 9000	7.3	54.5	58.9	61.4	63.0	63.4	64.1	64.3	64.4	64.7	64.9	64.9	65.1	65.1	65.3	65.7
>= 8000	7.5	58.6	63.5	66.3	68.1	68.4	69.2	69.5	69.5	69.8	70.1	70.1	70.3	70.3	70.5	70.9
>= 7000	7.6	59.7	64.7	67.5	69.3	69.7	70.5	70.8	70.8	71.2	71.4	71.4	71.6	71.6	71.8	72.2
>= 6000	7.7	60.1	65.3	68.1	70.0	70.4	71.2	71.5	71.6	71.9	72.1	72.1	72.3	72.3	72.6	72.9
>= 5000	7.8	61.1	66.5	69.4	71.3	71.6	72.4	72.8	72.8	73.2	73.4	73.4	73.6	73.6	73.8	74.2
>= 4500	7.8	61.6	67.0	70.0	71.9	72.2	73.1	73.4	73.4	73.8	74.0	74.0	74.2	74.2	74.5	74.8
>= 4000	8.0	63.6	69.3	72.3	74.3	74.7	75.6	75.9	76.0	76.3	76.5	76.5	76.8	76.8	77.0	77.3
>= 3500	8.1	64.4	70.2	73.3	75.4	75.8	76.6	77.0	77.0	77.4	77.6	77.6	77.8	77.8	78.1	78.4
>= 3000	8.3	66.8	73.0	76.3	78.5	78.9	79.8	80.2	80.2	80.6	80.8	80.8	81.0	81.0	81.3	81.6
>= 2500	8.4	68.7	75.2	78.6	81.0	81.4	82.4	82.7	82.8	83.1	83.4	83.4	83.6	83.6	83.8	84.2
>= 2000	8.6	70.1	76.8	80.6	83.1	83.6	84.6	85.0	85.0	85.4	85.6	85.7	85.9	85.9	86.1	86.5
>= 1800	8.6	70.4	77.1	81.0	83.5	84.0	85.0	85.4	85.5	85.8	86.0	86.1	86.3	86.3	86.5	86.9
>= 1500	8.6	71.3	78.5	82.5	85.2	85.7	86.7	87.1	87.2	87.6	87.8	87.9	88.1	88.1	88.3	88.7
>= 1200	8.6	72.0	79.4	83.6	86.4	87.0	88.0	88.5	88.5	88.9	89.2	89.2	89.4	89.4	89.7	90.0
>= 1000	8.6	72.5	80.1	84.4	87.5	88.1	89.2	89.7	89.8	90.2	90.4	90.5	90.7	90.7	91.0	91.3
>= 900	8.7	72.7	80.4	84.8	88.0	88.7	89.8	90.3	90.4	90.8	91.1	91.1	91.3	91.4	91.6	92.0
>= 800	8.7	73.1	80.9	85.5	88.8	89.6	90.9	91.4	91.5	92.0	92.2	92.2	92.5	92.5	92.8	93.1
>= 700	8.7	73.3	81.3	86.0	89.5	90.3	91.7	92.3	92.3	92.9	93.2	93.2	93.5	93.5	93.7	94.1
>= 600	8.7	73.4	81.5	86.4	90.1	91.0	92.6	93.2	93.3	93.9	94.2	94.3	94.5	94.6	94.8	95.2
>= 500	8.8	73.6	81.7	86.7	90.6	91.6	93.3	94.1	94.1	94.8	95.2	95.2	95.5	95.6	95.8	96.2
>= 400	8.8	73.7	81.9	87.0	91.1	92.1	94.2	95.0	95.1	95.9	96.3	96.4	96.7	96.7	97.0	97.4
>= 300	8.8	73.7	81.9	87.1	91.2	92.3	94.5	95.6	95.7	96.6	97.0	97.1	97.5	97.5	97.8	98.2
>= 200	8.8	73.7	81.9	87.2	91.3	92.4	94.7	95.8	96.0	96.9	97.5	97.5	98.0	98.0	98.4	98.8
>= 100	8.8	73.7	81.9	87.2	91.4	92.5	94.8	95.9	96.1	97.1	97.6	97.7	98.3	98.3	98.7	99.3
>= 0	8.8	73.7	81.9	87.2	91.4	92.5	94.8	95.9	96.1	97.1	97.6	97.7	98.3	98.3	98.8	100.0

TOTAL NO. OF OBS : 8925

1 - SURFACE WINDS

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : DEC
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.1	2.4	3.6	2.3	.4	.0	.0	.0	.0	.0	.0	9.9	8.6
NNE	.6	2.8	2.2	.8	.3	.0	.0	.0	.0	.0	.0	6.6	7.4
NE	.2	.5	.9	.2	.1	.0	.0	.1	.0	.0	.0	1.9	8.5
ENE	.2	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	1.2	7.3
E	.3	.5	.3	.3	.2	.0	.0	.0	.0	.0	.0	1.6	7.8
ESE	.0	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	1.2	7.4
SE	.1	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.5
SSE	.3	.5	.8	.2	.0	.2	.0	.0	.0	.0	.0	1.9	8.1
S	1.7	2.5	1.9	.2	.0	.1	.0	.0	.0	.0	.0	6.5	5.7
SSW	1.5	2.0	2.3	.7	.0	.3	.0	.0	.0	.0	.0	6.8	7.1
SW	4.6	4.2	3.7	1.0	.2	.1	.0	.0	.0	.0	.0	13.7	5.8
WSW	1.3	3.0	2.5	.4	.1	.0	.0	.0	.0	.0	.0	7.3	6.5
W	1.6	2.2	2.1	1.3	.1	.0	.0	.0	.0	.0	.0	7.2	6.9
WNW	.6	1.2	2.2	.4	.1	.1	.0	.0	.0	.0	.0	4.6	7.5
NW	.4	.9	1.6	1.5	.4	.1	.0	.0	.0	.0	.0	4.9	10.3
NNW	.8	1.3	1.8	2.9	.5	.3	.0	.0	.0	.0	.0	7.6	10.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.3	.0
ALL	15.3	25.6	26.8	12.4	2.4	1.1	.0	.1	.0	.0	.0	100.0	6.2

TOTAL NO. OF OBS : 1146

NOTES :
* = PERCENT < .05

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : DEC
CLASS : ALL WEATHER HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.9	3.6	3.2	2.3	.2	.1	.0	.0	.0	.0	.0	10.2	8.1
NNE	1.0	1.4	2.4	1.4	.3	.1	.0	.0	.0	.0	.0	6.5	8.6
NE	.3	1.1	1.0	.2	.0	.1	.0	.0	.0	.0	.0	2.7	7.2
ENE	.1	.5	.6	.2	.0	.0	.0	.0	.0	.0	.0	1.4	7.4
E	.3	.6	.6	.2	.1	.0	.0	.0	.0	.0	.0	1.8	6.8
ESE	.4	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.3	5.5
SE	.3	.2	.6	.2	.0	.0	.0	.0	.0	.0	.0	1.3	6.9
SSE	.2	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.4	5.9
S	1.2	2.1	1.0	.8	.0	.0	.1	.0	.0	.0	.0	5.1	6.2
SSW	.9	2.5	1.7	.6	.2	.1	.0	.0	.0	.0	.0	6.0	7.0
SW	3.8	4.0	2.8	.7	.1	.0	.0	.0	.0	.0	.0	11.4	5.5
WSW	2.2	2.9	2.7	1.0	.0	.0	.0	.0	.0	.0	.0	8.7	6.3
W	1.5	3.0	2.7	.8	.0	.1	.0	.0	.0	.0	.0	8.0	6.5
WNW	.4	1.5	1.0	1.0	.0	.2	.0	.0	.0	.0	.0	4.1	8.2
NW	.8	1.1	1.4	1.6	.8	.1	.0	.0	.0	.0	.0	5.8	10.0
NNW	.9	1.8	2.1	2.5	.4	.2	.1	.0	.0	.0	.0	8.0	9.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.1	.0
ALL	15.3	27.4	24.8	13.4	2.1	.9	.2	.0	.0	.0	.0	100.0	6.2

TOTAL NO. OF OBS : 1146

NOTES :
* = PERCENT < .05

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : DEC
CLASS : ALL WEATHER HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.8	3.3	3.6	3.3	.2	.0	.1	.0	.0	.0	.0	12.3	8.3
NNE	1.2	1.4	1.8	.8	.4	.0	.0	.0	.0	.0	.0	5.5	7.8
NE	.3	1.3	1.0	.2	.2	.0	.1	.0	.0	.0	.0	3.1	8.1
ENE	.2	.3	1.0	.2	.0	.0	.0	.0	.0	.0	.0	1.8	7.5
E	.3	.6	.6	.5	.1	.0	.0	.0	.0	.0	.0	2.0	7.9
ESE	.4	.5	.6	.1	.0	.0	.0	.0	.0	.0	.0	1.5	5.9
SE	.2	1.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	2.0	7.2
SSE	.6	.5	.6	.5	.1	.0	.0	.0	.0	.0	.0	2.1	7.2
S	1.3	1.8	1.1	.3	.2	.1	.0	.0	.0	.0	.0	4.7	6.3
SSW	1.0	2.1	2.3	.5	.2	.0	.0	.0	.0	.0	.0	6.0	6.9
SW	2.5	4.7	2.5	1.5	.2	.0	.0	.0	.0	.0	.0	11.5	6.4
WSW	2.3	3.6	2.9	.9	.2	.1	.0	.0	.0	.0	.0	9.9	6.5
W	1.3	1.8	2.1	.6	.0	.0	.0	.0	.0	.0	.0	5.6	6.5
WNW	.5	.9	2.0	1.6	.3	.0	.0	.0	.0	.0	.0	5.3	9.2
NW	.6	1.2	1.8	1.4	.2	.1	.0	.1	.0	.0	.0	5.5	9.2
NNW	.7	1.4	1.7	1.9	.8	.4	.1	.0	.0	.0	.0	6.9	10.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0
ALL	15.1	26.2	25.8	14.7	2.9	.6	.2	.1	.0	.0	.0	100.0	6.6

TOTAL NO. OF OBS : 1257

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

D13769 : OCEANA, VA
PERIOD OF RECORD : 1945-1987
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : DEC
HOUR : 1000 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.9	2.9	3.8	3.8	.8	.0	.0	.0	.0	.0	.0	12.2	9.2
NNE	.3	2.1	2.2	1.7	.5	.2	.1	.0	.0	.0	.0	7.0	9.7
NE	.6	1.3	1.6	.6	.0	.0	.0	.0	.0	.0	.0	4.1	7.2
ENE	.4	1.0	.9	1.0	.1	.0	.0	.0	.0	.0	.0	3.3	8.3
E	.2	1.2	1.4	.4	.0	.0	.0	.0	.0	.0	.0	3.1	7.3
ESE	.2	.6	.5	.5	.1	.0	.0	.0	.0	.0	.0	1.9	8.2
SE	.4	.7	.6	.3	.0	.0	.0	.0	.0	.0	.0	2.1	7.1
SSE	.3	.6	.7	.4	.0	.1	.0	.0	.0	.0	.0	2.1	7.9
S	.8	1.7	1.8	.6	.1	.0	.0	.0	.0	.0	.0	5.0	7.1
SSW	1.1	2.2	2.9	1.4	.3	.0	.0	.0	.0	.0	.0	7.9	7.7
SW	.5	1.9	3.3	1.9	.5	.0	.2	.0	.0	.0	.0	8.3	9.5
WSW	.7	2.2	3.5	2.2	.5	.0	.0	.0	.0	.0	.0	9.1	8.7
W	1.0	1.8	3.0	1.5	.5	.0	.0	.0	.0	.0	.0	7.9	8.4
WNW	.5	1.1	2.0	2.4	.6	.2	.0	.0	.0	.0	.0	6.8	10.5
NW	.7	.3	2.7	3.0	.5	.2	.0	.0	.0	.0	.0	7.5	11.0
NNW	.4	1.1	2.3	3.5	1.5	.2	.0	.0	.0	.0	.0	9.1	11.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	.0
ALL	9.0	22.9	33.2	25.2	5.9	.9	.2	.0	.0	.0	.0	100.0	8.9

TOTAL NO. OF OBS : 1259

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : DEC
CLASS : ALL WEATHER HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.6	2.7	3.9	3.8	.6	.2	.0	.0	.0	.0	.0	11.9	9.5
NNE	.4	1.5	1.8	1.4	.2	.0	.1	.0	.0	.0	.0	5.3	9.0
NE	.1	1.9	1.0	.7	.2	.1	.0	.0	.0	.0	.0	4.0	8.5
ENE	.4	1.3	.8	.6	.1	.0	.0	.0	.0	.0	.0	3.1	7.3
E	1.1	1.4	1.0	.5	.0	.0	.0	.0	.0	.0	.0	4.0	6.1
ESE	.5	1.0	.6	.2	.1	.0	.0	.0	.0	.0	.0	2.3	6.7
SE	.1	.7	.5	.3	.0	.1	.0	.0	.0	.0	.0	1.7	8.7
SSE	.3	1.0	1.2	.4	.2	.0	.0	.0	.0	.0	.0	3.1	8.0
S	1.0	1.4	1.8	.4	.1	.0	.0	.0	.0	.0	.0	4.6	6.5
SSW	.8	1.9	3.3	1.4	.2	.1	.0	.0	.0	.0	.0	7.7	8.2
SW	.6	1.5	2.9	3.2	.7	.2	.1	.0	.0	.0	.0	9.2	10.9
WSW	.3	1.7	3.3	3.3	.4	.2	.0	.0	.0	.0	.0	9.2	10.1
W	.2	1.1	3.3	2.5	.9	.1	.0	.0	.0	.0	.0	8.0	10.7
WNW	.2	.6	2.4	2.2	.5	.4	.0	.0	.0	.0	.0	6.1	12.0
NW	.3	1.0	2.3	2.5	.6	.1	.1	.0	.0	.0	.0	6.9	11.0
NNW	.4	1.4	4.5	4.4	.9	.1	.0	.0	.0	.0	.0	11.6	10.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0
ALL	7.4	21.8	34.6	27.6	5.7	1.4	.2	.0	.0	.0	.0	100.0	9.4

TOTAL NO. OF OBS : 1255

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : DEC
CLASS : ALL WEATHER HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.2	3.0	5.0	2.0	.3	.2	.0	.0	.0	.0	.0	11.8	8.4
NNE	1.2	2.3	2.2	.6	.2	.2	.0	.0	.0	.0	.0	6.5	7.2
NE	.8	.9	1.1	.6	.0	.0	.1	.0	.0	.0	.0	3.5	7.3
ENE	1.1	2.1	.6	.4	.0	.0	.0	.0	.0	.0	.0	4.2	5.5
E	1.4	2.5	.6	.4	.1	.1	.0	.0	.0	.0	.0	5.1	5.7
ESE	.6	1.2	.6	.2	.0	.0	.0	.0	.0	.0	.0	2.7	5.9
SE	.6	1.9	1.0	.3	.0	.0	.0	.0	.0	.0	.0	3.8	6.2
SSE	.4	1.7	1.1	.6	.2	.1	.0	.0	.0	.0	.0	4.0	8.2
S	.7	2.0	2.5	.6	.0	.0	.0	.0	.0	.0	.0	5.8	6.8
SSW	.2	2.2	2.7	.9	.1	.1	.0	.0	.0	.0	.0	6.2	8.0
SW	.8	1.8	2.9	1.6	.1	.1	.0	.0	.0	.0	.0	7.3	8.6
WSW	.3	1.6	2.7	1.1	.2	.1	.0	.0	.0	.0	.0	6.1	8.6
W	.3	2.8	3.0	1.7	.6	.0	.0	.0	.0	.0	.0	8.4	8.6
WNW	.1	1.2	2.5	1.8	.6	.1	.0	.0	.0	.0	.0	6.3	10.2
NW	.9	1.3	2.1	1.4	.5	.2	.0	.0	.0	.0	.0	6.3	9.4
NNW	.6	2.9	3.4	2.0	.4	.0	.0	.0	.0	.0	.0	9.4	8.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0
ALL	11.5	31.3	34.0	16.2	3.3	1.1	.1	.0	.0	.0	.0	100.0	7.8

TOTAL NO. OF OBS : 1238

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : DEC
CLASS : ALL WEATHER HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.5	3.1	2.8	1.5	.6	.1	.0	.0	.0	.0	.0	9.6	7.9
NNE	.6	1.4	1.5	.9	.3	.0	.0	.0	.0	.0	.0	4.6	7.7
NE	.3	.7	.9	.6	.0	.0	.0	.0	.0	.0	.0	2.4	8.0
ENE	.3	1.0	.1	.3	.1	.0	.0	.0	.0	.0	.0	1.9	6.5
E	1.0	.9	.3	.4	.2	.0	.0	.0	.0	.0	.0	2.8	6.1
ESE	.8	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	1.6	5.1
SE	.6	.7	.3	.4	.1	.0	.0	.0	.0	.0	.0	2.1	6.5
SSE	.9	3.5	.5	.2	.0	.0	.0	.0	.0	.0	.0	5.0	4.9
S	3.2	4.9	2.0	.6	.2	.0	.0	.0	.0	.0	.0	10.9	5.2
SSW	1.1	3.2	1.8	.6	.1	.0	.0	.0	.0	.0	.0	6.9	6.3
SW	2.1	2.1	2.5	.3	.1	.1	.1	.0	.0	.0	.0	7.2	6.5
WSW	1.3	2.4	1.3	.9	.3	.0	.0	.0	.0	.0	.0	6.2	6.5
W	1.9	1.7	1.0	.9	.3	.0	.0	.0	.0	.0	.0	5.7	6.5
WNW	.8	1.7	1.6	1.1	.2	.0	.0	.0	.0	.0	.0	5.3	7.9
NW	.8	.6	1.7	1.0	.4	.0	.0	.0	.0	.0	.0	4.5	8.7
NNW	.5	1.9	2.5	1.2	.5	.3	.0	.0	.0	.0	.0	7.0	9.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.3	.0
ALL	17.7	30.1	21.0	11.0	3.3	.4	.1	.0	.0	.0	.0	100.0	5.8

TOTAL NO. OF OBS : 1150

NOTES :
* = PERCENT < .05

013769 : OCEANA, VA
PERIOD OF RECORD : 1945-1987
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : DEC
HOUR : 2200 LST

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.2	3.0	3.0	1.5	.3	.2	.1	.0	.0	.0	.0	9.2	8.1
NNE	.4	1.3	1.8	.9	.4	.0	.0	.0	.0	.0	.0	4.9	8.6
NE	.7	.8	1.0	.2	.0	.0	.1	.0	.0	.0	.0	2.7	6.9
ENE	.3	.4	.5	.2	.1	.0	.0	.0	.0	.0	.0	1.5	7.7
E	.9	.7	.9	.3	.0	.0	.0	.0	.0	.0	.0	2.8	6.6
ESE	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.0	6.3
SE	.4	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	1.5	5.7
SSE	.6	1.1	.5	.1	.2	.1	.0	.0	.0	.0	.0	2.6	6.8
S	2.4	3.7	1.8	.5	.2	.1	.0	.0	.0	.0	.0	8.6	5.9
SSW	1.0	2.7	2.8	.6	.0	.1	.0	.0	.0	.0	.0	7.2	6.9
SW	2.7	3.1	2.9	1.1	.1	.0	.0	.0	.0	.0	.0	9.9	6.3
WSW	1.7	2.8	2.4	1.0	.2	.1	.0	.0	.0	.0	.0	8.2	6.8
W	1.7	1.7	1.5	1.0	.1	.0	.0	.0	.0	.0	.0	5.9	6.4
WNW	.8	1.0	.9	.8	.2	.0	.0	.0	.0	.0	.0	3.7	7.7
NW	.7	.9	1.7	1.7	.5	.2	.0	.0	.0	.0	.0	5.6	10.4
NNW	.5	1.4	1.4	2.4	.9	.1	.0	.0	.0	.0	.0	6.6	10.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.2	.0
ALL	16.3	25.4	23.6	12.4	3.1	.8	.2	.0	.0	.0	.0	100.0	6.1

TOTAL NO. OF OBS : 1146

NOTES :
* = PERCENT < .05

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : DEC
CLASS : ALL WEATHER HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	1.1	3.0	3.6	2.6	.4	.1	.0*	.0	.0	.0	.0	10.9	8.6
NNE	.7	1.8	2.0	1.0	.3	.1	.0*	.0	.0	.0	.0	5.9	8.3
NE	.4	1.1	1.0	.4	.1	.0*	.0*	.0*	.0	.0	.0	3.1	7.7
ENE	.4	.9	.6	.4	.1	.0	.0	.0	.0	.0	.0	2.3	7.1
E	.7	1.1	.7	.4	.1	.0*	.0	.0	.0	.0	.0	2.9	6.6
ESE	.4	.6	.4	.2	.0*	.0	.0	.0	.0	.0	.0	1.7	6.4
SE	.3	.8	.5	.3	.0*	.0*	.0	.0	.0	.0	.0	1.9	6.8
SSE	.4	1.2	.8	.3	.1	.1	.0	.0	.0	.0	.0	2.8	7.0
S	1.5	2.5	1.7	.5	.1	.0*	.0*	.0	.0	.0	.0	6.3	6.1
SSW	.9	2.4	2.5	.8	.1	.1	.0	.0	.0	.0	.0	6.8	7.3
SW	2.2	2.9	2.9	1.4	.3	.1	.0*	.0	.0	.0	.0	9.8	7.3
WSW	1.3	2.5	2.7	1.4	.2	.1	.0	.0	.0	.0	.0	8.1	7.6
W	1.2	2.0	2.3	1.3	.3	.0*	.0	.0	.0	.0	.0	7.1	7.8
WNW	.5	1.1	1.8	1.4	.3	.1	.0	.0	.0	.0	.0	5.3	9.4
NW	.7	.9	1.9	1.8	.5	.1	.0*	.0*	.0	.0	.0	5.9	10.1
NNW	.6	1.6	2.5	2.6	.8	.2	.0*	.0	.0	.0	.0	8.3	10.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.7	.0
ALL	13.3	26.3	28.1	16.8	3.6	.9	.2	.0*	.0	.0	.0	100.0	7.2

TOTAL NO. OF OBS : 9597

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

013769 : OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : ANN
CLASS : ALL WEATHER HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS) 1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL %	MEAN WIND SPEED
N	.9	2.0	2.9	1.8	.4	.1	.0*	.0	.0	.0	.0	8.0	8.8
NNE	.5	1.3	1.9	1.2	.2	.1	.0*	.0*	.0	.0	.0	5.3	8.8
NE	.6	1.4	1.9	1.0	.2	.0*	.0*	.0*	.0	.0	.0	5.0	8.2
ENE	.6	1.5	1.5	.7	.1	.0*	.0*	.0*	.0	.0	.0	4.4	7.5
E	1.1	2.0	1.7	.5	.1	.0*	.0*	.0	.0	.0	.0	5.4	6.5
ESE	.8	1.3	1.3	.4	.1	.0*	.0*	.0*	.0	.0	.0	3.9	6.7
SE	.9	1.5	1.3	.5	.1	.0*	.0*	.0	.0	.0	.0	4.3	6.7
SSE	1.0	1.5	1.1	.3	.1	.0*	.0*	.0	.0	.0	.0	4.0	6.1
S	1.6	2.7	1.7	.5	.1	.0*	.0*	.0	.0	.0	.0	6.7	6.0
SSW	.9	2.5	2.7	1.0	.2	.1	.0*	.0*	.0	.0	.0	7.4	7.5
SW	2.0	2.9	2.8	1.4	.3	.1	.0*	.0*	.0	.0	.0	9.5	7.3
WSW	1.4	2.1	2.1	1.0	.2	.1	.0*	.0	.0	.0	.0	6.8	7.2
W	1.0	1.5	1.5	.8	.2	.0*	.0*	.0	.0	.0	.0	5.1	7.4
WNW	.5	.8	1.0	.7	.2	.1	.0*	.0	.0	.0	.0	3.2	8.8
NW	.5	.8	1.2	1.1	.3	.1	.0*	.0*	.0	.0	.0	3.9	9.4
NNW	.6	1.2	2.0	1.7	.4	.1	.0*	.0*	.0	.0	.0	6.0	9.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8	.0
ALL	14.8	27.2	28.6	14.8	2.9	.8	.1	.0*	.0	.0	.0	100.0	6.8

TOTAL NO. OF OBS : 111686

NOTES :
* = PERCENT < .05

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : DEC
CLASS : ALL WEATHER — HOUR : 0100 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.5	53.2	55.1	55.9	56.6	56.8	56.9	56.9	56.9	57.4	57.6	57.6	57.7	57.7	57.8	58.1
>=20000	8.5	55.2	57.3	58.1	58.8	59.0	59.2	59.2	59.2	59.7	60.0	60.0	60.1	60.1	60.2	60.6
>=18000	8.5	55.2	57.3	58.1	58.8	59.0	59.2	59.2	59.2	59.7	60.0	60.0	60.1	60.1	60.2	60.6
>=16000	8.5	55.2	57.3	58.1	58.8	59.0	59.2	59.2	59.2	59.7	60.0	60.0	60.1	60.1	60.2	60.6
>=14000	8.7	55.6	57.7	58.5	59.3	59.4	59.6	59.6	59.6	60.1	60.4	60.4	60.6	60.6	60.7	61.0
>=12000	8.7	56.7	59.0	59.8	60.5	60.7	60.9	60.9	60.9	61.4	61.7	61.7	61.8	61.8	61.9	62.3
>=10000	9.0	60.1	62.6	63.4	64.2	64.4	64.7	64.7	64.7	65.2	65.5	65.5	65.7	65.7	65.7	66.1
>= 9000	9.1	60.6	63.1	64.0	64.8	64.9	65.2	65.2	65.2	65.7	66.0	66.0	66.2	66.2	66.3	66.6
>= 8000	9.1	64.1	66.7	67.8	68.8	69.0	69.2	69.2	69.2	69.8	70.0	70.0	70.2	70.2	70.4	70.7
>= 7000	9.3	65.3	68.1	69.1	70.1	70.3	70.6	70.7	70.7	71.3	71.5	71.5	71.7	71.7	71.9	72.2
>= 6000	9.3	66.1	69.0	70.1	71.1	71.4	71.7	71.8	71.8	72.3	72.6	72.6	72.8	72.8	73.0	73.3
>= 5000	9.7	67.3	70.4	71.6	72.7	73.0	73.3	73.4	73.4	73.9	74.2	74.2	74.4	74.4	74.6	74.9
>= 4500	9.7	67.7	70.7	72.0	73.0	73.3	73.7	73.8	73.8	74.3	74.6	74.6	74.7	74.7	74.9	75.3
>= 4000	10.0	69.2	72.5	73.8	75.0	75.3	75.6	75.7	75.7	76.2	76.5	76.5	76.7	76.7	76.9	77.2
>= 3500	10.1	70.1	73.4	74.9	76.1	76.3	76.7	76.8	76.8	77.3	77.6	77.6	77.8	77.8	77.9	78.3
>= 3000	10.2	71.9	75.4	77.0	78.1	78.5	78.8	78.9	78.9	79.4	79.7	79.7	79.9	79.9	80.2	80.5
>= 2500	10.3	73.1	76.8	78.5	79.7	80.1	80.4	80.5	80.5	81.0	81.3	81.3	81.5	81.5	81.8	82.1
>= 2000	10.5	75.0	79.1	81.0	82.3	82.7	83.1	83.2	83.2	83.7	84.0	84.0	84.2	84.2	84.4	84.8
>= 1800	10.5	75.2	79.3	81.1	82.6	83.0	83.4	83.5	83.5	84.0	84.3	84.3	84.4	84.4	84.7	85.1
>= 1500	10.5	76.1	80.5	82.7	84.3	84.7	85.2	85.3	85.3	85.9	86.2	86.2	86.4	86.4	86.7	87.0
>= 1200	10.5	76.6	81.3	83.8	85.5	85.9	86.6	86.7	86.7	87.4	87.6	87.6	87.8	87.8	88.1	88.4
>= 1000	10.5	77.0	82.0	85.0	86.7	87.2	88.0	88.2	88.2	88.8	89.1	89.1	89.2	89.2	89.6	89.9
>= 900	10.5	77.1	82.2	85.2	87.1	87.5	88.5	88.7	88.7	89.3	89.6	89.6	89.8	89.8	90.1	90.5
>= 800	10.6	77.3	82.6	85.7	87.6	88.2	89.1	89.3	89.3	89.9	90.2	90.2	90.4	90.4	90.7	91.1
>= 700	10.6	77.4	83.0	86.2	88.4	89.1	90.1	90.3	90.3	90.9	91.3	91.3	91.5	91.5	91.8	92.2
>= 600	10.6	77.5	83.3	86.5	88.9	89.5	90.8	91.0	91.0	91.6	92.0	92.0	92.2	92.2	92.5	92.9
>= 500	10.6	77.7	83.6	87.2	89.8	90.6	92.2	92.3	92.3	93.0	93.3	93.3	93.5	93.5	93.9	94.2
>= 400	10.6	77.8	83.8	87.4	90.1	91.0	93.0	93.2	93.3	94.0	94.3	94.3	94.5	94.5	94.8	95.3
>= 300	10.6	77.8	83.9	87.9	91.0	91.9	94.3	94.6	94.7	95.6	95.9	95.9	96.2	96.2	96.5	97.1
>= 200	10.6	77.8	83.9	88.0	91.3	92.3	95.0	95.3	95.4	96.4	96.8	96.9	97.2	97.2	97.6	98.2
>= 100	10.6	77.8	83.9	88.0	91.4	92.4	95.1	95.4	95.5	96.5	96.9	97.0	97.4	97.4	98.0	98.7
>= 0	10.6	77.8	83.9	88.0	91.4	92.4	95.1	95.4	95.5	96.6	97.0	97.1	97.6	97.6	98.5	100.0

TOTAL NO. OF OBS : 1124

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : DEC
CLASS : ALL WEATHER — HOUR : 0400 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.6	50.5	53.6	55.0	55.7	55.7	55.9	55.9	55.9	56.4	56.5	56.5	56.6	56.6	56.7	56.9
>=20000	8.7	53.1	56.3	57.6	58.3	58.3	58.6	58.7	58.7	59.1	59.2	59.2	59.3	59.4	59.5	59.7
>=18000	8.7	53.1	56.3	57.6	58.3	58.3	58.6	58.7	58.7	59.1	59.2	59.2	59.3	59.4	59.5	59.7
>=16000	8.7	53.1	56.3	57.6	58.3	58.3	58.6	58.7	58.7	59.1	59.2	59.2	59.3	59.4	59.5	59.7
>=14000	8.7	53.3	56.6	57.9	58.6	58.6	58.9	59.1	59.1	59.5	59.6	59.6	59.7	59.8	59.9	60.0
>=12000	8.7	54.2	57.7	59.1	59.8	59.8	60.0	60.2	60.2	60.7	60.7	60.7	60.8	60.9	61.0	61.2
>=10000	9.2	57.6	61.4	62.8	63.5	63.5	63.8	64.0	64.0	64.4	64.5	64.5	64.6	64.7	64.8	64.9
>= 9000	9.2	58.1	61.8	63.2	64.0	64.0	64.2	64.4	64.4	64.9	64.9	64.9	65.0	65.1	65.2	65.4
>= 8000	9.3	61.4	66.0	67.7	68.5	68.5	68.8	69.0	69.0	69.4	69.5	69.5	69.6	69.7	69.8	69.9
>= 7000	9.3	62.8	67.4	69.1	69.9	69.9	70.2	70.5	70.5	71.0	71.1	71.1	71.2	71.3	71.4	71.5
>= 6000	9.3	63.3	68.1	69.8	70.7	70.7	71.0	71.3	71.3	71.8	71.9	71.9	72.0	72.1	72.2	72.3
>= 5000	9.3	64.1	69.1	71.1	72.0	72.0	72.3	72.5	72.5	73.1	73.1	73.1	73.2	73.3	73.4	73.6
>= 4500	9.3	64.4	69.4	71.4	72.3	72.3	72.5	72.8	72.8	73.3	73.4	73.4	73.5	73.6	73.7	73.9
>= 4000	9.5	66.6	72.0	74.3	75.3	75.3	75.6	75.8	75.8	76.4	76.4	76.4	76.5	76.6	76.7	76.9
>= 3500	9.5	67.4	72.8	75.1	76.1	76.1	76.4	76.6	76.6	77.2	77.3	77.3	77.3	77.4	77.5	77.7
>= 3000	9.7	68.9	74.5	77.2	78.1	78.1	78.4	78.7	78.7	79.2	79.3	79.3	79.4	79.5	79.6	79.8
>= 2500	9.9	70.3	76.1	78.9	80.0	80.0	80.4	80.6	80.6	81.2	81.3	81.3	81.4	81.5	81.6	81.8
>= 2000	9.9	72.3	78.3	81.2	82.7	82.7	83.1	83.4	83.4	83.9	84.0	84.0	84.2	84.3	84.4	84.6
>= 1800	9.9	72.4	78.5	81.4	83.0	83.0	83.4	83.7	83.7	84.2	84.3	84.3	84.5	84.6	84.7	84.8
>= 1500	9.9	73.2	79.6	82.7	84.2	84.3	84.9	85.3	85.3	85.8	85.9	85.9	86.1	86.2	86.3	86.4
>= 1200	9.9	73.6	80.0	83.3	85.0	85.1	85.7	86.1	86.1	86.6	86.7	86.7	86.9	87.0	87.1	87.2
>= 1000	9.9	74.2	81.0	84.6	86.4	86.5	87.2	87.5	87.5	88.0	88.1	88.2	88.4	88.5	88.6	88.8
>= 900	9.9	74.3	81.3	84.9	86.8	86.9	87.5	87.9	87.9	88.5	88.6	88.7	88.8	88.9	89.0	89.2
>= 800	9.9	74.8	81.9	85.8	87.7	87.8	88.6	88.9	88.9	89.6	89.7	89.7	89.9	90.0	90.1	90.3
>= 700	9.9	75.1	82.8	87.0	88.8	89.0	89.9	90.4	90.5	91.1	91.2	91.3	91.4	91.5	91.6	91.8
>= 600	9.9	75.3	83.1	87.3	89.4	89.7	90.6	91.1	91.2	91.8	91.9	92.0	92.1	92.2	92.3	92.5
>= 500	9.9	75.5	83.3	87.8	89.9	90.2	91.3	91.8	91.9	92.6	92.7	92.9	93.0	93.1	93.2	93.4
>= 400	9.9	75.6	83.5	88.0	90.3	90.5	92.1	92.6	92.7	93.4	93.6	93.8	93.9	94.0	94.1	94.3
>= 300	9.9	75.6	83.5	88.2	90.5	90.9	92.9	93.6	93.7	94.6	94.9	95.1	95.5	95.5	95.7	95.9
>= 200	9.9	75.6	83.5	88.2	90.6	91.0	93.2	93.9	94.1	95.1	95.5	95.7	96.3	96.4	96.7	97.1
>= 100	9.9	75.6	83.5	88.2	90.6	91.0	93.2	94.1	94.3	95.5	96.3	96.4	97.2	97.3	97.8	98.3
>= 0	9.9	75.6	83.5	88.2	90.6	91.0	93.2	94.1	94.3	95.6	96.3	96.5	97.3	97.4	98.1	100.0

TOTAL NO. OF OBS : 1121

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : DEC
CLASS : ALL WEATHER — HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	4.6	38.1	41.8	43.7	45.5	46.2	47.6	48.0	48.3	48.7	49.2	49.2	49.4	49.4	49.6	50.1
>=20000	4.6	40.1	43.9	46.0	48.0	48.7	50.2	50.6	50.9	51.3	51.8	51.8	52.0	52.0	52.4	52.9
>=18000	4.6	40.2	43.9	46.1	48.0	48.8	50.2	50.7	51.0	51.4	51.9	51.9	52.1	52.1	52.5	52.9
>=16000	4.6	40.2	43.9	46.1	48.0	48.8	50.2	50.7	51.0	51.4	51.9	51.9	52.1	52.1	52.5	52.9
>=14000	4.7	40.7	44.4	46.6	48.6	49.3	50.8	51.2	51.6	52.0	52.5	52.5	52.8	52.8	53.1	53.6
>=12000	5.2	43.0	46.9	49.0	51.1	51.8	53.4	53.8	54.1	54.6	55.1	55.1	55.3	55.3	55.6	56.2
>=10000	5.3	46.7	51.0	53.6	55.9	56.7	58.3	58.8	59.2	59.7	60.2	60.3	60.6	60.6	60.9	61.5
>= 9000	5.3	46.7	51.1	53.7	56.0	56.8	58.4	58.9	59.2	59.8	60.3	60.4	60.6	60.6	61.0	61.6
>= 8000	5.7	50.1	54.9	57.8	60.1	60.9	62.6	63.3	63.7	64.2	64.7	64.8	65.1	65.2	65.5	66.2
>= 7000	5.8	51.1	56.1	59.1	61.5	62.4	64.2	65.0	65.3	65.9	66.4	66.4	66.8	66.9	67.2	67.8
>= 6000	5.9	51.7	56.8	59.8	62.3	63.3	65.1	65.8	66.1	66.7	67.2	67.3	67.6	67.7	68.0	68.7
>= 5000	5.9	52.5	57.9	60.9	63.3	64.3	66.1	66.9	67.2	67.8	68.2	68.3	68.7	68.7	69.1	69.7
>= 4500	5.9	53.0	58.3	61.4	63.9	64.9	66.7	67.4	67.8	68.3	68.8	68.9	69.2	69.3	69.6	70.3
>= 4000	6.0	55.2	61.2	64.3	67.1	68.2	70.0	70.8	71.1	71.7	72.2	72.3	72.6	72.7	73.0	73.6
>= 3500	6.0	56.0	62.1	65.4	68.2	69.2	71.2	72.0	72.3	72.9	73.4	73.5	73.8	73.9	74.2	74.9
>= 3000	6.1	58.3	65.1	68.5	71.4	72.4	74.5	75.3	75.6	76.2	76.7	76.8	77.1	77.2	77.5	78.2
>= 2500	6.3	59.7	66.8	70.5	73.5	74.5	76.6	77.4	77.7	78.3	78.8	78.9	79.2	79.3	79.6	80.3
>= 2000	6.4	61.6	69.1	73.2	76.3	77.4	79.5	80.3	80.6	81.3	81.8	81.8	82.2	82.2	82.6	83.2
>= 1800	6.4	61.7	69.3	73.4	76.5	77.7	79.9	80.7	81.0	81.7	82.2	82.2	82.6	82.7	83.0	83.6
>= 1500	6.4	62.6	70.4	74.7	78.1	79.2	81.4	82.2	82.6	83.2	83.7	83.8	84.1	84.2	84.5	85.3
>= 1200	6.4	63.1	71.0	75.5	79.1	80.2	82.4	83.3	83.6	84.3	84.8	84.9	85.2	85.3	85.6	86.3
>= 1000	6.4	63.7	71.6	76.2	79.9	81.1	83.5	84.5	84.8	85.4	86.0	86.1	86.4	86.5	86.8	87.6
>= 900	6.4	63.7	71.8	76.5	80.2	81.4	83.9	84.9	85.2	85.8	86.4	86.5	86.8	86.9	87.2	88.0
>= 800	6.4	64.2	72.3	77.2	81.1	82.3	84.9	86.0	86.4	87.2	87.9	88.0	88.3	88.4	88.7	89.4
>= 700	6.5	64.4	72.6	77.5	81.7	83.1	85.8	87.0	87.4	88.3	89.0	89.0	89.4	89.4	89.8	90.5
>= 600	6.5	64.6	73.2	78.3	82.5	83.9	86.7	88.0	88.4	89.3	89.9	90.0	90.4	90.5	90.8	91.6
>= 500	6.5	65.0	73.9	79.1	83.5	84.9	87.8	89.4	89.8	90.8	91.6	91.7	92.1	92.1	92.5	93.2
>= 400	6.5	65.1	74.1	79.7	84.4	85.8	89.0	90.6	91.0	92.4	93.1	93.2	93.7	93.9	94.2	94.9
>= 300	6.5	65.1	74.1	79.7	84.5	86.0	89.8	91.3	91.8	93.5	94.3	94.4	94.9	95.1	95.4	96.2
>= 200	6.5	65.1	74.1	79.7	84.7	86.2	90.0	91.6	92.1	93.9	95.1	95.2	95.9	96.1	96.4	97.5
>= 100	6.5	65.1	74.1	79.7	84.7	86.2	90.2	91.7	92.2	94.2	95.5	95.6	96.6	96.7	97.3	98.4
>= 0	6.5	65.1	74.1	79.7	84.7	86.2	90.2	91.7	92.2	94.2	95.6	95.7	96.7	97.0	97.7	100.0

TOTAL NO. OF OBS : 1222

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : DEC
CLASS : ALL WEATHER — HOUR : 1000 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES) >=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	6.2	42.0	44.6	46.8	48.5	48.7	48.9	49.0	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3
>=20000	6.3	45.7	48.8	51.1	52.9	53.1	53.3	53.4	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7
>=18000	6.3	45.9	49.0	51.4	53.2	53.3	53.6	53.7	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9
>=16000	6.3	45.9	49.0	51.5	53.3	53.4	53.7	53.7	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0
>=14000	6.4	46.6	49.7	52.1	53.9	54.1	54.3	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
>=12000	6.6	48.0	51.1	53.7	55.7	55.9	56.2	56.3	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5
>=10000	6.7	51.9	55.4	58.3	60.2	60.5	60.8	60.9	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2
>= 9000	6.8	52.7	56.3	59.3	61.3	61.5	62.0	62.1	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4
>= 8000	7.0	56.7	61.3	64.5	66.7	67.0	67.5	67.6	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0
>= 7000	7.1	57.7	62.4	65.8	68.0	68.3	68.8	68.9	69.0	69.2	69.3	69.3	69.3	69.3	69.3	69.3
>= 6000	7.2	58.5	63.3	66.7	69.0	69.3	69.8	69.9	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2
>= 5000	7.4	60.1	65.3	68.8	71.1	71.5	72.0	72.2	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5
>= 4500	7.4	60.4	65.6	69.3	71.6	72.0	72.5	72.7	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0
>= 4000	7.4	61.7	67.0	70.8	73.4	73.9	74.4	74.6	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0
>= 3500	7.5	62.5	67.8	71.7	74.4	74.9	75.4	75.6	75.7	75.9	76.0	76.0	76.0	76.0	76.0	76.0
>= 3000	7.6	64.8	70.4	74.5	77.5	78.0	78.5	78.9	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.3
>= 2500	7.6	66.1	72.0	76.3	79.4	80.0	80.5	80.8	80.9	81.2	81.3	81.3	81.3	81.3	81.4	81.4
>= 2000	7.6	67.5	73.5	77.9	81.4	82.0	82.4	82.8	82.8	83.2	83.3	83.3	83.3	83.3	83.3	83.3
>= 1800	7.6	67.8	73.9	78.4	81.9	82.4	83.0	83.3	83.4	83.7	83.8	83.8	83.8	83.8	83.9	83.9
>= 1500	7.6	68.9	75.0	80.0	83.8	84.5	85.1	85.4	85.5	85.9	85.9	85.9	85.9	85.9	86.0	86.0
>= 1200	7.6	69.3	75.4	80.5	84.5	85.3	85.9	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.8	86.8
>= 1000	7.7	69.9	76.2	81.2	85.4	86.2	86.9	87.4	87.5	87.9	88.0	88.0	88.1	88.1	88.2	88.2
>= 900	7.7	69.9	76.4	81.5	85.9	86.8	87.6	88.0	88.1	88.7	88.9	88.9	88.9	88.9	89.0	89.0
>= 800	7.7	70.0	76.7	82.1	86.5	87.6	88.4	88.9	89.0	89.7	89.8	89.8	90.0	90.0	90.1	90.1
>= 700	7.8	70.2	77.1	82.8	87.3	88.4	89.3	90.2	90.2	91.0	91.1	91.1	91.3	91.3	91.4	91.4
>= 600	7.8	70.4	77.4	83.2	87.9	89.1	90.2	91.3	91.4	92.3	92.6	92.6	92.8	92.8	92.8	92.8
>= 500	7.8	70.6	77.8	83.7	88.7	90.1	91.5	92.7	92.8	93.7	94.1	94.1	94.4	94.4	94.5	94.5
>= 400	7.8	70.7	77.9	84.1	89.2	90.9	92.8	94.4	94.5	95.6	96.1	96.1	96.3	96.3	96.4	96.4
>= 300	7.8	70.7	77.9	84.1	89.3	91.1	93.4	95.2	95.4	97.2	97.8	97.8	98.2	98.2	98.3	98.3
>= 200	7.8	70.7	77.9	84.1	89.3	91.3	93.7	95.6	95.9	97.8	98.6	98.7	99.1	99.2	99.3	99.3
>= 100	7.8	70.7	77.9	84.1	89.3	91.3	93.7	95.6	95.9	98.0	98.9	98.9	99.3	99.5	99.8	99.9
>= 0	7.8	70.7	77.9	84.1	89.3	91.3	93.7	95.6	95.9	98.0	98.9	98.9	99.3	99.5	99.8	100.0

TOTAL NO. OF OBS : 1230

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : DEC
CLASS : ALL WEATHER — HOUR : 1300 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	8.5	45.0	47.1	47.5	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3
>=20000	9.1	51.4	53.8	54.4	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3
>=18000	9.2	51.8	54.3	54.9	55.4	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8
>=16000	9.3	52.0	54.5	55.1	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0
>=14000	9.5	53.0	55.6	56.2	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1
>=12000	9.5	53.8	56.8	57.3	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4
>=10000	9.5	57.0	60.0	60.8	61.7	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1
>= 9000	9.5	57.5	60.5	61.3	62.2	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6
>= 8000	9.7	61.7	65.0	66.1	67.0	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4
>= 7000	9.7	63.1	66.5	67.6	68.5	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9
>= 6000	9.7	63.8	67.5	68.6	69.5	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9
>= 5000	9.7	64.8	68.5	69.5	70.5	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0
>= 4500	9.8	65.5	69.2	70.4	71.3	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8
>= 4000	9.8	67.2	70.9	72.4	73.5	73.6	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0
>= 3500	9.9	68.6	72.6	74.1	75.2	75.4	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
>= 3000	10.1	70.8	75.2	77.1	78.1	78.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8
>= 2500	10.2	72.6	77.3	79.2	80.5	80.8	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2
>= 2000	10.3	74.7	79.4	81.5	83.0	83.3	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9
>= 1800	10.3	74.9	79.7	81.7	83.2	83.5	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1
>= 1500	10.3	76.2	81.5	83.8	85.8	86.2	86.6	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.1
>= 1200	10.3	76.7	82.1	84.6	86.8	87.2	87.7	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.2
>= 1000	10.3	77.4	83.0	85.9	88.3	88.9	89.4	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	90.0
>= 900	10.3	77.8	83.5	86.7	89.1	89.8	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.1
>= 800	10.4	77.9	83.6	87.0	89.6	90.3	90.8	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.9
>= 700	10.4	78.1	83.9	87.6	90.7	91.4	92.0	92.7	92.8	93.2	93.2	93.2	93.2	93.3	93.3	93.4
>= 600	10.5	78.4	84.4	88.0	91.3	92.1	92.7	93.5	93.6	94.0	94.0	94.0	94.1	94.2	94.2	94.3
>= 500	10.5	78.5	84.6	88.5	91.9	92.6	93.8	94.7	94.8	95.2	95.3	95.3	95.4	95.5	95.5	95.6
>= 400	10.5	78.5	84.6	88.6	92.5	93.2	94.4	95.6	95.7	96.4	96.5	96.5	96.6	96.6	96.6	96.7
>= 300	10.5	78.5	84.6	88.8	92.8	93.6	94.9	96.3	96.5	97.9	98.1	98.1	98.4	98.5	98.5	98.6
>= 200	10.5	78.5	84.6	88.8	92.8	93.6	95.0	96.6	96.8	98.4	98.8	98.8	99.0	99.2	99.3	99.3
>= 100	10.5	78.5	84.6	88.8	92.8	93.6	95.0	96.6	96.8	98.4	99.0	99.0	99.3	99.4	99.8	99.8
>= 0	10.5	78.5	84.6	88.8	92.8	93.6	95.0	96.6	96.8	98.4	99.0	99.0	99.3	99.4	99.8	100.0

TOTAL NO. OF OBS : 1221

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : DEC
CLASS : ALL WEATHER — HOUR : 1600 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	VISIBILITY (STATUTE MILES)															
CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.7	46.7	48.2	49.0	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
>=20000	8.0	51.6	53.4	54.3	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
>=18000	8.1	51.9	53.7	54.6	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
>=16000	8.1	52.0	53.8	54.7	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
>=14000	8.2	53.3	55.1	56.0	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
>=12000	8.4	55.4	57.3	58.4	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
>=10000	8.4	58.6	60.7	61.8	62.9	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
>= 9000	8.4	58.9	61.0	62.2	63.3	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
>= 8000	8.4	62.6	65.2	66.5	67.6	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
>= 7000	8.4	63.9	66.7	68.2	69.4	69.7	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
>= 6000	8.6	65.3	68.1	69.6	70.8	71.1	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
>= 5000	8.6	66.2	69.2	71.1	72.4	72.7	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
>= 4500	8.7	67.2	70.3	72.2	73.6	73.8	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2
>= 4000	8.7	68.9	72.3	74.4	76.0	76.4	76.6	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8
>= 3500	8.7	69.6	73.4	75.5	77.1	77.6	77.7	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1
>= 3000	9.0	72.2	76.5	78.6	80.2	80.7	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2
>= 2500	9.0	73.6	78.1	80.3	82.0	82.6	82.8	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1
>= 2000	9.0	75.1	79.7	82.1	84.0	84.6	84.8	85.0	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2
>= 1800	9.0	75.1	79.7	82.1	84.1	84.7	84.9	85.1	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3
>= 1500	9.1	76.2	81.2	83.9	86.0	86.5	86.9	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5
>= 1200	9.1	76.6	81.7	84.5	87.0	87.7	88.1	88.6	88.6	88.8	88.9	88.9	89.0	89.0	89.0	89.0
>= 1000	9.1	77.0	82.1	85.3	87.9	88.5	89.0	89.5	89.5	89.7	89.9	89.9	89.9	89.9	89.9	89.9
>= 900	9.1	77.1	82.2	85.5	88.1	88.9	89.5	90.0	90.0	90.3	90.4	90.4	90.5	90.5	90.5	90.5
>= 800	9.1	77.6	82.9	86.3	89.0	89.8	90.6	91.3	91.3	91.6	91.8	91.8	91.9	91.9	91.9	91.9
>= 700	9.1	77.6	83.0	86.6	89.5	90.4	91.2	91.9	91.9	92.4	92.5	92.5	92.6	92.6	92.6	92.6
>= 600	9.1	77.6	83.2	87.0	90.3	91.4	92.3	93.1	93.1	93.6	93.8	93.8	94.0	94.0	94.0	94.0
>= 500	9.1	77.6	83.2	87.1	90.7	91.9	93.1	94.3	94.3	95.1	95.3	95.4	95.7	95.7	95.7	95.7
>= 400	9.1	77.7	83.3	87.3	91.0	92.4	93.8	95.1	95.1	96.2	96.5	96.6	96.8	96.8	96.8	96.8
>= 300	9.1	77.7	83.4	87.4	91.2	92.8	94.4	95.8	95.8	97.0	97.3	97.4	97.8	97.8	97.8	97.9
>= 200	9.1	77.7	83.4	87.4	91.3	92.9	94.7	96.0	96.1	97.3	97.8	97.9	98.9	98.9	99.0	99.1
>= 100	9.1	77.7	83.4	87.4	91.3	92.9	94.7	96.1	96.2	97.4	97.9	98.1	99.3	99.3	99.4	99.5
>= 0	9.1	77.7	83.4	87.4	91.3	92.9	94.7	96.1	96.2	97.4	97.9	98.1	99.3	99.3	99.6	100.0

TOTAL NO. OF OBS : 1203

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : DEC
CLASS : ALL WEATHER — HOUR : 1900 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.5	50.3	51.6	52.7	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
>=20000	7.5	53.6	55.0	56.3	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
>=18000	7.5	53.6	55.0	56.3	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
>=16000	7.5	53.6	55.1	56.4	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
>=14000	7.7	54.4	55.8	57.2	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
>=12000	7.9	55.7	57.2	58.6	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
>=10000	8.2	59.6	61.4	62.9	63.8	63.9	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2
>= 9000	8.2	59.9	61.7	63.2	64.1	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
>= 8000	8.2	64.6	66.8	68.5	69.4	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
>= 7000	8.2	65.7	68.0	69.7	70.6	70.7	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
>= 6000	8.2	66.6	68.9	70.6	71.5	71.6	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0
>= 5000	8.3	67.5	69.8	71.7	72.6	72.7	73.1	73.1	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3
>= 4500	8.4	67.8	70.3	72.2	73.1	73.2	73.6	73.6	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8
>= 4000	8.6	69.7	72.6	74.5	75.5	75.6	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2
>= 3500	8.6	70.6	73.8	75.8	76.9	77.0	77.4	77.4	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6
>= 3000	8.7	73.0	76.3	78.8	80.1	80.2	80.6	80.6	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8
>= 2500	8.7	74.3	77.9	80.9	82.2	82.3	82.7	82.7	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9
>= 2000	8.7	76.3	80.6	83.5	84.8	84.9	85.3	85.4	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6
>= 1800	8.8	76.6	81.0	84.0	85.2	85.3	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
>= 1500	8.9	77.5	81.9	85.1	86.3	86.4	86.9	87.0	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2
>= 1200	8.9	77.9	82.4	86.0	87.2	87.4	87.9	88.0	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2
>= 1000	8.9	78.3	83.1	86.7	88.5	88.7	89.4	89.6	89.6	89.6	89.7	89.7	89.8	89.8	89.8	89.8
>= 900	8.9	78.3	83.1	86.7	88.6	88.8	89.5	89.6	89.6	89.7	89.8	89.8	90.0	90.0	90.0	90.0
>= 800	8.9	78.5	83.5	87.2	89.1	89.5	90.2	90.4	90.4	90.5	90.6	90.6	90.8	90.8	90.8	90.8
>= 700	8.9	78.8	83.8	87.7	89.6	90.1	90.8	91.2	91.2	91.3	91.4	91.4	91.6	91.6	91.6	91.6
>= 600	8.9	78.8	84.2	88.6	90.8	91.3	92.3	92.7	92.7	92.9	93.1	93.1	93.2	93.2	93.2	93.2
>= 500	8.9	78.9	84.4	89.3	91.6	92.5	93.8	94.2	94.2	94.5	94.7	94.7	95.0	95.0	95.0	95.0
>= 400	8.9	79.1	84.7	89.6	92.2	93.2	95.0	95.6	95.6	96.0	96.2	96.2	96.6	96.6	96.6	96.6
>= 300	8.9	79.1	84.7	89.6	92.3	93.2	95.6	96.2	96.2	96.8	96.9	96.9	97.5	97.5	97.5	97.5
>= 200	8.9	79.2	84.8	89.7	92.5	93.6	96.0	97.0	97.0	97.7	97.9	97.9	98.6	98.6	98.6	98.6
>= 100	8.9	79.2	84.8	89.7	92.5	93.6	96.1	97.2	97.2	97.9	98.3	98.3	99.1	99.1	99.4	99.5
>= 0	8.9	79.2	84.8	89.7	92.5	93.6	96.1	97.2	97.2	97.9	98.3	98.3	99.2	99.2	99.5	100.0

TOTAL NO. OF OBS : 1111

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : DEC
CLASS : ALL WEATHER — HOUR : 2200 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.6	51.7	53.3	54.1	54.5	54.5	54.7	54.8	54.9	55.2	55.2	55.2	55.3	55.3	55.3	55.4
>=20000	7.8	54.2	55.9	56.9	57.3	57.3	57.6	57.7	57.7	58.1	58.1	58.1	58.2	58.2	58.2	58.3
>=18000	7.8	54.2	55.9	56.9	57.3	57.3	57.6	57.7	57.7	58.1	58.1	58.1	58.2	58.2	58.2	58.3
>=16000	7.8	54.2	56.0	56.9	57.4	57.4	57.7	57.7	57.8	58.2	58.2	58.2	58.3	58.3	58.3	58.4
>=14000	7.8	54.5	56.3	57.3	57.7	57.7	58.0	58.1	58.2	58.5	58.5	58.5	58.6	58.6	58.6	58.7
>=12000	7.8	56.0	57.7	58.7	59.2	59.2	59.4	59.5	59.6	60.0	60.0	60.0	60.1	60.1	60.1	60.1
>=10000	8.2	60.8	62.8	63.9	64.4	64.4	64.7	64.8	64.9	65.2	65.3	65.3	65.4	65.4	65.4	65.5
>= 9000	8.3	61.1	63.3	64.4	64.9	64.9	65.2	65.3	65.4	65.7	65.8	65.8	65.9	65.9	65.9	66.0
>= 8000	8.8	65.7	67.8	69.2	69.8	69.8	70.1	70.2	70.3	70.7	70.8	70.8	70.9	70.9	70.9	71.1
>= 7000	8.9	66.6	68.9	70.6	71.2	71.2	71.5	71.6	71.7	72.2	72.2	72.2	72.3	72.3	72.3	72.5
>= 6000	9.1	67.3	69.5	71.2	71.8	71.8	72.2	72.3	72.4	72.9	73.0	73.0	73.0	73.0	73.0	73.2
>= 5000	9.3	68.2	70.6	72.5	73.1	73.1	73.6	73.7	73.8	74.2	74.3	74.3	74.4	74.4	74.4	74.6
>= 4500	9.4	68.8	71.1	73.2	73.8	73.8	74.3	74.4	74.5	74.9	75.0	75.0	75.1	75.1	75.1	75.3
>= 4000	9.6	70.7	73.1	75.4	76.2	76.2	76.6	76.7	76.8	77.2	77.3	77.3	77.4	77.4	77.4	77.6
>= 3500	9.7	71.9	74.6	77.0	77.8	77.8	78.2	78.3	78.4	78.8	78.9	78.9	79.0	79.0	79.0	79.2
>= 3000	10.0	73.9	77.1	79.4	80.3	80.3	80.8	80.9	81.0	81.4	81.5	81.5	81.6	81.6	81.6	81.8
>= 2500	10.2	75.2	78.8	81.1	82.1	82.2	82.7	82.8	82.9	83.4	83.5	83.5	83.5	83.5	83.5	83.7
>= 2000	10.2	76.9	80.9	83.4	84.4	84.5	85.1	85.1	85.2	85.7	85.8	85.8	85.9	85.9	85.9	86.0
>= 1800	10.2	77.0	81.0	83.5	84.6	84.7	85.2	85.3	85.4	85.9	85.9	85.9	86.0	86.0	86.0	86.2
>= 1500	10.2	78.2	82.4	85.5	86.7	86.8	87.4	87.5	87.5	88.1	88.2	88.2	88.3	88.3	88.3	88.4
>= 1200	10.2	78.4	82.8	86.1	87.4	87.5	88.2	88.3	88.3	88.9	89.0	89.0	89.1	89.1	89.1	89.2
>= 1000	10.2	78.6	83.4	86.7	88.1	88.3	89.0	89.1	89.1	89.7	89.8	89.8	89.9	89.9	89.9	90.0
>= 900	10.2	78.8	83.5	87.0	88.4	88.7	89.5	89.6	89.7	90.3	90.4	90.4	90.5	90.5	90.5	90.7
>= 800	10.2	79.1	83.9	87.6	89.1	89.5	90.3	90.4	90.5	91.2	91.3	91.3	91.4	91.4	91.4	91.5
>= 700	10.2	79.4	84.6	88.6	90.3	90.7	91.6	91.7	91.8	92.6	92.7	92.7	92.8	92.8	92.8	93.0
>= 600	10.2	79.5	85.0	89.1	90.9	91.5	92.3	92.4	92.6	93.4	93.5	93.5	93.6	93.6	93.6	93.8
>= 500	10.2	79.6	85.1	89.7	91.5	92.3	93.1	93.2	93.4	94.3	94.5	94.5	94.6	94.6	94.6	94.8
>= 400	10.2	79.6	85.3	89.9	92.3	93.1	94.2	94.6	94.8	95.7	95.9	95.9	96.0	96.0	96.0	96.3
>= 300	10.2	79.6	85.4	90.1	92.7	93.6	95.1	95.6	95.8	97.1	97.2	97.2	97.3	97.3	97.3	97.6
>= 200	10.2	79.6	85.4	90.1	92.8	93.9	95.5	96.3	96.4	97.9	98.1	98.1	98.2	98.2	98.4	98.8
>= 100	10.2	79.6	85.4	90.1	92.9	94.0	95.6	96.4	96.6	98.0	98.3	98.3	98.5	98.5	98.9	99.3
>= 0	10.2	79.6	85.4	90.1	92.9	94.0	95.6	96.4	96.6	98.0	98.4	98.4	98.6	98.6	99.2	100.0

TOTAL NO. OF OBS : 1124

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : DEC
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.4	47.0	49.2	50.4	51.3	51.5	51.8	51.9	51.9	52.2	52.3	52.3	52.3	52.4	52.4	52.5
>=20000	7.5	50.4	52.9	54.2	55.2	55.4	55.7	55.8	55.8	56.1	56.2	56.2	56.3	56.3	56.3	56.5
>=18000	7.6	50.6	53.0	54.4	55.3	55.5	55.8	55.9	56.0	56.2	56.3	56.3	56.4	56.4	56.5	56.6
>=16000	7.6	50.6	53.1	54.4	55.4	55.6	55.9	56.0	56.1	56.3	56.4	56.4	56.5	56.5	56.6	56.7
>=14000	7.7	51.3	53.8	55.1	56.1	56.3	56.6	56.7	56.8	57.0	57.1	57.1	57.2	57.2	57.3	57.4
>=12000	7.8	52.7	55.3	56.7	57.8	58.0	58.3	58.4	58.5	58.7	58.8	58.8	58.9	58.9	59.0	59.1
>=10000	8.0	56.4	59.3	60.8	62.0	62.2	62.6	62.7	62.8	63.1	63.2	63.2	63.3	63.3	63.3	63.5
>= 9000	8.1	56.8	59.7	61.3	62.5	62.7	63.1	63.2	63.3	63.5	63.7	63.7	63.8	63.8	63.8	64.0
>= 8000	8.2	60.7	64.1	65.9	67.1	67.4	67.8	68.0	68.1	68.3	68.5	68.5	68.6	68.6	68.7	68.8
>= 7000	8.3	61.9	65.4	67.3	68.6	68.8	69.3	69.5	69.6	69.8	70.0	70.0	70.1	70.1	70.2	70.4
>= 6000	8.4	62.7	66.3	68.2	69.5	69.8	70.3	70.5	70.5	70.8	70.9	71.0	71.0	71.1	71.1	71.3
>= 5000	8.5	63.7	67.5	69.6	70.9	71.2	71.7	71.9	72.0	72.3	72.4	72.4	72.5	72.5	72.6	72.8
>= 4500	8.6	64.2	68.0	70.2	71.5	71.8	72.3	72.5	72.6	72.9	73.0	73.0	73.1	73.1	73.2	73.4
>= 4000	8.7	66.0	70.1	72.4	73.9	74.2	74.8	75.0	75.1	75.4	75.5	75.5	75.6	75.6	75.7	75.9
>= 3500	8.7	66.9	71.2	73.6	75.1	75.5	76.0	76.3	76.3	76.6	76.8	76.8	76.9	76.9	77.0	77.1
>= 3000	8.9	69.1	73.7	76.3	77.9	78.3	78.8	79.1	79.2	79.5	79.6	79.6	79.7	79.7	79.8	80.0
>= 2500	9.0	70.5	75.4	78.1	79.9	80.3	80.8	81.1	81.2	81.5	81.6	81.6	81.7	81.8	81.9	82.0
>= 2000	9.1	72.3	77.5	80.4	82.3	82.7	83.3	83.6	83.7	84.0	84.1	84.1	84.2	84.3	84.4	84.5
>= 1800	9.1	72.4	77.7	80.6	82.6	83.0	83.6	83.9	84.0	84.3	84.4	84.5	84.6	84.6	84.7	84.9
>= 1500	9.1	73.5	79.0	82.2	84.4	84.8	85.5	85.8	85.9	86.3	86.4	86.4	86.5	86.6	86.7	86.9
>= 1200	9.1	73.9	79.5	83.0	85.3	85.8	86.5	86.9	86.9	87.3	87.5	87.5	87.6	87.6	87.7	87.9
>= 1000	9.1	74.4	80.2	83.9	86.3	86.9	87.8	88.1	88.2	88.6	88.8	88.8	88.9	89.0	89.1	89.3
>= 900	9.1	74.5	80.4	84.2	86.7	87.3	88.3	88.7	88.7	89.2	89.4	89.4	89.5	89.6	89.7	89.9
>= 800	9.1	74.8	80.8	84.8	87.4	88.1	89.1	89.6	89.7	90.2	90.4	90.4	90.6	90.6	90.7	90.9
>= 700	9.1	75.0	81.3	85.4	88.3	89.0	90.1	90.7	90.8	91.3	91.5	91.6	91.7	91.7	91.9	92.0
>= 600	9.1	75.2	81.6	85.9	88.9	89.7	91.0	91.6	91.7	92.4	92.6	92.6	92.8	92.8	92.9	93.1
>= 500	9.1	75.3	81.9	86.4	89.7	90.6	92.0	92.8	92.9	93.7	94.0	94.0	94.2	94.2	94.3	94.5
>= 400	9.1	75.4	82.1	86.7	90.2	91.2	93.0	94.0	94.1	95.0	95.3	95.3	95.6	95.6	95.7	95.9
>= 300	9.1	75.4	82.1	86.9	90.5	91.6	93.8	94.8	95.0	96.2	96.6	96.6	97.0	97.0	97.2	97.4
>= 200	9.1	75.4	82.1	86.9	90.6	91.8	94.1	95.3	95.5	96.8	97.3	97.4	97.9	98.0	98.2	98.5
>= 100	9.1	75.4	82.1	86.9	90.6	91.8	94.2	95.4	95.6	97.0	97.6	97.7	98.3	98.4	98.8	99.2
>= 0	9.1	75.4	82.1	86.9	90.6	91.8	94.2	95.4	95.6	97.0	97.7	97.8	98.4	98.5	99.0	100.0

TOTAL NO. OF OBS : 9356

2 - CEILING VS VISIBILITY

013769 : OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : ANN
CLASS : ALL WEATHER — HOUR : ALL
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	7.0	44.8	49.0	51.6	53.2	53.5	53.9	54.2	54.2	54.4	54.5	54.5	54.6	54.6	54.7	54.8
>=20000	7.2	48.4	53.1	56.0	57.8	58.1	58.6	58.9	58.9	59.1	59.2	59.2	59.3	59.3	59.4	59.5
>=18000	7.2	48.5	53.2	56.1	57.9	58.2	58.8	59.0	59.0	59.2	59.3	59.3	59.4	59.5	59.5	59.7
>=16000	7.2	48.6	53.3	56.2	58.0	58.3	58.9	59.1	59.1	59.3	59.4	59.4	59.5	59.6	59.6	59.8
>=14000	7.3	49.1	53.9	56.8	58.6	58.9	59.5	59.7	59.8	60.0	60.1	60.1	60.2	60.2	60.3	60.4
>=12000	7.4	50.4	55.4	58.4	60.3	60.6	61.1	61.4	61.4	61.6	61.7	61.7	61.8	61.9	61.9	62.1
>=10000	7.7	53.6	59.0	62.2	64.2	64.6	65.2	65.4	65.5	65.7	65.8	65.8	65.9	65.9	66.0	66.1
>= 9000	7.7	54.0	59.4	62.7	64.7	65.1	65.6	65.9	66.0	66.2	66.3	66.3	66.4	66.4	66.5	66.6
>= 8000	7.9	57.5	63.5	67.1	69.3	69.6	70.3	70.6	70.6	70.8	70.9	70.9	71.0	71.1	71.2	71.3
>= 7000	8.0	58.5	64.6	68.2	70.5	70.9	71.5	71.8	71.8	72.1	72.2	72.2	72.3	72.3	72.4	72.5
>= 6000	8.1	59.1	65.3	68.9	71.2	71.6	72.2	72.6	72.6	72.8	72.9	72.9	73.0	73.1	73.2	73.3
>= 5000	8.2	60.2	66.6	70.4	72.7	73.1	73.7	74.1	74.1	74.3	74.4	74.4	74.5	74.6	74.7	74.8
>= 4500	8.3	60.5	67.0	70.8	73.2	73.6	74.2	74.6	74.6	74.8	74.9	74.9	75.0	75.1	75.2	75.3
>= 4000	8.4	62.0	68.7	72.7	75.1	75.5	76.2	76.6	76.6	76.8	76.9	76.9	77.1	77.1	77.2	77.3
>= 3500	8.5	62.7	69.5	73.6	76.0	76.5	77.2	77.5	77.5	77.8	77.9	77.9	78.0	78.0	78.1	78.3
>= 3000	8.7	64.9	72.1	76.5	79.2	79.7	80.4	80.7	80.8	81.0	81.1	81.1	81.3	81.3	81.4	81.5
>= 2500	8.8	66.3	73.8	78.4	81.2	81.7	82.5	82.8	82.9	83.1	83.3	83.3	83.4	83.4	83.5	83.6
>= 2000	8.9	67.8	75.7	80.5	83.5	84.0	84.9	85.3	85.3	85.6	85.7	85.7	85.8	85.8	85.9	86.1
>= 1800	8.9	68.0	75.9	80.8	83.8	84.4	85.2	85.6	85.6	85.9	86.0	86.0	86.2	86.2	86.3	86.4
>= 1500	9.0	69.1	77.4	82.5	85.7	86.4	87.3	87.7	87.8	88.1	88.2	88.2	88.3	88.3	88.4	88.6
>= 1200	9.0	69.8	78.3	83.7	87.0	87.7	88.7	89.1	89.2	89.5	89.6	89.6	89.8	89.8	89.9	90.0
>= 1000	9.1	70.4	79.1	84.7	88.2	89.0	90.0	90.5	90.6	90.9	91.1	91.1	91.2	91.2	91.4	91.5
>= 900	9.1	70.5	79.4	85.0	88.7	89.5	90.6	91.1	91.1	91.5	91.7	91.7	91.8	91.8	91.9	92.1
>= 800	9.1	70.8	79.8	85.6	89.4	90.2	91.5	92.0	92.1	92.5	92.7	92.7	92.8	92.8	92.9	93.1
>= 700	9.1	71.0	80.1	86.0	90.0	90.9	92.2	92.8	92.9	93.3	93.5	93.5	93.7	93.7	93.8	94.0
>= 600	9.1	71.1	80.3	86.4	90.6	91.5	93.0	93.7	93.8	94.3	94.5	94.5	94.6	94.7	94.8	94.9
>= 500	9.1	71.3	80.6	86.8	91.1	92.2	93.8	94.7	94.8	95.4	95.6	95.6	95.8	95.8	96.0	96.1
>= 400	9.1	71.3	80.7	87.0	91.5	92.6	94.5	95.5	95.6	96.3	96.6	96.6	96.8	96.9	97.0	97.1
>= 300	9.1	71.4	80.8	87.1	91.8	92.9	95.0	96.1	96.2	97.1	97.4	97.4	97.7	97.7	97.9	98.1
>= 200	9.1	71.4	80.8	87.2	91.9	93.1	95.2	96.4	96.5	97.5	98.0	98.0	98.4	98.4	98.6	98.8
>= 100	9.1	71.4	80.8	87.2	91.9	93.1	95.2	96.4	96.6	97.6	98.1	98.2	98.7	98.7	99.1	99.4
>= 0	9.1	71.4	80.8	87.2	91.9	93.1	95.2	96.4	96.6	97.7	98.2	98.2	98.7	98.8	99.2	100.0

TOTAL NO. OF OBS : 108618

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL	TOTAL OBS		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	D.B./ W.B.	DRY BULB	WET BULB	DEW PT.
>= 79	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 77	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 75	.0	.0	.0	.0	.0	.0*	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	7	7	0	0
>= 73	.0	.0	.0	.0	.0*	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	13	0	0
>= 71	.0	.0	.0	.0	.1	.1	.1	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	23	23	0	0
>= 69	.0	.0*	.1	.1	.1	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	50	50	0	0
>= 67	.0	.0*	.2	.2	.1	.1	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	62	62	5	0
>= 65	.0*	.2	.2	.2	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	82	82	22	2
>= 63	.0*	.2	.3	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	104	104	74	27
>= 61	.1	.6	.3	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	158	158	93	58
>= 59	.2	.5	.3	.4	.2	.2	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	193	193	141	107
>= 57	.1	.7	.7	.4	.2	.2	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	239	239	142	114
>= 55	.2	.7	.5	.5	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	249	249	191	124
>= 53	.2	.6	.6	.4	.3	.2	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	242	242	207	165
>= 51	.2	.7	.7	.2	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	270	270	222	187
>= 49	.3	.8	.6	.5	.5	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	299	299	246	196
>= 47	.4	1.1	.8	.7	.6	.5	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	408	408	272	204
>= 45	.6	1.4	1.3	1.0	.9	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	549	549	327	259
>= 43	.7	1.7	1.7	1.3	1.1	.5	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	649	649	436	276
>= 41	.4	1.5	1.8	1.6	1.1	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	640	640	502	303
>= 39	.8	2.1	2.1	1.8	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	739	739	644	350
>= 37	.5	2.1	2.2	1.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	664	664	706	422
>= 35	.6	2.1	2.4	1.6	.5	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	686	686	779	450
>= 33	.5	2.1	2.3	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	629	629	776	488
>= 31	.4	2.0	2.0	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	565	565	721	540
>= 29	.3	1.8	2.1	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	498	498	637	587
>= 27	.1	1.7	2.0	.7	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	428	428	565	532
>= 25	.2	1.3	1.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	326	326	502	564
>= 23	.1	.8	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	209	209	413	558
>= 21	.1	.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	132	132	267	502
>= 19	.1	.6	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	125	125	200	427
>= 17	.1	.4	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	70	133	391
>= 15	.0*	.3	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	53	80	357
>= 13	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	24	49	334
>= 11	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	16	29	256
>= 9	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	20	190
>= 7	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	5	133
>= 5	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	3	93
>= 3	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	3	60
>= 1	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	2	44
>= -1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	3	35
>= -3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	27
>= -5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	18
>= -7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	11
>= -9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	7
>=-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	8
>=-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
>=-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2
>=-17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	3
>=-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2

3 - PSYCHROMETRIC SUMMARY

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	WET BULB	DEW PT.
>=-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
>=-23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	3
>=-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
>=-27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0
>=-29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
TOTAL	7.4	28.8	29.9	18.0	8.8	4.5	1.6	.8	.1	.0*	.0	.0	.0	.0	.0	.0	.0	9417	9420	9417	9420

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS	40 - MEAN NO. OF HOURS WITH TEMP. <=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
28 - REL HUM	646610.	47660734.	68.7	18.625	9418							
15 - DRY BULB	377545.	16359741.	40.1	11.419	9420	.2	194.4	12.4	1.7	.0	.0	744
16 - WET BULB	341227.	13465001.	36.2	10.811	9417	79.2	365.9	.4	.0	.0	.0	744
17 - DEW PT.	279822.	10074812.	29.7	13.680	9420	9.5	449.2	.0	.0	.0	.0	744

3 - PSYCHROMETRIC SUMMARY

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : FEB
PAGE 1

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30			
>= 79	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	3	3	0	0
>= 77	.0	.0	.0	.0	.0	.0*	.0	.0*	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	7	7	0	0
>= 75	.0	.0	.0*	.0	.0	.1	.0*	.0*	.0	.0	.0	.0	.0*	.0	.0	.0	.0	12	12	0	0
>= 73	.0	.0	.0	.0*	.0*	.0*	.0*	.1	.0*	.0	.0*	.0*	.0	.0	.0	.0	.0	16	16	0	0
>= 71	.0	.0	.0*	.0*	.1	.1	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	24	24	1	0
>= 69	.0	.0	.0*	.1	.1	.1	.1	.1	.0*	.1	.0*	.0	.0	.0	.0	.0	.0	52	52	0	1
>= 67	.0	.0*	.1	.2	.2	.1	.1	.1	.0*	.1	.0	.0	.0	.0	.0	.0	.0	68	68	6	0
>= 65	.0	.1	.1	.2	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	99	99	17	6
>= 63	.0	.2	.3	.3	.2	.1	.1	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	116	116	44	12
>= 61	.1	.4	.2	.3	.2	.2	.1	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	146	146	79	33
>= 59	.1	.5	.6	.3	.3	.2	.2	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	201	201	120	76
>= 57	.2	.6	.5	.3	.3	.3	.3	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	233	233	150	95
>= 55	.2	.6	.5	.5	.4	.3	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	249	249	192	123
>= 53	.2	.7	.6	.4	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	240	240	192	163
>= 51	.3	.8	.7	.6	.6	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	320	320	209	166
>= 49	.3	.9	.9	.7	.5	.6	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	352	352	281	165
>= 47	.4	1.0	.8	.8	.7	.5	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	370	370	303	200
>= 45	.6	1.5	.9	1.2	.9	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	495	495	395	264
>= 43	.7	1.7	1.5	1.5	1.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	584	584	428	277
>= 41	.8	1.6	1.8	1.6	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	608	608	495	334
>= 39	.9	2.4	2.0	1.6	1.1	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	701	701	630	365
>= 37	.4	2.1	2.2	1.9	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	639	639	682	359
>= 35	.5	2.2	2.1	1.5	.6	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	593	593	709	469
>= 33	.5	1.9	2.0	1.5	.5	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	545	545	654	502
>= 31	.3	1.8	1.6	1.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	459	459	623	527
>= 29	.3	1.4	1.6	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	374	374	570	561
>= 27	.3	1.2	1.7	.8	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	342	342	441	489
>= 25	.1	1.0	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	219	219	397	463
>= 23	.2	.6	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	159	159	330	436
>= 21	.1	.6	.5	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	98	98	209	397
>= 19	.0*	.5	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	69	69	137	379
>= 17	.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	46	46	92	306
>= 15	.0*	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	22	51	290
>= 13	.0*	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	10	25	263
>= 11	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6	8	221
>= 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	7	170
>= 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	129
>= 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	89
>= 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	42
>= 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	40
>= -1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	26
>= -3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	26
>= -5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	6
>= -7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	6
>= -9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : FEB
PAGE 2

% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)

DRY-BULB TEMP. (DEG F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
TOTAL	7.7	27.0	25.8	19.1	10.4	5.1	2.6	1.3	.5	.3	.1	.0*	.0*	.0	.0	.0	.0	8477	8480	8477	8478

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS
28 - REL HUM	571203.	41788517.	67.4	9.730	8477
15 - DRY BULB	352381.	15720525.	41.6	11.273	8480
16 - WET BULB	316258.	12705292.	37.3	10.341	8477
17 - DEW PT.	258014.	9327552.	30.4	13.179	8478

40 - MEAN NO. OF HOURS WITH TEMP.

	<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
28 - REL HUM	.0	143.1	14.4	3.0	.1	.0	672
15 - DRY BULB	80.1	309.2	.6	.0	.0	.0	672
16 - WET BULB	5.2	385.9	.1	.0	.0	.0	672
17 - DEW PT.							

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : MAR
PAGE 1

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30				
>= 89	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0
>= 85	.0	.0	.0	.0	.0*	.0	.0	.0	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	7	7	0	0
>= 83	.0	.0	.0	.0	.0*	.0	.0*	.0	.1	.0*	.0*	.0*	.0*	.0	.0	.0	.0	14	14	0	0
>= 81	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.1	.0*	.0*	.0*	.0	.0	.0	.0	20	20	0	0
>= 79	.0	.0	.0	.0	.0*	.0*	.0*	.1	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	37	37	0	0
>= 77	.0	.0	.0	.0*	.0*	.1	.1	.2	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	52	52	1	0
>= 75	.0	.0	.0	.0*	.0*	.1	.1	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	46	46	1	0
>= 73	.0	.0*	.0	.1	.1	.1	.1	.1	.2	.1	.0*	.0	.0	.0	.0	.0	.0	72	72	1	1
>= 71	.0	.0	.1	.1	.2	.3	.2	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	102	102	5	1
>= 69	.0	.1	.1	.3	.3	.3	.2	.1	.1	.1	.0*	.0	.0	.0	.0	.0	.0	148	148	12	1
>= 67	.0*	.2	.3	.3	.3	.3	.3	.1	.2	.1	.0*	.0	.0	.0	.0	.0	.0	207	207	57	14
>= 65	.0*	.2	.5	.4	.3	.2	.1	.1	.2	.0*	.0	.0	.0	.0	.0	.0	.0	204	204	93	22
>= 63	.0*	.4	.5	.5	.4	.3	.2	.1	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	260	260	157	63
>= 61	.1	.6	.5	.5	.4	.3	.2	.2	.2	.0*	.0	.0	.0	.0	.0	.0	.0	288	288	215	111
>= 59	.2	.7	.7	.5	.4	.4	.3	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	337	337	284	176
>= 57	.1	.7	.7	.5	.3	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	356	356	283	199
>= 55	.3	1.0	.6	.7	.5	.7	.6	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	447	447	351	242
>= 53	.2	.8	.9	.7	.9	.7	.5	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	475	475	318	269
>= 51	.3	1.0	1.2	.6	.7	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	478	478	367	293
>= 49	.4	1.2	1.5	1.0	1.2	1.0	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	640	640	424	325
>= 47	.5	1.7	1.4	1.2	1.1	.8	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	663	663	539	340
>= 45	.6	2.1	1.7	1.7	1.3	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	799	799	709	438
>= 43	.6	2.1	2.0	2.2	1.3	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	836	836	738	469
>= 41	.5	1.8	2.3	1.7	1.1	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	740	740	814	507
>= 39	.6	1.6	1.9	1.6	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	654	654	888	532
>= 37	.4	1.4	1.6	1.2	.6	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	499	499	811	559
>= 35	.2	1.0	1.3	1.1	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	372	372	694	549
>= 33	.3	.6	.9	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	252	252	541	616
>= 31	.1	.7	.7	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	215	215	413	655
>= 29	.1	.6	.6	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	159	159	332	563
>= 27	.1	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	94	94	216	502
>= 25	.0*	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	35	148	426
>= 23	.0*	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	23	72	375
>= 21	.0*	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	18	41	321
>= 19	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	21	257
>= 17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	6	211
>= 15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	176
>= 13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	108
>= 11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	98
>= 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	49
>= 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	41
>= 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	20
>= 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	15
>= 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	3
>= -1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2
>= -3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : MAR
PAGE 2

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30				
TOTAL	5.6	21.0	22.8	18.6	13.2	8.7	4.7	2.5	1.8	.6	.3	.2	.1	.0	.0	.0	.0	9552	9552		9551
																		9552		9552	

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS	40 - MEAN NO. OF HOURS WITH TEMP. <=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
28 - REL HUM	630102.	45397486.	66.0	20.021	9551							
15 - DRY BULB	462477.	23574269.	48.4	11.128	9552	.0	42.5	55.0	19.4	4.8	.0	744
16 - WET BULB	411813.	18674425.	43.1	9.815	9552	86.6	183.9	6.0	.2	.0	.0	744
17 - DEW PT.	346624.	14052446.	36.3	12.419	9551	.3	297.9	1.3	.1	.0	.0	744

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AP

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30				
>= 93	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0	.0	2	2	0	
>= 91	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0*	.0*	.0	.0	4	4	0	0
>= 89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0	.0	.0	9	9	0	0
>= 87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.1	.1	.0*	.0	.0	.0	.0	17	17	0	0
>= 85	.0	.0	.0	.0	.0	.0	.0	.0*	.1	.1	.1	.1	.0*	.0	.0	.0	.0	42	42	0	0
>= 83	.0	.0	.0	.0	.0	.0	.0*	.1	.1	.1	.1	.1	.0*	.0	.0	.0	.0	53	53	0	0
>= 81	.0	.0	.0	.0	.0	.0*	.1	.2	.2	.1	.1	.1	.0*	.0*	.0	.0	.0	77	77	0	0
>= 79	.0	.0	.0	.0	.0	.1	.2	.2	.3	.2	.1	.0	.0*	.0	.0	.0	.0	98	98	0	0
>= 77	.0	.0	.0	.0*	.1	.2	.4	.2	.2	.2	.1	.0*	.0*	.0	.0	.0	.0	139	139	0	0
>= 75	.0	.0	.0	.1	.3	.3	.4	.3	.2	.2	.2	.0*	.0*	.0	.0	.0	.0	182	182	0	0
>= 73	.0	.0	.0*	.2	.5	.4	.4	.3	.3	.2	.1	.0*	.0	.0*	.0	.0	.0	218	218	2	0
>= 71	.0*	.0*	.1	.4	.6	.6	.5	.3	.2	.2	.1	.0	.0*	.0	.0	.0	.0	278	278	14	3
>= 69	.0*	.1	.5	.7	.5	.5	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	302	302	92	4
>= 67	.0*	.2	.9	.7	.8	.5	.4	.2	.4	.2	.0*	.0	.0	.0	.0	.0	.0	402	402	170	25
>= 65	.1	.8	1.0	.8	.7	.6	.6	.3	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	504	504	332	99
>= 63	.2	1.0	.9	.9	.6	.4	.5	.4	.3	.0*	.0*	.0	.0	.0	.0	.0	.0	478	478	502	220
>= 61	.1	1.1	1.0	1.0	.6	.6	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	531	531	475	333
>= 59	.3	1.2	1.1	1.1	.8	.9	.6	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	604	604	529	388
>= 57	.4	1.4	1.5	1.1	1.0	.9	.7	.3	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	688	688	545	444
>= 55	.4	1.3	1.6	1.5	1.1	1.1	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	747	747	602	486
>= 53	.3	1.6	1.7	1.3	1.2	.9	.5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	701	701	615	527
>= 51	.4	1.6	1.9	1.3	1.2	.7	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	674	674	697	520
>= 49	.2	1.2	2.0	1.7	1.2	.6	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	649	649	826	550
>= 47	.2	1.4	1.5	1.5	.8	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	550	550	773	565
>= 45	.1	1.1	1.5	1.1	.7	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	455	455	784	590
>= 43	.1	1.0	1.1	.8	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	332	332	650	546
>= 41	.1	.4	.8	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	224	224	597	563
>= 39	.0*	.3	.5	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	122	122	404	548
>= 37	.0*	.4	.3	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99	99	291	560
>= 35	.0*	.2	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43	43	170	502
>= 33	.0	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	13	93	455
>= 31	.0	.0*	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	47	340
>= 29	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	23	301
>= 27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	9	217
>= 25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	3	156
>= 23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	96
>= 21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	67
>= 19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	53
>= 17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	33
>= 15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	13
>= 13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	17
>= 11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	13
>= 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	11
>= 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2

3 - PSYCHROMETRIC SUMMARY

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : APR
PAGE 2

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30				
TOTAL	3.0	16.5	20.3	17.7	13.7	10.2	7.4	4.6	3.1	1.6	1.1	.4	.2	.0*	.0*	.0	.0	9245	9247	9245	9247

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS	40 - MEAN NO. OF HOURS WITH TEMP. <=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
28 - REL HUM	603196.	42836962.	65.2	19.406	9245							
15 - DRY BULB	532364.	31643166.	57.6	10.369	9247	.0	.6	141.9	65.5	20.1	.2	720
16 - WET BULB	471739.	24768537.	51.0	8.686	9245	83.7	90.1	21.7	.2	.0	.0	720
17 - DEW PT.	412964.	19563936.	44.7	11.012	9247	.0	102.7	2.5	.0	.0	.0	720

3 - PSYCHROMETRIC SUMMARY

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL O.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
>= 95	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	1	1	0	0
>= 93	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0*	.0	.0	.0	.0	.0	2	2	0	0
>= 91	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0*	.0*	.0*	.0*	.0	.0	.0	.0	8	8	0	0
>= 89	.0	.0	.0	.0	.0	.0	.0	.0*	.1	.1	.0*	.1	.0*	.0*	.0	.0	.0	31	31	0	0
>= 87	.0	.0	.0	.0	.0	.0*	.1	.2	.3	.2	.0*	.1	.0*	.0	.0	.0	.0	79	79	0	0
>= 85	.0	.0	.0	.0	.0	.1	.2	.2	.3	.2	.1	.1	.0*	.0	.0	.0	.0	116	116	0	0
>= 83	.0	.0	.0	.0	.1	.2	.3	.3	.4	.2	.2	.1	.0*	.0	.0	.0	.0	165	165	0	0
>= 81	.0	.0	.0*	.0*	.2	.5	.4	.5	.3	.2	.1	.0*	.0	.0	.0	.0	.0	204	204	0	0
>= 79	.0	.0	.0*	.1	.5	.6	.5	.3	.3	.2	.1	.0*	.0*	.0	.0	.0	.0	258	258	0	0
>= 77	.0*	.0	.0*	.4	.6	.8	.6	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	322	322	7	1
>= 75	.0	.0*	.4	.9	.9	.7	.7	.5	.4	.2	.1	.0*	.0	.0	.0	.0	.0	445	445	45	1
>= 73	.0*	.2	.8	1.0	.7	.8	.6	.4	.3	.2	.1	.0*	.0	.0	.0	.0	.0	486	486	143	11
>= 71	.0*	.7	1.4	1.4	.9	.7	.4	.3	.2	.1	.0*	.0	.0	.0	.0	.0	.0	586	586	302	78
>= 69	.1	1.2	2.3	1.6	.9	.8	.6	.4	.3	.1	.0*	.0	.0	.0	.0	.0	.0	775	775	542	229
>= 67	.4	1.7	2.4	1.3	1.0	.7	.5	.4	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	812	812	753	455
>= 65	.3	1.8	1.9	1.4	.8	.7	.5	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	735	735	866	594
>= 63	.5	1.7	1.8	1.7	1.1	.8	.5	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	789	789	862	756
>= 61	.4	2.2	1.7	1.7	1.0	.6	.4	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	782	782	823	730
>= 59	.7	2.1	1.9	1.5	1.0	.6	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	778	778	892	795
>= 57	.5	1.5	1.8	1.4	.7	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	617	617	839	766
>= 55	.3	1.5	1.7	1.0	.6	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	513	513	860	723
>= 53	.1	.9	1.2	.8	.4	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	351	351	729	730
>= 51	.1	.8	1.1	.4	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	265	265	596	634
>= 49	.0*	.6	.7	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	189	189	472	639
>= 47	.0	.4	.3	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	79	79	330	566
>= 45	.0	.3	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54	54	210	468
>= 43	.0*	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	19	107	370
>= 41	.0*	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	14	56	283
>= 39	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	34	226
>= 37	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	7	154
>= 35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	3	108
>= 33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	66
>= 31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	35
>= 29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	21
>= 27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	21
>= 25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	17
>= 23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	3
>= 21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
TOTAL	3.5	17.7	21.8	17.5	11.7	9.6	6.9	4.7	3.4	2.0	.8	.4	.1	.0*	.0	.0	.0	9478	9478	9478	9481

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS
28 - REL HUM	667600.	49987822.	70.4	17.686	9478
15 - DRY BULB	622573.	41667979.	65.7	9.035	9478
16 - WET BULB	562729.	33924775.	59.4	7.367	9478

40 - MEAN NO. OF HOURS WITH TEMP.

<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
.0	.0	336.8	166.2	57.4	.2	744
93.1	93.1	140.7	15.3	.0	.0	744

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUN

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL O.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30				
>=103	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	1	1	0	0
>=101	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	2	2	0	0
>= 99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0*	.0	.0	2	2	0	0
>= 97	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.1	.0*	.0*	.0	.0	.0	.0	15	15	0	0
>= 95	.0	.0	.0	.0	.0	.0	.0	.1	.0*	.1	.0*	.0*	.0*	.0*	.0	.0	.0	24	24	0	0
>= 93	.0	.0	.0	.0	.0	.0	.0*	.1	.1	.1	.0*	.0*	.0*	.0*	.0	.0	.0	42	42	0	0
>= 91	.0	.0	.0	.0	.0	.0*	.1	.2	.3	.4	.1	.0*	.0	.0	.0	.0	.0	91	91	0	0
>= 89	.0	.0	.0	.0	.0*	.1	.3	.5	.5	.2	.1	.0*	.0*	.0	.0	.0	.0	159	159	0	0
>= 87	.0	.0	.0	.0*	.1	.4	.5	.6	.5	.1	.1	.1	.0	.0	.0	.0	.0	236	236	0	0
>= 85	.0	.0	.0	.1	.3	.6	.9	.7	.5	.1	.1	.0*	.0*	.0	.0	.0	.0	303	303	0	0
>= 83	.0	.0	.0*	.2	.7	1.1	1.0	.6	.5	.2	.1	.0	.0	.0	.0	.0	.0	400	400	0	0
>= 81	.0	.0*	.2	.6	1.0	1.3	.7	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	439	439	14	0
>= 79	.0	.2	.6	1.3	1.5	1.4	.9	.5	.4	.2	.0*	.0	.0	.0	.0	.0	.0	639	639	68	4
>= 77	.0*	.4	1.3	1.7	1.5	1.1	.8	.6	.3	.2	.0*	.0	.0	.0	.0	.0	.0	723	723	228	41
>= 75	.1	.8	2.2	2.4	1.2	1.0	.8	.5	.2	.1	.0*	.0	.0	.0	.0	.0	.0	855	855	518	154
>= 73	.2	1.4	3.2	2.3	1.4	.9	.7	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	974	974	828	350
>= 71	.3	2.3	3.0	2.0	1.0	1.1	.5	.3	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	985	985	1087	649
>= 69	.7	2.1	2.9	2.1	1.1	.6	.4	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	934	934	1251	1053
>= 67	.4	1.6	2.7	1.5	.9	.5	.2	.1	.0*	.0	.0	.0*	.0	.0	.0	.0	.0	723	723	1083	1149
>= 65	.4	1.5	1.9	1.0	.7	.3	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	562	562	1018	1007
>= 63	.3	1.4	1.3	1.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	448	448	904	947
>= 61	.1	1.0	1.0	.7	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	294	294	797	849
>= 59	.1	.6	.7	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	184	184	525	701
>= 57	.0*	.3	.4	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	92	92	412	588
>= 55	.0*	.2	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	51	247	522
>= 53	.0*	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	35	132	391
>= 51	.0	.0*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7	70	307
>= 49	.0	.0*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8	28	207
>= 47	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	15	149
>= 45	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	4	76
>= 43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	2	56
>= 41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	18
>= 39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	13
>= 37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	5
>= 35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
>= 33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
>= 31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
TOTAL	2.8	14.0	21.9	17.7	12.2	10.7	7.9	5.7	4.0	1.8	.8	.2	.1	.0*	.0*	.0*	.0	9231	9234	9231	9239

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS
28 - REL HUM	662534.	49906052.	71.8	15.971	9231
15 - DRY BULB	679061.	50512403.	73.5	7.890	9234
16 - WET BULB	616784.	41545028.	66.8	6.012	9231
17 - DEW PT.	582407.	37177573.	63.0	7.086	9239

40 - MEAN NO. OF HOURS WITH TEMP.

	<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
15 - DRY BULB	.0	.0	588.7	382.7	159.7	6.7	720
16 - WET BULB	66.2	66.2	396.0	129.2	3.4	.0	720
17 - DEW PT.	.0	.1	265.0	42.8	.1	.0	720

3 - PSYCHROMETRIC SUMMARY

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUL

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	WET BULB	DEW PT.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30			
>=103	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	1	1	0	0
>=101	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0*	.0	.0	.0	.0	2	2	0	0
>= 97	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0*	.0*	.0	.0	.0	.0	16	16	0	0
>= 95	.0	.0	.0	.0	.0	.0	.0*	.0*	.1	.1	.1	.1	.0*	.0	.0	.0	.0	46	46	0	0
>= 93	.0	.0	.0	.0	.0	.0	.0*	.2	.3	.3	.1	.0*	.0*	.0	.0	.0	.0	89	89	0	0
>= 91	.0	.0	.0	.0*	.0	.0*	.4	.7	.7	.3	.1	.0*	.0	.0	.0	.0	.0	212	212	0	0
>= 89	.0	.0	.0	.0*	.1	.4	.8	1.1	.5	.2	.1	.0*	.0	.0*	.0	.0	.0	297	297	0	0
>= 87	.0	.0	.0	.0*	.3	1.1	1.4	.7	.4	.1	.1	.0	.0	.0	.0	.0	.0	378	378	1	0
>= 85	.0	.0	.0*	.2	1.0	1.8	1.1	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	506	506	1	0
>= 83	.0	.0*	.1	.8	1.7	1.6	.9	.5	.2	.1	.1	.0*	.0	.0	.0	.0	.0	574	574	5	1
>= 81	.0	.1	.7	2.1	1.9	1.2	.8	.4	.3	.1	.0*	.0	.0	.0	.0	.0	.0	709	709	39	5
>= 79	.0	.4	2.4	2.7	2.1	1.3	.6	.3	.2	.1	.0*	.0	.0	.0	.0	.0	.0	960	960	223	22
>= 77	.1	1.5	4.2	3.1	1.6	.9	.7	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	1183	1183	724	142
>= 75	.3	3.4	5.1	2.7	1.3	.8	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1342	1342	1402	491
>= 73	.7	3.8	4.1	1.9	1.1	.6	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1183	1183	1758	1326
>= 71	.6	2.5	3.1	1.4	.7	.3	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	839	839	1643	1659
>= 69	.5	1.7	2.2	.9	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	552	552	1339	1626
>= 67	.2	.7	1.2	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	272	272	865	1274
>= 65	.1	.5	.6	.2	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	148	148	643	812
>= 63	.0*	.3	.3	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	78	78	388	675
>= 61	.0*	.1	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43	43	220	491
>= 59	.0	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	15	118	336
>= 57	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6	56	238
>= 55	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4	27	141
>= 53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	3	119
>= 51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	1	65
>= 49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	21
>= 47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	11
>= 45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	5
TOTAL	2.5	15.1	24.3	16.9	12.5	10.2	7.6	5.4	3.2	1.4	.7	.2	.0*	.0*	.0	.0	.0	9456	9463	9456	9460

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS
28 - REL HUM	702342.	54249436.	74.3	14.843	9456
15 - DRY BULB	735055.	57505489.	77.7	6.573	9463
16 - WET BULB	673842.	48216492.	71.3	4.576	9456
17 - DEW PT.	644756.	44219058.	68.2	5.392	9460

40 - MEAN NO. OF HOURS WITH TEMP.

	<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
15 - DRY BULB	.0	.0	720.9	590.1	258.7	12.2	744
16 - WET BULB	75.5	75.5	629.4	326.8	10.4	.0	744
17 - DEW PT.	.0	.0	514.8	156.3	.9	.0	744

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : AUG

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30				
>=103	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	1	1	0	0
>=101	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	3	3	0	0
>= 97	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	.0	9	9	0	0
>= 95	.0	.0	.0	.0	.0	.0	.0	.0*	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	23	23	0	0
>= 93	.0	.0	.0	.0	.0	.0	.0*	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	76	76	0	0
>= 91	.0	.0	.0	.0	.0*	.1	.3	.5	.3	.1	.0*	.0	.0	.0	.0	.0	.0	128	128	0	0
>= 89	.0	.0	.0	.0	.1	.4	.7	.7	.3	.1	.0*	.0	.0	.0	.0	.0	.0	216	216	0	0
>= 87	.0	.0	.0	.0*	.2	1.0	.9	.6	.2	.2	.0*	.0	.0	.0	.0	.0	.0	302	302	0	0
>= 85	.0	.0	.0*	.3	1.2	1.7	1.0	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	473	473	0	0
>= 83	.0	.0	.1	.9	2.0	1.6	.9	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	583	583	4	0
>= 81	.0	.1	.7	1.9	1.9	1.3	.8	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	682	682	36	4
>= 79	.0*	.6	2.4	2.3	1.7	1.1	.7	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	870	870	245	22
>= 77	.2	2.2	4.1	2.6	1.6	.9	.6	.3	.2	.0*	.0	.0	.0	.0	.0	.0	.0	1206	1206	731	158
>= 75	.4	4.4	4.6	2.2	1.3	.6	.5	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	1361	1361	1349	658
>= 73	.5	4.1	4.0	2.0	1.0	.5	.2	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	1192	1192	1664	1384
>= 71	.9	3.3	2.9	1.4	.8	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	962	962	1583	1562
>= 69	.5	1.6	2.1	1.1	.6	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	604	604	1270	1457
>= 67	.3	1.0	1.3	.6	.3	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	359	359	880	1156
>= 65	.0*	.7	.8	.3	.1	.1	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	195	195	636	823
>= 63	.0	.4	.4	.2	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	103	103	443	653
>= 61	.0*	.3	.3	.1	.0*	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	76	76	312	494
>= 59	.0	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	25	171	390
>= 57	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	10	72	226
>= 55	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	37	183
>= 53	.0	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	14	130
>= 51	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	14	85
>= 49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	2	38
>= 47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	6	13
>= 45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	15
>= 43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	8
>= 41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	8
>= 39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2
>= 37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	4
>= 35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0
>= 33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
TOTAL	3.0	18.8	24.0	16.0	12.9	10.2	7.0	4.6	2.1	1.1	.3	.0*	.0*	.0	.0	.0	.0	9469	9474	9469	9474

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS
28 - REL HUM	718012.	56468212.	75.8	14.598	9468
15 - DRY BULB	727802.	56308682.	76.8	6.484	9474
16 - WET BULB	671539.	47858947.	70.9	4.967	9469
17 - DEW PT.	644260.	44143680.	68.0	5.921	9474

40 - MEAN NO. OF HOURS WITH TEMP.

<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
.0	.0	711.2	559.9	229.3	8.9	744
74.4	74.4	609.9	316.6	9.8	.0	744

3 - PSYCHROMETRIC SUMMARY

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : SEP
PAGE 1

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30				
>= 99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	1	1	0	0
>= 97	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0*	.0	.0	.0	.0	2	2	0	0
>= 95	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0	.0*	.0	.0	.0	.0	9	9	0	0
>= 93	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.1	.0*	.0	.0	.0	.0	.0	.0	15	15	0	0
>= 91	.0	.0	.0	.0	.0	.0	.0*	.1	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	45	45	0	0
>= 89	.0	.0	.0	.0	.0	.0*	.3	.3	.1	.1	.0*	.0	.0	.0	.0	.0	.0	80	80	0	0
>= 87	.0	.0	.0*	.0	.1	.2	.3	.3	.2	.0*	.0*	.0	.0*	.0	.0	.0	.0	108	108	0	0
>= 85	.0	.0	.0	.1	.2	.4	.5	.4	.2	.0*	.0*	.0*	.0	.0	.0	.0	.0	177	177	0	0
>= 83	.0	.0	.0*	.3	.8	.8	.4	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	268	268	1	0
>= 81	.0	.0*	.1	1.0	1.1	.8	.6	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	382	382	2	1
>= 79	.0*	.1	.8	1.2	1.2	1.1	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	495	495	41	2
>= 77	.0*	.7	1.7	1.4	1.4	.8	.6	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	658	658	174	28
>= 75	.1	2.4	2.9	1.9	1.2	1.1	.8	.3	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	989	989	537	150
>= 73	.5	2.8	3.2	1.8	1.3	.9	.5	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	1047	1047	886	540
>= 71	.7	2.8	3.1	1.9	1.2	1.0	.6	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	1068	1068	1074	868
>= 69	.6	2.6	2.7	1.7	1.1	1.1	.4	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	965	965	1051	982
>= 67	.5	2.1	2.4	1.6	1.0	.6	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	796	796	1017	938
>= 65	.5	1.9	1.8	1.2	.7	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	635	635	966	902
>= 63	.3	1.2	1.4	1.0	.7	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	471	471	840	826
>= 61	.2	1.0	1.1	.7	.5	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	351	351	712	758
>= 59	.1	.8	.8	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	251	251	597	614
>= 57	.1	.4	.6	.3	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	149	149	425	583
>= 55	.0*	.2	.3	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	76	76	305	522
>= 53	.0*	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	59	238	385
>= 51	.0	.1	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	29	130	297
>= 49	.0*	.0*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	10	83	212
>= 47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	53	163
>= 45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	3	139
>= 43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	1	101
>= 41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	60
>= 39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	30
>= 37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	21
>= 35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	12
>= 33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	6
TOTAL	3.7	19.3	23.4	16.8	13.2	10.3	6.3	4.1	1.7	.8	.2	.0*	.0*	.0	.0	.0*	.0	9136	9140	9136	9140

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS
28 - REL HUM	682951.	53224767.	74.8	15.418	9136
15 - DRY BULB	657380.	47774938.	71.9	7.352	9140
16 - WET BULB	604788.	40426784.	66.2	6.541	9136
17 - DEW PT.	574151.	36644095.	62.8	7.949	9140

40 - MEAN NO. OF HOURS WITH TEMP.

	<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
15 - DRY BULB	.0	.0	559.9	337.0	105.6	2.1	720
16 - WET BULB	74.4	74.4	376.9	129.3	1.4	.0	720
17 - DEW PT.	.0	.0	276.4	56.8	.2	.0	720

3 - PSYCHROMETRIC SUMMARY

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : OCT
PAGE 1

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30				
>= 95	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 93	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 91	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	3	3	0	0
>= 89	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	2	2	0	0
>= 87	.0	.0	.0	.0	.0	.0	.0*	.1	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	11	11	0	0
>= 85	.0	.0	.0	.0	.0	.0*	.0*	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	24	24	0	0
>= 83	.0	.0	.0	.0	.0*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	48	48	0	0
>= 81	.0	.0	.0*	.0*	.1	.1	.2	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	59	59	0	0
>= 79	.0	.0*	.0*	.1	.3	.3	.1	.2	.1	.0*	.1	.0	.0	.0	.0	.0	.0	118	118	0	0
>= 77	.0	.1	.0*	.3	.4	.3	.3	.2	.1	.1	.0*	.0	.0	.0*	.0	.0	.0	162	162	3	1
>= 75	.0	.1	.3	.4	.7	.5	.3	.1	.2	.1	.0*	.0	.0	.0	.0	.0	.0	244	244	26	7
>= 73	.0*	.3	.8	.8	.5	.5	.4	.2	.1	.1	.0*	.0	.0	.0	.0	.0	.0	352	352	85	23
>= 71	.1	.9	1.2	.8	.7	.5	.3	.3	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	477	477	189	82
>= 69	.2	1.3	1.6	.9	.7	.6	.6	.3	.2	.1	.0*	.0	.0	.0	.0	.0	.0	617	617	355	179
>= 67	.3	1.8	2.4	1.2	.8	.8	.4	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	774	774	496	310
>= 65	.6	2.1	2.4	1.5	1.0	.9	.6	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	906	906	630	514
>= 63	.6	2.4	2.2	2.0	1.2	.9	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	959	959	733	578
>= 61	.5	2.2	1.6	1.6	1.3	.9	.6	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	848	848	817	613
>= 59	.3	1.7	1.7	1.5	1.2	1.0	.5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	763	763	798	670
>= 57	.3	1.3	1.3	1.3	1.0	.7	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	588	588	804	617
>= 55	.3	1.1	1.5	1.0	1.0	.6	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	543	543	730	640
>= 53	.1	1.0	1.3	1.3	.8	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	486	486	694	582
>= 51	.1	.8	1.1	.9	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	370	370	666	551
>= 49	.2	.8	1.1	.6	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	307	307	593	577
>= 47	.1	.9	.9	.3	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	263	263	526	554
>= 45	.1	.7	.7	.2	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	182	182	427	526
>= 43	.0*	.4	.6	.3	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	143	143	302	485
>= 41	.0*	.3	.3	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	82	82	208	449
>= 39	.0*	.2	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	56	157	398
>= 37	.0*	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	26	90	277
>= 35	.0*	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	22	55	228
>= 33	.0	.0*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7	39	163
>= 31	.0	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7	15	128
>= 29	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	10	104
>= 27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	3	66
>= 25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	1	60
>= 23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	27
>= 21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	21
>= 19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	9
>= 17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	8
>= 15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	4
>= 13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
>= 11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2
>= 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : OCT
PAGE 2

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30				
TOTAL	3.9	20.5	23.7	17.5	13.5	9.9	5.9	2.8	1.4	.6	.3	.0*	.0	.0*	.0	.0	.0	9452	9456	9452	9455

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS
28 - REL HUM	678865.	51538873.	71.8	17.169	9453
15 - DRY BULB	584981.	36964527.	61.9	9.057	9456
16 - WET BULB	533083.	30763477.	56.4	8.595	9452
17 - DEW PT.	490231.	26500017.	51.8	10.699	9455

40 - MEAN NO. OF HOURS WITH TEMP.

	<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
15 - DRY BULB	.0	.6	227.7	80.6	15.8	.2	744
16 - WET BULB	75.9	78.2	90.8	9.0	.0	.0	744
17 - DEW PT.	.0	33.9	47.4	2.4	.0	.0	744

3 - PSYCHROMETRIC SUMMARY

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : NOV
PAGE 1

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL	TOTAL OBS		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	D.B./ W.B.	DRY BULB	WET BULB	DEW PT.
>= 83	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 81	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	8	8	0	0
>= 79	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0*	.0	.0*	.0	.0	.0	.0	.0	31	31	0	0
>= 77	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0*	.0	.0	.0	.0	.0	.0	35	35	0	0
>= 75	.0	.0*	.0*	.1	.2	.1	.2	.1	.0*	.0*	.0	.0*	.0	.0	.0	.0	.0	71	71	0	0
>= 73	.0	.0	.1	.2	.2	.1	.2	.1	.2	.0*	.0*	.0*	.0	.0	.0	.0	.0	102	102	4	0
>= 71	.0*	.0	.3	.2	.3	.3	.1	.1	.1	.1	.0*	.0	.0	.0	.0	.0	.0	138	138	10	3
>= 69	.0	.2	.6	.5	.4	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	228	228	40	4
>= 67	.0*	.5	.8	.4	.3	.3	.3	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	258	258	123	32
>= 65	.2	1.0	.9	.6	.4	.3	.3	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	356	356	206	121
>= 63	.2	1.5	1.1	.7	.4	.3	.3	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	458	458	304	190
>= 61	.3	1.6	1.2	.9	.7	.6	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	535	535	398	284
>= 59	.5	1.8	1.5	.9	.7	.7	.3	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	603	603	434	363
>= 57	.3	1.5	1.4	.9	.9	.6	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	557	557	469	357
>= 55	.4	1.4	1.5	1.5	.9	.9	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	648	648	541	403
>= 53	.3	1.4	1.7	1.3	1.1	.7	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	631	631	483	420
>= 51	.3	1.1	1.6	1.6	1.2	.8	.3	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	633	633	533	416
>= 49	.3	1.4	1.9	1.5	1.3	.9	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	674	674	615	423
>= 47	.2	1.5	1.1	1.4	1.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	588	588	657	424
>= 45	.4	1.4	1.6	1.4	1.3	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	595	595	698	522
>= 43	.3	1.0	1.5	1.4	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	479	479	612	508
>= 41	.2	.8	1.3	1.3	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	399	399	601	535
>= 39	.3	.8	1.1	1.2	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	348	348	651	470
>= 37	.2	.8	.9	.8	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	249	249	463	469
>= 35	.2	.6	.9	.5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	210	210	447	516
>= 33	.0*	.5	.5	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	125	125	291	436
>= 31	.0*	.4	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	82	82	226	435
>= 29	.0*	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	51	113	433
>= 27	.0*	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	23	87	361
>= 25	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	14	40	286
>= 23	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	22	244
>= 21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	7	174
>= 19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	112
>= 17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	70
>= 15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	63
>= 13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	38
>= 11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	18
>= 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2
>= 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	4
>= 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
>= 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2

3 - PSYCHROMETRIC SUMMARY

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : NOV

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30				
TOTAL	4.4	21.6	24.1	19.8	14.2	8.2	4.1	1.8	1.2	.3	.1	.0*	.0	.0	.0	.0	.0	9135	9139	9135	9139

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS
28 - REL HUM	632210.	46766314.	69.2	18.148	9134
15 - DRY BULB	483350.	26527620.	52.9	10.270	9139
16 - WET BULB	436781.	21763075.	47.8	9.809	9135
17 - DEW PT.	385206.	17623828.	42.1	12.322	9139

40 - MEAN NO. OF HOURS WITH TEMP.

	<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
15 - DRY BULB	.0	13.8	68.7	19.5	1.5	.0	720
16 - WET BULB	74.5	113.5	14.0	.3	.0	.0	720
17 - DEW PT.	.0	176.7	3.1	.0	.0	.0	720

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : DEC

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL O.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30				
>= 81	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	0	0
>= 79	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	0	0
>= 77	.0	.0	.0	.0	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	0	0
>= 75	.0	.0	.0	.0*	.0*	.0*	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	10	10	0	0
>= 73	.0	.0	.0	.0*	.1	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	30	30	0	0
>= 71	.0	.0	.1	.1	.0*	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	36	36	0	0
>= 69	.0	.0*	.1	.2	.1	.1	.1	.0*	.0	.0	.0	.0	.0*	.0	.0	.0	.0	65	65	8	0
>= 67	.0*	.1	.2	.2	.1	.1	.1	.0*	.1	.0*	.0	.0	.0	.0	.0	.0	.0	93	93	23	8
>= 65	.1	.3	.4	.3	.2	.2	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	153	153	46	24
>= 63	.1	.5	.4	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	180	180	95	53
>= 61	.2	.7	.5	.6	.3	.1	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	244	244	152	94
>= 59	.2	1.0	.5	.5	.3	.2	.2	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	295	295	221	150
>= 57	.2	.9	.7	.5	.3	.2	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	298	298	241	182
>= 55	.4	1.1	.8	.5	.3	.4	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	359	359	288	193
>= 53	.5	1.1	1.1	.7	.6	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	449	449	326	268
>= 51	.3	1.2	1.3	.8	.6	.5	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	482	482	317	277
>= 49	.5	1.7	1.5	.9	.8	.6	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	602	602	433	318
>= 47	.4	1.5	1.2	1.2	1.2	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	598	598	463	353
>= 45	.5	1.8	1.5	1.5	1.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	680	680	564	375
>= 43	.6	1.7	1.6	1.9	1.1	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	697	697	555	399
>= 41	.5	1.2	1.8	2.2	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	645	645	644	397
>= 39	.4	1.2	1.9	1.8	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	590	590	688	416
>= 37	.3	1.1	1.9	1.9	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	569	569	665	422
>= 35	.4	1.3	1.8	1.5	.5	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	529	529	685	454
>= 33	.3	1.5	2.0	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	477	477	649	468
>= 31	.2	1.2	1.7	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	397	397	593	488
>= 29	.3	1.3	1.7	.7	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	389	389	550	611
>= 27	.2	1.1	1.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	277	277	427	580
>= 25	.1	.7	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	194	194	359	552
>= 23	.1	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	97	97	257	479
>= 21	.1	.3	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	60	166	432
>= 19	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	44	82	381
>= 17	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	26	48	293
>= 15	.0*	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	10	27	267
>= 13	.0	.0*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6	8	195
>= 11	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	4	131
>= 9	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	5	126
>= 7	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	2	88
>= 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	2	42
>= 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	33
>= 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	13
>= -1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	11
>= -3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	6
>= -5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	3
>= -7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	7
>= -9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
>=-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	4

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : DEC

DRY-BULB TEMP. (DEG F) — % FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)

	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	TOTAL OBS WET BULB	TOTAL OBS DEW PT.
TOTAL	6.8	25.5	27.8	21.0	10.7	4.7	2.3	1.0	.2	.1	.0	.0*	.0	.0	.0	.0	.0	9593	9596	9593	9595

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS
28 - REL HUM	661646.	48851194.	69.0	18.312	9593
15 - DRY BULB	424205.	19948581.	44.2	11.165	9596
16 - WET BULB	383891.	16465889.	40.0	10.725	9593
17 - DEW PT.	324341.	12715035.	33.8	13.511	9595

40 - MEAN NO. OF HOURS WITH TEMP.

	<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
	.0	116.8	18.6	3.6	.2	.0	744
	82.4	278.7	2.4	.0	.0	.0	744
	2.6	367.9	.6	.0	.0	.0	744

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : ANN
PAGE 1

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	WET BULB	DEW PT.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30				
>=103	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0*	.0	.0	.0*	.0	3	3	0	0
>=101	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0*	.0	.0	.0	.0	.0*	.0*	.0	4	4	0	0
>= 99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	.0*	.0	.0*	.0*	.0	8	8	0	0
>= 97	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	.0	42	42	0	0
>= 95	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	104	104	0	0
>= 93	.0	.0	.0	.0	.0	.0	.0*	.1	.1	.1	.0*	.0*	.0*	.0*	.0	.0	.0	227	227	0	0
>= 91	.0	.0	.0	.0*	.0*	.0*	.1	.1	.1	.1	.0*	.0*	.0*	.0*	.0*	.0	.0	491	491	0	0
>= 89	.0	.0	.0	.0*	.0*	.1	.2	.2	.1	.1	.0*	.0*	.0*	.0*	.0	.0	.0	795	795	0	0
>= 87	.0	.0	.0*	.0*	.1	.2	.3	.2	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	1131	1131	1	0
>= 85	.0	.0	.0*	.1	.2	.4	.3	.2	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	1648	1648	1	0
>= 83	.0	.0*	.0*	.2	.4	.5	.3	.2	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	2106	2106	10	1
>= 81	.0	.0*	.1	.5	.5	.4	.3	.2	.1	.1	.0*	.0*	.0*	.0*	.0	.0	.0	2582	2582	91	10
>= 79	.0*	.1	.5	.7	.6	.5	.3	.2	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	3512	3512	577	50
>= 77	.0*	.4	1.0	.8	.6	.4	.3	.2	.1	.1	.0*	.0*	.0*	.0*	.0	.0	.0	4490	4490	1868	371
>= 75	.1	.9	1.3	.9	.6	.4	.3	.2	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	5564	5564	3878	1461
>= 73	.2	1.1	1.4	.9	.6	.4	.3	.2	.1	.0*	.0*	.0*	.0	.0*	.0	.0	.0	5685	5685	5371	3635
>= 71	.2	1.0	1.3	.8	.5	.5	.3	.2	.1	.0*	.0*	.0	.0*	.0	.0	.0	.0	5518	5518	5908	4905
>= 69	.2	.9	1.3	.9	.5	.4	.3	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	5292	5292	5960	5536
>= 67	.2	.8	1.2	.7	.5	.3	.2	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	4826	4826	5478	5361
>= 65	.2	.9	1.1	.7	.5	.3	.2	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	4579	4579	5475	4926
>= 63	.2	.9	.9	.7	.5	.3	.2	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	4444	4444	5346	5000
>= 61	.2	1.0	.8	.7	.5	.3	.2	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	4296	4296	5093	4848
>= 59	.2	.9	.8	.6	.5	.4	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	4249	4249	4830	4766
>= 57	.2	.8	.8	.6	.4	.3	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	3833	3833	4438	4409
>= 55	.2	.8	.8	.6	.4	.4	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	3888	3888	4371	4302
>= 53	.2	.7	.8	.6	.5	.3	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	3674	3674	3951	4149
>= 51	.2	.7	.8	.5	.5	.3	.2	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	3530	3530	3882	3798
>= 49	.2	.7	.8	.6	.5	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	3730	3730	4003	3671
>= 47	.2	.8	.7	.6	.5	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	3520	3520	3937	3542
>= 45	.2	.9	.8	.7	.5	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3811	3811	4121	3677
>= 43	.2	.8	.8	.8	.5	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3739	3739	3831	3495
>= 41	.2	.6	.9	.8	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3352	3352	3917	3457
>= 39	.2	.7	.8	.7	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3211	3211	4096	3350
>= 37	.2	.7	.8	.6	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2747	2747	3715	3252
>= 35	.2	.6	.7	.5	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2455	2455	3542	3289
>= 33	.1	.6	.6	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2048	2048	3043	3202
>= 31	.1	.5	.5	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1730	1730	2638	3149
>= 29	.1	.4	.5	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1475	1475	2235	3181
>= 27	.1	.4	.5	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1164	1164	1748	2768
>= 25	.0*	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	788	788	1450	2524
>= 23	.0*	.2	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	493	493	1094	2218
>= 21	.0*	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	308	308	690	1915
>= 19	.0*	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	240	240	440	1618
>= 17	.0*	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	142	142	279	1312
>= 15	.0*	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	85	85	158	1170

>= 7	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	7	397
>= 5	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	5	245

3 - PSYCHROMETRIC SUMMARY

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987 — MONTH : ANN

DRY-BULB TEMP. (DEG F)	% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL D.B./ W.B.	TOTAL OBS DRY BULB	WET BULB	DEW PT.
>= 3	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	3	152
>= 1	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	2	100
>= -1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	3	74
>= -3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	61
>= -5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	27
>= -7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	24
>= -9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	10
>=-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	12
>=-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
>=-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	3
>=-17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	3
>=-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2
>=-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
>=-23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	3
>=-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
>=-27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0
>=-29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
TOTAL	4.5	20.5	24.1	18.1	12.2	8.5	5.4	3.3	1.9	.9	.4	.1	.0*	.0*	.0*	.0*	.0	111641	111679	111641	111679

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS
28 - REL HUM	7856696.	588675744.	70.6	17.539	111336
15 - DRY BULB	6638659.	424507239.	59.6	16.147	111447
16 - WET BULB	6023861.	350577205.	54.1	14.862	111337
17 - DEW PT.	5461750.	301255164.	49.0	17.361	111448

40 - MEAN NO. OF HOURS WITH TEMP.

	<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
28 - REL HUM							
15 - DRY BULB	.2	510.7	3454.9	2228.3	852.9	30.4	8760
16 - WET BULB	946.1	1801.7	2286.7	925.7	25.0	.0	8760
17 - DEW PT.	17.5	1821.0	1673.1	433.6	1.8	.0	8760

NOTES :

* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JAN

TEMP. (DEG F)	WIND DIRECTION NNW & N	NNE &NE	ENE & E	ESE &SE	SSE & S	SSW &SW	WSW & W	WNW &NW	CALM	TOTAL FREQ.	% OF TOTAL
>= 77	.0	.0	.0	.0	.0	50.0	50.0	.0	.0	2	.0*
>= 72	.0	.0	.0	.0	12.5	59.4	21.9	3.1	3.1	32	.3
>= 67	.0	.0	.0	1.6	22.8	52.0	21.1	1.6	.8	123	1.3
>= 62	1.6	.4	.0	2.7	22.7	52.3	15.6	4.3	.4	256	2.7
>= 57	2.3	.6	1.0	5.2	24.1	41.0	21.4	4.0	.4	519	5.5
>= 52	4.7	1.9	6.1	9.3	18.1	29.4	22.0	5.5	3.0	623	6.6
>= 47	10.4	8.9	9.6	8.3	8.3	19.8	18.1	11.0	5.6	844	9.0
>= 42	18.8	16.0	10.8	4.8	5.8	12.2	15.3	8.3	8.1	1525	16.2
>= 37	28.7	11.8	6.1	3.3	5.1	10.0	12.4	11.8	11.0	1716	18.2
>= 32	34.1	8.3	3.3	1.8	3.5	7.9	11.4	15.0	14.6	1612	17.1
>= 27	37.0	7.8	1.3	.8	3.4	7.2	12.2	12.7	17.5	1193	12.7
>= 22	29.4	8.3	.3	.7	2.8	7.3	13.4	17.2	20.6	603	6.4
>= 17	22.3	4.3	.0	.0	2.7	10.2	22.7	14.5	23.4	256	2.7
>= 12	17.2	1.1	.0	.0	.0	9.2	37.9	23.0	11.5	87	.9
>= 7	.0	.0	.0	.0	.0	16.7	66.7	16.7	.0	12	.1
>= 2	.0	.0	.0	.0	.0	.0	57.1	42.9	.0	7	.1
>= -3	.0	.0	.0	.0	.0	.0	100.0	.0	.0	2	.0*
TOTALS	22.9	8.8	4.9	3.6	7.4	15.2	15.3	11.2	10.8	9412	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : FEB
PAGE 1

TEMP. (DEG F)	WIND DIRECTION NNW & N	NNE &NE	ENE & E	ESE &SE	SSE & S	SSW &SW	WSW & W	WNW &NW	CALM	TOTAL FREQ.	% OF TOTAL
>= 77	.0	.0	.0	.0	10.0	80.0	.0	.0	10.0	10	.1
>= 72	.0	.0	.0	.0	16.2	54.1	24.3	5.4	.0	37	.4
>= 67	.0	.7	.7	5.9	18.5	51.9	18.5	3.0	.7	135	1.6
>= 62	2.9	1.1	1.8	3.6	21.7	43.3	20.6	4.7	.4	277	3.3
>= 57	4.1	.4	1.5	7.7	24.3	32.4	23.2	5.4	1.0	518	6.1
>= 52	7.3	3.1	5.6	13.4	19.1	22.5	19.4	6.0	3.5	648	7.6
>= 47	13.8	6.4	10.3	10.9	12.7	17.6	14.4	9.8	4.1	884	10.4
>= 42	18.9	13.8	13.6	8.0	8.0	9.0	11.4	10.0	7.2	1394	16.4
>= 37	25.1	18.7	9.9	4.0	5.5	5.9	9.6	11.2	10.0	1633	19.3
>= 32	32.1	13.7	4.7	2.5	4.4	5.8	9.5	13.2	14.2	1396	16.5
>= 27	31.0	7.4	1.5	1.0	3.4	6.3	10.0	16.3	23.0	918	10.8
>= 22	32.4	9.0	.5	.5	2.5	6.4	8.5	14.0	26.2	435	5.1
>= 17	26.8	7.0	.0	.0	.6	3.8	9.6	21.7	30.6	157	1.9
>= 12	10.8	10.8	.0	.0	.0	2.7	24.3	24.3	27.0	37	.4
>= 7	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1	.0*
TOTALS	21.1	10.6	6.8	5.5	9.0	12.8	12.6	11.0	10.8	8480	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : MAR

TEMP. (DEG F)	WIND DIRECTION NNW & N	NNE &NE	ENE & E	ESE &SE	SSE & S	SSW &SW	WSW & W	WNW &NW	CALM	TOTAL FREQ.	% OF TOTAL
>= 87	.0	.0	.0	.0	.0	.0	100.0	.0	.0	1	.0*
>= 82	.0	.0	.0	3.4	3.4	58.6	34.5	.0	.0	29	.3
>= 77	1.0	.0	2.0	2.0	5.0	48.5	37.6	3.0	1.0	101	1.1
>= 72	.6	.6	2.4	4.8	12.6	55.7	20.4	2.4	.6	167	1.7
>= 67	2.0	.7	2.0	4.2	23.5	41.9	23.0	2.2	.5	408	4.3
>= 62	3.2	.5	2.7	5.5	29.0	38.2	16.0	3.5	1.5	600	6.3
>= 57	6.9	2.6	5.8	11.3	20.6	27.8	15.9	7.0	2.1	844	8.8
>= 52	12.3	6.6	10.2	15.9	15.0	16.3	11.8	6.8	5.2	1167	12.2
>= 47	18.3	9.8	15.4	13.6	9.4	8.6	10.2	10.6	4.2	1535	16.1
>= 42	21.1	16.3	14.9	9.3	6.3	5.3	8.2	10.7	7.8	2026	21.2
>= 37	26.2	13.5	8.5	4.7	5.9	5.3	8.7	12.7	14.5	1501	15.7
>= 32	29.6	9.9	3.7	1.9	5.2	5.1	11.1	16.1	17.6	751	7.9
>= 27	22.9	9.1	1.5	2.1	2.1	4.4	11.7	19.6	26.7	341	3.6
>= 22	31.8	10.6	.0	1.5	.0	9.1	4.5	27.3	15.2	66	.7
>= 17	58.3	16.7	.0	.0	.0	8.3	8.3	.0	8.3	12	.1
TOTALS	17.4	9.4	9.4	8.7	11.0	14.3	11.8	10.0	8.0	9549	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : APR
PAGE 1

TEMP. (DEG F)	WIND DIRECTION NNW & N	NNE &NE	ENE & E	ESE &SE	SSE & S	SSW &SW	WSW & W	WNW &NW	CALM	TOTAL FREQ.	% OF TOTAL
>= 92	.0	.0	.0	20.0	20.0	20.0	40.0	.0	.0	5	.1
>= 87	7.4	.0	7.4	7.4	.0	44.4	25.9	7.4	.0	27	.3
>= 82	3.8	1.5	3.0	4.5	6.8	48.5	26.5	5.3	.0	132	1.4
>= 77	4.0	1.8	2.9	6.5	13.0	43.7	24.2	4.0	.0	277	3.0
>= 72	5.7	1.5	4.4	10.3	16.8	38.5	17.3	4.4	1.1	543	5.9
>= 67	5.0	2.6	4.6	10.1	21.0	35.2	15.9	4.3	1.3	839	9.1
>= 62	7.2	4.5	6.9	10.4	18.9	28.3	15.3	5.1	3.3	1256	13.6
>= 57	14.4	8.3	12.7	13.1	14.2	14.4	10.1	7.1	5.6	1551	16.8
>= 52	16.6	13.9	15.9	12.1	10.5	8.2	8.4	7.4	6.9	1831	19.8
>= 47	17.4	14.8	14.2	11.7	8.1	5.9	8.4	10.1	9.3	1490	16.1
>= 42	19.4	11.0	10.0	5.3	6.7	8.0	12.6	8.9	18.1	928	10.0
>= 37	16.1	7.6	3.0	2.6	6.3	7.9	13.8	8.9	33.9	304	3.3
>= 32	15.0	3.3	.0	.0	.0	8.3	11.7	16.7	45.0	60	.6
>= 27	.0	.0	.0	.0	.0	.0	.0	25.0	75.0	4	.0*
TOTALS	13.1	8.9	10.4	10.3	12.6	17.6	12.2	7.1	7.7	9247	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAY
PAGE 1

TEMP. (DEG F)	WIND DIRECTION NNW & N	NNE &NE	ENE & E	ESE &SE	SSE & S	SSW &SW	WSW & W	WNW &NW	CALM	TOTAL FREQ.	% OF TOTAL
>= 92	16.7	.0	.0	16.7	.0	16.7	50.0	.0	.0	6	.1
>= 87	3.5	.0	.9	4.3	6.1	35.7	40.0	9.6	.0	115	1.2
>= 82	4.3	2.9	5.6	7.7	8.5	37.2	25.8	5.6	2.4	376	4.0
>= 77	5.2	2.6	7.1	13.2	17.1	29.6	19.4	4.4	1.3	689	7.3
>= 72	5.9	2.4	10.1	13.3	18.3	28.3	14.1	5.0	2.6	1214	12.8
>= 67	8.7	5.8	11.4	13.3	18.1	23.8	10.5	3.9	4.6	1889	19.9
>= 62	10.3	12.6	15.4	14.5	14.1	14.3	8.1	3.8	7.0	1937	20.4
>= 57	13.9	20.0	15.8	11.3	8.6	8.2	6.3	5.1	11.0	1764	18.6
>= 52	13.9	20.3	12.5	9.2	8.1	7.8	7.4	4.3	16.5	1020	10.8
>= 47	13.8	14.3	11.4	3.7	4.8	8.2	11.7	5.0	27.1	377	4.0
>= 42	2.4	2.4	2.4	4.8	1.2	18.1	13.3	7.2	48.2	83	.9
>= 37	.0	.0	.0	.0	14.3	.0	14.3	.0	71.4	7	.1
TOTALS	9.9	10.8	12.2	11.9	13.2	18.2	11.1	4.5	8.2	9477	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUN
PAGE 1

TEMP. (DEG F)	WIND DIRECTION NNW & N	NNE &NE	ENE & E	ESE &SE	SSE & S	SSW &SW	WSW & W	WNW &NW	CALM	TOTAL FREQ.	% OF TOTAL
>=102	.0	.0	50.0	.0	.0	.0	50.0	.0	.0	2	.0*
>= 97	11.1	.0	5.6	.0	5.6	38.9	33.3	5.6	.0	18	.2
>= 92	10.7	1.8	2.7	7.1	8.0	30.4	30.4	8.0	.9	112	1.2
>= 87	7.5	3.9	4.5	8.2	8.2	40.0	21.6	5.2	.9	440	4.8
>= 82	6.1	3.4	8.5	15.3	16.3	28.8	14.7	5.5	1.4	931	10.1
>= 77	7.3	5.5	12.1	16.2	17.1	24.0	10.3	4.4	3.0	1575	17.1
>= 72	6.4	7.1	11.7	15.0	15.0	24.1	11.5	4.0	5.1	2339	25.3
>= 67	8.9	11.6	15.5	11.0	12.5	17.0	8.5	4.2	10.8	2132	23.1
>= 62	8.9	18.0	17.0	8.8	8.7	8.9	6.4	4.6	18.6	1168	12.7
>= 57	8.3	23.4	8.3	3.4	3.4	8.0	11.4	5.8	28.0	411	4.5
>= 52	5.7	4.6	2.3	2.3	1.1	8.0	11.5	3.4	60.9	87	.9
>= 47	.0	.0	.0	.0	.0	6.7	33.3	.0	60.0	15	.2
>= 42	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2	.0*
TOTALS	7.6	9.3	12.3	12.4	13.0	21.0	11.1	4.5	8.8	9232	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUL
PAGE 1

TEMP. (DEG F)	WIND DIRECTION NNW & N	NNE &NE	ENE & E	ESE &SE	SSE & S	SSW &SW	WSW & W	WNW &NW	CALM	TOTAL FREQ.	% OF TOTAL
>=102	.0	.0	.0	.0	.0	100.0	.0	.0	.0	1	.0*
>= 97	10.5	5.3	.0	10.5	.0	36.8	26.3	10.5	.0	19	.2
>= 92	7.0	3.0	2.6	5.2	9.6	37.4	20.9	14.3	.0	230	2.4
>= 87	6.0	1.9	8.0	10.4	12.4	34.9	19.6	5.7	1.1	789	8.3
>= 82	6.4	3.5	12.7	14.9	16.2	26.6	13.3	4.2	2.2	1422	15.0
>= 77	6.1	7.3	12.9	13.0	14.2	25.8	13.0	2.6	5.1	2508	26.5
>= 72	5.2	9.9	10.4	10.8	13.1	24.0	11.5	2.7	12.5	3025	32.0
>= 67	7.1	13.1	8.2	6.2	10.0	16.6	9.7	2.8	26.5	1163	12.3
>= 62	8.1	6.5	2.8	2.8	4.5	9.8	8.5	3.3	53.7	246	2.6
>= 57	.0	6.8	2.3	.0	2.3	15.9	22.7	.0	50.0	44	.5
>= 52	.0	.0	.0	.0	25.0	25.0	25.0	.0	25.0	4	.0*
TOTALS	6.0	7.7	10.5	11.0	13.0	24.8	12.9	3.4	10.7	9451	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : AUG
PAGE 1

TEMP. (DEG F)	WIND DIRECTION NNW & N	NNE &NE	ENE & E	ESE &SE	SSE & S	SSW &SW	WSW & W	WNW &NW	CALM	TOTAL FREQ.	% OF TOTAL
>=102	.0	.0	.0	.0	.0	.0	100.0	.0	.0	1	.0*
>= 97	7.7	7.7	.0	.0	15.4	38.5	30.8	.0	.0	13	.1
>= 92	3.8	.0	1.9	5.1	8.2	53.8	23.4	3.2	.6	158	1.7
>= 87	6.3	1.4	8.7	9.9	15.3	34.1	18.9	3.6	1.9	587	6.2
>= 82	9.1	4.7	15.6	15.1	16.2	21.6	10.4	4.4	2.9	1397	14.7
>= 77	6.9	10.0	16.4	14.5	16.3	19.1	8.4	3.0	5.5	2419	25.5
>= 72	6.5	13.1	12.3	9.1	12.8	19.2	10.0	2.7	14.3	3090	32.6
>= 67	9.4	17.7	8.8	4.4	7.6	13.0	8.1	4.2	26.9	1389	14.7
>= 62	7.6	9.6	3.8	.6	3.2	9.9	10.2	4.7	50.4	343	3.6
>= 57	6.1	6.1	3.0	.0	.0	1.5	13.6	3.0	66.7	66	.7
>= 52	.0	.0	.0	.0	.0	11.1	11.1	11.1	66.7	9	.1
TOTALS	7.4	10.6	12.5	10.2	13.1	19.7	10.2	3.4	12.9	9472	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

D13769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : SEP
PAGE 1

TEMP. (DEG F)	WIND DIRECTION NNW & N	NNE &NE	ENE & E	ESE &SE	SSE & S	SSW &SW	WSW & W	WNW &NW	CALM	TOTAL FREQ.	% OF TOTAL
>= 97	.0	.0	.0	.0	33.3	33.3	33.3	.0	.0	3	.0*
>= 92	2.5	.0	5.0	7.5	7.5	22.5	37.5	15.0	2.5	40	.4
>= 87	4.6	1.8	9.7	6.9	13.8	33.6	24.4	3.7	1.4	217	2.4
>= 82	6.3	5.8	11.0	16.3	14.4	26.3	14.4	4.4	1.3	639	7.0
>= 77	8.0	8.4	17.5	16.4	15.4	18.0	8.7	3.4	4.2	1342	14.7
>= 72	8.8	15.2	19.7	9.6	12.1	14.1	7.4	3.8	9.3	2636	28.9
>= 67	11.6	25.0	15.9	6.7	8.2	10.0	4.8	3.7	14.2	2229	24.4
>= 62	18.8	21.6	7.5	3.0	4.3	7.4	6.5	4.4	26.6	1313	14.4
>= 57	14.4	12.5	5.9	2.2	2.4	8.5	10.5	4.8	38.7	542	5.9
>= 52	7.1	3.9	3.2	.0	1.3	11.6	17.4	2.6	52.9	155	1.7
>= 47	5.3	.0	.0	.0	10.5	5.3	10.5	.0	68.4	19	.2
TOTALS	10.8	16.1	14.6	8.7	10.0	13.7	8.2	3.9	14.1	9135	100.0

NOTES :
* = PERCENT < .05

MOORE BUSINESS FORMS, INC.

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : OCT
PAGE 1

TEMP. (DEG F)	WIND DIRECTION NNW & N	NNE &NE	ENE & E	ESE &SE	SSE & S	SSW &SW	WSW & W	WNW &NW	CALM	TOTAL FREQ.	% OF TOTAL
>= 92	33.3	.0	.0	.0	.0	.0	66.7	.0	.0	3	.0*
>= 87	6.7	.0	6.7	.0	6.7	33.3	46.7	.0	.0	15	.2
>= 82	1.9	.0	5.6	4.7	12.1	52.3	20.6	1.9	.9	107	1.1
>= 77	4.0	2.0	7.0	14.6	14.9	36.1	16.6	2.0	3.0	302	3.2
>= 72	8.5	7.2	15.2	13.8	18.4	21.8	9.4	3.2	2.4	820	8.7
>= 67	10.5	15.8	20.0	10.1	11.7	14.0	7.2	5.2	5.4	1643	17.4
>= 62	15.3	20.5	19.1	6.7	7.7	8.4	5.7	6.1	10.5	2298	24.3
>= 57	20.2	18.6	11.8	3.3	5.7	10.0	6.8	7.2	16.4	1766	18.7
>= 52	26.5	13.5	3.3	1.3	3.7	9.8	10.9	9.2	21.8	1228	13.0
>= 47	23.5	5.1	.8	.8	3.1	13.9	13.2	9.9	29.7	741	7.8
>= 42	13.6	3.0	.5	.5	2.4	16.0	17.1	9.2	37.5	368	3.9
>= 37	6.7	5.0	.0	.0	1.7	21.7	22.5	6.7	35.8	120	1.3
>= 32	.0	.0	.0	.0	.0	25.0	28.1	.0	46.9	32	.3
>= 27	.0	.0	.0	.0	.0	40.0	.0	.0	60.0	5	.1
TOTALS	16.1	14.2	12.5	6.0	8.0	13.4	9.1	6.5	14.2	9448	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : NOV
PAGE 1

TEMP. (DEG F)	WIND DIRECTION NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
>= 82	.0	.0	.0	.0	40.0	40.0	20.0	.0	.0	5	.1
>= 77	.0	.0	1.4	2.9	21.4	48.6	21.4	2.9	1.4	70	.8
>= 72	3.7	1.2	4.1	7.0	20.2	40.3	19.8	2.5	1.2	243	2.7
>= 67	3.2	2.2	8.3	9.6	24.7	30.9	15.0	3.2	2.9	554	6.1
>= 62	6.5	5.8	12.5	12.9	19.9	21.3	11.9	4.0	5.2	1079	11.8
>= 57	14.3	10.7	12.6	9.5	12.9	14.5	10.9	6.8	7.8	1431	15.7
>= 52	19.6	13.8	10.2	6.7	8.3	11.5	11.0	8.9	10.0	1595	17.5
>= 47	27.6	12.9	4.2	2.0	4.3	10.4	12.0	12.4	14.2	1581	17.3
>= 42	26.9	9.0	1.9	.8	3.6	9.5	15.3	14.4	18.5	1306	14.3
>= 37	20.4	5.4	.8	.8	3.0	9.2	19.1	15.9	25.4	763	8.4
>= 32	12.6	3.4	.3	.5	3.4	15.3	19.5	13.2	31.8	380	4.2
>= 27	12.6	.0	.0	.0	1.8	17.1	21.6	11.7	35.1	111	1.2
>= 22	21.1	.0	.0	.0	.0	26.3	26.3	10.5	15.8	19	.2
TOTALS	17.8	9.1	6.9	5.5	9.7	15.0	13.6	9.6	12.8	9137	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : DEC
PAGE 1

TEMP. (DEG F)	WIND DIRECTION NNW & N	NNE &NE	ENE & E	ESE &SE	SSE & S	SSW &SW	WSW & W	WNW &NW	CALM	TOTAL FREQ.	% OF TOTAL
>= 82	.0	.0	.0	.0	.0	100.0	.0	.0	.0	2	.0*
>= 77	.0	.0	.0	.0	25.0	75.0	.0	.0	.0	4	.0*
>= 72	.0	.0	.0	1.8	7.0	50.9	38.6	1.8	.0	57	.6
>= 67	.0	.0	.0	2.3	18.1	52.0	23.2	2.6	1.7	177	1.8
>= 62	1.3	.7	1.1	2.0	29.9	40.3	20.6	3.3	.9	461	4.8
>= 57	4.2	2.7	4.2	6.6	25.7	31.0	19.9	3.4	2.3	709	7.4
>= 52	7.2	8.1	12.3	10.9	16.0	20.3	14.4	5.4	5.3	1047	10.9
>= 47	15.0	12.1	11.4	6.4	8.1	15.5	13.9	10.4	7.2	1443	15.0
>= 42	25.0	14.6	6.6	2.7	5.1	12.2	12.7	11.5	9.5	1711	17.8
>= 37	31.1	9.9	2.9	1.4	4.1	10.7	13.9	14.2	11.8	1470	15.3
>= 32	26.7	8.8	.9	.6	4.5	11.1	15.4	15.7	16.3	1237	12.9
>= 27	25.5	7.1	1.0	.6	2.3	9.1	14.5	17.0	23.0	835	8.7
>= 22	24.2	4.8	.0	.0	3.0	10.9	15.1	17.2	24.8	331	3.4
>= 17	8.9	.0	.0	.0	3.3	8.9	24.4	20.0	34.4	90	.9
>= 12	11.8	.0	.0	.0	.0	11.8	35.3	35.3	5.9	17	.2
>= 7	.0	.0	.0	.0	.0	.0	60.0	20.0	20.0	5	.1
TOTALS	19.2	9.0	5.2	3.6	9.1	16.6	15.3	11.2	10.7	9596	100.0

NOTES :
* = PERCENT < .05

MOORE BUSINESS FORMS INC.

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : ANN
PAGE 1

TEMP. (DEG F)	WIND DIRECTION NNW & N	NNE &NE	ENE & E	ESE &SE	SSE & S	SSW &SW	WSW & W	WNW &NW	CALM	TOTAL FREQ.	% OF TOTAL
>=102	.0	.0	25.0	.0	.0	25.0	50.0	.0	.0	4	.0*
>= 97	9.4	3.8	1.9	3.8	7.5	37.7	30.2	5.7	.0	53	.0*
>= 92	6.7	1.6	2.5	6.0	8.7	39.0	25.5	9.6	.5	554	.5
>= 87	6.1	2.0	7.3	9.0	12.0	35.7	21.7	5.0	1.2	2191	2.0
>= 82	6.7	3.9	11.5	14.1	15.1	27.7	14.4	4.6	2.0	5040	4.5
>= 77	6.5	7.0	13.2	14.1	15.6	24.3	12.0	3.3	4.1	9299	8.3
>= 72	6.5	9.6	12.5	11.1	14.1	22.9	11.2	3.4	8.8	14203	12.7
>= 67	8.4	12.7	12.2	8.7	13.4	19.7	9.7	3.9	11.3	12681	11.4
>= 62	10.2	12.3	11.6	8.1	13.5	17.7	9.9	4.6	12.1	11234	10.1
>= 57	12.5	11.6	10.1	8.2	12.7	16.5	11.5	6.0	11.0	10165	9.1
>= 52	14.8	11.2	10.1	9.4	11.0	13.7	12.0	6.9	10.9	9414	8.4
>= 47	18.3	10.9	10.1	7.8	7.6	11.9	12.3	10.4	10.7	8929	8.0
>= 42	21.3	13.4	9.5	5.2	5.7	9.6	12.5	10.6	12.2	9343	8.4
>= 37	26.2	12.3	6.0	3.0	4.9	8.3	12.2	12.5	14.5	7514	6.7
>= 32	29.4	9.6	2.9	1.6	4.1	8.3	12.4	14.6	17.0	5468	4.9
>= 27	30.3	7.4	1.2	.9	2.9	7.5	12.4	15.4	22.0	3407	3.1
>= 22	29.1	7.7	.3	.5	2.6	8.2	12.1	16.6	22.9	1454	1.3
>= 17	22.1	4.7	.0	.0	2.1	8.0	18.6	17.3	27.2	515	.5
>= 12	14.9	3.5	.0	.0	.0	7.8	34.0	24.8	14.9	141	.1
>= 7	.0	.0	.0	.0	.0	11.1	61.1	16.7	11.1	18	.0*
>= 2	.0	.0	.0	.0	.0	.0	57.1	42.9	.0	7	.0*
>= -3	.0	.0	.0	.0	.0	.0	100.0	.0	.0	2	.0*
TOTALS	14.1	10.4	9.9	8.1	10.8	16.9	11.9	7.2	10.8	111636	100.0

NOTES :
* = PERCENT < .05

11 - SKY COVER

013769 OCEANA, VA
LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

MONTH	HOURS (LST)	PRECENTAGE FREQUENCY OF TOTAL SKY COVER (FROM HOURLY OBSERVATIONS) CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL
JAN	01	31.0	16.9	11.6	40.5	1116
	04	31.7	15.1	13.6	39.6	1116
	07	15.5	24.1	18.9	41.5	1158
	10	16.4	19.9	20.6	43.1	1157
	13	15.9	20.9	22.8	40.3	1156
	16	15.3	23.2	19.9	41.7	1157
	19	22.0	21.7	14.9	41.5	1116
	22	28.9	18.9	11.7	40.5	1116
	ALL	22.0	20.1	16.8	41.1	9092
FEB	01	32.6	14.3	11.8	41.3	1017
	04	31.8	15.7	10.9	41.6	1017
	07	14.3	25.4	17.8	42.6	1059
	10	18.1	19.7	19.6	42.6	1058
	13	16.4	20.2	21.2	42.3	1057
	16	17.1	19.1	19.5	44.4	1055
	19	21.5	21.9	16.7	40.0	1016
	22	28.9	18.2	12.2	40.6	1016
	ALL	22.5	19.3	16.3	41.9	8295
MAR	01	34.8	16.8	10.3	38.1	1116
	04	31.8	17.2	11.9	39.0	1115
	07	17.3	21.6	20.9	40.2	1165
	10	17.0	21.9	21.7	39.4	1165
	13	14.9	23.1	21.5	40.4	1165
	16	16.6	20.8	20.9	41.7	1165
	19	18.7	25.0	20.2	36.1	1118
	22	31.3	18.8	12.8	37.1	1117
	ALL	22.7	20.7	17.6	39.0	9126
APR	01	33.4	20.0	13.4	33.1	1080
	04	31.9	21.5	13.0	33.5	1082
	07	21.1	23.4	21.6	34.0	1125
	10	18.2	25.4	23.1	33.3	1126
	13	14.7	25.9	27.3	32.1	1126
	16	15.3	22.0	27.6	35.2	1125
	19	14.1	29.7	21.5	34.7	1087
	22	29.9	23.1	15.9	31.1	1082
	ALL	22.2	23.9	20.5	33.4	8833

11 - SKY COVER

013769 OCEANA, VA
LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

PRECENTAGE FREQUENCY OF TOTAL SKY COVER

MONTH	HOURS (LST)	(FROM HOURLY OBSERVATIONS) CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL
MAY	01	25.3	24.0	19.1	31.6	1116
	04	19.2	28.7	18.4	33.7	1117
	07	15.6	23.0	25.3	36.1	1163
	10	13.5	26.4	26.7	33.3	1161
	13	11.5	23.3	31.0	34.3	1161
	16	10.2	24.4	32.6	32.8	1156
	19	9.5	27.1	28.0	35.4	1118
	22	19.9	27.6	19.5	33.0	1116
	ALL	15.5	25.5	25.2	33.8	9108
JUN	01	25.0	28.9	19.8	26.3	1082
	04	14.6	34.0	25.7	25.7	1082
	07	13.9	30.1	28.9	27.2	1126
	10	12.3	28.8	31.1	27.8	1125
	13	6.8	30.4	34.8	28.0	1126
	16	9.4	29.5	35.1	26.0	1121
	19	9.5	26.1	34.5	29.9	1095
	22	18.8	30.3	24.2	26.7	1094
	ALL	13.7	29.8	29.3	27.2	8851
JUL	01	24.3	27.9	22.9	24.9	1116
	04	17.1	34.2	23.9	24.7	1116
	07	11.5	30.0	31.9	26.6	1157
	10	10.0	27.7	34.8	27.4	1157
	13	3.9	30.3	40.6	25.2	1157
	16	5.5	33.3	36.5	24.7	1148
	19	7.3	30.8	33.4	28.5	1117
	22	16.0	34.9	22.9	26.1	1117
	ALL	11.9	31.1	31.0	26.0	9085
AUG	01	21.2	31.6	26.0	21.1	1116
	04	20.1	33.3	24.1	22.5	1116
	07	10.8	32.0	34.9	22.3	1162
	10	10.8	30.7	37.2	21.3	1162
	13	5.3	33.2	39.2	22.3	1160
	16	8.4	31.7	38.6	21.3	1149
	19	7.8	34.3	32.8	25.1	1116
	22	17.8	32.5	25.8	23.8	1116
	ALL	12.7	32.4	32.4	22.5	9097

11 - SKY COVER

013769 OCEANA, VA
LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

PRECENTAGE FREQUENCY OF TOTAL SKY COVER (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL
SEP	01	31.4	27.3	17.5	23.7	1079
	04	27.3	30.0	19.0	23.7	1080
	07	12.1	30.7	31.0	26.2	1101
	10	13.3	29.5	32.5	24.7	1101
	13	8.4	32.1	35.2	24.3	1101
	16	11.4	33.7	29.5	25.4	1093
	19	13.1	35.9	26.9	24.2	1080
	22	27.3	31.1	17.1	24.4	1079
	ALL	18.0	31.3	26.1	24.6	8714
OCT	01	34.8	23.0	14.2	28.0	1116
	04	33.0	24.4	15.1	27.5	1116
	07	17.1	28.8	25.9	28.2	1135
	10	19.1	27.8	24.6	28.5	1135
	13	15.3	27.3	28.0	29.4	1134
	16	16.8	28.9	26.2	28.1	1133
	19	22.1	29.5	21.3	27.1	1116
	22	32.2	25.8	14.9	27.2	1116
	ALL	23.7	27.0	21.3	28.0	9001
NOV	01	32.4	22.9	14.3	30.4	1079
	04	32.1	23.2	14.2	30.5	1080
	07	14.1	32.1	25.5	28.3	1099
	10	18.1	27.6	23.6	30.7	1098
	13	14.7	26.9	27.3	31.0	1099
	16	16.0	25.1	26.0	32.8	1099
	19	22.4	28.6	19.6	29.4	1080
	22	28.5	23.9	16.1	31.5	1080
	ALL	22.3	26.3	20.9	30.6	8714
DEC	01	31.0	21.6	13.4	34.0	1141
	04	30.9	20.9	13.1	35.1	1141
	07	12.2	29.3	24.5	34.0	1163
	10	14.3	23.6	24.8	37.2	1164
	13	14.6	22.8	25.2	37.3	1162
	16	14.7	25.0	24.2	36.1	1162
	19	22.0	24.8	17.4	35.8	1142
	22	28.7	20.9	14.7	35.6	1142
	ALL	21.0	23.6	19.7	35.7	9217

11 - SKY COVER

013769 OCEANA, VA
LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

PRECENTAGE FREQUENCY OF TOTAL SKY COVER
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL
ANN	01	29.7	23.0	16.2	31.1	13174
	04	26.8	24.9	17.0	31.4	13178
	07	14.6	27.5	25.6	32.2	13613
	10	15.1	25.8	26.7	32.4	13609
	13	11.8	26.4	29.6	32.2	13604
	16	13.0	26.4	28.1	32.5	13563
	19	15.8	28.0	24.0	32.3	13201
	22	25.7	25.5	17.4	31.4	13191
	ALL	19.0	25.9	23.1	31.9	107133

12 - RELATIVE HUMIDITY

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
JAN	01	100.0	99.9	99.6	96.5	88.3	74.6	57.7	37.0	16.9	72.8	1116
	04	100.0	99.9	99.7	98.0	91.1	77.2	61.2	39.3	18.3	74.2	1116
	07	100.0	100.0	99.8	99.0	94.6	81.9	63.3	44.3	20.6	76.2	1235
	10	100.0	100.0	99.4	96.0	81.6	64.6	45.5	28.6	13.8	68.8	1237
	13	100.0	99.8	96.4	83.6	64.1	44.8	30.9	18.5	8.3	60.3	1235
	16	100.0	99.8	94.3	80.7	63.5	45.3	31.4	19.4	8.7	60.0	1235
	19	100.0	99.9	98.5	92.2	79.8	63.0	45.5	26.3	11.6	67.3	1123
	22	100.0	100.0	99.5	95.2	85.5	70.9	52.5	33.2	14.2	70.8	1121
	ALL	100.0	99.9	98.4	92.5	80.8	65.0	48.2	30.7	14.0	68.7	9418
FEB	01	100.0	100.0	99.8	96.2	86.8	74.2	56.4	38.7	16.5	72.6	1017
	04	100.0	100.0	99.9	97.6	90.3	76.5	60.1	40.5	18.0	73.9	1016
	07	100.0	100.0	100.0	97.9	92.8	80.0	63.6	42.6	18.8	75.3	1099
	10	100.0	99.8	98.6	91.7	75.3	53.5	38.7	24.6	13.0	65.2	1098
	13	100.0	99.5	92.5	77.8	58.2	41.1	27.5	18.0	9.3	57.9	1097
	16	100.0	98.8	89.4	75.5	57.6	43.0	29.6	20.1	9.1	58.0	1095
	19	100.0	99.8	98.0	89.7	76.8	61.9	44.0	27.5	12.5	66.6	1037
	22	100.0	100.0	99.2	93.2	83.3	69.6	52.8	34.5	15.6	70.6	1018
	ALL	100.0	99.7	97.1	89.8	77.4	62.2	46.3	30.6	14.1	67.4	8477
MAR	01	100.0	100.0	99.6	95.6	87.8	74.9	56.8	36.6	16.3	72.5	1147
	04	100.0	100.0	100.0	98.0	90.9	78.5	60.8	39.4	17.0	74.4	1146
	07	100.0	100.0	99.8	98.2	91.9	79.9	64.8	42.3	20.8	75.7	1240
	10	99.9	99.9	98.1	86.4	67.3	48.0	32.1	20.8	9.4	61.9	1240
	13	100.0	99.3	90.3	72.1	51.4	34.7	23.1	14.3	6.7	54.9	1240
	16	100.0	98.9	88.0	70.7	51.1	36.9	25.4	15.5	8.0	55.1	1237
	19	100.0	99.7	95.9	87.4	74.3	56.8	40.5	23.2	9.9	64.5	1152
	22	100.0	100.0	98.6	93.9	84.2	68.9	53.8	31.5	12.8	70.2	1149
	ALL	100.0	99.7	96.2	87.6	74.5	59.4	44.3	27.8	12.6	66.0	9551
APR	01	100.0	100.0	99.8	97.6	90.9	77.7	60.1	34.2	12.8	73.2	1110
	04	100.0	100.0	99.7	98.7	94.1	82.7	65.8	42.2	16.3	75.8	1112
	07	100.0	100.0	99.9	98.4	92.1	79.9	62.0	39.0	15.2	74.6	1200
	10	100.0	99.9	97.4	84.7	63.9	42.6	25.7	14.4	4.9	58.8	1200
	13	99.9	99.0	88.7	69.9	47.9	31.9	20.8	10.2	3.3	52.7	1200
	16	100.0	99.1	87.2	70.9	52.8	36.1	24.3	12.7	4.1	54.2	1191
	19	100.0	99.6	96.2	87.5	74.7	56.3	37.6	21.0	7.1	63.7	1120
	22	100.0	100.0	99.0	96.0	87.2	72.6	52.2	29.5	10.6	70.4	1112
	ALL	100.0	99.7	95.9	87.7	75.0	59.5	43.2	25.2	9.2	65.2	9245

12 - RELATIVE HUMIDITY

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
MAY	01	100.0	100.0	100.0	99.9	98.0	92.1	78.5	53.3	19.4	79.9	1146
	04	100.0	100.0	100.0	99.7	98.3	93.0	83.2	61.5	22.7	81.6	1147
	07	100.0	100.0	100.0	99.4	97.1	88.7	74.2	48.3	17.5	78.3	1231
	10	100.0	99.9	98.7	92.0	74.4	50.8	32.6	16.6	4.2	62.5	1230
	13	100.0	99.9	95.9	81.0	58.3	41.0	25.2	13.2	3.8	57.4	1229
	16	100.0	99.9	96.1	82.1	63.3	46.5	29.6	16.0	4.3	59.3	1201
	19	100.0	100.0	99.6	95.6	86.7	68.8	47.6	27.4	8.8	69.2	1147
	22	100.0	100.0	100.0	99.7	97.0	88.3	69.9	42.9	13.6	76.9	1147
	ALL	100.0	100.0	98.8	93.5	83.8	70.7	54.7	34.5	11.7	70.4	9478
JUN	01	100.0	100.0	100.0	99.9	99.6	96.9	86.7	60.6	19.4	82.0	1112
	04	100.0	100.0	100.0	100.0	99.6	98.6	90.9	71.8	25.9	84.4	1112
	07	100.0	100.0	100.0	100.0	99.0	94.0	82.2	53.8	14.8	79.9	1199
	10	100.0	99.9	99.8	96.7	82.7	58.3	28.4	12.0	2.5	63.5	1198
	13	100.0	100.0	98.9	90.1	66.4	40.7	19.9	8.3	1.7	58.2	1198
	16	100.0	100.0	99.3	92.1	68.5	45.4	26.5	12.2	3.7	60.1	1152
	19	100.0	100.0	99.9	98.9	91.9	71.6	48.8	23.2	5.9	69.5	1136
	22	100.0	100.0	100.0	99.9	98.8	93.0	75.4	44.3	13.2	7..0	1124
	ALL	100.0	100.0	99.7	97.1	88.1	74.4	56.8	35.3	10.7	71.8	9231
JUL	01	100.0	100.0	100.0	99.9	99.7	98.3	93.0	68.3	23.6	83.7	1147
	04	100.0	100.0	100.0	100.0	99.8	98.7	94.9	80.0	30.1	85.9	1146
	07	100.0	100.0	100.0	100.0	99.8	97.1	89.2	63.6	19.1	82.6	1227
	10	100.0	100.0	100.0	99.1	90.3	68.3	35.4	13.1	3.2	66.3	1227
	13	100.0	100.0	99.9	94.9	76.4	47.2	23.2	9.7	2.6	60.9	1228
	16	100.0	100.0	99.7	96.3	78.7	54.2	30.6	14.6	3.9	63.2	1178
	19	100.0	100.0	100.0	99.8	95.2	81.2	56.4	27.6	6.9	72.3	1157
	22	100.0	100.0	100.0	100.0	99.7	96.7	83.1	53.8	16.2	80.5	1146
	ALL	100.0	100.0	100.0	98.7	92.3	79.9	62.8	40.9	13.0	74.3	9456
AUG	01	100.0	100.0	100.0	100.0	99.7	98.8	93.8	73.8	27.6	85.0	1147
	04	100.0	100.0	100.0	99.8	99.7	98.4	94.3	83.0	35.5	86.8	1147
	07	100.0	100.0	100.0	99.9	99.6	97.6	91.8	76.5	30.4	85.3	1231
	10	100.0	100.0	100.0	99.2	93.3	74.5	39.6	13.4	2.8	67.8	1231
	13	100.0	100.0	99.9	96.7	81.0	50.5	24.0	9.9	3.0	62.0	1227
	16	100.0	100.0	100.0	97.2	84.8	57.7	31.4	14.6	4.6	64.7	1181
	19	100.0	100.0	100.0	99.8	98.2	88.0	63.8	31.1	9.2	74.5	1158
	22	100.0	100.0	100.0	100.0	99.8	97.6	87.2	59.9	18.6	81.7	1146
	ALL	100.0	100.0	100.0	99.1	94.4	82.6	65.3	44.9	16.3	75.8	9468

12 - RELATIVE HUMIDITY

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
SEP	01	100.0	100.0	100.0	99.8	98.6	95.2	87.6	67.8	23.3	83.0	1110
	04	100.0	100.0	100.0	99.9	98.6	95.3	88.9	72.6	28.5	84.4	1109
	07	100.0	100.0	100.0	100.0	98.6	94.5	85.2	71.0	29.0	84.0	1184
	10	100.0	100.0	100.0	98.1	91.3	69.4	40.9	16.6	4.6	67.4	1183
	13	100.0	100.0	99.6	94.4	76.6	49.0	25.4	10.9	3.9	61.5	1184
	16	100.0	100.0	99.7	94.9	79.2	56.3	31.4	15.1	5.1	63.7	1142
	19	100.0	100.0	100.0	99.6	97.3	86.7	66.5	35.3	9.5	75.0	1117
	22	100.0	100.0	100.0	99.7	98.5	94.2	83.1	53.8	17.2	80.2	1107
	ALL	100.0	100.0	99.9	98.3	92.2	79.8	63.2	42.5	15.0	74.8	9136
OCT	01	100.0	100.0	100.0	99.4	96.7	89.8	77.5	53.5	18.9	79.5	1147
	04	100.0	100.0	100.0	99.9	97.1	90.5	79.0	57.3	23.2	80.7	1147
	07	100.0	100.0	100.0	100.0	97.6	90.9	81.1	60.2	26.1	81.7	1224
	10	100.0	100.0	99.8	96.1	80.9	57.6	36.7	19.3	5.9	65.2	1223
	13	100.0	100.0	97.1	85.2	64.5	41.3	24.9	12.8	4.0	58.5	1223
	16	100.0	99.8	97.6	86.7	68.5	47.6	30.0	15.1	5.4	60.6	1195
	19	100.0	100.0	99.9	98.3	92.9	79.7	55.9	33.6	8.2	72.6	1148
	22	100.0	100.0	100.0	99.0	94.4	87.3	70.9	43.5	14.8	76.8	1146
	ALL	100.0	100.0	99.3	95.5	86.4	72.7	56.6	36.7	13.2	71.8	9453
NOV	01	100.0	100.0	99.9	98.6	92.9	82.2	65.9	40.4	17.0	75.5	1110
	04	100.0	100.0	100.0	99.1	95.1	85.0	68.3	46.6	19.5	77.2	1110
	07	100.0	100.0	99.9	99.5	96.1	86.7	71.0	48.7	20.7	78.3	1181
	10	100.0	99.8	99.7	94.4	78.7	57.1	35.2	20.5	8.0	65.1	1179
	13	100.0	99.8	94.6	79.7	58.2	37.4	22.8	13.3	4.9	56.8	1179
	16	100.0	99.7	95.2	82.7	61.4	44.4	29.2	16.3	6.0	59.0	1159
	19	100.0	100.0	99.4	95.0	85.2	69.2	48.9	30.6	10.2	69.6	1109
	22	100.0	100.0	99.7	97.7	89.9	76.5	59.9	38.6	14.6	73.3	1107
	ALL	100.0	99.9	98.5	93.2	82.0	67.0	49.9	31.7	12.5	69.2	9134
DEC	01	100.0	100.0	100.0	97.9	90.2	76.4	57.9	36.9	13.8	73.2	1146
	04	100.0	100.0	100.0	99.3	93.4	78.9	61.3	39.6	17.1	74.7	1146
	07	100.0	100.0	100.0	99.4	94.7	83.2	65.6	44.3	19.9	76.5	1256
	10	100.0	100.0	99.7	96.0	81.7	61.8	42.7	25.8	11.1	67.6	1259
	13	99.9	99.6	95.9	81.3	63.0	43.1	28.4	18.1	8.5	59.4	1254
	16	100.0	99.9	95.8	82.5	66.6	49.0	33.0	20.7	8.7	61.1	1238
	19	100.0	100.0	99.1	93.0	80.5	65.5	47.5	29.2	11.7	68.4	1149
	22	100.0	100.0	99.8	96.2	86.4	73.0	54.1	34.8	13.2	71.7	1145
	ALL	100.0	99.9	98.8	93.1	81.8	66.1	48.6	31.0	13.0	69.0	9593

12 - RELATIVE HUMIDITY

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
ANN	01	100.0	100.0	99.9	98.5	94.2	86.1	72.8	50.2	18.8	77.8	13455
	04	100.0	100.0	99.9	99.2	95.7	87.9	75.9	56.3	22.7	79.6	13454
	07	100.0	100.0	100.0	99.3	96.2	87.9	74.6	52.9	21.1	79.0	14507
	10	100.0	99.9	99.3	94.2	80.1	58.9	36.1	18.8	6.9	65.0	14505
	13	100.0	99.7	95.8	83.9	63.9	41.9	24.7	13.1	5.0	58.4	14494
	16	100.0	99.7	95.2	84.3	66.3	46.8	29.4	16.0	6.0	59.9	14204
	19	100.0	99.9	98.9	94.8	86.2	70.8	50.3	28.0	9.3	69.4	13553
	22	100.0	100.0	99.7	97.6	92.1	82.5	66.4	41.8	14.5	75.1	13468
	ALL	100.0	99.9	98.5	93.9	84.1	70.0	53.4	34.3	12.9	70.4	111640

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	TSTM	RAIN &/OR DRIZZLE	FREEZE RAIN & FREEZE DRIZZLE	SNOW &/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS. W/OBST VISION	TOTAL NO. OF OBS.
JAN	01	.0	12.5	.3	1.9	.3	14.6	19.5	13.5	.4	.1	31.0	1071
	04	.1	12.9	.2	2.1	.2	14.8	21.1	13.3	.4	.0	32.3	1070
	07	.2	13.1	.2	3.0	.2	15.8	25.7	21.3	.5	.1	42.3	1193
	10	.1	11.9	.3	3.1	.3	14.8	18.4	31.6	.6	.0	48.3	1198
	13	.1	9.1	.2	3.0	.4	12.2	13.5	25.1	.8	.0	37.6	1193
	16	.0	10.1	.2	2.4	.2	12.4	12.7	24.3	.4	.0	36.3	1187
	19	.0	9.7	.3	2.3	.6	11.9	14.7	19.1	.5	.0	32.8	1074
	22	.0	11.8	.2	1.9	.5	13.9	16.5	15.0	.5	.0	29.9	1074
	ALL	.1	11.4	.2	2.5	.3	13.8	17.8	20.7	.5	.0	36.6	9060
FEB	01	.0	10.5	.1	2.1	.1	12.2	19.8	13.3	.4	.1	30.9	997
	04	.1	11.7	.0	1.2	.2	12.7	21.8	12.2	.3	.1	31.2	997
	07	.2	10.7	.2	1.4	.0	12.1	27.8	23.4	.7	.1	46.2	1082
	10	.0	10.3	.1	1.9	.0	12.0	17.7	27.9	.5	.1	44.4	1080
	13	.1	10.9	.0	1.7	.3	12.5	13.8	23.4	.4	.2	36.2	1076
	16	.1	11.9	.1	2.1	.3	13.9	13.6	23.6	.3	.2	36.1	1073
	19	.1	11.6	.3	2.2	.4	13.8	16.4	20.3	.4	.2	35.6	1015
	22	.0	12.4	.1	2.8	.5	15.0	17.6	13.5	.3	.1	30.3	998
	ALL	.1	11.3	.1	1.9	.2	13.0	18.6	19.9	.4	.1	36.5	8318
MAR	01	.5	10.3	.0	1.1	.0	11.2	16.7	14.1	.3	.0	29.5	1099
	04	.3	12.3	.0	.9	.0	13.0	20.0	13.3	.2	.0	31.1	1100
	07	.6	12.6	.0	1.1	.1	13.5	26.6	26.3	.3	.0	46.6	1199
	10	.1	11.2	.0	1.0	.1	11.7	14.7	24.5	.3	.0	38.3	1196
	13	.4	10.1	.0	1.0	.3	10.8	10.9	23.1	.3	.2	33.1	1194
	16	.2	11.4	.0	.9	.3	12.1	11.4	21.1	.1	.3	32.2	1188
	19	.5	11.1	.0	.7	.0	11.8	13.6	22.4	.1	.2	34.7	1107
	22	.5	11.2	.0	1.1	.1	12.0	14.9	16.4	.2	.1	30.0	1104
	ALL	.4	11.3	.0	1.0	.1	12.0	16.1	20.3	.2	.1	34.6	9187
APR	01	.7	9.1	.0	.0	.0	9.1	14.4	16.0	.0	.0	28.7	1088
	04	.1	9.9	.0	.0	.0	9.7	19.7	16.4	.0	.0	32.7	1089
	07	.3	9.3	.0	.1	.0	9.3	26.1	29.5	.0	.2	48.6	1182
	10	.3	8.6	.0	.1	.0	8.6	9.7	23.0	.0	.0	31.4	1181
	13	.4	7.6	.0	.2	.0	7.7	6.7	20.8	.0	.1	26.8	1176
	16	.9	9.1	.0	.0	.0	9.1	7.7	21.4	.0	.3	28.1	1167
	19	.4	8.6	.0	.1	.0	8.6	10.7	25.5	.0	.3	34.2	1102
	22	1.2	9.4	.0	.0	.0	9.4	11.1	19.2	.0	.1	28.7	1093
	ALL	.5	8.9	.0	.1	.0	8.9	13.3	21.6	.0	.1	32.5	9078

13 - WEATHER CONDITIONS

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	TSTM	RAIN &/OR DRIZZLE	FREEZE RAIN & FREEZE DRIZZLE	SNOW &/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS. W/OBST VISION	TOTAL NO. OF OBS.
MAY	01	.7	9.1	.0	.0	.0	9.0	20.0	24.1	.0	.1	39.8	1127
	04	.2	8.9	.0	.0	.0	8.9	29.9	26.3	.0	.0	48.5	1132
	07	.3	8.6	.0	.0	.1	8.4	26.3	39.3	.0	.0	55.8	1220
	10	.2	6.8	.0	.0	.0	6.8	10.1	29.3	.0	.0	37.2	1214
	13	1.0	6.5	.0	.0	.0	6.4	6.6	26.8	.0	.1	32.0	1208
	16	2.0	7.4	.0	.0	.0	7.3	7.3	28.5	.0	.1	34.3	1178
	19	2.1	8.2	.0	.0	.0	8.2	11.2	32.2	.0	.2	41.0	1125
	22	1.8	9.2	.0	.0	.0	9.1	14.4	26.1	.0	.2	37.7	1127
	ALL	1.0	8.1	.0	.0	.0	8.0	15.7	29.2	.0	.1	40.8	9331
JUN	01	1.0	6.4	.0	.0	.0	6.4	19.1	37.6	.0	.1	49.1	1096
	04	.4	5.7	.0	.0	.0	5.7	32.3	39.9	.0	.1	58.8	1097
	07	.3	6.3	.0	.0	.0	6.2	25.4	52.0	.0	.0	64.4	1189
	10	.1	4.9	.0	.0	.0	4.9	5.8	44.1	.0	.0	48.5	1183
	13	.8	4.8	.0	.0	.0	4.8	3.3	39.5	.0	.0	42.3	1180
	16	1.8	6.4	.0	.0	.0	6.2	3.9	40.8	.0	.1	44.4	1133
	19	2.4	7.3	.0	.0	.0	7.3	6.1	44.6	.0	.0	49.6	1120
	22	2.8	7.9	.0	.0	.0	7.9	10.0	40.4	.0	.0	47.1	1110
	ALL	1.2	6.2	.0	.0	.0	6.2	13.1	42.4	.0	.0	50.5	9108
JUL	01	1.0	5.3	.0	.0	.0	5.3	19.5	42.7	.0	.0	53.4	1132
	04	.6	4.4	.0	.0	.0	4.4	33.6	45.1	.0	.0	60.4	1132
	07	.2	4.0	.0	.0	.0	4.0	31.1	54.5	.0	.0	66.3	1223
	10	.6	3.5	.0	.0	.0	3.5	3.9	49.8	.0	.0	51.9	1217
	13	2.6	6.5	.0	.0	.0	6.5	2.7	46.6	.0	.0	48.5	1215
	16	5.8	9.9	.0	.0	.1	9.9	3.5	47.6	.0	.0	50.0	1167
	19	5.0	9.2	.0	.0	.0	9.2	5.2	50.8	.0	.1	54.7	1148
	22	3.4	6.8	.0	.0	.0	6.8	10.4	46.1	.0	.0	51.8	1138
	ALL	2.4	6.2	.0	.0	.0	6.2	13.7	48.0	.0	.0	54.6	9372
AUG	01	1.0	6.3	.0	.0	.0	6.3	21.4	45.6	.0	.0	55.4	1129
	04	1.2	5.9	.0	.0	.0	5.8	40.1	45.4	.0	.2	64.4	1131
	07	.4	4.6	.0	.0	.0	4.5	42.1	56.7	.0	.0	72.5	1221
	10	.4	4.4	.0	.0	.0	4.3	4.2	51.3	.0	.0	54.1	1218
	13	1.7	6.1	.0	.0	.0	6.0	1.9	47.0	.0	.0	48.4	1213
	16	4.7	9.0	.0	.0	.0	9.0	2.8	47.6	.0	.0	49.7	1162
	19	3.7	7.3	.0	.0	.0	7.3	6.2	52.1	.0	.0	56.2	1143
	22	2.2	7.2	.0	.0	.0	7.2	10.1	47.3	.0	.0	52.3	1128
	ALL	1.9	6.3	.0	.0	.0	6.3	16.1	49.2	.0	.0	56.7	9345

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	TSTM	RAIN &/OR DRIZZLE	FREEZE RAIN & FREEZE DRIZZLE	SNOW &/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS. W/OBST VISION	TOTAL NO. OF OBS.
SEP	01	.6	7.2	.0	.0	.0	7.2	22.2	35.1	.0	.0	46.5	1092
	04	.3	7.4	.0	.0	.0	7.3	35.2	34.5	.0	.1	54.6	1095
	07	.3	7.3	.0	.0	.0	7.2	40.9	41.7	.0	.2	63.0	1174
	10	.2	6.5	.0	.0	.0	6.5	6.3	39.6	.0	.0	44.6	1167
	13	.6	7.7	.0	.0	.0	7.7	4.8	33.2	.0	.0	37.3	1163
	16	1.3	8.7	.0	.0	.0	8.5	4.9	34.8	.0	.0	39.1	1120
	19	1.3	7.6	.0	.0	.0	7.5	8.1	39.5	.0	.0	45.7	1100
	22	.5	6.4	.0	.0	.0	6.4	12.4	37.2	.0	.0	44.2	1089
	ALL	.6	7.4	.0	.0	.0	7.3	16.8	37.0	.0	.0	46.9	9000
OCT	01	.3	8.4	.0	.0	.0	8.2	22.9	24.9	.0	.0	40.7	1107
	04	.3	9.3	.0	.0	.0	9.3	30.9	23.5	.0	.0	46.5	1113
	07	.1	8.8	.0	.0	.0	8.8	41.3	32.1	.0	.4	59.8	1210
	10	.1	7.2	.0	.0	.0	7.1	10.2	32.3	.0	.0	40.4	1197
	13	.2	7.1	.0	.0	.0	7.0	6.2	26.0	.0	.0	31.5	1193
	16	.3	8.2	.0	.0	.0	8.1	7.6	26.0	.0	.1	32.6	1161
	19	.2	8.7	.0	.0	.0	8.7	10.9	28.1	.0	.0	36.4	1112
	22	.3	8.4	.0	.0	.0	8.4	14.9	25.7	.0	.2	35.7	1105
	ALL	.2	8.3	.0	.0	.0	8.2	18.1	27.4	.0	.1	40.6	9198
NOV	01	.1	9.7	.0	.0	.0	9.7	20.1	19.6	.0	.1	34.3	1066
	04	.1	8.6	.0	.0	.1	8.7	26.3	19.6	.0	.0	39.4	1072
	07	.1	9.1	.0	.0	.0	9.0	36.6	30.4	.0	.5	54.1	1152
	10	.0	9.4	.0	.3	.2	9.6	14.2	31.5	.0	.0	43.5	1143
	13	.1	9.2	.0	.0	.0	9.1	9.3	25.1	.0	.0	33.6	1134
	16	.1	8.4	.0	.1	.0	8.4	9.2	24.7	.0	.0	32.5	1111
	19	.0	9.0	.0	.2	.0	9.0	11.6	23.5	.0	.0	33.1	1067
	22	.1	8.9	.0	.1	.1	9.0	16.1	20.2	.0	.0	32.4	1065
	ALL	.1	9.0	.0	.1	.0	9.1	18.0	24.4	.0	.1	38.0	8810
DEC	01	.2	9.8	.0	.5	.1	10.0	19.0	13.0	.2	.0	29.7	1105
	04	.0	11.4	.0	.8	.1	12.1	19.0	13.7	.1	.0	30.2	1108
	07	.0	12.1	.0	.7	.2	12.6	26.3	23.5	.0	.1	43.3	1226
	10	.0	10.9	.1	1.4	.3	11.9	16.0	27.2	.1	.0	40.6	1224
	13	.0	11.9	.1	1.6	.2	13.0	11.3	21.1	.1	.0	31.7	1212
	16	.0	11.2	.0	1.3	.3	12.1	11.8	21.2	.1	.0	32.0	1195
	19	.1	12.3	.1	.6	.1	12.7	14.0	15.6	.2	.0	28.5	1102
	22	.2	10.2	.0	.5	.1	10.7	15.9	14.4	.1	.0	28.5	1103
	ALL	.1	11.2	.0	.9	.2	11.9	16.7	18.9	.1	.0	33.3	9275

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	TSTM	RAIN &/OR DRIZZLE	FREEZE RAIN & FREEZE DRIZZLE	SNOW &/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS. W/OBST VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	11.4	.2	2.5	.3	13.8	17.8	20.7	.5	.0*	36.6	9060
FEB	ALL	.1	11.3	.1	1.9	.2	13.0	18.6	19.9	.4	.1	36.5	8318
MAR	ALL	.4	11.3	.0	1.0	.1	12.0	16.1	20.3	.2	.1	34.6	9187
APR	ALL	.5	8.9	.0	.1	.0	8.9	13.3	21.6	.0	.1	32.5	9078
MAY	ALL	1.0	8.1	.0	.0	.0*	8.0	15.7	29.2	.0	.1	40.8	9331
JUN	ALL	1.2	6.2	.0	.0	.0	6.2	13.1	42.4	.0	.0*	50.5	9108
JUL	ALL	2.4	6.2	.0	.0	.0*	6.2	13.7	48.0	.0	.0*	54.6	9372
AUG	ALL	1.9	6.3	.0	.0	.0	6.3	16.1	49.2	.0	.0*	56.7	9345
SEP	ALL	.6	7.4	.0	.0	.0	7.3	16.8	37.0	.0	.0*	46.9	9000
OCT	ALL	.2	8.3	.0	.0	.0	8.2	18.1	27.4	.0	.1	40.6	9198
NOV	ALL	.1	9.0	.0	.1	.0*	9.1	18.0	24.4	.0	.1	38.0	8810
DEC	ALL	.1	11.2	.0*	.9	.2	11.9	16.7	18.9	.1	.0*	33.3	9275
TOTALS		.7	8.8	.0*	.5	.1	9.2	16.1	30.1	.1	.1	41.9	109082

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JAN

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	6.7	1.0	2.5	.5	.8	7.2	.0	.0	13.8	1.3	20.3	1.8	.0	55.3
NNE	13.1	.6	1.9	.2	1.0	3.7	.0	.0	21.8	1.2	22.6	.2	.0	50.2
NE	20.3	2.0	2.6	.0	.9	3.2	.0	.0	23.3	.6	31.4	.6	.0	37.5
ENE	22.4	.9	2.3	.0	.9	3.2	.0	.0	17.8	1.8	23.7	.0	.0	45.7
E	13.1	1.2	4.1	.0	.0	1.2	.0	.0	13.9	4.5	34.8	.0	.0	41.8
ESE	16.9	.0	3.8	.8	.0	.0	.0	.0	17.7	2.3	30.8	.0	.0	46.9
SE	19.0	1.5	2.4	.5	.0	1.5	.0	.0	22.4	2.9	20.0	.0	.0	44.9
SSE	13.4	3.5	1.3	.0	.0	.4	.0	.4	16.5	6.1	23.8	.0	.0	48.9
S	11.4	1.7	2.2	.2	.4	.4	.0	.4	16.3	4.3	14.8	.0	.2	56.6
SSW	7.5	1.0	1.3	.0	.0	.5	.0	.0	8.2	3.9	16.6	.0	.0	64.8
SW	4.2	.5	1.0	.0	.0	.2	.0	.2	7.4	4.8	19.7	.0	.0	62.1
WSW	4.2	1.4	.7	.0	.0	.4	.0	.0	9.9	3.5	21.5	.3	.1	57.6
W	4.2	.8	2.1	.1	.0	2.1	.0	.0	12.1	1.8	15.0	.4	.0	63.1
WNW	4.6	.2	2.3	.0	.0	1.4	.0	.0	12.0	2.8	10.6	.0	.0	67.8
NW	5.7	.5	2.6	.2	.0	3.2	.0	.0	15.3	1.1	12.0	1.5	.0	64.5
NNW	6.5	.1	5.0	.5	.6	4.1	.1	.0	17.6	1.1	15.6	.6	.0	59.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	4.2	.5	1.1	.3	.0	.6	.0	.0	13.3	7.0	26.8	.0	.0	55.6
TOTALS	740	82	207	20	28	225	1	5	1326	283	1871	45	2	5364
% TOTAL	7.9	.9	2.2	.2	.3	2.4	.0*	.1	14.1	3.0	19.9	.5	.0*	57.0

TOTAL NUMBER OF OBSERVATIONS : 9412

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : FEB

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	7.7	.5	1.8	.1	.2	5.9	.0	.1	18.2	1.3	18.5	2.4	.0	57.0
NNE	15.0	.4	4.7	.6	.9	3.0	.0	.0	25.2	1.1	20.4	.2	.0	48.8
NE	22.5	.6	2.2	.3	1.4	2.5	.0	.0	25.8	2.5	25.0	.0	.0	41.4
ENE	22.0	.4	1.1	.4	.4	1.9	.0	.4	22.7	3.8	29.2	.0	.0	39.0
E	20.1	.6	1.9	.0	.3	1.6	.0	.0	23.9	3.2	25.6	.0	.3	45.0
ESE	16.6	.5	1.6	.0	.0	1.6	.0	.0	17.6	3.1	26.9	.0	.0	47.2
SE	13.0	.7	2.2	.0	.0	.0	.0	.0	13.0	3.3	24.4	.0	.0	54.4
SSE	12.6	.9	1.5	.0	.0	.3	.0	.0	15.7	3.4	20.6	.0	.3	56.9
S	7.1	1.8	.9	.0	.0	.2	.0	.2	12.0	2.8	20.9	.0	.0	58.2
SSW	5.3	1.1	.8	.0	.0	.2	.0	.2	5.5	1.9	18.5	.0	.2	68.6
SW	5.4	.8	.5	.0	.0	.0	.0	.0	8.4	3.3	15.6	.0	.5	69.0
WSW	5.9	1.3	.4	.0	.0	.0	.0	.0	9.7	4.5	17.4	.0	.8	64.8
W	5.0	.7	1.1	.0	.0	1.5	.0	.2	11.0	1.5	16.0	.2	.0	68.5
WNW	5.1	.7	.5	.0	.0	1.7	.0	.0	12.0	1.4	12.8	.2	.0	69.9
NW	3.9	1.5	2.9	.4	.4	2.7	.2	.0	16.8	1.3	15.6	.4	.0	63.4
NNW	5.2	.2	3.7	.1	.1	3.0	.0	.0	19.5	.7	13.2	.6	.0	63.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	2.8	.7	1.0	.0	.0	.8	.0	.1	12.6	7.4	26.4	.0	.1	57.1
TOTALS	721	66	149	9	17	159	1	6	1309	234	1655	34	11	5001
% TOTAL	8.5	.8	1.8	.1	.2	1.9	.0*	.1	15.4	2.8	19.5	.4	.1	59.0

TOTAL NUMBER OF OBSERVATIONS : 8480

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : MAR

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	6.2	1.9	3.9	.0	.3	3.9	.0	.7	17.7	1.4	19.0	.8	.0	54.9
NNE	11.2	1.3	4.6	.0	.4	2.4	.0	.7	26.4	.9	20.0	.7	.0	47.6
NE	15.0	1.1	4.2	.0	.7	1.8	.0	.0	26.1	1.3	24.1	.2	.0	41.7
ENE	17.0	1.1	3.9	.0	.0	1.6	.0	.2	21.8	2.0	24.5	.0	.0	45.7
E	15.3	1.8	2.2	.0	.2	.2	.0	.4	19.0	2.6	31.1	.0	.0	44.6
ESE	14.4	1.0	1.6	.0	.0	.5	.0	.5	16.4	1.8	25.1	.0	.0	50.7
SE	12.9	2.5	.4	.0	.0	.0	.0	.4	15.6	1.6	23.9	.0	.0	52.2
SSE	9.7	3.4	.9	.0	.0	.0	.0	.7	11.3	2.1	15.9	.0	.0	63.9
S	6.0	4.2	.5	.0	.0	.2	.0	.6	8.4	1.1	15.4	.0	.0	67.2
SSW	4.8	1.1	.3	.0	.0	.0	.0	.3	4.5	1.9	18.6	.0	.0	72.1
SW	3.6	1.5	.4	.0	.0	.0	.0	.1	4.6	2.2	18.7	.0	.3	68.8
WSW	2.3	2.2	.7	.0	.0	.0	.0	.2	6.6	2.9	19.2	.0	.5	65.5
W	1.9	2.5	.5	.0	.0	1.2	.0	.2	8.6	1.9	17.2	.4	.4	66.8
WNW	4.3	2.0	3.1	.0	.0	.9	.0	.2	9.2	.7	8.7	.4	.2	72.9
NW	4.0	1.4	1.8	.0	.2	1.4	.0	.2	11.1	1.4	12.3	.2	.0	71.3
NNW	4.6	.8	3.9	.0	.0	1.0	.0	.4	15.5	1.3	15.8	.4	.0	62.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	2.0	.4	.9	.0	.0	.0	.0	.1	10.4	9.7	25.7	.0	.0	56.8
TOTALS	681	166	188	0	10	90	0	34	1256	222	1864	19	8	5720
% TOTAL	7.1	1.7	2.0	.0	.1	.9	.0	.4	13.2	2.3	19.5	.2	.1	59.9

TOTAL NUMBER OF OBSERVATIONS : 9549

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : APR

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	6.2	2.7	5.3	.0	.0	.3	.0	.5	15.8	1.3	19.0	.0	.0	61.8
NNE	9.0	1.5	7.4	.0	.0	.3	.0	.8	24.3	2.6	21.0	.0	.3	50.1
NE	9.7	2.3	3.9	.0	.0	.2	.0	.0	24.8	1.6	30.3	.0	.0	44.8
ENE	6.9	1.5	3.3	.0	.0	.0	.0	1.0	14.5	1.5	31.2	.0	.0	51.3
E	6.3	2.3	2.4	.0	.0	.0	.0	.5	14.0	1.7	26.0	.0	.0	55.9
ESE	6.9	2.2	.9	.0	.0	.0	.0	1.1	12.0	2.7	21.5	.0	.0	59.6
SE	5.4	2.4	1.0	.0	.0	.0	.0	.4	12.3	1.8	22.5	.0	.0	62.6
SSE	6.2	1.8	.6	.0	.0	.0	.0	.6	10.7	2.7	17.2	.0	.0	66.5
S	6.4	4.4	.3	.0	.0	.0	.0	.6	8.6	2.6	21.9	.0	.0	61.6
SSW	2.8	3.3	.1	.0	.0	.0	.0	.4	4.0	1.1	21.8	.0	.3	68.6
SW	1.7	1.7	.3	.0	.0	.0	.0	.5	3.5	1.3	20.6	.0	.3	71.8
WSW	1.8	2.7	.0	.0	.0	.0	.0	.5	3.9	3.0	17.3	.0	.3	71.8
W	2.2	2.4	.9	.0	.0	.0	.0	.4	5.0	1.7	15.8	.0	.0	72.6
WNW	3.7	2.8	1.5	.0	.0	.3	.0	.3	7.6	2.8	15.0	.0	.0	71.3
NW	1.8	3.0	.9	.0	.0	.0	.0	.6	7.5	2.4	13.2	.0	.0	74.0
NNW	4.3	2.8	2.1	.0	.0	.0	.0	.7	8.4	1.0	15.3	.0	.0	71.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	2.1	1.7	1.0	.0	.0	.0	.0	.1	11.1	12.5	28.4	.0	.3	50.3
TOTALS	427	228	156	0	0	5	0	47	952	251	1960	0	10	5844
% TOTAL	4.6	2.5	1.7	.0	.0	.1	.0	.5	10.3	2.7	21.2	.0	.1	63.2

TOTAL NUMBER OF OBSERVATIONS : 9249

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : MAY

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	7.9	4.1	3.8	.0	.0	.0	.0	.5	19.1	2.3	25.9	.0	.0	52.2
NNE	8.6	2.7	4.0	.0	.0	.0	.0	1.3	24.9	3.2	30.6	.0	.0	42.4
NE	6.3	3.6	4.0	.0	.0	.0	.0	.7	23.4	2.2	34.8	.0	.0	42.9
ENE	7.3	3.5	1.0	.0	.0	.0	.0	1.0	17.9	2.4	32.8	.0	.0	48.5
E	4.8	2.7	.4	.0	.0	.0	.0	.9	12.1	.6	33.6	.0	.0	52.2
ESE	3.7	2.4	.7	.0	.0	.0	.0	.9	11.7	1.1	27.6	.0	.0	57.7
SE	4.6	3.2	.3	.0	.0	.0	.0	1.4	9.0	3.4	24.3	.0	.0	60.6
SSE	3.5	4.5	.2	.0	.0	.0	.0	1.4	8.8	2.9	25.4	.0	.0	60.0
S	3.0	4.5	.5	.0	.0	.0	.0	1.2	6.9	4.0	27.3	.0	.0	58.1
SSW	2.4	3.3	.1	.0	.0	.0	.1	1.5	5.8	3.7	26.4	.0	.0	61.5
SW	1.2	1.7	.2	.0	.0	.0	.0	.6	4.8	4.0	27.5	.0	.5	62.1
WSW	1.5	1.6	.6	.0	.0	.0	.0	.6	6.4	4.3	27.7	.0	.1	62.2
W	2.9	3.2	.3	.0	.0	.0	.0	1.1	6.6	4.2	24.3	.0	.0	63.3
WNW	3.2	3.7	.5	.0	.0	.0	.0	1.6	9.5	4.8	26.5	.0	.0	59.3
NW	1.7	4.6	1.3	.0	.0	.0	.0	2.5	9.2	2.9	28.5	.0	.0	57.3
NNW	3.4	2.4	1.6	.0	.0	.0	.0	.5	9.5	4.8	25.1	.0	.3	60.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	1.9	1.5	.6	.0	.0	.0	.0	.8	16.3	12.2	35.0	.0	.0	44.3
TOTALS	364	283	104	0	0	0	1	96	1095	367	2721	0	7	5266
% TOTAL	3.8	3.0	1.1	.0	.0	.0	.0*	1.0	11.5	3.9	28.7	.0	.1	55.5

TOTAL NUMBER OF OBSERVATIONS : 9483

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : JUN

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	2.4	5.0	2.7	.0	.0	.0	.0	1.9	11.4	.5	38.7	.0	.0	47.2
NNE	7.8	3.1	3.1	.0	.0	.0	.0	.6	17.3	1.4	32.3	.0	.0	47.1
NE	7.7	3.2	2.0	.0	.0	.0	.0	1.2	15.6	1.4	35.0	.0	.0	46.7
ENE	3.7	2.3	1.7	.0	.0	.0	.0	.8	11.4	1.9	40.0	.0	.0	46.5
E	2.5	1.7	1.1	.0	.0	.0	.0	.9	7.8	1.8	42.3	.0	.0	47.2
ESE	3.6	2.3	.2	.0	.0	.0	.0	.9	7.7	2.5	43.0	.0	.0	47.0
SE	1.9	2.5	.3	.0	.0	.0	.0	.7	4.1	3.7	39.2	.0	.0	52.9
SSE	1.3	4.6	.0	.0	.0	.0	.0	1.1	5.5	2.9	42.3	.0	.0	47.1
S	3.2	3.2	.1	.0	.0	.0	.0	.9	5.9	3.1	43.3	.0	.0	46.7
SSW	1.2	3.3	.1	.0	.0	.0	.0	1.5	3.8	3.3	43.3	.0	.1	49.2
SW	1.0	2.6	.1	.0	.0	.0	.0	.7	5.8	5.1	47.6	.0	.0	44.0
WSW	.8	2.6	.2	.0	.0	.0	.0	.6	5.1	4.9	44.6	.0	.0	45.8
W	1.1	5.3	.5	.0	.0	.0	.0	3.5	9.6	10.1	41.8	.0	.0	39.9
WNW	.5	5.5	.5	.0	.0	.0	.0	3.5	9.0	9.5	38.3	.0	.0	46.8
NW	1.4	1.8	.9	.0	.0	.0	.0	.9	10.6	3.7	36.9	.0	.0	50.2
NNW	2.5	6.2	2.2	.0	.0	.0	.0	3.7	7.7	2.2	32.5	.0	.0	55.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.5	1.1	.4	.0	.0	.0	.0	.2	12.8	17.5	46.5	.0	.2	38.3
TOTALS	217	278	68	0	0	0	0	107	760	436	3865	0	3	4289
% TOTAL	2.3	3.0	.7	.0	.0	.0	.0	1.2	8.2	4.7	41.8	.0	.0*	46.4

TOTAL NUMBER OF OBSERVATIONS : 9238

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
MONTH : JUL

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	2.7	6.6	.6	.0	.0	.0	.3	4.5	9.0	5.4	47.5	.0	.0	41.8
NNE	2.6	3.2	.3	.0	.0	.0	.0	2.2	9.3	3.2	41.7	.0	.0	48.4
NE	3.4	4.6	.0	.0	.0	.0	.0	1.2	6.8	5.1	42.3	.0	.0	45.2
ENE	2.9	1.7	.0	.0	.0	.0	.0	1.2	5.8	2.2	42.1	.0	.0	49.6
E	3.3	3.3	.2	.0	.0	.0	.0	2.8	5.5	2.1	45.8	.0	.0	45.8
ESE	3.3	5.3	.2	.0	.0	.0	.0	3.7	4.3	2.8	45.3	.0	.0	47.0
SE	2.4	3.4	.2	.0	.0	.0	.0	2.4	3.8	2.8	47.4	.0	.0	46.4
SSE	2.5	4.1	.0	.0	.0	.0	.0	2.1	5.1	4.8	45.6	.0	.0	45.2
S	1.8	4.9	.0	.0	.0	.0	.0	3.5	4.8	5.0	48.9	.0	.0	42.1
SSW	1.4	4.0	.0	.0	.0	.0	.0	1.3	5.1	4.2	43.2	.0	.0	48.2
SW	1.6	3.6	.2	.0	.0	.0	.0	2.0	7.0	6.0	49.3	.0	.0	42.2
WSW	1.2	3.9	.0	.0	.0	.0	.0	2.6	7.5	5.5	48.4	.0	.0	40.8
W	1.6	5.9	.3	.0	.0	.0	.0	3.5	11.5	9.1	50.0	.0	.0	34.0
WNW	2.4	4.8	.0	.0	.0	.0	.0	3.6	9.5	4.8	54.8	.0	.0	35.1
NW	2.5	7.6	.6	.0	.0	.0	.0	6.3	6.3	7.6	49.4	.0	.0	33.5
NNW	2.1	4.7	.9	.0	.0	.0	.0	3.0	6.0	5.2	51.5	.0	.4	40.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.6	2.5	.0	.0	.0	.0	.0	.5	15.7	19.1	54.0	.0	.0	29.5
TOTALS	187	378	12	0	0	0	1	220	694	587	4495	0	1	3991
& TOTAL	2.0	4.0	.1	.0	.0	.0	.0*	2.3	7.3	6.2	47.6	.0	.0*	42.2

TOTAL NUMBER OF OBSERVATIONS : 9452

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : AUG

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	4.8	1.5	.4	.0	.0	.0	.0	1.5	9.7	3.7	41.6	.0	.0	45.6
NNE	5.3	2.9	1.8	.0	.0	.0	.0	.7	8.6	3.3	38.8	.0	.0	47.2
NE	6.7	3.4	.7	.0	.0	.0	.0	1.1	8.2	1.8	39.7	.0	.0	46.9
ENE	5.2	2.1	.4	.0	.0	.0	.0	.6	6.2	1.5	44.9	.0	.0	43.4
E	5.5	3.2	.3	.0	.0	.0	.0	1.2	7.8	1.8	49.0	.0	.0	40.4
ESE	4.2	3.4	.0	.0	.0	.0	.0	1.8	5.8	2.0	50.0	.0	.0	40.9
SE	2.4	3.9	.4	.0	.0	.0	.0	2.4	5.4	4.9	46.9	.0	.2	44.5
SSE	1.0	5.5	.0	.0	.0	.0	.0	2.6	5.3	2.6	44.5	.0	.0	47.6
S	.9	3.5	.1	.0	.0	.0	.0	3.4	5.1	5.6	47.0	.0	.0	44.5
SSW	1.5	3.0	.2	.0	.0	.0	.0	1.7	5.7	5.3	48.9	.0	.0	42.5
SW	1.1	2.8	.0	.0	.0	.0	.0	1.7	7.9	8.2	48.0	.0	.0	42.2
WSW	1.1	2.9	.5	.0	.0	.0	.0	2.3	11.0	10.1	54.8	.0	.0	31.2
W	1.7	3.3	.7	.0	.0	.0	.0	4.6	14.5	10.6	58.1	.0	.0	26.1
WNW	3.3	6.0	1.3	.0	.0	.0	.0	5.3	10.6	10.6	47.0	.0	.0	34.4
NW	5.3	4.7	.0	.0	.0	.0	.0	3.6	7.7	11.8	46.2	.0	.0	36.1
NNW	3.3	3.3	.8	.0	.0	.0	.0	1.6	6.1	1.6	49.2	.0	.0	39.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	1.5	2.0	.2	.0	.0	.0	.0	1.1	16.1	21.5	57.0	.0	.1	27.6
TOTALS	466	290	34	0	0	0	0	178	817	683	4597	0	2	3775
% TOTAL	2.8	3.1	.4	.0	.0	.0	.0	1.9	8.6	7.2	48.5	.0	.0*	39.8

TOTAL NUMBER OF OBSERVATIONS : 9475

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : SEP

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	7.6	2.0	2.3	.0	.0	.0	.0	.5	9.8	2.3	29.8	.0	.0	54.6
NNE	7.6	2.2	2.2	.0	.0	.0	.0	.4	12.9	1.3	23.8	.0	.0	59.2
NE	7.8	2.0	2.4	.0	.0	.0	.0	.3	9.9	2.9	29.9	.0	.0	54.3
ENE	8.0	1.6	.2	.0	.0	.0	.0	.5	10.9	1.2	33.9	.0	.0	53.6
E	7.7	2.3	.4	.0	.0	.0	.0	1.0	8.5	2.7	35.0	.0	.0	52.4
ESE	9.3	1.9	.3	.0	.0	.0	.0	1.1	6.4	2.1	37.6	.0	.0	50.4
SE	3.8	1.2	.0	.0	.0	.0	.0	.5	5.5	3.6	35.4	.0	.0	54.6
SSE	2.9	3.7	.3	.0	.0	.0	.0	1.4	4.3	5.2	34.8	.0	.0	56.3
S	2.1	3.0	.0	.0	.0	.0	.0	1.1	6.1	5.9	39.2	.0	.0	52.2
SSW	1.2	2.8	.0	.0	.0	.0	.0	.2	7.8	7.1	40.1	.0	.0	50.2
SW	1.0	1.8	.0	.0	.0	.0	.0	.4	11.4	7.2	45.6	.0	.0	43.3
WSW	.4	1.2	.6	.0	.0	.0	.0	.4	11.6	5.5	40.4	.0	.0	48.0
W	2.3	1.9	.8	.0	.0	.0	.0	1.2	10.0	6.2	35.1	.0	.0	47.5
WNW	3.5	3.5	3.5	.0	.0	.0	.0	2.8	11.9	8.4	32.2	.0	.0	46.2
NW	3.3	1.4	4.7	.0	.0	.0	.0	.9	16.4	4.7	33.3	.0	.0	46.5
NNW	4.8	2.7	1.5	.0	.0	.0	.0	.6	10.8	2.7	33.4	.0	.0	52.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.9	.8	.1	.0	.0	.0	.0	.4	11.3	24.1	45.8	.0	.2	38.1
TOTALS	403	178	81	0	0	0	0	57	894	620	3327	0	2	4573
% TOTAL	4.4	1.9	.9	.0	.0	.0	.0	.6	9.8	6.8	36.4	.0	.0*	50.1

TOTAL NUMBER OF OBSERVATIONS : 9136

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : OCT

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	6.2	.8	3.0	.0	.0	.0	.0	.1	10.3	1.6	26.1	.0	.0	59.3
NNE	8.9	1.1	4.8	.0	.0	.0	.0	.1	14.1	.8	23.6	.0	.0	56.5
NE	6.9	.8	3.0	.0	.0	.0	.0	.0	14.4	2.5	28.1	.0	.0	53.3
ENE	9.0	1.0	2.0	.0	.0	.0	.0	.2	10.1	3.1	30.0	.0	.2	49.3
E	8.8	.9	.4	.0	.0	.0	.0	.2	9.3	3.2	29.4	.0	.0	52.5
ESE	10.8	1.0	.0	.0	.0	.0	.0	.3	14.2	4.4	28.7	.0	.0	51.7
SE	6.6	1.8	.7	.0	.0	.0	.0	.0	11.8	8.5	28.8	.0	.0	49.4
SSE	9.2	1.1	.7	.0	.0	.0	.0	.0	14.8	5.5	23.6	.0	.4	56.5
S	6.5	2.7	.2	.0	.0	.0	.0	.6	9.2	4.5	25.8	.0	.0	55.8
SSW	3.5	1.2	.4	.0	.0	.0	.0	.4	6.4	7.7	24.2	.0	.0	58.8
SW	1.3	1.1	.3	.0	.0	.0	.0	.1	7.9	7.3	27.8	.0	.0	58.3
WSW	1.3	1.7	.0	.0	.0	.0	.0	.4	10.2	7.1	26.4	.0	.0	56.6
W	3.5	.9	.9	.0	.0	.0	.0	.6	12.1	8.8	27.7	.0	.0	54.9
WNW	5.8	.8	1.2	.0	.0	.0	.0	.4	9.5	3.7	22.2	.0	.0	63.8
NW	5.0	2.1	4.7	.0	.0	.0	.0	.0	8.9	4.7	18.8	.0	.3	62.8
NNW	5.4	1.9	1.4	.0	.0	.0	.0	.3	5.8	1.5	18.0	.0	.0	71.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	1.3	.4	.3	.0	.0	.0	.0	.1	14.2	21.7	32.2	.0	.4	42.9
TOTALS	508	109	141	0	0	0	0	19	1031	635	2523	0	8	5225
% TOTAL	5.4	1.2	1.5	.0	.0	.0	.0	.2	10.9	6.7	26.6	.0	.1	55.1

TOTAL NUMBER OF OBSERVATIONS : 9478

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : NOV

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	10.9	1.3	3.2	.0	.1	.4	.0	.0	14.6	2.2	18.1	.0	.0	58.4
NNE	12.5	1.2	2.4	.0	.2	.0	.0	.0	18.8	2.4	19.4	.0	.0	55.4
NE	9.8	1.9	4.7	.0	.0	.0	.0	.3	14.3	3.1	27.0	.0	.0	50.9
ENE	11.6	.8	2.0	.0	.0	.0	.0	.0	17.2	3.6	26.4	.0	.0	45.2
E	10.9	.5	1.6	.0	.0	.0	.0	.3	19.0	2.6	29.4	.0	.0	44.4
ESE	13.7	1.3	1.8	.0	.0	.0	.0	.0	16.7	5.7	33.0	.0	.0	42.3
SE	9.0	.4	2.9	.0	.0	.0	.0	.0	14.4	6.5	23.5	.0	.0	52.7
SSE	10.2	1.9	1.0	.0	.0	.0	.0	.0	13.1	2.2	25.5	.0	.0	52.2
S	3.8	2.4	.7	.0	.0	.0	.0	.2	11.9	3.0	21.6	.0	.0	59.3
SSW	4.7	1.4	.2	.0	.0	.0	.0	.0	6.6	3.2	26.0	.0	.0	61.1
SW	2.0	.6	.9	.0	.0	.0	.0	.0	7.3	7.4	28.2	.0	.2	58.0
WSW	2.0	1.1	.3	.0	.0	.0	.0	.0	7.4	4.7	24.5	.0	.2	60.8
W	4.4	.5	1.3	.0	.0	.0	.0	.2	7.4	4.1	18.9	.0	.0	66.9
WNW	2.8	.8	1.3	.0	.3	.3	.0	.0	6.2	1.8	14.9	.0	.0	73.2
NW	4.9	1.4	2.9	.0	.0	.4	.0	.2	10.4	2.4	16.7	.0	.0	65.7
NNW	6.5	.7	2.0	.0	.1	.0	.0	.0	9.2	2.7	16.2	.0	.0	66.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	2.6	.5	.3	.0	.0	.0	.0	.1	17.3	15.9	32.5	.0	.3	43.5
TOTALS	559	96	140	0	4	7	0	6	1108	473	2153	0	7	5201
% TOTAL	6.1	1.1	1.5	.0	.0*	.1	.0	.1	12.1	5.2	23.6	.0	.1	56.9

TOTAL NUMBER OF OBSERVATIONS : 9137

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : DEC

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	6.7	.3	2.3	.1	.2	2.5	.0	.1	11.9	1.1	14.4	.3	.0	66.9
NNE	10.6	1.1	2.1	.0	.9	3.9	.0	.2	16.8	.4	19.1	.9	.0	57.3
NE	20.3	.7	3.4	.0	.0	.7	.0	.0	22.7	2.0	23.1	.0	.0	43.4
ENE	18.8	.4	2.7	.0	1.3	.4	.0	.4	20.5	3.6	18.3	.0	.0	48.7
E	24.3	1.1	3.2	.0	.0	.0	.0	.0	22.9	1.8	21.1	.0	.0	45.7
ESE	21.3	.0	1.8	.0	.0	.0	.0	.0	16.5	3.7	17.7	.0	.0	54.3
SE	18.6	1.1	2.2	.0	.0	.0	.0	.0	19.7	3.8	26.2	.0	.0	45.4
SSE	14.9	1.9	1.9	.0	.0	.0	.0	.4	16.4	1.9	18.2	.0	.0	55.0
S	11.2	2.1	2.0	.0	.0	.2	.0	.0	14.3	3.0	17.9	.0	.0	58.1
SSW	6.1	1.2	.5	.0	.2	.2	.0	.0	7.9	3.5	22.1	.0	.0	61.0
SW	5.0	.7	1.2	.0	.0	.0	.0	.1	8.5	3.5	17.4	.0	.0	65.1
WSW	4.5	1.3	1.0	.0	.0	.3	.0	.0	7.8	4.5	20.0	.0	.0	62.9
W	3.7	.9	1.2	.3	.1	.4	.0	.0	10.8	1.9	18.3	.0	.0	64.9
WNW	4.9	.0	1.6	.0	.0	1.0	.0	.0	9.0	2.2	13.4	.0	.0	69.5
NW	5.1	.2	2.5	.0	.4	1.4	.0	.0	12.2	2.1	14.3	.2	.0	66.6
NNW	7.5	1.1	3.9	.0	.1	2.0	.0	.0	16.2	1.5	12.8	.0	.0	65.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	3.7	.4	1.4	.0	.1	.0	.0	.0	14.3	8.7	24.8	.0	.1	56.3
TOTALS	776	83	182	3	16	87	0	5	1249	298	1757	9	1	5841
% TOTAL	8.1	.9	1.9	.0*	.2	.9	.0	.1	13.0	3.1	18.3	.1	.0*	60.9

TOTAL NUMBER OF OBSERVATIONS : 9597

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH : ANN

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	6.8	1.7	2.8	.1	.2	2.4	.0*	.5	13.8	1.8	23.5	.6	.0	56.4
NNE	9.6	1.7	3.3	.1	.3	1.1	.0	.5	18.2	1.7	25.2	.2	.0*	51.7
NE	10.1	2.2	2.7	.0*	.2	.6	.0	.4	17.1	2.3	31.3	.1	.0	46.6
ENE	9.7	1.6	1.6	.0*	.1	.4	.0	.6	13.6	2.2	33.0	.0	.0*	47.8
E	8.5	2.0	1.2	.0	.0*	.1	.0	.8	12.2	2.2	35.0	.0	.0*	48.0
ESE	8.1	2.3	.7	.0*	.0	.1	.0	1.2	10.7	2.6	34.3	.0	.0	49.9
SE	6.6	2.3	.8	.0*	.0	.1	.0	.9	9.8	3.7	31.8	.0	.0*	52.7
SSE	6.5	3.2	.6	.0	.0	.0*	.0	1.0	9.9	3.4	28.7	.0	.0*	55.1
S	4.8	3.4	.6	.0*	.0*	.1	.0	1.2	8.6	3.8	30.3	.0	.0*	54.3
SSW	3.3	2.4	.3	.0	.0*	.1	.0*	.7	5.8	3.9	30.7	.0	.0*	57.8
SW	2.3	1.8	.4	.0	.0	.0*	.0	.7	6.9	5.1	32.2	.0	.1	56.0
WSW	2.3	2.1	.4	.0	.0	.1	.0	.7	8.0	5.0	30.7	.0*	.2	55.2
W	3.1	2.1	1.0	.1	.0*	.6	.0	.9	9.8	4.3	24.9	.1	.0*	58.9
WNW	4.0	1.9	1.6	.0	.0*	.7	.0	.9	9.6	3.3	19.5	.1	.0*	64.1
NW	4.1	1.9	2.4	.1	.1	1.2	.0*	.7	11.8	2.9	19.7	.3	.0*	62.0
NNW	5.2	1.6	2.9	.1	.1	1.3	.0*	.5	12.6	1.8	19.9	.2	.0*	62.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	2.0	1.0	.5	.0*	.0*	.1	.0	.3	13.9	15.5	37.0	.0	.1	44.2
TOTALS	5849	2237	1462	32	75	573	4	780	12491	5089	32788	107	62	60090
% TOTAL	5.2	2.0	1.3	.0*	.1	.5	.0*	.7	11.2	4.6	29.4	.1	.1	53.8

TOTAL NUMBER OF OBSERVATIONS : 111686

NOTES :
* = PERCENT < .05

15 - MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURE (DEG F)
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

HOURS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	37.5	38.8	45.2	53.4	61.1	68.6	73.2	72.6	68.1	58.1	49.8	41.6	59.2
01	S.D.	10.554	10.431	9.677	8.701	7.347	5.930	4.418	4.565	5.983	8.347	9.543	10.847	6.612
	TOT OBS	1116	1017	1147	1110	1146	1112	1147	1147	1110	1147	1110	1146	12675
	MEAN	36.6	37.8	44.0	51.9	59.8	67.3	71.9	71.5	67.1	57.1	48.6	40.7	58.0
04	S.D.	10.892	10.645	9.674	8.689	7.189	5.870	4.368	4.501	6.012	8.538	9.646	10.988	7.160
	TOT OBS	1116	1017	1147	1112	1147	1112	1146	1147	1109	1147	1110	1146	12676
	MEAN	36.6	37.2	43.9	53.8	62.9	70.9	74.9	73.7	68.5	57.7	48.2	40.1	58.9
07	S.D.	11.305	10.714	9.863	8.218	6.534	5.144	3.748	3.899	5.728	8.588	9.768	11.049	9.616
	TOT OBS	1235	1099	1240	1200	1231	1199	1226	1232	1184	1225	1181	1257	13731
	MEAN	41.3	42.9	50.4	60.6	69.2	77.2	81.2	80.5	75.5	65.5	55.7	45.8	65.7
10	S.D.	10.873	10.666	10.751	9.748	8.163	6.580	5.035	4.829	6.019	7.457	8.997	10.169	8.000
	TOT OBS	1237	1098	1240	1200	1230	1198	1228	1232	1183	1223	1180	1259	13729
	MEAN	44.7	46.4	53.7	63.7	71.7	79.7	83.7	83.0	77.8	68.2	59.1	49.3	68.8
13	S.D.	11.771	11.663	11.862	10.831	9.184	7.588	6.171	6.013	6.973	8.169	9.921	10.988	6.702
	TOT OBS	1235	1097	1240	1200	1229	1198	1228	1229	1184	1223	1179	1254	13719
	MEAN	44.7	46.5	53.8	63.1	70.9	78.8	82.7	81.8	76.7	67.0	57.8	48.5	67.9
16	S.D.	11.437	11.195	11.642	10.617	9.138	7.769	6.331	6.036	6.800	7.652	9.325	10.510	5.759
	TOT OBS	1235	1095	1237	1191	1201	1153	1178	1181	1142	1195	1159	1238	13425
	MEAN	40.2	42.0	49.0	58.0	66.1	74.4	78.4	77.0	71.6	61.4	52.6	44.3	63.3
19	S.D.	10.307	10.182	10.066	9.367	8.125	6.784	5.114	4.792	5.807	7.355	8.994	10.144	6.307
	TOT OBS	1124	1027	1152	1121	1147	1137	1159	1159	1119	1149	1111	1150	12787
	MEAN	38.4	40.3	46.9	55.2	63.0	70.7	74.9	74.0	69.4	59.3	50.7	42.7	60.7
22	S.D.	10.443	10.300	9.641	8.812	7.506	6.020	4.500	4.521	5.909	7.903	9.486	10.615	6.075
	TOT OBS	1122	1020	1149	1113	1147	1125	1149	1147	1109	1147	1109	1146	12705
	MEAN	40.1	41.6	48.4	57.6	65.7	73.5	77.7	76.8	71.9	61.9	52.9	44.2	62.9
ALL	S.D.	11.419	11.273	11.128	10.369	9.035	7.890	6.573	6.484	7.352	9.057	10.270	11.165	8.194
	TOT OBS	9420	8480	9552	9247	9478	9234	9463	9474	9140	9456	9139	9596	105447

16 - MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURE (DEG F)
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

HOURS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	34.5	35.7	41.4	49.0	57.3	64.9	69.6	69.4	64.7	54.6	46.2	38.3	55.5
01	S.D.	10.531	10.228	9.470	8.493	7.184	5.928	4.503	4.913	6.617	8.822	9.819	10.840	8.198
	TOT OBS	1116	1017	1147	1110	1146	1112	1147	1147	1110	1147	1110	1146	12675
	MEAN	33.9	34.9	40.6	48.1	56.5	64.2	68.9	68.7	64.0	53.9	45.4	37.7	54.7
04	S.D.	10.876	10.503	9.729	8.720	7.300	6.012	4.605	4.973	6.633	8.993	9.944	11.000	8.636
	TOT OBS	1116	1016	1147	1112	1147	1112	1146	1147	1109	1147	1110	1146	12676
	MEAN	34.1	34.6	40.8	49.6	58.6	66.6	71.0	70.4	65.2	54.6	45.2	37.4	55.4
07	S.D.	11.275	10.623	9.990	8.407	6.901	5.379	3.892	4.363	6.362	8.909	10.063	11.066	10.220
	TOT OBS	1234	1099	1240	1200	1231	1199	1227	1231	1184	1224	1181	1256	13727
	MEAN	37.4	38.3	44.4	52.6	60.9	68.2	72.5	72.3	67.9	58.5	49.7	41.3	58.5
10	S.D.	10.783	10.223	10.090	8.735	7.291	5.753	4.252	4.648	6.182	7.983	9.284	10.271	7.815
	TOT OBS	1237	1098	1240	1200	1230	1198	1227	1231	1183	1223	1180	1259	13727
	MEAN	39.1	40.2	45.8	53.7	61.6	68.8	73.0	72.8	68.2	59.2	51.0	43.0	59.6
13	S.D.	10.714	10.233	9.912	8.623	7.316	5.913	4.482	4.843	6.208	7.845	9.309	10.244	6.416
	TOT OBS	1235	1097	1240	1200	1229	1198	1228	1228	1184	1223	1179	1254	13718
	MEAN	39.0	40.1	45.8	53.5	61.4	68.5	72.8	72.5	67.8	58.6	50.3	42.6	59.2
16	S.D.	10.443	9.690	9.437	8.312	7.176	5.848	4.413	4.774	6.115	7.689	8.956	9.946	5.719
	TOT OBS	1235	1095	1237	1191	1201	1152	1178	1181	1142	1195	1159	1238	13424
	MEAN	36.2	37.7	43.4	51.1	59.7	67.2	71.5	70.9	66.2	56.3	47.8	40.2	57.4
19	S.D.	10.035	9.588	9.001	8.110	7.015	5.797	4.301	4.713	6.336	8.143	9.385	10.243	7.298
	TOT OBS	1123	1037	1152	1120	1147	1136	1157	1158	1117	1147	1109	1149	12786
	MEAN	35.1	36.7	42.4	50.1	58.5	66.0	70.4	70.0	65.3	55.2	46.7	39.2	56.3
22	S.D.	10.249	9.957	9.163	8.277	7.069	5.792	4.378	4.836	6.506	8.466	9.772	10.625	7.891
	TOT OBS	1121	1018	1149	1112	1147	1124	1146	1146	1107	1146	1107	1145	12704
	MEAN	36.2	37.3	43.1	51.0	59.4	66.8	71.3	70.9	66.2	56.4	47.8	40.0	57.1
ALL	S.D.	10.811	10.341	9.815	8.686	7.367	6.012	4.576	4.967	6.541	8.595	9.809	10.725	8.074
	TOT OBS	9417	8477	9552	9245	9478	9231	9456	9469	9136	9452	9135	9593	105437

DEW-POINT TEMPERATURE (DEG F)
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

HOURS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	29.0	30.1	36.1	44.4	54.4	62.7	67.8	67.7	62.5	51.4	41.9	33.1	51.6
	S.D.	13.479	12.976	11.976	10.522	8.271	6.772	5.181	5.713	7.873	10.645	12.049	13.364	13.017
	TOT OBS	1116	1017	1147	1110	1146	1112	1147	1147	1110	1147	1110	1146	12675
04	MEAN	28.7	29.6	35.8	44.1	53.9	62.2	67.3	67.2	62.0	50.9	41.4	32.9	51.1
	S.D.	13.650	13.184	12.212	10.703	8.514	6.920	5.261	5.843	7.905	10.641	12.019	13.378	13.211
	TOT OBS	1116	1016	1147	1112	1147	1118	1146	1147	1109	1147	1110	1146	12682
07	MEAN	29.4	29.6	36.3	45.4	55.7	64.1	69.1	68.8	63.2	51.8	41.4	32.9	51.8
	S.D.	13.863	13.125	12.498	10.659	8.595	6.439	4.746	5.298	7.648	10.420	12.021	13.331	13.970
	TOT OBS	1235	1099	1240	1200	1231	1199	1227	1231	1184	1224	1181	1256	13727
10	MEAN	31.1	31.0	36.8	45.0	54.9	63.2	68.4	68.5	63.5	52.9	43.4	35.0	52.3
	S.D.	13.888	13.493	13.227	11.607	9.576	7.330	5.552	6.051	8.025	10.774	12.333	13.408	13.416
	TOT OBS	1237	1098	1239	1200	1230	1197	1227	1231	1183	1223	1180	1259	13725
13	MEAN	30.6	30.9	36.2	44.5	54.5	62.8	68.1	68.0	62.8	52.0	42.6	34.5	51.8
	S.D.	13.876	13.612	13.051	11.734	9.763	7.633	5.852	6.332	8.170	10.983	12.780	13.813	13.652
	TOT OBS	1235	1097	1240	1200	1229	1198	1228	1228	1184	1223	1179	1254	13718
16	MEAN	30.3	30.7	36.2	44.5	54.7	62.9	68.1	68.0	62.7	51.9	42.3	34.5	51.6
	S.D.	13.956	13.289	12.628	11.486	9.491	7.470	5.753	6.231	8.117	11.004	12.608	13.606	13.539
	TOT OBS	1235	1095	1237	1191	1201	1153	1177	1184	1142	1195	1159	1238	13427
19	MEAN	29.4	30.7	36.3	44.5	54.9	63.2	68.2	67.9	62.9	52.0	42.3	33.8	52.0
	S.D.	13.273	12.791	11.824	10.710	8.652	7.100	5.387	5.958	7.921	10.538	12.314	13.568	13.026
	TOT OBS	1124	1037	1152	1121	1147	1137	1159	1159	1119	1149	1111	1150	12787
22	MEAN	29.1	30.7	36.7	45.0	55.2	63.2	68.2	67.9	62.8	51.6	41.9	33.6	52.0
	S.D.	13.179	12.842	11.715	10.452	8.248	6.782	5.162	5.750	7.853	10.475	12.319	13.470	12.926
	TOT OBS	1122	1019	1149	1113	1147	1125	1149	1147	1109	1147	1109	1146	12704
ALL	MEAN	29.7	30.4	36.3	44.7	54.8	63.0	68.2	68.0	62.8	51.8	42.1	33.8	51.8
	S.D.	13.680	13.179	12.419	11.012	8.933	7.086	5.392	5.921	7.949	10.699	12.322	13.511	13.364
	TOT OBS	9420	8478	9551	9247	9478	9239	9460	9474	9140	9455	9139	9595	105445

18 - MEANS AND STANDARD DEVIATIONS

SEA-LEVEL PRESSURE (MB)
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

HOURS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	1018.4	1017.8	1016.6	1016.0	1015.8	1015.6	1016.2	1016.6	1017.9	1018.6	1018.6	1019.2	1017.6
	S.D.	8.746	8.920	8.196	7.520	5.559	4.806	4.162	4.079	5.129	6.503	7.588	8.319	7.042
	TOT OBS	1116	1016	1147	1110	1146	1111	1147	1147	1110	1147	1110	1146	12674
04	MEAN	1018.4	1017.4	1016.1	1015.7	1015.6	1015.3	1016.0	1016.3	1017.6	1018.3	1018.5	1019.2	1017.3
	S.D.	8.737	9.000	8.252	7.669	5.588	4.851	4.170	4.013	5.016	6.568	7.638	8.354	7.102
	TOT OBS	1116	1017	1147	1110	1146	1111	1146	1146	1107	1147	1110	1146	12670
07	MEAN	1019.3	1018.5	1017.2	1017.0	1016.7	1016.2	1016.8	1017.2	1018.5	1019.2	1019.3	1020.0	1018.3
	S.D.	8.767	9.048	8.530	7.891	5.646	4.931	4.168	4.027	5.077	6.662	7.641	8.400	7.144
	TOT OBS	1235	1093	1217	1180	1210	1178	1207	1209	1183	1233	1179	1257	13601
10	MEAN	1020.3	1019.2	1017.6	1017.3	1017.0	1016.5	1017.1	1017.6	1019.0	1019.8	1019.9	1020.9	1018.9
	S.D.	8.891	9.224	8.858	8.132	5.791	5.013	4.209	4.080	5.232	6.836	7.735	8.504	7.316
	TOT OBS	1237	1092	1217	1180	1210	1177	1207	1209	1184	1232	1178	1259	13603
13	MEAN	1018.3	1017.6	1016.3	1016.1	1016.1	1015.9	1016.5	1016.9	1018.1	1018.4	1018.2	1018.9	1017.6
	S.D.	8.952	9.330	8.897	8.169	5.861	4.990	4.270	4.140	5.319	6.935	7.757	8.545	7.352
	TOT OBS	1235	1091	1217	1180	1209	1176	1206	1207	1184	1233	1177	1254	13590
16	MEAN	1018.0	1016.7	1015.2	1015.0	1015.2	1015.0	1015.6	1016.0	1017.2	1017.8	1017.8	1018.6	1016.8
	S.D.	8.838	9.273	8.687	7.948	5.824	4.975	4.290	4.158	5.276	6.892	7.676	8.400	7.356
	TOT OBS	1235	1089	1214	1171	1179	1131	1158	1159	1142	1200	1159	1238	13295
19	MEAN	1018.6	1017.4	1015.9	1015.4	1015.4	1015.2	1015.7	1016.2	1017.5	1018.5	1018.6	1019.4	1017.2
	S.D.	8.736	9.086	8.317	7.653	5.632	4.812	4.194	4.124	5.140	6.667	7.629	8.305	7.166
	TOT OBS	1124	1037	1152	1120	1147	1137	1158	1159	1119	1148	1111	1150	12784
22	MEAN	1018.9	1017.8	1016.7	1016.3	1016.2	1016.0	1016.5	1017.0	1018.2	1019.0	1019.0	1019.6	1017.9
	S.D.	8.725	8.961	8.134	7.474	5.504	4.720	4.135	3.962	5.101	6.576	7.561	8.313	7.007
	TOT OBS	1122	1019	1149	1113	1147	1125	1148	1146	1109	1147	1109	1146	12702
ALL	MEAN	1018.8	1017.8	1016.5	1016.1	1016.0	1015.7	1016.3	1016.7	1018.0	1018.7	1018.7	1019.5	1017.7
	S.D.	8.828	9.134	8.524	7.847	5.707	4.912	4.228	4.106	5.189	6.733	7.678	8.421	7.217
	TOT OBS	9420	8454	9460	9164	9394	9146	9377	9382	9138	9487	9133	9596	104919

STATION PRESSURE (INCHES OF HG)
(FROM HOURLY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

HOURS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	30.055	30.030	29.997	29.980	29.978	29.969	29.986	29.996	30.033	30.051	30.056	30.074	30.022
	S.D.	.254	.261	.236	.219	.159	.141	.121	.118	.146	.190	.220	.244	.205
	TOT OBS	1054	988	1085	1080	1115	1082	1116	1116	1080	1085	1050	1086	12275
04	MEAN	30.053	30.020	29.985	29.972	29.972	29.961	29.979	29.988	30.023	30.043	30.052	30.074	30.015
	S.D.	.253	.262	.235	.223	.160	.142	.121	.117	.150	.193	.222	.246	.207
	TOT OBS	1054	989	1084	1080	1115	1081	1115	1116	1079	1085	1050	1086	12271
07	MEAN	30.082	30.052	30.017	30.009	30.004	29.989	30.005	30.014	30.050	30.071	30.075	30.097	30.045
	S.D.	.255	.264	.246	.230	.162	.142	.121	.118	.150	.195	.223	.247	.209
	TOT OBS	1173	1065	1155	1149	1178	1148	1176	1178	1138	1147	1100	1176	13120
10	MEAN	30.111	30.073	30.029	30.016	30.012	29.996	30.013	30.026	30.065	30.087	30.092	30.123	30.060
	S.D.	.259	.269	.256	.238	.167	.144	.123	.119	.152	.201	.226	.251	.214
	TOT OBS	1174	1064	1155	1148	1178	1146	1176	1178	1139	1146	1101	1177	13119
13	MEAN	30.052	30.026	29.989	29.983	29.987	29.977	29.996	30.006	30.039	30.048	30.041	30.064	30.022
	S.D.	.260	.272	.257	.238	.169	.146	.124	.120	.153	.203	.226	.250	.214
	TOT OBS	1174	1063	1155	1149	1177	1147	1175	1175	1139	1147	1099	1175	13112
16	MEAN	30.043	30.001	29.957	29.952	29.959	29.953	29.971	29.980	30.013	30.030	30.030	30.055	29.999
	S.D.	.256	.271	.252	.232	.167	.146	.124	.120	.152	.201	.223	.247	.214
	TOT OBS	1173	1061	1152	1140	1148	1102	1127	1127	1097	1117	1080	1158	12819
19	MEAN	30.060	30.019	29.978	29.963	29.966	29.957	29.973	29.984	30.024	30.048	30.054	30.077	30.013
	S.D.	.253	.266	.241	.223	.162	.141	.121	.119	.148	.195	.222	.244	.208
	TOT OBS	1062	1009	1090	1089	1116	1107	1125	1128	1087	1085	1049	1088	12384
22	MEAN	30.070	30.031	30.002	29.987	29.989	29.980	29.996	30.005	30.042	30.063	30.065	30.084	30.031
	S.D.	.253	.262	.235	.218	.158	.139	.120	.119	.146	.192	.220	.245	.205
	TOT OBS	1060	991	1087	1082	1116	1095	1115	1116	1076	1084	1048	1084	12304
ALL	MEAN	30.066	30.032	29.994	29.983	29.983	29.973	29.990	30.000	30.036	30.056	30.058	30.081	30.026
	S.D.	.256	.267	.246	.229	.164	.143	.123	.120	.151	.197	.223	.248	.210
	TOT OBS	8924	8230	8963	8917	9143	8908	9125	9134	8835	8896	8577	9030	101404

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

PERCENT OF HOURS WITH
CEILING LESS THAN 5000 FEET & VISIBILITY LESS THAN 5.00 MILES

HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
01	33	31	28	27	29	28	30	34	33	32	32	30	31	43
04	34	34	31	28	35	39	39	44	42	38	35	31	36	43
07	43	40	37	34	37	41	46	53	50	50	46	42	43	43
10	38	34	32	30	31	31	36	40	36	33	33	35	34	43
13	33	32	31	30	33	32	39	40	37	33	32	32	34	43
16	32	32	33	29	30	27	34	35	29	29	30	31	31	43
19	30	31	30	29	28	29	30	34	30	31	28	30	30	43
22	29	31	27	25	26	27	29	29	28	30	30	29	28	43
ALL	34	33	31	29	31	32	36	39	36	35	34	33	33	43

PERCENT OF HOURS WITH
CEILING LESS THAN 3000 FEET & VISIBILITY LESS THAN 3.00 MILES

HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
01	23	23	21	18	19	14	11	14	18	22	20	22	19	43
04	24	25	23	20	22	21	17	20	25	26	23	22	22	43
07	31	30	27	22	25	24	24	29	33	33	30	29	28	43
10	27	25	23	21	23	20	23	23	25	22	23	23	23	43
13	24	23	22	19	22	17	20	22	24	22	19	22	21	43
16	23	23	20	16	18	14	16	16	18	20	19	20	19	43
19	21	23	19	16	15	14	11	15	16	19	18	20	17	43
22	21	23	19	15	16	13	11	13	14	18	20	20	17	43
ALL	24	24	22	19	20	17	17	19	22	23	22	22	21	43

PERCENT OF HOURS WITH
CEILING LESS THAN 1000 FEET & VISIBILITY LESS THAN 3.00 MILES

HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
01	15	16	12	11	12	8	6	9	9	12	12	13	11	43
04	16	17	14	12	15	14	11	14	16	17	14	14	14	43
07	21	21	19	16	16	16	18	23	23	23	21	20	20	43
10	18	16	14	11	10	7	5	5	8	9	12	15	11	43
13	14	14	11	8	8	5	4	4	7	8	9	12	9	43
16	14	15	12	8	9	7	6	6	7	9	10	12	9	43
19	12	16	12	10	10	8	6	9	8	9	10	12	10	43
22	13	16	12	9	10	7	4	6	5	9	11	12	10	43
ALL	15	16	13	11	11	9	7	9	10	12	13	14	12	43

20 - FLYING WEATHER - PERCENT OF HOURS

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

PERCENT OF HOURS WITH
CEILING LESS THAN 400 FEET & VISIBILITY LESS THAN 1 MILES

HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
01	7	9	5	5	6	2	1	2	2	5	5	6	4	43
04	8	9	7	7	7	4	3	4	4	6	7	7	6	43
07	8	9	7	5	5	3	2	3	7	8	8	8	6	43
10	6	6	5	3	2	1	0*	0*	1	2	3	4	3	43
13	5	5	3	1	1	0*	0*	0*	1	1	2	4	2	43
16	5	5	3	2	2	1	1	1	1	1	2	4	2	43
19	5	6	5	4	3	1	1	1	1	2	3	4	3	43
22	6	7	5	4	4	2	0*	0*	1	3	3	4	3	43
ALL	6	7	5	4	4	2	1	1	2	3	4	5	4	43

PERCENT OF HOURS WITH
CEILING LESS THAN 100 FEET & VISIBILITY LESS THAN 1/4 MILES

HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
01	2	3	2	2	2	0*	0*	0*	1	1	2	2	1	43
04	2	4	2	3	3	1	1	1	2	2	3	2	2	43
07	2	4	2	2	1	0*	1	1	2	3	3	3	2	43
10	1	1	1	0*	0*	0	0	0	0	0*	1	0*	0*	43
13	0*	0*	0*	0*	0*	0	0	0	0*	0	0	0*	0*	43
16	1	0*	0*	0*	0	0*	0	0	0*	0*	0	1	0*	43
19	1	1	1	1	1	0	0*	0	0	0*	1	1	0*	43
22	2	2	1	1	1	1	0	0*	0*	1	1	1	1	43
ALL	1	2	1	1	1	0*	0*	0*	1	1	1	1	1	43

NOTE :
* = VALUE > 0 AND < 0.5 PERCENT

5 - DAILY TEMPERATURES

ELEMENT TYPE : MAXIMUM TEMPERATURE

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (DEG F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
>=100	.0	.0	.0	.0	.0	.8	.2	.3	.0	.0	.0	.0	.1
>= 95	.0	.0	.0	.1	.1	3.6	7.0	4.6	1.1	.1	.0	.0	1.4
>= 90	.0	.0	.1	.9	3.0	17.0	29.8	23.7	8.1	.3	.0	.0	7.0
>= 85	.0	.0	1.0	5.9	14.8	39.6	57.7	52.9	24.0	3.1	.0	.0	16.8
>= 80	.0	.4	4.0	14.5	33.6	63.8	83.7	80.3	50.4	11.7	2.0	.2	29.0
>= 75	.8	1.9	9.2	27.0	50.5	83.9	98.1	96.0	76.7	28.3	9.8	1.6	40.6
>= 70	4.1	5.9	17.0	40.4	68.9	94.4	99.7	99.8	94.2	51.7	22.9	6.2	50.7
>= 65	9.6	12.2	27.1	56.5	85.0	98.8	100.0	100.0	99.2	75.5	37.9	15.3	60.0
>= 60	19.1	23.0	41.2	72.7	96.0	100.0	100.0	100.0	100.0	91.9	56.7	28.6	69.3
>= 55	29.1	36.0	56.0	89.1	99.6	100.0	100.0	100.0	100.0	97.9	73.9	41.1	77.0
>= 50	41.6	48.9	72.1	96.7	100.0	100.0	100.0	100.0	100.0	99.2	88.5	60.0	84.0
>= 45	59.5	64.1	86.7	99.6	100.0	100.0	100.0	100.0	100.0	99.9	96.9	77.3	90.4
>= 40	75.7	82.1	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4	88.9	95.2
>= 35	88.0	92.6	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.7	97.8
>= 30	96.1	98.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2	99.4
>= 25	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.9
>= 20	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0
>= 15	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>= 10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
MEAN	48.1	50.2	57.5	67.1	74.6	82.0	85.8	84.9	79.7	70.0	61.3	52.6	67.9
S.D.	11.541	11.520	11.730	10.490	8.855	7.537	5.940	5.845	6.743	7.839	9.604	10.769	16.135
TOT. OBS.	1183	1066	1190	1155	1187	1178	1193	1187	1130	1144	1124	1211	13948

NOTES :
* = PERCENT < .05

6 - DAILY TEMPERATURES

ELEMENT TYPE : MINIMUM TEMPERATURE

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (DEG F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
>= 80	.0	.0	.0	.0	.0	.1	.5	.0	.0	.0	.0	.0	.1
>= 75	.0	.0	.0	.0	.1	4.2	14.2	10.5	3.0	.0	.0	.0	2.7
>= 70	.0	.0	.0	.1	3.0	24.9	61.7	57.5	25.1	1.5	.1	.0	14.7
>= 65	.0	.0	.8	2.4	17.6	58.9	88.9	85.3	55.3	9.8	.5	.0	26.9
>= 60	.1	.2	2.4	8.8	40.1	84.5	98.3	97.1	79.7	29.1	4.5	.8	37.5
>= 55	.9	1.5	5.2	21.3	64.3	95.8	99.8	99.5	93.0	48.6	15.1	3.1	46.0
>= 50	3.7	4.6	12.7	42.1	84.9	99.3	100.0	100.0	99.2	67.3	27.8	8.5	54.5
>= 45	7.8	10.5	25.1	65.9	96.0	100.0	100.0	100.0	100.0	84.3	45.1	18.8	63.0
>= 40	20.2	22.9	49.5	87.6	99.7	100.0	100.0	100.0	100.0	94.8	66.4	33.5	73.1
>= 35	37.1	42.6	72.9	97.4	100.0	100.0	100.0	100.0	100.0	98.4	84.8	51.9	82.2
>= 30	59.3	64.6	90.7	99.9	100.0	100.0	100.0	100.0	100.0	99.8	96.2	71.8	90.3
>= 25	79.0	83.6	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	89.5	95.8
>= 20	91.2	93.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7	98.5
>= 15	97.2	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	99.6
>= 10	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	99.9
>= 5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>= 0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>= -5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
MEAN	31.8	33.1	39.9	48.2	57.2	65.4	70.1	69.5	64.7	53.6	43.9	35.7	51.2
S.D.	9.195	9.046	8.403	7.675	7.113	5.768	4.356	4.598	6.129	8.525	8.942	9.543	15.706
TOT. OBS.	1183	1066	1190	1154	1187	1178	1193	1187	1130	1144	1124	1211	13947

NOTES :
* = PERCENT < .05

7 - DAILY TEMPERATURES

ELEMENT TYPE : MEAN TEMPERATURE

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (DEG F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
>= 90	.0	.0	.0	.0	.0	.3	.1	.2	.0	.0	.0	.0	.1
>= 85	.0	.0	.0	.0	.0	2.8	8.0	4.7	.8	.0	.0	.0	1.4
>= 80	.0	.0	.0	.2	2.4	19.9	42.5	35.6	11.9	.3	.0	.0	9.6
>= 75	.0	.0	.6	2.9	13.5	48.3	76.4	74.4	36.7	3.8	.1	.0	21.7
>= 70	.0	.3	2.5	10.6	35.0	74.6	97.1	94.1	68.6	16.3	2.5	.3	33.8
>= 65	.5	1.2	6.6	23.3	58.2	94.1	99.9	99.5	89.8	38.5	9.4	2.1	43.9
>= 60	3.3	4.3	14.7	39.4	78.9	99.2	100.0	100.0	99.0	64.0	23.8	6.0	53.0
>= 55	7.9	10.4	26.6	61.8	94.0	100.0	100.0	100.0	100.0	85.0	41.6	15.9	62.2
>= 50	18.3	22.4	42.4	84.1	99.5	100.0	100.0	100.0	100.0	95.2	63.0	29.6	71.4
>= 45	31.7	37.4	66.0	95.8	100.0	100.0	100.0	100.0	100.0	99.0	82.2	46.7	80.0
>= 40	49.8	56.4	85.0	99.7	100.0	100.0	100.0	100.0	100.0	99.8	95.1	68.0	87.9
>= 35	71.5	78.2	95.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	86.0	94.3
>= 30	86.4	90.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	94.0	97.5
>= 25	95.4	97.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	99.3
>= 20	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	99.9
>= 15	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0
>= 10	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>= 5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
MEAN	40.2	41.9	48.9	57.9	66.1	73.9	78.2	77.5	72.4	62.1	52.9	44.4	59.8
S.D.	9.749	9.680	9.436	8.436	7.315	6.103	4.633	4.665	5.770	7.266	8.566	9.532	15.563
TOT. OBS.	1183	1066	1190	1154	1187	1178	1193	1187	1130	1144	1124	1211	13947

NOTES :
* = PERCENT < .05

PERCENTAGE FREQUENCY OF PRECIPITATION

(FROM DAILY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987

	INCHES													PERCENT OF DAYS WITH AMOUNTS	TOTAL NO. OF OBS	TOTAL PRECIPITATION (INCHES)		
	NONE	TRACE	.01	<=.05	<=.10	<=.25	<=.50	<=1.0	<=2.5	<=5.0	<=10.0	<=20.0	>20.0	>=.01		MEAN	HI	LOW
JAN	53.4	14.2	1.9	5.9	3.7	5.8	6.9	6.0	1.9	.4	.0	.0	.0	32.5	1115	.38	11.37	1.23
FEB	51.1	13.9	2.2	6.3	3.8	6.9	6.5	6.3	2.9	.0	.0	.0	.0	35.0	1008	.73	6.27	1.00
MAR	52.6	14.0	2.7	5.8	3.5	8.0	5.4	5.4	2.5	.2	.0	.0	.0	33.4	1116	1.10	6.89	.89
APR	53.7	14.3	2.7	7.0	5.1	7.2	4.9	3.6	1.3	.3	.0	.0	.0	32.1	1079	1.37	6.87	.99
MAY	54.5	14.7	1.9	5.3	3.3	6.6	6.2	4.7	2.7	.1	.0	.0	.0	30.8	1116	1.73	6.63	.43
JUN	57.8	12.9	3.4	5.0	3.2	5.2	5.1	4.9	2.1	.4	.0	.0	.0	29.4	1080	2.04	6.79	.03
JUL	53.0	12.0	3.0	4.8	3.5	7.5	4.2	7.5	4.1	.4	.0	.0	.0	35.0	1114	2.53	10.67	.94
AUG	56.4	12.1	2.0	5.1	3.3	6.4	4.8	5.1	3.7	.7	.4	.0	.0	31.5	1135	3.07	17.80	.00
SEP	63.5	12.1	1.7	4.9	2.8	4.7	3.2	3.2	2.7	1.1	.1	.0	.0	24.4	1047	3.46	11.49	.18
OCT	66.4	11.3	2.1	3.3	1.8	5.0	3.5	3.1	2.9	.4	.1	.0	.0	22.2	1075	3.78	9.99	.00
NOV	60.7	13.6	2.4	5.0	2.9	4.6	4.7	4.5	1.4	.3	.0	.0	.0	25.7	1070	4.05	7.48	.00
DEC	58.3	11.4	2.1	5.2	4.1	6.0	5.7	5.2	1.8	.0	.0	.0	.0	30.2	1145	4.37	5.81	.62
ANN	57.1	12.9	2.3	5.3	3.4	6.1	5.1	4.9	2.5	.3	.0*	.0	.0	30.0	13196	4.34	62.26	28.08

NOTES :

.00T, .0 OR 0.T = ZERO PRECIPITATION .SNOWFALL OR SNOW DEPTH MEASURED BUT A TRACE WAS NOTED

* = PERCENT < .05

ANNUAL HI AND LOW VALUES ARE DERIVED FROM ANNUAL TOTALS.

***** = ANNUAL MINIMUM TOTAL PRECIPITATION IS NOT AVAILABLE. MONTHLY MINIMUM TOTALS MAY BE MISLEADING

PERCENTAGE FREQUENCY OF SNOW FALL

(FROM DAILY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

	INCHES													PERCENT OF DAYS WITH AMOUNTS	TOTAL NO. OF OBS	TOTAL PRECIPITATION (INCHES)		
	NONE	TRACE	.1-.4	.5-1.4	<=2.4	<=3.4	<=4.4	<= 6.4	<=10.4	<=15.4	<=25.4	<=50.4	>50.4	>=.1		MEAN	HI	LOW
JAN	86.7	9.4	.6	1.0	1.1	.4	.3	.2	.4	.0	.0	.0	.0	3.9	1134	3.8	17.6	.0
FEB	87.4	8.9	.5	1.7	.3	.2	.7	.2	.2	.0	.0	.0	.0	3.7	1026	5.0	17.5	.0
MAR	94.5	3.8	.1	.7	.6	.0	.0	.0	.2	.1	.0	.0	.0	1.7	1134	6.3	19.0	.0
APR	99.0	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1095	6.3T	.4	.0
MAY	99.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1138	6.3T	.0T	.0
JUN	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1122	6.3	.0	.0
JUL	99.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1159	6.3T	.0T	.0
AUG	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1150	6.3	.0	.0
SEP	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1092	6.3	.0	.0
OCT	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1091	6.3	.0	.0
NOV	98.3	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1081	6.3T	.6	.0
DEC	94.3	4.7	.2	.3	.2	.1	.2	.0	.1	.0	.0	.0	.0	1.0	1148	7.0	12.2	.0
ANN	96.7	2.4	.1	.3	.2	.1	.1	.0*	.1	.0*	.0	.0	.0	.9	13370	7.0	42.6	.0T

NOTES :
.00T, .0 OR 0.T = ZERO PRECIPITATION ,SNOWFALL OR SNOW DEPTH MEASURED BUT A TRACE WAS NOTED
* = PERCENT < .05
ANNUAL HI AND LOW VALUES ARE DERIVED FROM ANNUAL TOTALS.
***** = ANNUAL MINIMUM TOTAL PRECIPITATION IS NOT AVAILABLE. MONTHLY MINIMUM TOTALS MAY BE MISLEADING

PERCENTAGE FREQUENCY OF SNOW DEPTH

(FROM DAILY OBSERVATIONS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22
PERIOD OF RECORD : 1945-1987

	INCHES													PERCENT OF DAYS WITH AMOUNTS	TOTAL NO. OF OBS	TOTAL PRECIPITATIO (INCHES)		
	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	60-120	> 120	>= 1		MEAN	HI	LOW
JAN	90.6	4.5	2.3	1.2	.5	.4	.4	.0	.0	.0	.0	.0	.0	4.9	1133		9.	0.
FEB	90.9	3.9	1.9	1.6	.3	1.1	.3	.1	.0	.0	.0	.0	.0	5.2	1026		13.	0.
MAR	97.1	1.3	.5	.4	.1	.1	.3	.2	.0	.0	.0	.0	.0	1.5	1115		19.	0.
APR	99.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1080		0.	0.
MAY	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1116		0.	0.
JUN	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1105		0.	0.
JUL	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1122		0.	0.
AUG	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1116		0.	0.
SEP	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1050		0.	0.
OCT	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1054		0.	0.
NOV	99.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1048		0.	0.
DEC	96.5	1.7	.5	.7	.2	.3	.2	.0	.0	.0	.0	.0	.0	1.8	1142		10.	0.
ANN	97.9	1.0	.4	.3	.1	.2	.1	.0*	.0	.0	.0	.0	.0	1.1	13107		19.	0.T

NOTES :
.00T, .0 OR 0.T = ZERO PRECIPITATION ,SNOWFALL OR SNOW DEPTH MEASURED BUT A TRACE WAS NOTED
* = PERCENT < .05
ANNUAL HI AND LOW VALUES ARE DERIVED FROM ANNUAL TOTALS.
***** = ANNUAL MINIMUM TOTAL PRECIPITATION IS NOT AVAILABLE. MONTHLY MINIMUM TOTALS MAY BE MISLEADING

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987

MONTH : JAN

DAY	PRECIPITATION INCHES	MM	DATE	SNOWFALL INCHES	MM	DATE	SNOW DEPTH INCHES	MM	DATE
1	3.00	76	1987	T	T	1971	T	T	1956
2	1.63	41	1979	T	T	1962	T	T	1962
3	1.62	41	1985	T	T	1969	0.	0	1987
4	.67	17	1972	T	T	1981	T	T	1958
5	3.27	83	1971	2.60	66	1980	0.	0	1987
6	1.85	47	1962	1.00	25	1977	1.	25	1980
7	1.14	29	1958	2.00	51	1958	T	T	1980
8	1.55	39	1967	6.80	173	1973	1.	25	1958
9	.87	22	1964	.90	23	1956	7.	178	1973
10	.96	24	1952	7.60	193	1962	6.	152	1973
11	1.08	27	1954	1.30	33	1955	7.	178	1962
12	.86	22	1979	6.90	175	1962	7.	178	1962
13	1.54	39	1978	T	T	1986	9.	229	1962
14	1.68	43	1961	1.50	38	1982	7.	178	1962
15	1.17	30	1954	2.80	71	1965	1.	25	1982
16	.97	25	1965	5.00	127	1965	T	T	1982
17	.87	22	1978	1.00	25	1985	2.	51	1965
18	1.99	51	1987	T	T	1971	2.	51	1965
19	2.62	67	1987	3.00	76	1967	1.	25	1965
20	1.58	40	1969	1.70	43	1985	2.	51	1985
21	1.08	27	1979	T	T	1984	2.	51	1985
22	2.79	71	1954	T	T	1961	T	T	1985
23	.54	14	1982	1.60	41	1954	2.	51	1954
24	.61	15	1958	3.50	89	1955	3.	76	1955
25	.85	22	1964	.10	3	1968	T	T	1968
26	1.22	31	1966	9.50	241	1966	2.	51	1987
27	.95	24	1976	3.00	76	1966	6.	152	1966
28	1.69	43	1962	3.10	79	1962	3.	76	1966
29	.69	18	1966	4.40	112	1966	3.	76	1962
30	.55	14	1971+	5.50	140	1965	5.	127	1966
31	1.26	32	1960	3.50	89	1980	6.	152	1965
MONTH	3.27	83	1971	9.50	241	1966	9.	229	1962

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987

MONTH : FEB

DAY	PRECIPITATION INCHES	MM	DATE	SNOWFALL INCHES	MM	DATE	SNOW DEPTH INCHES	MM	DATE
1	1.31	33	1985	T	T	1971	4.	102	1966
2	1.39	35	1973	6.00	152	1978	2.	51	1966
3	1.81	46	1970	1.00	25	1970	6.	152	1978
4	1.18	30	1959	1.00	25	1974	4.	102	1978
5	.80	20	1960	T	T	1984	2.	51	1978
6	1.00	25	1980	10.00	254	1980	2.	51	1978
7	.88	22	1979	4.20	107	1968	10.	254	1980
8	1.43	36	1961	3.90	99	1964	8.	203	1980
9	.46	12	1957	3.50	89	1980	6.	152	1980
10	.50	13	1973	5.00	127	1973	13.	330	1980
11	2.04	52	1983	1.30	33	1964	7.	178	1980
12	1.22	31	1963	1.00	25	1964	6.	152	1980
13	1.19	30	1960	3.00	76	1960	5.	127	1980
14	2.15	55	1984	4.00	102	1965	4.	102	1980
15	1.20	30	1958	T	T	1986	2.	51	1980
16	2.15	55	1974	2.00	51	1977	2.	51	1980
17	.97	25	1967	T	T	1987	T	T	1980
18	.75	19	1979	6.50	165	1979	T	T	1980
19	.87	22	1963	.80	20	1979	1.	25	1979
20	.90	23	1981	1.00	25	1969	T	T	1979
21	.71	18	1954	1.00	25	1963	0.	0	1987
22	.79	20	1974	.10	3	1978	1.	25	1963
23	.74	19	1984	.00	0	1987	T	T	1963
24	1.69	43	1952	1.00	25	1968	1.	25	1968
25	1.27	32	1979	T	T	1986	1.	25	1968
26	1.43	36	1958	4.00	102	1963	T	T	1970
27	2.00	51	1955	2.00	51	1973	5.	127	1963
28	2.09	53	1957	.50	13	1978	4.	102	1963
29									
30									
31									
MONTH	2.15	55	1984	10.00	254	1980	13.	330	1980

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987

MONTH : MAR

DAY	PRECIPITATION INCHES	MM	DATE	SNOWFALL INCHES	MM	DATE	SNOW DEPTH INCHES	MM	DATE
1	1.20	30	1980	12.00	305	1980	10.	254	1980
2	.70	18	1980	7.00	178	1980	12.	305	1980
3	1.36	35	1971	1.00	25	1978	19.	483	1980
4	.78	20	1952	T	T	1987	19.	483	1980
5	1.02	26	1962	.00	0	1987	10.	254	1980
6	2.59	66	1955	1.80	46	1962	T	T	1980
7	1.36	35	1983	1.10	28	1962	1.	25	1962
8	1.29	33	1957	T	T	1960	T	T	1980
9	1.74	44	1976	2.20	56	1969	T	T	1980
10	1.31	33	1978	1.60	41	1960	3.	76	1960
11	.75	19	1974	T	T	1987	2.	51	1960
12	.98	25	1968	T	T	1987	1.	25	1960
13	.79	20	1984	T	T	1968	T	T	1960
14	1.10	28	1954	.00	0	1987	0.	0	1987
15	.68	17	1964	T	T	1970	0.	0	1987
16	1.77	45	1956	T	T	1987	0.	0	1987
17	4.09	104	1968	T	T	1967	0.	0	1987
18	.97	25	1980	T	T	1981	0.	0	1987
19	1.75	44	1975	T	T	1981	T	T	1981
20	.96	24	1977	.10	3	1960	0.	0	1987
21	1.91	49	1973	.60	15	1960	T	T	1960
22	.87	22	1985	T	T	1973	0.	0	1987
23	.65	17	1981	.00	0	1987	0.	0	1987
24	1.65	42	1952	T	T	1983	0.	0	1987
25	.70	18	1974	7.00	178	1974	0.	0	1987
26	1.09	28	1978	2.10	53	1971	4.	102	1974
27	.71	18	1959	T	T	1971	1.	25	1971
28	2.24	57	1984	.00	0	1987	0.	0	1987
29	2.20	56	1984	.00	0	1987	0.	0	1987
30	.94	24	1959	1.00	25	1964	0.	0	1987
31	1.46	37	1958	.00	0	1987	0.	0	1987
MONTH	4.09	104	1968	12.00	305	1980	19.	483	1980

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987

MONTH : APR

DAY	PRECIPITATION INCHES	MM	DATE	SNOWFALL INCHES	MM	DATE	SNOW DEPTH INCHES	MM	DATE
1	.96	24	1976	T	T	1964	0.	0	1987
2	.71	18	1959	.00	0	1987	0.	0	1987
3	1.21	31	1979	.00	0	1987	0.	0	1987
4	2.30	58	1984	T	T	1954	0.	0	1987
5	.83	21	1968	T	T	1987	0.	0	1987
6	1.35	34	1971	.00	0	1987	0.	0	1987
7	1.22	31	1964	T	T	1971	0.	0	1987
8	.93	24	1957	T	T	1982	0.	0	1987
9	.57	14	1982	.00	0	1987	0.	0	1987
10	.88	22	1953	.00	0	1987	0.	0	1987
11	1.81	46	1956	.00	0	1987	0.	0	1987
12	3.34	85	1959	.00	0	1987	0.	0	1987
13	1.00	25	1979	T	T	1957	0.	0	1987
14	.74	19	1970	.00	0	1987	0.	0	1987
15	2.78	71	1975	.00	0	1987	0.	0	1987
16	1.60	41	1983	.00	0	1987	0.	0	1987
17	.39	10	1954	.00	0	1987	0.	0	1987
18	.42	11	1978	.30	8	1983	0.	0	1987
19	.37	9	1978	.10	3	1983	T	T	1983
20	.46	12	1981	.00	0	1987	0.	0	1987
21	.78	20	1986	.00	0	1987	0.	0	1987
22	.76	19	1972	.00	0	1987	0.	0	1987
23	1.35	34	1984	.00	0	1987	0.	0	1987
24	1.59	40	1983	T	T	1983	0.	0	1987
25	.71	18	1975	.00	0	1987	0.	0	1987
26	2.57	65	1978	T	T	1983	0.	0	1987
27	1.13	29	1973	.00	0	1987	0.	0	1987
28	1.50	38	1958	.00	0	1987	0.	0	1987
29	.88	22	1962	.00	0	1987	0.	0	1987
30	2.19	56	1953	.00	0	1987	0.	0	1987
31									
MONTH	3.34	85	1959	.30	8	1983	T	T	1983

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987

MONTH : MAY

DAY	PRECIPITATION INCHES	MM	DATE	SNOWFALL INCHES	MM	DATE	SNOW DEPTH INCHES	MM	DATE
1	.57	14	1966	.00	0	1987	0.	0	1987
2	.88	22	1966	.00	0	1987	0.	0	1987
3	1.42	36	1972	.00	0	1987	0.	0	1987
4	1.91	49	1970	.00	0	1987	0.	0	1987
5	.73	19	1958	.00	0	1987	0.	0	1987
6	1.18	30	1958	.00	0	1987	0.	0	1987
7	.78	20	1977	.00	0	1987	0.	0	1987
8	1.07	27	1984	T	T	1984	0.	0	1987
9	.55	14	1974	T	T	1981	0.	0	1987
10	.38	10	1981	.00	0	1987	0.	0	1987
11	1.58	40	1961	.00	0	1987	0.	0	1987
12	.60	15	1964	.00	0	1987	0.	0	1987
13	.76	19	1978	.00	0	1987	0.	0	1987
14	1.29	33	1979	.00	0	1987	0.	0	1987
15	1.32	34	1954	.00	0	1987	0.	0	1987
16	.92	23	1983	.00	0	1987	0.	0	1987
17	1.15	29	1976	.00	0	1987	0.	0	1987
18	1.68	43	1979	.00	0	1987	0.	0	1987
19	1.01	26	1953	.00	0	1987	0.	0	1987
20	1.34	34	1980	.00	0	1987	0.	0	1987
21	.93	24	1954	.00	0	1987	0.	0	1987
22	.70	18	1955	.00	0	1987	0.	0	1987
23	.81	21	1984	.00	0	1987	0.	0	1987
24	1.70	43	1982	.00	0	1987	0.	0	1987
25	2.18	55	1966	.00	0	1987	0.	0	1987
26	1.12	28	1970	.00	0	1987	0.	0	1987
27	1.27	32	1968	.00	0	1987	0.	0	1987
28	1.30	33	1973	.00	0	1987	0.	0	1987
29	3.16	80	1963	.00	0	1987	0.	0	1987
30	1.98	50	1984	.00	0	1987	0.	0	1987
31	2.44	62	1952	.00	0	1987	0.	0	1987
MONTH	3.16	80	1963	T	T	1984	0.	0	1987

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
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THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987

MONTH : JUN

DAY	PRECIPITATION INCHES	MM	DATE	SNOWFALL INCHES	MM	DATE	SNOW DEPTH INCHES	MM	DATE
1	.66	17	1956	.00	0	1987	0.	0	1987
2	4.80	122	1959	.00	0	1987	0.	0	1987
3	1.37	35	1963	.00	0	1987	0.	0	1987
4	2.11	54	1960	.00	0	1987	0.	0	1987
5	2.72	69	1957	.00	0	1987	0.	0	1987
6	1.22	31	1972	.00	0	1987	0.	0	1987
7	1.31	33	1983	.00	0	1987	0.	0	1987
8	2.58	66	1978	.00	0	1987	0.	0	1987
9	1.09	28	1977	.00	0	1987	0.	0	1987
10	.59	15	1966	.00	0	1987	0.	0	1987
11	.89	23	1979	.00	0	1987	0.	0	1987
12	1.04	26	1958	.00	0	1987	0.	0	1987
13	1.08	27	1962	.00	0	1987	0.	0	1987
14	.99	25	1969	.00	0	1987	0.	0	1987
15	1.48	38	1965	.00	0	1987	0.	0	1987
16	.98	25	1965	.00	0	1987	0.	0	1987
17	.83	21	1968	.00	0	1987	0.	0	1987
18	1.15	29	1973	.00	0	1987	0.	0	1987
19	.89	23	1955	.00	0	1987	0.	0	1987
20	1.72	44	1974	.00	0	1987	0.	0	1987
21	1.20	30	1961	.00	0	1987	0.	0	1987
22	.91	23	1978	.00	0	1987	0.	0	1987
23	1.14	29	1974	.00	0	1987	0.	0	1987
24	.89	23	1967	.00	0	1987	0.	0	1987
25	1.32	34	1970	.00	0	1987	0.	0	1987
26	.97	25	1961	.00	0	1987	0.	0	1987
27	1.03	26	1973	.00	0	1987	0.	0	1987
28	1.33	34	1984	.00	0	1987	0.	0	1987
29	1.16	29	1973	.00	0	1987	0.	0	1987
30	1.00	25	1982	.00	0	1987	0.	0	1987
31									
MONTH	4.80	122	1959	.00	0	1987	0.	0	1987

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987

MONTH : JUL

DAY	PRECIPITATION INCHES	MM	DATE	SNOWFALL INCHES	MM	DATE	SNOW DEPTH INCHES	MM	DATE
1	1.05	27	1969	.00	0	1987	0.	0	1987
2	2.14	54	1959	.00	0	1987	0.	0	1987
3	1.17	30	1968	.00	0	1987	0.	0	1987
4	1.25	32	1962	.00	0	1987	0.	0	1987
5	2.60	66	1983	.00	0	1987	0.	0	1987
6	1.00	25	1985	.00	0	1987	0.	0	1987
7	.99	25	1984	.00	0	1987	0.	0	1987
8	.92	23	1975	.00	0	1987	0.	0	1987
9	3.85	98	1976	.00	0	1987	0.	0	1987
10	1.65	42	1970	T	T	1985	0.	0	1987
11	1.48	38	1965	.00	0	1987	0.	0	1987
12	1.34	34	1955	.00	0	1987	0.	0	1987
13	1.05	27	1984	.00	0	1987	0.	0	1987
14	1.01	26	1967	.00	0	1987	0.	0	1987
15	1.54	39	1973	.00	0	1987	0.	0	1987
16	1.99	51	1970	.00	0	1987	0.	0	1987
17	.69	18	1984	.00	0	1987	0.	0	1987
18	1.05	27	1984	.00	0	1987	0.	0	1987
19	2.18	55	1953	.00	0	1987	0.	0	1987
20	1.12	28	1968	.00	0	1987	0.	0	1987
21	1.70	43	1969	.00	0	1987	0.	0	1987
22	1.39	35	1979	.00	0	1987	0.	0	1987
23	1.50	38	1957	.00	0	1987	0.	0	1987
24	1.35	34	1957	.00	0	1987	0.	0	1987
25	1.15	29	1975	.00	0	1987	0.	0	1987
26	3.18	81	1974	.00	0	1987	0.	0	1987
27	1.95	50	1969	.00	0	1987	0.	0	1987
28	1.77	45	1958	.00	0	1987	0.	0	1987
29	2.28	58	1984	.00	0	1987	0.	0	1987
30	3.01	76	1966	.00	0	1987	0.	0	1987
31	1.54	39	1982	.00	0	1987	0.	0	1987
MONTH	3.85	98	1976	T	T	1985	0.	0	1987

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987

MONTH : AUG

DAY	PRECIPITATION INCHES	MM	DATE	SNOWFALL INCHES	MM	DATE	SNOW DEPTH INCHES	MM	DATE
1	1.31	33	1978	.00	0	1987	0.	0	1987
2	.75	19	1954	.00	0	1987	0.	0	1987
3	1.23	31	1973	.00	0	1987	0.	0	1987
4	1.80	46	1987	.00	0	1987	0.	0	1987
5	2.21	56	1960	.00	0	1987	0.	0	1987
6	2.02	51	1960	.00	0	1987	0.	0	1987
7	2.00	51	1952	.00	0	1987	0.	0	1987
8	1.01	26	1982	.00	0	1987	0.	0	1987
9	2.28	58	1976	.00	0	1987	0.	0	1987
10	1.67	42	1976	.00	0	1987	0.	0	1987
11	3.43	87	1982	.00	0	1987	0.	0	1987
12	5.29	134	1986	.00	0	1987	0.	0	1987
13	4.73	120	1953	.00	0	1987	0.	0	1987
14	6.05	154	1953	.00	0	1987	0.	0	1987
15	4.28	109	1980	.00	0	1987	0.	0	1987
16	.89	23	1982	.00	0	1987	0.	0	1987
17	4.14	105	1953	.00	0	1987	0.	0	1987
18	1.28	33	1959	.00	0	1987	0.	0	1987
19	5.09	129	1957	.00	0	1987	0.	0	1987
20	2.01	51	1958	.00	0	1987	0.	0	1987
21	1.96	50	1967	.00	0	1987	0.	0	1987
22	2.29	58	1981	.00	0	1987	0.	0	1987
23	1.20	30	1967	.00	0	1987	0.	0	1987
24	.25	6	1983	.00	0	1987	0.	0	1987
25	1.88	48	1958	.00	0	1987	0.	0	1987
26	2.83	72	1958	.00	0	1987	0.	0	1987
27	3.23	82	1971	.00	0	1987	0.	0	1987
28	.99	25	1972	.00	0	1987	0.	0	1987
29	1.00	25	1954	.00	0	1987	0.	0	1987
30	1.64	42	1954	.00	0	1987	0.	0	1987
31	9.84	250	1964	.00	0	1987	0.	0	1987
MONTH	9.84	250	1964	.00	0	1987	0.	0	1987

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987

MONTH : SEP

DAY	PRECIPITATION INCHES	MM	DATE	SNOWFALL INCHES	MM	DATE	SNOW DEPTH INCHES	MM	DATE
1	3.86	98	1964	.00	0	1987	0.	0	1987
2	4.09	104	1972	.00	0	1987	0.	0	1987
3	1.46	37	1955	.00	0	1987	0.	0	1987
4	.74	19	1970	.00	0	1987	0.	0	1987
5	1.99	51	1979	.00	0	1987	0.	0	1987
6	1.68	43	1974	.00	0	1987	0.	0	1987
7	.60	15	1968	.00	0	1987	0.	0	1987
8	3.65	93	1981	.00	0	1987	0.	0	1987
9	.64	16	1957	.00	0	1987	0.	0	1987
10	2.71	69	1967	.00	0	1987	0.	0	1987
11	1.14	29	1971	.00	0	1987	0.	0	1987
12	2.82	72	1960	.00	0	1987	0.	0	1987
13	3.41	87	1964	.00	0	1987	0.	0	1987
14	1.58	40	1984	.00	0	1987	0.	0	1987
15	2.83	72	1963	.00	0	1987	0.	0	1987
16	1.62	41	1967	.00	0	1987	0.	0	1987
17	5.01	127	1957	.00	0	1987	0.	0	1987
18	.63	16	1972	.00	0	1987	0.	0	1987
19	2.01	51	1955	.00	0	1987	0.	0	1987
20	1.49	38	1969	.00	0	1987	0.	0	1987
21	1.69	43	1972	.00	0	1987	0.	0	1987
22	1.49	38	1979	.00	0	1987	0.	0	1987
23	.48	12	1985	.00	0	1987	0.	0	1987
24	.49	12	1979	.00	0	1987	0.	0	1987
25	1.05	27	1980	.00	0	1987	0.	0	1987
26	2.99	76	1985	.00	0	1987	0.	0	1987
27	3.93	100	1953	.00	0	1987	0.	0	1987
28	2.34	59	1959	.00	0	1987	0.	0	1987
29	1.15	29	1957	.00	0	1987	0.	0	1987
30	3.75	95	1971	.00	0	1987	0.	0	1987
31									
MONTH	5.01	127	1957	.00	0	1987	0.	0	1987

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987

MONTH : OCT

	PRECIPITATION			SNOWFALL			SNOW DEPTH		
DAY	INCHES	MM	DATE	INCHES	MM	DATE	INCHES	MM	DATE
1	2.93	74	1971	.00	0	1987	0.	0	1987
2	2.00	51	1961	.00	0	1987	0.	0	1987
3	5.97	152	1962	.00	0	1987	0.	0	1987
4	1.56	40	1964	.00	0	1987	0.	0	1987
5	1.08	27	1964	.00	0	1987	0.	0	1987
6	1.43	36	1972	.00	0	1987	0.	0	1987
7	1.45	37	1968	.00	0	1987	0.	0	1987
8	.74	19	1969	.00	0	1987	0.	0	1987
9	1.49	38	1959	.00	0	1987	0.	0	1987
10	1.66	42	1971	.00	0	1987	0.	0	1987
11	.91	23	1952	.00	0	1987	0.	0	1987
12	.66	17	1977	.00	0	1987	0.	0	1987
13	1.15	29	1982	.00	0	1987	0.	0	1987
14	1.39	35	1959	.00	0	1987	0.	0	1987
15	1.37	35	1970	.00	0	1987	0.	0	1987
16	.72	18	1974	.00	0	1987	0.	0	1987
17	2.34	59	1956	.00	0	1987	0.	0	1987
18	2.13	54	1957	.00	0	1987	0.	0	1987
19	1.09	28	1968	.00	0	1987	0.	0	1987
20	1.56	40	1961	.00	0	1987	0.	0	1987
21	3.62	92	1958	.00	0	1987	0.	0	1987
22	.70	18	1956	.00	0	1987	0.	0	1987
23	1.72	44	1971	.00	0	1987	0.	0	1987
24	1.75	44	1959	.00	0	1987	0.	0	1987
25	3.10	79	1980	.00	0	1987	0.	0	1987
26	.83	21	1977	.00	0	1987	0.	0	1987
27	.83	21	1987	.00	0	1987	0.	0	1987
28	.86	22	1972	.00	0	1987	0.	0	1987
29	.60	15	1977+	.00	0	1987	0.	0	1987
30	2.72	69	1956	.00	0	1987	0.	0	1987
31	.16	4	1976	.00	0	1987	0.	0	1987
MONTH	5.97	152	1962	.00	0	1987	0.	0	1987

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987

MONTH : NOV

DAY	PRECIPITATION INCHES	MM	DATE	SNOWFALL INCHES	MM	DATE	SNOW DEPTH INCHES	MM	DATE
1	3.09	78	1957	.00	0	1987	0.	0	1987
2	.96	24	1969	.00	0	1987	0.	0	1987
3	.89	23	1962	.00	0	1987	0.	0	1987
4	1.70	43	1982	.00	0	1987	0.	0	1987
5	1.53	39	1953	T	T	1953	0.	0	1987
6	2.80	71	1977	T	T	1953	0.	0	1987
7	.94	24	1959	T	T	1953	0.	0	1987
8	1.18	30	1972	T	T	1976	0.	0	1987
9	.90	23	1962	.00	0	1987	0.	0	1987
10	.97	25	1987	.00	0	1987	0.	0	1987
11	1.76	45	1970	.60	15	1987	T	T	1987
12	1.92	49	1979	T	T	1976	0.	0	1987
13	.81	21	1975	T	T	1983	0.	0	1987
14	.41	10	1981	.00	0	1987	0.	0	1987
15	.70	18	1976	.00	0	1987	0.	0	1987
16	.92	23	1978	T	T	1969	0.	0	1987
17	.65	17	1981	.00	0	1987	0.	0	1987
18	.34	9	1960	T	T	1959	0.	0	1987
19	.92	23	1984	T	T	1961	0.	0	1987
20	1.08	27	1952	.00	0	1987	0.	0	1987
21	4.18	106	1952	T	T	1987	0.	0	1987
22	.54	14	1962	T	T	1972	0.	0	1987
23	1.36	35	1977	.00	0	1987	0.	0	1987
24	.80	20	1983	T	T	1956	0.	0	1987
25	1.11	28	1957	.00	0	1987	0.	0	1987
26	.90	23	1958	T	T	1977	0.	0	1987
27	1.18	30	1978	.00	0	1987	0.	0	1987
28	.79	20	1984	T	T	1953	0.	0	1987
29	1.70	43	1963	T	T	1966	0.	0	1987
30	.75	19	1957	T	T	1967	0.	0	1987
31									
MONTH	4.18	106	1952	.60	15	1987	T	T	1987

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD : 1945-1987

MONTH : DEC

DAY	PRECIPITATION INCHES	MM	DATE	SNOWFALL INCHES	MM	DATE	SNOW DEPTH INCHES	MM	DATE
1	.86	22	1974	.00	0	1987	0.	0	1987
2	1.27	32	1952	.00	0	1987	0.	0	1987
3	1.40	36	1984	T	T	1966	0.	0	1987
4	.57	14	1955	T	T	1957	0.	0	1987
5	.61	15	1978	T	T	1984	0.	0	1987
6	1.18	30	1983	4.00	102	1954	2.	51	1954
7	.79	20	1975	3.50	89	1968	2.	51	1954
8	1.08	27	1973	.30	8	1968	4.	102	1968
9	2.06	52	1957	T	T	1981	3.	76	1968
10	1.31	33	1969	.00	0	1987	2.	51	1968
11	1.21	31	1960	8.00	203	1958	2.	51	1968
12	1.52	39	1983	2.00	51	1958	10.	254	1958
13	2.03	52	1966	T	T	1982	9.	229	1958
14	1.60	41	1977	2.20	56	1958	5.	127	1958
15	2.09	53	1956	T	T	1968	4.	102	1958
16	1.80	46	1970	T	T	1969	3.	76	1958
17	1.42	36	1961	1.00	25	1973	2.	51	1958
18	1.78	45	1977	T	T	1981	1.	25	1973
19	.46	12	1959	T	T	1982	1.	25	1958
20	.75	19	1951	T	T	1985	1.	25	1958
21	.85	22	1970	3.00	76	1962	2.	51	1962
22	.58	15	1969	T	T	1981	0.	0	1987
23	.90	23	1963	.40	10	1967	T	T	1967
24	1.40	36	1986	T	T	1983	0.	0	1987
25	.92	23	1981	T	T	1985	0.	0	1987
26	1.93	49	1964	T	T	1980	0.	0	1987
27	.71	18	1964	T	T	1980	0.	0	1987
28	2.09	53	1958	T	T	1977	0.	0	1987
29	.57	14	1982	T	T	1987	0.	0	1987
30	.65	17	1977	T	T	1983	0.	0	1987
31	1.98	50	1952	.00	0	1987	T	T	1955
MONTH	2.09	53	1958	8.00	203	1958	10.	254	1958

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

PRECIPITATION (INCHES)
(FROM DAILY OBS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1951	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	T	MISS
1952	2.02	1.69	1.65	1.12	2.44	.80	.83	2.00	.53	1.10	4.18	1.98	4.18
1953	.37	1.15	.61	2.19	1.01	.84	2.18	6.05	3.93	.80	2.48	.82	6.05
1954	2.79	.71	1.10	.59	1.32	.03	PART	1.64	1.88	PART	.31	.72	PART
1955	.78	2.00	2.59	.42	.70	1.08	1.34	3.85	2.01	1.23	.65	.74	3.85
1956	.89	.93	1.77	1.81	.72	.66	1.11	1.62	1.41	2.72	.39	2.09	2.72
1957	.87	2.09	1.30	.93	.95	2.72	1.50	5.09	5.01	2.13	3.09	2.06	5.09
1958	1.14	1.43	1.62	1.50	1.18	1.04	1.77	2.83	.47	3.62	.90	2.09	3.62
1959	.67	1.18	1.04	3.34	.66	4.80	2.14	1.28	2.34	1.75	.94	.57	4.80
1960	1.26	1.19	.83	.60	.89	2.11	1.96	2.21	2.82	.99	.34	1.21	2.82
1961	1.68	1.43	.53	1.13	1.58	1.20	1.28	.47	.70	2.00	.72	1.42	2.00
1962	1.85	.41	1.02	.88	1.09	1.08	1.56	1.59	1.04	5.97	.90	.71	5.97
1963	.77	1.22	.76	.72	3.16	3.96	.56	.60	2.83	.60	1.70	.90	3.96
1964	.87	.86	.88	1.22	.60	.57	.98	9.84	3.86	1.56	.61	PART	MISS
1965	.97	1.12	.63	.56	1.20	1.48	1.91	.88	.35	1.08	.24	.43	1.91
1966	1.22	1.62	.75	.64	2.18	.75	3.01	1.98	.92	.45	.47	2.03	3.01
1967	1.55	.97	.74	.28	.60	.89	1.65	1.96	2.71	.45	.61	.98	2.71
1968	1.64	.65	4.09	.83	1.27	.83	1.17	.75	.75	1.45	.83	.79	4.09
1969	1.58	.67	1.09	.45	.43	1.43	1.95	1.09	1.49	1.90	.96	1.31	1.95
1970	.82	1.81	.66	PART	1.91	1.32	1.99	.87	.74	1.37	1.76	1.80	PART
1971	3.27	1.01	1.36	1.35	.94	.34	.67	3.23	3.75	2.93	.33	.45	3.75
1972	.80	.90	.71	.76	1.42	1.22	1.29	.99	4.09	1.43	1.18	1.30	4.09
1973	.68	1.39	1.91	1.13	1.30	1.16	1.54	1.25	.66	1.23	1.21	1.08	1.91
1974	.66	2.15	1.18	.80	1.10	1.72	3.18	1.09	1.68	.72	.45	.86	3.18
1975	.95	.97	1.75	2.78	1.04	.38	1.26	1.17	2.16	.52	.81	.95	2.78
1976	.95	.82	1.74	.96	1.38	1.09	3.85	PART	PART	.56	.70	.51	PART
1977	.88	.65	.96	.27	1.69	1.09	.71	.88	.65	1.18	2.80	1.78	2.80
1978	1.72	.63	1.31	2.57	1.78	2.58	1.18	1.31	.26	1.53	1.18	.61	2.58
1979	1.63	1.27	1.62	1.21	1.68	.89	1.39	.68	PART	.47	1.92	.38	PART
1980	.65	1.00	1.20	.68	1.34	.47	.84	4.28	1.14	3.10	.91	.83	4.28
1981	1.03	.90	.65	.52	1.18	1.23	1.08	2.29	3.65	1.39	.65	1.39	3.65
1982	.54	1.19	1.04	.93	1.70	1.00	1.54	3.43	1.31	1.45	1.70	.84	3.43
1983	.60	2.04	1.36	1.60	1.03	1.31	2.60	1.00	MISS	MISS	T	T	MISS
1984	.84	2.15	2.24	2.30	1.98	1.33	2.28	3.23	1.58	.13	.92	1.40	3.23
1985	1.62	1.31	.87	.38	.93	1.40	1.00	.21	3.07	MISS	MISS	T	MISS
1986	PART	.45	.61	.78	.18	1.07	.63	5.29	.14	.48	.40	1.40	PART
1987	3.00	.77	.84	.69	.60	.64	1.02	2.01	.57	.83	.97	.64	3.00
MEAN	1.24	1.19	1.25	1.11	1.25	1.29	1.57	2.26	1.83	1.49	1.09	1.03	3.48
S.D.	.696	.490	.694	.742	.599	.942	.755	1.966	1.335	1.155	.895	.603	1.105
TOT OBS	35	36	36	35	36	36	35	35	33	33	35	36	28

NOTE :
T = TRACE AMOUNTS (LESS THAN .01, .1, OR 1.0 INCHES)

23 - EXTREME VALUES

PRECIPITATION (INCHES)
(FROM DAILY OBS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 PAGE : 1

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1954							1.37			.24			PRECIP
							29			30			# DAYS
1964												1.93	PRECIP
												30	# DAYS
1970				.96									PRECIP
				29									# DAYS
1976								2.28	.27				PRECIP
								30	28				# DAYS
1979									1.99				PRECIP
									29				# DAYS
1986	.67												PRECIP
	30												# DAYS

SNOWFALL (INCHES)
(FROM DAILY OBS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 —

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1952	T	T	T	.0	.0	.0	.0	.0	.0	.0	.0	T	T
1953	.0	.0	T	.0	.0	.0	.0	.0	.0	.0	T	.0	T
1954	1.6	.0	.0	T	.0	.0	.0	.0	.0	.0	.0	4.0	4.0
1955	3.5	T	T	.0	.0	.0	.0	.0	.0	.0	.0	T	3.5
1956	.9	.0	T	.0	.0	.0	.0	.0	.0	.0	T	T	.9
1957	T	T	.0	T	.0	.0	.0	.0	.0	.0	.0	T	T
1958	2.0	T	T	.0	.0	.0	.0	.0	.0	.0	.0	8.0	8.0
1959	2.0	.0	T	.0	.0	.0	.0	.0	.0	.0	T	T	2.0
1960	T	3.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	T	3.0
1961	2.3	1.0	PART	.0	.0	.0	.0	.0	.0	.0	T	T	PART
1962	7.6	.5	1.8	.0	.0	.0	.0	.0	.0	.0	.0	3.0	7.6
1963	T	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	T	4.0
1964	T	3.9	1.0	T	.0	.0	.0	.0	.0	.0	T	PART	MISS
1965	5.5	4.0	T	.0	.0	.0	.0	.0	.0	.0	.0	T	5.5
1966	9.5	T	.0	.0	.0	.0	.0	.0	.0	.0	T	T	9.5
1967	3.0	2.6	T	.0	.0	.0	.0	.0	.0	.0	T	.4	3.0
1968	1.5	4.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.2
1969	T	1.0	2.3	.0	.0	.0	.0	.0	.0	.0	T	T	2.3
1970	.5	1.0	T	.0	.0	.0	.0	.0	.0	.0	.0	T	1.0
1971	.8	.8	2.1	T	.0	.0	.0	.0	.0	.0	.0	T	2.1
1972	T	.2	T	T	.0	.0	.0	.0	.0	.0	T	.0	.2
1973	6.8	5.0	T	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.8
1974	T	1.0	7.0	.0	.0	.0	.0	.0	.0	.0	.0	T	7.0
1975	T	T	T	.0	.0	.0	.0	.0	.0	.0	.0	T	T
1976	T	T	.0	.0	.0	.0	.0	.0	.0	.0	T	T	T
1977	2.3	2.0	.0	.0	.0	.0	.0	.0	.0	.0	T	T	2.3
1978	.4	6.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0
1979	1.6	6.5	T	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5
1980	3.5	10.0	12.0	.0	.0	.0	.0	.0	.0	.0	.0	T	12.0
1981	T	.0	T	.0	T	.0	.0	.0	.0	.0	.0	T	T
1982	1.5	T	T	T	.0	.0	.0	.0	.0	.0	.0	T	1.5
1983	T	2.1	T	.3	.0	.0	.0	.0	MISS	MISS	MISS	MISS	MISS
1984	T	1.2	T	.0	T	.0	.0	.0	.0	.0	.0	T	1.2
1985	1.7	.0	.0	.0	.0	.0	T	.0	.0	MISS	MISS	MISS	MISS
1986	PART	T	T	.0	.0	.0	.0	.0	.0	.0	.0	.0	PART
1987	1.6	T	T	T	.0	.0	.0	.0	.0	.0	.6	T	1.6
MEAN	1.7	1.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.4
S.D.	2.366	2.382	2.351	.050	.000	.000	.000	.000	.000	.000	.103	1.681	3.195
TOT OBS	35	36	35	36	36	36	36	36	35	34	34	33	31

NOTE :
T = TRACE AMOUNTS (LESS THAN .01, .1, OR 1.0 INCHES)

SNOWFALL (INCHES)
(FROM DAILY OBS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 PAGE : 1

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961			.0										SNOWFALL
			30										# DAYS
1964												.0	SNOWFALL
												30	# DAYS
1986	1.6												SNOWFALL
	30												# DAYS

25 - EXTREME VALUES

SNOW DEPTH (INCHES)
(FROM DAILY OBS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1954	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.
1955	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	T	3.
1956	T	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	T
1957	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	T	T
1958	1.	T	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	10.
1959	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	T	2.
1960	0.	1.	3.	0.	0.	0.	0.	0.	0.	0.	0.	T	3.
1961	1.	T	PART	0.	0.	0.	0.	0.	0.	0.	0.	0.	PART
1962	9.	T	1.	0.	0.	0.	0.	0.	0.	0.	0.	2.	9.
1963	0.	5.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.
1964	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	PART	MISS
1965	6.	2.	0.	0.	0.	0.	0.	0.	0.	0.	PART	0.	PART
1966	6.	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.
1967	2.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	T	3.
1968	2.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	4.	4.
1969	0.	T	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.
1970	T	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
1971	T	T	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.
1972	T	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	T
1973	7.	5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	7.
1974	0.	T	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.
1975	T	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	T
1976	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	T	T
1977	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.
1978	T	6.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.
1979	T	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.
1980	2.	13.	19.	0.	0.	0.	0.	0.	0.	0.	0.	0.	13.
1981	0.	0.	T	0.	0.	0.	0.	0.	0.	0.	0.	T	T
1982	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	T	1.
1983	0.	1.	0.	T	0.	0.	0.	0.	MISS	MISS	MISS	MISS	MISS
1984	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
1985	PART	0.	0.	0.	0.	0.	0.	0.	0.	MISS	MISS	MISS	MISS
1986	PART	T	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	PART
1987	2.	0.	T	0.	0.	0.	0.	0.	0.	0.	T	0.	2.
MEAN	1.5	1.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.3
S.D.	2.342	2.677	1.933	.000	.000	.000	.000	.000	.000	.000	.000	1.944	3.309
TOT OBS	32	34	33	34	34	34	34	34	33	32	31	31	28

NOTE :
T = TRACE AMOUNTS (LESS THAN .01, .1, OR 1.0 INCHES)

25 - EXTREME VALUES

SNOW DEPTH (INCHES)
(FROM DAILY OBS)

013769 OCEANA, VA
PERIOD OF RECORD : 1945-1987

LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961			0.										SNO DEPTH
			30										# DAYS
1964												0.	SNO DEPTH
												30	# DAYS
1965											0.		SNO DEPTH
											29		# DAYS
1985	2.												SNO DEPTH
	30												# DAYS
1986	1.												SNO DEPTH
	29												# DAYS

DAILY PEAK GUST (KNOTS)
(FROM DAILY OBS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 —

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949	PART\	PART\	MISS\	MISS\	MISS\	PART\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS
1950	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS
1951	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	MISS\	PART\	MISS
1952	NNW 39\	W 38\WNW 43\WSW 39\	W 35\ SW 43\WSW 36\WSW 29\UNK 40\NNW 36\	SE 38\	PART\	MISS
1953	WSW 42\WSW 41\	SW 34\	PART\	PART\SSW 23\	W 33\WNW 63\WNW 32\	N 33\	PART\	PART\	MISS
1954	MISS\	MISS\	MISS\	S 34\	W 34\WNW 30\	PART\	PART\	MISS\	MISS\	W 36\	NW 39\	MISS
1955	NNW 40\	W 54\WNW 61\WNW 50\	PART\NNE 34\WNW 36\	E 47\	E 45\	N 39\NNW 48\	N 41\	PART
1956	N 51\	W 52\	W 52\NNE 58\NNW 46\WNW 36\	W 55\NNW 44\ENE 50\NNE 44\	NW 42\	NW 39\	NNE 58
1957	W 54\	N 40\WNW 47\NNW 50\WSW 40\	N 40\	E 54\ENE 52\WSW 49\NNE 53\NNE 39\NNW 44\	W 54
1958	NNW 40\	NW 44\	W 49\	PART\NNW 52\WNW 52\	SW 40\WSW 38\NNE 51\NNE 40\	E 34\ENE 36\	PART
1959	SW 46\WSW 43\WSW 48\	NE 34\SSW 26\NNW 30\WSW 38\NNE 50\	E 26\	S 27\	N 34\	N 33\	NNE 50
1960	NNE 40\WSW 48\	SE 38\NNW 35\NNW 42\WNW 33\ESE 39\	NW 32\WNW 78\	N 33\NNE 31\	NW 43\	WNW 78
1961	NNW 40\	SW 42\	E 31\	NW 36\WNW 36\	PART\NNW 47\	PART\	PART\	PART\	PART\	PART\	PART\	MISS
1962	SSW 39\NNW 36\	PART\	PART\NNW 40\	NE 31\NNW 41\	PART\NNE 30\NNE 28\	NE 44\NNW 46\	PART
1963	NNW 39\	N 39\SSW 39\WNW 35\	N 44\	NE 35\	NE 30\	NW 41\NNE 31\	NW 41\	E 36\	NW 37\	N 44
1964	W 54\WSW 40\SSW 40\WSW 37\	NE 28\	NW 52\NNW 27\ENE 30\	NE 42\ENE 43\NNW 35\	PART\	MISS
1965	WNW 38\SSW 43\SSW 34\	W 33\WSW 37\	N 31\	NW 23\	N 44\	NE 23\	SE 36\	SW 33\NNW 34\	N 44
1966	N 40\	SW 53\	W 38\	W 34\	N 40\NNW 34\NNE 30\	SW 26\	SW 39\	NW 32\SSW 39\ENE 44\	SW 53
1967	W 34\	N 38\WNW 46\	NW 36\	SW 39\	NW 28\	NW 41\WSW 43\	N 41\	SW 39\	PART\	PART\	MISS
1968	PART\	N 34\	SW 35\	N 34\ENE 39\	NW 38\	NW 31\WSW 38\	E 32\	PART\	NE 43\	SW 41\	PART
1969	ENE 36\	NW 38\NNE 45\	NW 36\	PART\	PART\	PART\	N 32\	NE 27\	PART\ENE 36\	NW 36\	PART
1970	NW 35\	N 38\	NW 30\SSW 42\	N 24\WNW 35\	SW 27\	NW 29\	N 29\NNW 26\WSW 33\WNW 39\	SSW 42
1971	WSW 39\NNW 37\UNK 41\UNK 50\UNK 34\ESE 27\UNK 37\UNK 33\UNK 36\UNK 33\UNK 27\UNK 38\	UNK 50
1972	ESE 29\UNK 35\	PART\ESE 36\UNK 30\UNK 37\UNK 24\	NE 27\UNK 35\UNK 33\UNK 33\UNK 37\	PART
1973	UNK 36\UNK 39\UNK 39\UNK 31\UNK 34\	N 24\UNK 20\UNK 44\ENE 25\UNK 27\UNK 34\UNK 37\	UNK 44
1974	NE 26\UNK 36\UNK 34\UNK 48\UNK 34\UNK 39\UNK 29\UNK 36\UNK 23\	E 28\UNK 32\NNE 36\	UNK 48
1975	UNK 37\UNK 33\UNK 38\UNK 51\UNK 31\UNK 27\UNK 29\NNW 20\ESE 23\ESE 30\UNK 35\UNK 28\	UNK 51
1976	E 31\UNK 36\UNK 42\UNK 31\UNK 31\	PART\	PART\UNK 36\NNE 23\UNK 37\UNK 30\UNK 28\	PART
1977	UNK 32\UNK 30\UNK 37\UNK 33\UNK 30\UNK 53\UNK 37\UNK 24\UNK 25\ENE 31\	E 28\UNK 31\	UNK 53
1978	NNW 42\ENE 29\UNK 33\UNK 37\	PART\UNK 34\	NE 23\UNK 28\UNK 21\UNK 23\UNK 24\ESE 31\	PART
1979	NE 32\UNK 34\UNK 28\UNK 29\UNK 27\ESE 23\UNK 24\	PART\UNK 29\	E 26\	PART\	E 26\	PART
1980	E 26\ESE 28\UNK 48\UNK 29\ESE 21\ESE 28\ENE 36\UNK 46\UNK 22\UNK 38\ENE 29\ESE 32\	UNK 48
1981	ESE 29\UNK 34\ENE 33\UNK 31\UNK 24\UNK 29\UNK 27\UNK 30\UNK 19\UNK 28\UNK 31\UNK 27\	UNK 34
1982	UNK 27\UNK 29\UNK 28\UNK 43\UNK 28\UNK 48\	PART\UNK 40\NNE 27\UNK 50\ESE 36\UNK 36\	PART
1983	UNK 36\UNK 40\UNK 38\NNE 42\UNK 33\UNK 25\ENE 37\UNK 30\	MISS\	MISS\	E 39\UNK 41\	PART
1984	UNK 33\UNK 39\UNK 34\UNK 31\UNK 38\	E 39\UNK 28\UNK 21\UNK 27\ESE 30\UNK 26\UNK 21\	UNK 39
1985	PART\UNK 34\UNK 28\UNK 31\UNK 26\	PART\	PART\UNK 21\UNK 44\	MISS\	MISS\	PART\	MISS
1986	PART\UNK 35\UNK 38\UNK 33\UNK 31\	NE 32\ESE 42\UNK 43\UNK 30\UNK 28\ESE 33\ENE 36\	PART
1987	UNK 44\UNK 38\UNK 40\UNK 35\UNK 30\UNK 33\	E 42\UNK 27\UNK 24\UNK 36\ESE 34\UNK 38\	UNK 44
MEAN	37.7	38.5	39.1	37.7	33.9	34.5	34.3	35.8	33.3	34.3	34.6	35.8	49.1
S.D.	7.159	6.280	7.500	7.389	6.987	8.171	8.684	10.100	12.097	7.211	5.340	5.879	9.556
TOT OBS	32	35	33	33	32	32	31	32	33	30	31	30	17

DAILY PEAK GUST (KNOTS)
(FROM DAILY OBS)

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 —

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949	SW 35	SW 36				E 21							PEAK GUST
	20	18				25							# DAYS
1951												SW 43	PEAK GUST
												30	# DAYS
1952												NW 30	PEAK GUST
												30	# DAYS
1953				W 41	NW 47						NNW 49	SW 44	PEAK GUST
				28	30						27	26	# DAYS
1954						WSW 34	W 64						PEAK GUST
						30	27						# DAYS
1955				SSW 36									PEAK GUST
				29									# DAYS
1958				NE 40									PEAK GUST
				28									# DAYS
1961					WSW 26		WNW 30	NW 33	WNW 39	NW 33	N 28		PEAK GUST
					26		21	22	22	21	22		# DAYS
1962			N 43	WSW 46			SSE 29						PEAK GUST
			27	27			30						# DAYS
1964											NNW 37		PEAK GUST
											30		# DAYS
1967										N 32	NW 34		PEAK GUST
										29	30		# DAYS
1968	E 33								N 33				PEAK GUST
	30								30				# DAYS
1969				NNE 35	SW 26	NE 28			N 27				PEAK GUST
				29	28	29			30				# DAYS
1972		UNK 30											PEAK GUST
		29											# DAYS
1976					UNK 30	UNK 43							PEAK GUST
					29	30							# DAYS
1978				UNK 32									PEAK GUST
				30									# DAYS
1979							UNK 32			UNK 31			PEAK GUST
							28			29			# DAYS

30

DAYS

1985	UNK	31	\	\	\	\	UNK	31	\	NE	38	\	\	\	\	UNK	49	\	PEAK GUST
		30						29			30						30		# DAYS

27 - EXTREME VALUES

DAILY PEAK GUST (KNOTS)

(FROM DAILY OBS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 PAGE : 1

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
						(CONTINUED)							
1986	UNK 28\ 30	\	\	\	\	\	\	\	\	\	\	\	PEAK GUST # DAYS

29 - DAILY AVERAGE/EXTREME TEMPERATURES

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH :JAN

	MEAN TEMPERATURE		MAXIMUM TEMPERATURE					MINIMUM TEMPERATURE				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DEG C	DEG F	DEG C	DATE
1	44.4	6.9	52.1	11.2	76.0	24.4	1985.	36.6	2.6	17.0	-8.3	1977.
2	41.6	5.3	49.9	9.9	78.0	25.6	1985.	33.3	.7	21.0	-6.1	1977.
3	41.3	5.2	49.6	9.8	70.0	21.1	1966.	33.0	.5	18.0	-7.8	1979.
4	40.8	4.9	48.1	8.9	70.0	21.1	1982.	33.4	.8	15.0	-9.4	1979.
5	39.0	3.9	46.5	8.1	69.0	20.6	1949.	31.5	-.3	17.0	-8.3	1981.+
6	40.3	4.6	48.4	9.1	72.0	22.2	1946.	32.2	.1	14.0	-10.0	1959.
7	41.2	5.1	49.4	9.6	70.0	21.1	1982.	33.0	.6	21.0	-6.1	1959.
8	37.8	3.2	45.1	7.3	65.0	18.3	1965.	30.5	-.8	12.0	-11.1	1970.
9	38.7	3.7	46.9	8.3	71.0	21.7	1965.	30.4	-.9	10.0	-12.2	1970.
10	39.5	4.2	48.3	9.0	70.0	21.1	1957.	30.7	-.7	8.0	-13.3	1982.
11	37.7	3.2	44.5	7.0	75.0	23.9	1974.	30.9	-.6	8.0	-13.3	1982.
12	36.0	2.2	43.5	6.4	68.0	20.0	1963.	28.5	-2.0	12.0	-11.1	1978.
13	39.3	4.1	48.5	9.2	71.0	21.7	1960.	30.2	-1.0	10.0	-12.2	1981.
14	40.1	4.5	48.4	9.1	70.0	21.1	1952.	31.7	-.1	9.0	-12.8	1962.
15	40.1	4.5	47.2	8.5	71.0	21.7	1952.	33.0	.6	19.0	-7.2	1982.
16	38.0	3.4	46.6	8.1	75.0	23.9	1953.	29.5	-1.4	7.0	-13.9	1977.
17	37.2	2.9	45.7	7.6	74.0	23.3	1949.	28.7	-1.9	2.0	-16.7	1977.
18	38.1	3.4	46.1	7.8	66.0	18.9	1969.+	30.2	-1.0	11.0	-11.7	1977.
19	39.7	4.3	47.6	8.7	72.0	22.2	1949.	31.9	-.1	11.0	-11.7	1977.
20	39.8	4.3	48.6	9.2	72.0	22.2	1947.	30.9	-.6	4.0	-15.6	1985.
21	39.9	4.4	47.7	8.7	71.0	21.7	1959.	32.0	.0	-3.0	-19.4	1985.
22	40.4	4.7	48.4	9.1	70.0	21.1	1959.+	32.4	.2	10.0	-12.2	1985.
23	41.2	5.1	50.9	10.5	75.0	23.9	1974.	31.4	-.3	13.0	-10.6	1985.
24	41.1	5.1	49.9	10.0	74.0	23.3	1949.	32.4	.2	17.0	-8.3	1987.
25	42.6	5.9	50.7	10.4	73.0	22.8	1967.	34.5	1.4	16.0	-8.9	1963.
26	43.1	6.1	51.9	11.1	71.0	21.7	1967.+	34.2	1.2	15.0	-9.4	1961.
27	42.5	5.8	50.6	10.3	76.0	24.4	1952.	34.5	1.4	15.0	-9.4	1961.
28	39.1	4.0	47.2	8.5	73.0	22.8	1974.	31.0	-.5	15.0	-9.4	1987.+
29	39.1	3.9	47.9	8.9	76.0	24.4	1957.	30.2	-1.0	14.0	-10.0	1977.
30	40.0	4.5	48.6	9.2	75.0	23.9	1947.	31.4	-.3	13.0	-10.6	1966.
31	37.8	3.2	45.4	7.4	71.0	21.7	1982.	30.3	-.9	12.0	-11.1	1966.
MONTH	39.9	4.4	48.1	8.9	78.0	25.6	1985.	31.8	-.1	-3.0	-19.4	1985.

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH :FEB

	MEAN TEMPERATURE		MAXIMUM TEMPERATURE					MINIMUM TEMPERATURE				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DEG C	DEG F	DEG C	DATE
1	39.6	4.2	48.1	8.9	69.0	20.6	1967.	31.2	-.5	10.0	-12.2	1965.
2	40.6	4.8	47.9	8.9	70.0	21.1	1986.	33.2	.7	15.0	-9.4	1961.
3	39.8	4.3	48.5	9.2	75.0	23.9	1982.	31.0	-.5	18.0	-7.8	1980.
4	39.8	4.3	47.4	8.5	70.0	21.1	1957.	32.2	.1	12.0	-11.1	1978.
5	39.0	3.9	46.9	8.3	74.0	23.3	1986.	31.1	-.5	13.0	-10.6	1947.
6	40.6	4.8	49.3	9.6	64.0	17.8	1964.	31.8	-.1	17.0	-8.3	1978.
7	40.2	4.6	47.6	8.7	63.0	17.2	1955.	32.9	.5	15.0	-9.4	1978.
8	38.0	3.3	46.2	7.9	68.0	20.0	1965.	29.9	-1.2	18.0	-7.8	1978.
9	38.5	3.6	46.4	8.0	68.0	20.0	1949.	30.7	-.7	14.0	-10.0	1977.
10	39.3	4.1	48.1	8.9	74.0	23.3	1959.	30.6	-.8	15.0	-9.4	1979.
11	41.5	5.3	51.7	10.9	71.0	21.7	1977.	31.3	-.4	11.0	-11.7	1980.
12	39.2	4.0	47.8	8.8	77.0	25.0	1965.	30.6	-.8	15.0	-9.4	1980.
13	39.1	4.0	47.2	8.5	71.0	21.7	1984.	31.0	-.5	13.0	-10.6	1980.
14	41.6	5.3	51.2	10.6	76.0	24.4	1949.	31.9	.0	16.0	-8.9	1986.+
15	43.2	6.2	51.9	11.1	80.0	26.7	1949.	34.6	1.4	23.0	-5.0	1978.
16	42.8	6.0	51.2	10.7	77.0	25.0	1954.	34.3	1.3	19.0	-7.2	1963.
17	41.9	5.5	49.6	9.8	79.0	26.1	1976.	34.1	1.2	7.0	-13.9	1958.
18	42.8	6.0	51.8	11.0	79.0	26.1	1976.	33.9	1.0	12.0	-11.1	1958.
19	44.0	6.7	53.3	11.8	77.0	25.0	1961.	34.7	1.5	16.0	-8.9	1958.
20	41.5	5.3	49.5	9.7	67.0	19.4	1971.	33.5	.8	18.0	-7.8	1978.
21	41.6	5.3	50.4	10.2	77.0	25.0	1953.	32.7	.4	15.0	-9.4	1947.
22	43.8	6.5	52.5	11.4	74.0	23.3	1980.	35.1	1.7	17.0	-8.3	1963.
23	44.4	6.9	52.8	11.5	77.0	25.0	1975.	36.0	2.2	14.0	-10.0	1963.
24	45.3	7.4	54.7	12.6	80.0	26.7	1985.	36.0	2.2	15.0	-9.4	1947.
25	45.1	7.3	53.9	12.2	75.0	23.9	1977.	36.3	2.4	14.0	-10.0	1967.
26	44.0	6.7	51.8	11.0	79.0	26.1	1977.	36.2	2.3	17.0	-8.3	1967.
27	43.5	6.4	51.8	11.0	81.0	27.2	1977.	35.2	1.8	16.0	-8.9	1967.
28	45.5	7.5	55.6	13.1	80.0	26.7	1962.	35.4	1.9	18.0	-7.8	1978.
MONTH	41.6	5.4	50.2	10.1	81.0	27.2	1977.	33.1	.6	7.0	-13.9	1958.

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH :MAR

	MEAN TEMPERATURE		MAXIMUM TEMPERATURE					MINIMUM TEMPERATURE				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DEG C	DEG F	DEG C	DATE
1	44.1	6.7	51.8	11.0	79.0	26.1	1976.	36.3	2.4	20.0	-6.7	1980.
2	45.6	7.6	53.9	12.2	77.0	25.0	1974.	37.3	3.0	20.0	-6.7	1980.
3	46.4	8.0	55.4	13.0	78.0	25.6	1974.	37.4	3.0	20.0	-6.7	1980.
4	46.9	8.3	55.7	13.2	82.0	27.8	1974.	38.1	3.4	17.0	-8.3	1947.
5	49.5	9.7	58.7	14.8	83.0	28.3	1976.+	40.4	4.7	20.0	-6.7	1978.
6	47.7	8.7	56.7	13.7	82.0	27.8	1967.	38.8	3.8	23.0	-5.0	1960.
7	46.3	7.9	55.1	12.8	85.0	29.4	1974.	37.5	3.0	23.0	-5.0	1960.
8	45.5	7.5	54.0	12.2	77.0	25.0	1956.	37.1	2.8	21.0	-6.1	1986.
9	45.1	7.3	53.2	11.8	80.0	26.7	1964.	36.9	2.7	24.0	-4.4	1975.
10	46.1	7.8	54.6	12.5	79.0	26.1	1964.	37.5	3.1	24.0	-4.4	1960.
11	47.3	8.5	56.4	13.6	82.0	27.8	1986.	38.2	3.4	22.0	-5.6	1960.
12	48.8	9.4	57.3	14.0	80.0	26.7	1973.	40.4	4.7	24.0	-4.4	1960.
13	50.4	10.2	59.7	15.4	81.0	27.2	1982.	41.2	5.1	25.0	-3.9	1960.
14	50.3	10.2	59.8	15.4	82.0	27.8	1973.	40.8	4.9	28.0	-2.2	1981.+
15	49.3	9.6	58.6	14.8	84.0	28.9	1973.	40.0	4.4	26.0	-3.3	1981.
16	49.1	9.5	58.4	14.7	85.0	29.4	1945.	39.9	4.4	26.0	-3.3	1969.+
17	47.9	8.8	55.9	13.3	90.0	32.2	1945.	39.9	4.4	26.0	-3.3	1970.
18	46.2	7.9	54.2	12.3	73.0	22.8	1977.	38.2	3.5	25.0	-3.9	1976.
19	48.7	9.3	57.3	14.1	87.0	30.6	1945.	40.1	4.5	26.0	-3.3	1967.
20	48.1	8.9	56.1	13.4	84.0	28.9	1945.	40.0	4.4	26.0	-3.3	1967.
21	50.6	10.4	59.6	15.3	85.0	29.4	1968.+	41.7	5.4	28.0	-2.2	1965.
22	49.6	9.8	58.3	14.6	88.0	31.1	1948.	40.8	4.9	27.0	-2.8	1986.
23	48.7	9.3	57.9	14.4	82.0	27.8	1966.	39.6	4.2	24.0	-4.4	1986.
24	50.2	10.1	59.9	15.5	81.0	27.2	1975.	40.5	4.7	32.0	.0	1987.+
25	49.2	9.5	57.8	14.3	85.0	29.4	1954.	40.5	4.7	29.0	-1.7	1974.
26	50.4	10.2	59.4	15.2	76.0	24.4	1955.+	41.5	5.3	30.0	-1.1	1960.
27	49.3	9.6	58.7	14.8	80.0	26.7	1945.	40.0	4.4	24.0	-4.4	1955.
28	50.5	10.3	59.4	15.2	84.0	28.9	1985.+	41.6	5.3	28.0	-2.2	1982.
29	54.0	12.2	64.4	18.0	87.0	30.6	1985.	43.7	6.5	24.0	-4.4	1982.
30	53.9	12.2	62.6	17.0	86.0	30.0	1985.	45.2	7.4	28.0	-2.2	1964.
31	52.6	11.5	61.1	16.1	85.0	29.4	1977.	44.2	6.8	28.0	-2.2	1964.
MONTH	48.7	9.3	57.5	14.1	90.0	32.2	1945.	39.9	4.4	17.0	-8.3	1947.

NOTES :
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THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH :APR

	MEAN TEMPERATURE		MAXIMUM TEMPERATURE					MINIMUM TEMPERATURE				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DEG C	DEG F	DEG C	DATE
1	54.1	12.3	64.2	17.9	84.0	28.9	1966.	44.0	6.7	30.0	-1.1	1964.
2	57.2	14.0	68.3	20.2	88.0	31.1	1967.	46.1	7.8	28.0	-2.2	1964.
3	55.8	13.2	65.4	18.6	88.0	31.1	1967.+	46.2	7.9	34.0	1.1	1961.
4	56.2	13.4	65.8	18.8	85.0	29.4	1974.	46.6	8.1	30.0	-1.1	1965.
5	54.9	12.7	64.4	18.0	82.0	27.8	1985.	45.4	7.4	31.0	-.6	1964.
6	54.2	12.3	62.6	17.0	85.0	29.4	1967.	45.7	7.6	33.0	.6	1975.
7	54.0	12.2	63.1	17.3	84.0	28.9	1967.	44.9	7.2	30.0	-1.1	1982.
8	55.5	13.1	64.9	18.3	87.0	30.6	1959.+	46.2	7.9	34.0	1.1	1972.
9	54.2	12.3	62.9	17.2	86.0	30.0	1959.	45.4	7.5	34.0	1.1	1985.
10	53.4	11.9	62.5	17.0	85.0	29.4	1959.	44.3	6.8	31.0	-.6	1977.
11	54.8	12.7	64.7	18.2	86.0	30.0	1947.	44.9	7.2	33.0	.6	1984.
12	56.4	13.5	66.1	18.9	87.0	30.6	1981.+	46.7	8.2	30.0	-1.1	1973.
13	55.9	13.3	65.0	18.3	84.0	28.9	1948.	46.9	8.3	33.0	.6	1975.+
14	57.2	14.0	66.1	18.9	86.0	30.0	1960.+	48.3	9.0	33.0	.6	1957.
15	57.1	13.9	66.0	18.9	86.0	30.0	1960.	48.2	9.0	32.0	.0	1973.
16	57.1	13.9	66.1	18.9	89.0	31.7	1976.	48.1	8.9	35.0	1.7	1957.
17	57.4	14.1	66.6	19.2	87.0	30.6	1976.	48.2	9.0	38.0	3.3	1986.+
18	59.4	15.2	69.9	21.1	86.0	30.0	1964.	49.0	9.4	35.0	1.7	1983.
19	60.3	15.7	70.6	21.5	90.0	32.2	1985.	49.9	10.0	35.0	1.7	1983.
20	59.1	15.1	69.3	20.7	91.0	32.8	1985.	48.9	9.4	35.0	1.7	1983.
21	59.2	15.1	69.6	20.9	94.0	34.4	1957.	48.8	9.3	35.0	1.7	1983.+
22	60.6	15.9	70.4	21.3	93.0	33.9	1985.	50.8	10.4	33.0	.6	1981.
23	62.3	16.8	71.7	22.1	90.0	32.2	1960.	52.8	11.6	40.0	4.4	1986.
24	62.0	16.7	71.5	22.0	90.0	32.2	1955.	52.4	11.4	32.0	.0	1985.
25	61.4	16.3	70.5	21.4	90.0	32.2	1960.	52.2	11.2	40.0	4.4	1956.
26	60.5	15.8	69.6	20.9	95.0	35.0	1960.	51.3	10.7	41.0	5.0	1967.
27	60.8	16.0	69.8	21.0	88.0	31.1	1985.	51.8	11.0	42.0	5.6	1972.
28	59.3	15.2	67.8	19.9	88.0	31.1	1957.	50.8	10.4	38.0	3.3	1947.
29	59.0	15.0	67.5	19.7	89.0	31.7	1981.+	50.6	10.3	38.0	3.3	1947.
30	60.8	16.0	70.5	21.4	86.0	30.0	1974.	51.2	10.6	39.0	3.9	1982.+
MONTH	57.7	14.3	67.1	19.5	95.0	35.0	1960.	48.2	9.0	28.0	-2.2	1964.

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+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH :MAY

	MEAN TEMPERATURE		MAXIMUM TEMPERATURE					MINIMUM TEMPERATURE				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DEG C	DEG F	DEG C	DATE
1	62.3	16.8	71.3	21.9	91.0	32.8	1986.	53.2	11.8	42.0	5.6	1978.
2	62.2	16.8	71.3	21.8	88.0	31.1	1952.	53.1	11.7	40.0	4.4	1978.
3	62.5	16.9	72.1	22.3	90.0	32.2	1965.	52.8	11.6	40.0	4.4	1963.
4	61.5	16.4	70.3	21.3	86.0	30.0	1965.+	52.7	11.5	41.0	5.0	1986.
5	60.9	16.1	70.2	21.2	88.0	31.1	1955.	51.6	10.9	41.0	5.0	1966.
6	62.3	16.8	72.2	22.3	90.0	32.2	1986.	52.3	11.3	43.0	6.1	1973.+
7	63.6	17.5	73.0	22.8	92.0	33.3	1986.	54.2	12.3	42.0	5.6	1964.
8	64.1	17.8	73.8	23.2	89.0	31.7	1964.	54.3	12.4	41.0	5.0	1956.
9	62.7	17.0	71.8	22.1	92.0	33.3	1963.	53.6	12.0	35.0	1.7	1956.
10	64.3	17.9	73.9	23.3	93.0	33.9	1963.	54.6	12.6	40.0	4.4	1980.
11	65.4	18.6	75.0	23.9	88.0	31.1	1965.	55.9	13.3	38.0	3.3	1966.
12	66.2	19.0	75.6	24.2	90.0	32.2	1980.	56.8	13.8	46.0	7.8	1983.+
13	65.8	18.8	74.4	23.5	91.0	32.8	1956.	57.3	14.1	42.0	5.6	1963.
14	66.3	19.0	74.6	23.6	95.0	35.0	1956.	58.0	14.4	47.0	8.3	1952.
15	65.3	18.5	73.6	23.1	90.0	32.2	1967.	57.1	13.9	43.0	6.1	1965.
16	65.5	18.6	74.6	23.7	92.0	33.3	1945.	56.3	13.5	46.0	7.8	1955.
17	66.0	18.9	75.3	24.1	93.0	33.9	1974.	56.6	13.7	45.0	7.2	1980.
18	66.7	19.3	76.0	24.4	91.0	32.8	1987.	57.5	14.2	43.0	6.1	1983.
19	67.8	19.9	76.4	24.7	90.0	32.2	1984.	59.2	15.1	47.0	8.3	1976.
20	67.9	19.9	75.6	24.2	91.0	32.8	1984.	60.1	15.6	49.0	9.4	1956.
21	67.3	19.6	75.1	23.9	88.0	31.1	1984.	59.6	15.3	44.0	6.7	1956.
22	67.8	19.9	76.5	24.7	90.0	32.2	1984.	59.2	15.1	44.0	6.7	1981.
23	69.7	21.0	78.1	25.6	90.0	32.2	1953.	61.4	16.3	50.0	10.0	1971.+
24	68.5	20.3	76.1	24.5	90.0	32.2	1964.+	60.8	16.0	47.0	8.3	1963.
25	67.5	19.7	75.3	24.1	92.0	33.3	1981.	59.6	15.4	45.0	7.2	1956.
26	67.5	19.7	75.0	23.9	94.0	34.4	1953.	60.0	15.5	45.0	7.2	1967.
27	66.9	19.4	74.4	23.6	90.0	32.2	1965.	59.3	15.2	46.0	7.8	1961.
28	68.1	20.0	76.6	24.8	91.0	32.8	1973.	59.5	15.3	44.0	6.7	1961.
29	70.3	21.3	78.8	26.0	91.0	32.8	1987.+	61.8	16.6	51.0	10.6	1956.
30	69.4	20.8	77.1	25.1	93.0	33.9	1987.	61.7	16.5	51.0	10.6	1956.
31	70.1	21.2	77.9	25.5	93.0	33.9	1982.	62.3	16.8	50.0	10.0	1967.
MONTH	65.9	18.8	74.6	23.7	95.0	35.0	1956.	57.2	14.0	35.0	1.7	1956.

NOTES :
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+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUN

	MEAN TEMPERATURE		MAXIMUM TEMPERATURE					MINIMUM TEMPERATURE				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DEG C	DEG F	DEG C	DATE
1	70.2	21.2	78.5	25.9	90.0	32.2	1986.	61.9	16.6	48.0	8.9	1967.
2	71.1	21.7	80.1	26.7	92.0	33.3	1986.+	62.1	16.7	45.0	7.2	1967.
3	69.7	20.9	77.9	25.5	95.0	35.0	1980.	61.4	16.3	48.0	8.9	1967.
4	69.5	20.8	77.2	25.1	92.0	33.3	1973.	61.8	16.6	52.0	11.1	1965.
5	70.6	21.4	79.1	26.2	93.0	33.9	1975.	62.1	16.7	46.0	7.8	1965.
6	72.0	22.2	81.0	27.2	93.0	33.9	1952.	62.9	17.2	47.0	8.3	1945.
7	72.8	22.7	81.3	27.4	95.0	35.0	1971.+	64.4	18.0	50.0	10.0	1945.
8	72.4	22.5	80.4	26.9	95.0	35.0	1986.	64.5	18.1	53.0	11.7	1977.
9	72.7	22.6	80.9	27.2	97.0	36.1	1952.	64.6	18.1	52.0	11.1	1949.
10	73.4	23.0	81.6	27.6	102.0	38.9	1964.	65.2	18.4	56.0	13.3	1986.
11	72.8	22.7	81.9	27.7	98.0	36.7	1947.	63.6	17.6	52.0	11.1	1978.
12	73.8	23.2	82.9	28.3	98.0	36.7	1986.+	64.6	18.1	52.0	11.1	1978.
13	74.2	23.5	82.9	28.3	95.0	35.0	1945.	65.5	18.6	52.0	11.1	1980.+
14	73.2	22.9	81.2	27.3	98.0	36.7	1945.	65.2	18.4	49.0	9.4	1985.
15	73.5	23.1	82.0	27.8	96.0	35.6	1980.+	65.0	18.3	51.0	10.6	1979.+
16	74.1	23.4	82.1	27.8	100.0	37.8	1945.	66.0	18.9	56.0	13.3	1978.+
17	73.3	23.0	81.0	27.2	100.0	37.8	1945.	65.6	18.7	52.0	11.1	1961.
18	73.3	23.0	81.3	27.4	95.0	35.0	1945.	65.4	18.6	51.0	10.6	1961.
19	73.4	23.0	81.1	27.3	95.0	35.0	1952.	65.8	18.8	51.0	10.6	1961.
20	74.6	23.7	82.5	28.1	94.0	34.4	1964.	66.7	19.3	54.0	12.2	1954.
21	74.8	23.8	83.5	28.6	97.0	36.1	1949.	66.0	18.9	56.0	13.3	1980.+
22	75.4	24.1	83.2	28.5	98.0	36.7	1981.	67.5	19.7	57.0	13.9	1986.
23	76.0	24.4	84.4	29.1	96.0	35.6	1979.	67.5	19.7	55.0	12.8	1963.
24	75.9	24.4	84.6	29.2	97.0	36.1	1960.	67.2	19.6	54.0	12.2	1963.
25	76.0	24.4	84.2	29.0	102.0	38.9	1952.	67.7	19.8	59.0	15.0	1987.+
26	75.6	24.2	83.2	28.5	102.0	38.9	1952.+	67.9	20.0	56.0	13.3	1986.
27	76.4	24.7	84.9	29.4	104.0	40.0	1949.	67.9	20.0	56.0	13.3	1985.
28	75.9	24.4	84.0	28.9	100.0	37.8	1986.	67.9	19.9	57.0	13.9	1985.
29	76.5	24.7	85.3	29.6	99.0	37.2	1980.	67.8	19.9	57.0	13.9	1981.+
30	77.6	25.3	86.1	30.1	104.0	40.0	1945.	69.0	20.6	60.0	15.6	1981.
MONTH	73.7	23.2	82.0	27.8	104.0	40.0	1949.+	65.4	18.5	45.0	7.2	1967.

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THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : JUL

	MEAN TEMPERATURE		MAXIMUM TEMPERATURE					MINIMUM TEMPERATURE				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DEG C	DEG F	DEG C	DATE
1	77.2	25.1	85.3	29.6	99.0	37.2	1977.	69.1	20.6	60.0	15.6	1982.
2	77.6	25.3	86.4	30.2	97.0	36.1	1953.	68.8	20.5	55.0	12.8	1965.
3	78.3	25.7	87.0	30.5	103.0	39.4	1954.	69.7	20.9	60.0	15.6	1962.+
4	77.1	25.0	85.1	29.5	98.0	36.7	1985.	69.0	20.6	59.0	15.0	1963.
5	76.9	24.9	84.8	29.3	96.0	35.6	1957.	69.0	20.6	59.0	15.0	1963.
6	76.3	24.6	84.1	28.9	96.0	35.6	1948.	68.6	20.3	57.0	13.9	1978.
7	76.3	24.6	84.3	29.1	98.0	36.7	1986.	68.3	20.2	54.0	12.2	1979.
8	76.6	24.8	84.7	29.3	97.0	36.1	1986.	68.4	20.2	59.0	15.0	1972.
9	77.6	25.4	86.0	30.0	99.0	37.2	1986.	69.3	20.7	58.0	14.4	1984.
10	77.0	25.0	84.5	29.2	96.0	35.6	1981.	69.4	20.8	60.0	15.6	1963.
11	76.3	24.6	83.5	28.6	96.0	35.6	1984.	69.1	20.6	60.0	15.6	1983.+
12	76.7	24.8	84.1	28.9	98.0	36.7	1986.	69.3	20.7	58.0	14.4	1978.+
13	77.7	25.4	85.8	29.9	99.0	37.2	1986.	69.5	20.8	54.0	12.2	1978.
14	79.2	26.2	86.8	30.4	97.0	36.1	1966.	71.6	22.0	62.0	16.7	1980.+
15	78.5	25.8	85.8	29.9	96.0	35.6	1974.	71.1	21.7	62.0	16.7	1980.
16	78.3	25.7	85.5	29.7	97.0	36.1	1983.	71.1	21.7	62.0	16.7	1960.
17	78.0	25.5	85.5	29.7	98.0	36.7	1983.	70.4	21.4	61.0	16.1	1987.+
18	78.3	25.7	86.5	30.3	98.0	36.7	1986.	70.1	21.1	56.0	13.3	1954.
19	79.4	26.3	87.9	31.1	97.0	36.1	1952.	70.9	21.6	63.0	17.2	1957.
20	79.5	26.4	87.4	30.8	97.0	36.1	1987.+	71.7	22.0	61.0	16.1	1976.
21	79.5	26.4	87.8	31.0	99.0	37.2	1952.	71.3	21.8	61.0	16.1	1974.
22	78.4	25.8	86.2	30.1	99.0	37.2	1957.+	70.5	21.4	59.0	15.0	1965.
23	78.9	26.0	86.7	30.4	102.0	38.9	1952.	71.1	21.7	60.0	15.6	1974.
24	78.6	25.9	86.3	30.2	93.0	33.9	1976.+	70.8	21.5	58.0	14.4	1977.
25	78.0	25.5	85.3	29.6	95.0	35.0	1987.	70.6	21.4	63.0	17.2	1947.
26	77.7	25.4	85.1	29.5	98.0	36.7	1987.	70.4	21.3	63.0	17.2	1976.
27	78.7	26.0	86.4	30.2	96.0	35.6	1982.	71.0	21.7	62.0	16.7	1962.
28	78.6	25.9	86.1	30.0	97.0	36.1	1952.	71.2	21.8	58.0	14.4	1962.
29	78.7	25.9	86.2	30.1	96.0	35.6	1986.+	71.2	21.8	63.0	17.2	1977.+
30	78.3	25.7	85.5	29.7	96.0	35.6	1953.	71.1	21.7	62.0	16.7	1956.
31	78.5	25.8	86.5	30.3	95.0	35.0	1983.+	70.4	21.3	60.0	15.6	1956.
MONTH	77.9	25.5	85.8	29.9	103.0	39.4	1954.	70.1	21.2	54.0	12.2	1979.+

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

G13769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH :AUG

	MEAN TEMPERATURE		MAXIMUM TEMPERATURE					MINIMUM TEMPERATURE				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DEG C	DEG F	DEG C	DATE
1	79.1	26.1	86.6	30.4	104.0	40.0	1980.	71.5	21.9	63.0	17.2	1966.
2	78.6	25.9	86.1	30.1	96.0	35.6	1980.	71.1	21.7	64.0	17.8	1981.+
3	78.8	26.0	86.4	30.2	100.0	37.8	1980.	71.1	21.7	60.0	15.6	1959.
4	78.2	25.6	85.4	29.7	98.0	36.7	1980.	70.9	21.6	58.0	14.4	1985.
5	78.2	25.7	85.8	29.9	97.0	36.1	1981.+	70.6	21.5	58.0	14.4	1976.
6	77.2	25.1	84.9	29.4	97.0	36.1	1977.	69.5	20.8	59.0	15.0	1964.+
7	77.6	25.3	85.2	29.5	99.0	37.2	1977.	70.1	21.2	60.0	15.6	1957.
8	78.6	25.9	86.6	30.3	97.0	36.1	1979.	70.6	21.5	60.0	15.6	1957.
9	78.9	26.1	86.8	30.4	99.0	37.2	1980.	71.1	21.7	64.0	17.8	1964.
10	78.9	26.0	86.9	30.5	102.0	38.9	1979.	70.8	21.6	62.0	16.7	1964.+
11	77.7	25.4	84.9	29.4	97.0	36.1	1983.	70.4	21.3	61.0	16.1	1968.
12	76.7	24.8	84.4	29.1	97.0	36.1	1977.	69.0	20.6	59.0	15.0	1974.
13	76.4	24.7	84.0	28.9	95.0	35.0	1947.	68.8	20.4	58.0	14.4	1954.
14	77.8	25.4	86.1	30.1	97.0	36.1	1958.	69.5	20.8	57.0	13.9	1964.
15	77.8	25.4	85.5	29.7	95.0	35.0	1980.+	70.1	21.2	56.0	13.3	1964.
16	77.0	25.0	84.4	29.1	94.0	34.4	1975.+	69.5	20.8	58.0	14.4	1983.
17	76.7	24.8	84.1	29.0	95.0	35.0	1987.	69.2	20.7	60.0	15.6	1981.+
18	76.4	24.7	83.7	28.7	92.0	33.3	1987.	69.2	20.7	57.0	13.9	1981.
19	77.0	25.0	84.1	28.9	95.0	35.0	1966.+	69.9	21.1	61.0	16.1	1977.+
20	77.1	25.1	84.7	29.3	99.0	37.2	1983.	69.5	20.9	62.0	16.7	1964.+
21	76.6	24.8	83.9	28.9	94.0	34.4	1962.	69.3	20.7	60.0	15.6	1969.
22	76.6	24.8	83.8	28.8	98.0	36.7	1983.	69.4	20.8	60.0	15.6	1969.
23	76.2	24.6	83.5	28.6	93.0	33.9	1966.	69.0	20.6	60.0	15.6	1969.+
24	75.5	24.2	82.9	28.3	93.0	33.9	1968.	68.1	20.1	57.0	13.9	1985.
25	75.7	24.3	83.6	28.6	95.0	35.0	1968.	67.7	19.9	53.0	11.7	1952.
26	75.7	24.3	83.7	28.7	96.0	35.6	1954.+	67.7	19.8	58.0	14.4	1977.
27	76.5	24.7	85.2	29.6	101.0	38.3	1948.	67.8	19.9	56.0	13.3	1963.
28	76.7	24.8	84.6	29.2	95.0	35.0	1987.+	68.9	20.5	56.0	13.3	1963.
29	76.2	24.5	84.4	29.1	96.0	35.6	1978.	67.9	20.0	52.0	11.1	1982.+
30	76.4	24.7	84.8	29.4	96.0	35.6	1953.	67.9	20.0	50.0	10.0	1982.
31	77.2	25.1	84.8	29.3	95.0	35.0	1953.	69.5	20.8	54.0	12.2	1965.
MONTH	77.2	25.1	84.9	29.4	104.0	40.0	1980.	69.5	20.9	50.0	10.0	1982.

NOTES :
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+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : SEP

	MEAN TEMPERATURE		MAXIMUM TEMPERATURE					MINIMUM TEMPERATURE				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DEG C	DEG F	DEG C	DATE
1	76.1	24.5	83.2	28.4	95.0	35.0	1980.	68.9	20.5	57.0	13.9	1976.
2	75.5	24.2	83.1	28.4	95.0	35.0	1980.	67.9	20.0	55.0	12.8	1948.
3	76.1	24.5	83.7	28.7	95.0	35.0	1984.	68.4	20.2	56.0	13.3	1967.
4	75.6	24.2	82.6	28.1	97.0	36.1	1985.	68.6	20.3	57.0	13.9	1967.
5	75.3	24.0	82.1	27.8	97.0	36.1	1985.	68.4	20.2	59.0	15.0	1967.
6	74.3	23.5	81.7	27.6	96.0	35.6	1985.	66.9	19.4	54.0	12.2	1976.
7	73.9	23.3	81.7	27.6	93.0	33.9	1985.+	66.2	19.0	54.0	12.2	1976.+
8	73.3	23.0	80.0	26.7	96.0	35.6	1985.	66.7	19.3	54.0	12.2	1986.
9	73.8	23.2	81.0	27.2	96.0	35.6	1985.	66.6	19.2	51.0	10.6	1986.
10	74.1	23.4	81.2	27.3	97.0	36.1	1985.	67.0	19.4	54.0	12.2	1956.
11	73.5	23.1	81.6	27.6	93.0	33.9	1965.	65.4	18.6	51.0	10.6	1956.
12	73.2	22.9	81.4	27.4	92.0	33.3	1957.	65.1	18.4	53.0	11.7	1976.
13	71.8	22.1	79.9	26.6	92.0	33.3	1952.	63.7	17.6	54.0	12.2	1977.
14	72.0	22.2	79.8	26.6	92.0	33.3	1945.	64.1	17.9	52.0	11.1	1958.
15	72.1	22.3	80.1	26.7	95.0	35.0	1947.	64.1	17.8	49.0	9.4	1985.
16	71.6	22.0	79.4	26.3	91.0	32.8	1970.+	63.8	17.6	51.0	10.6	1966.
17	71.8	22.1	78.7	26.0	94.0	34.4	1958.	65.0	18.3	50.0	10.0	1966.
18	72.3	22.4	79.6	26.5	91.0	32.8	1970.	64.9	18.3	51.0	10.6	1986.
19	71.3	21.9	78.4	25.8	92.0	33.3	1978.	64.3	18.0	52.0	11.1	1984.
20	71.6	22.0	79.2	26.2	90.0	32.2	1948.	64.1	17.8	50.0	10.0	1959.
21	72.1	22.3	79.9	26.6	92.0	33.3	1945.	64.3	18.0	50.0	10.0	1956.
22	70.4	21.3	77.4	25.2	96.0	35.6	1980.	63.4	17.5	49.0	9.4	1956.
23	69.3	20.7	76.7	24.8	95.0	35.0	1980.	61.9	16.6	51.0	10.6	1976.+
24	69.3	20.7	77.2	25.1	89.0	31.7	1984.	61.5	16.4	48.0	8.9	1967.
25	69.9	21.1	77.3	25.2	92.0	33.3	1986.	62.5	16.9	50.0	10.0	1962.
26	70.6	21.4	78.6	25.9	91.0	32.8	1986.+	62.6	17.0	49.0	9.4	1967.
27	69.7	21.0	77.4	25.2	90.0	32.2	1970.	62.1	16.7	50.0	10.0	1963.
28	68.7	20.4	75.7	24.3	88.0	31.1	1945.	61.8	16.5	50.0	10.0	1980.
29	68.4	20.2	76.1	24.5	92.0	33.3	1973.	60.8	16.0	47.0	8.3	1947.
30	68.1	20.0	75.8	24.3	89.0	31.7	1986.	60.3	15.7	48.0	8.9	1970.+
MONTH	72.2	22.3	79.7	26.5	97.0	36.1	1985.+	64.7	18.2	47.0	8.3	1947.

NOTES :
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+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH :OCT

	MEAN TEMPERATURE		MAXIMUM TEMPERATURE					MINIMUM TEMPERATURE				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DEG C	DEG F	DEG C	DATE
1	67.7	19.8	75.1	24.0	93.0	33.9	1986.	60.2	15.7	42.0	5.6	1946.
2	66.8	19.3	74.9	23.8	89.0	31.7	1986.	58.6	14.8	40.0	4.4	1946.
3	65.4	18.6	73.3	23.0	88.0	31.1	1986.	57.5	14.2	45.0	7.2	1984.+
4	65.2	18.4	73.4	23.0	94.0	34.4	1986.	56.9	13.8	40.0	4.4	1987.+
5	65.2	18.4	74.0	23.3	88.0	31.1	1973.+	56.3	13.5	37.0	2.8	1974.
6	64.4	18.0	73.4	23.0	95.0	35.0	1954.	55.4	13.0	38.0	3.3	1965.
7	64.2	17.9	71.7	22.1	85.0	29.4	1959.	56.6	13.7	44.0	6.7	1980.
8	64.3	18.0	72.2	22.3	84.0	28.9	1962.	56.4	13.6	46.0	7.8	1987.
9	64.7	18.2	72.3	22.4	85.0	29.4	1980.	57.1	13.9	43.0	6.1	1987.+
10	63.1	17.3	70.5	21.4	85.0	29.4	1958.	55.8	13.2	40.0	4.4	1978.
11	62.6	17.0	70.3	21.3	85.0	29.4	1980.	55.0	12.8	38.0	3.3	1964.
12	62.3	16.8	70.2	21.2	85.0	29.4	1962.	54.5	12.5	36.0	2.2	1964.
13	61.9	16.6	70.1	21.1	88.0	31.1	1954.	53.8	12.1	43.0	6.1	1980.+
14	62.9	17.1	71.1	21.7	86.0	30.0	1975.	54.6	12.6	40.0	4.4	1979.
15	61.8	16.6	70.8	21.6	86.0	30.0	1975.	52.8	11.5	39.0	3.9	1979.+
16	62.6	17.0	71.9	22.2	85.0	29.4	1975.	53.3	11.8	37.0	2.8	1945.
17	61.4	16.3	69.4	20.8	83.0	28.3	1972.	53.3	11.8	38.0	3.3	1977.
18	61.1	16.1	70.0	21.1	83.0	28.3	1945.	52.1	11.2	33.0	.6	1977.
19	60.2	15.7	68.5	20.3	82.0	27.8	1966.	51.9	11.0	40.0	4.4	1981.
20	59.8	15.5	68.0	20.0	87.0	30.6	1984.	51.6	10.9	33.0	.6	1981.
21	59.1	15.1	67.2	19.6	84.0	28.9	1984.+	51.1	10.6	35.0	1.7	1974.
22	60.1	15.6	69.0	20.6	84.0	28.9	1984.+	51.1	10.6	33.0	.6	1976.+
23	61.3	16.3	70.3	21.3	86.0	30.0	1978.+	52.3	11.3	32.0	.0	1987.+
24	60.2	15.7	67.8	19.9	82.0	27.8	1984.	52.7	11.5	39.0	3.9	1969.+
25	59.0	15.0	66.8	19.3	76.0	24.4	1975.+	51.2	10.6	36.0	2.2	1960.
26	58.5	14.7	65.9	18.8	84.0	28.9	1978.	51.0	10.6	36.0	2.2	1962.
27	57.7	14.3	66.3	19.1	84.0	28.9	1984.	49.2	9.5	30.0	-1.1	1962.
28	58.3	14.6	66.7	19.3	85.0	29.4	1984.	49.9	10.0	32.0	.0	1976.
29	58.2	14.6	66.3	19.0	83.0	28.3	1984.	50.2	10.1	29.0	-1.7	1976.
30	57.2	14.0	65.4	18.5	83.0	28.3	1946.	49.1	9.5	29.0	-1.7	1965.
31	58.3	14.6	66.5	19.2	82.0	27.8	1961.+	50.0	10.0	33.0	.6	1966.
MONTH	61.8	16.6	70.0	21.1	95.0	35.0	1954.	53.6	12.0	29.0	-1.7	1976.+

NOTES :
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THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH :NOV

	MEAN TEMPERATURE		MAXIMUM TEMPERATURE					MINIMUM TEMPERATURE				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DEG C	DEG F	DEG C	DATE
1	59.7	15.4	67.9	20.0	83.0	28.3	1974.+	51.4	10.8	32.0	.0	1975.
2	60.1	15.6	69.0	20.6	81.0	27.2	1971.+	51.3	10.7	33.0	.6	1976.
3	59.3	15.2	68.6	20.3	82.0	27.8	1972.	50.0	10.0	33.0	.6	1976.
4	57.1	14.0	66.0	18.9	82.0	27.8	1974.	48.2	9.0	32.0	.0	1976.+
5	56.2	13.5	63.8	17.7	80.0	26.7	1974.	48.7	9.3	34.0	1.1	1952.
6	53.7	12.0	61.7	16.5	81.0	27.2	1959.	45.6	7.5	32.0	.0	1976.+
7	52.9	11.6	62.5	16.9	79.0	26.1	1975.	43.3	6.3	30.0	-1.1	1987.+
8	53.5	12.0	62.9	17.2	80.0	26.7	1986.	44.2	6.8	31.0	-.6	1976.+
9	54.6	12.5	63.6	17.6	82.0	27.8	1986.	45.5	7.5	23.0	-5.0	1976.
10	54.7	12.6	62.7	17.1	84.0	28.9	1979.	46.7	8.2	34.0	1.1	1961.+
11	52.2	11.2	59.9	15.5	75.0	23.9	1964.	44.4	6.9	31.0	-.6	1957.
12	52.4	11.3	60.3	15.7	75.0	23.9	1964.	44.5	6.9	29.0	-1.7	1957.
13	51.7	11.0	60.2	15.6	81.0	27.2	1945.	43.3	6.3	30.0	-1.1	1987.+
14	52.0	11.1	61.2	16.2	79.0	26.1	1972.	42.8	6.0	28.0	-2.2	1976.
15	52.0	11.1	61.1	16.2	75.0	23.9	1973.+	42.9	6.1	28.0	-2.2	1984.
16	54.0	12.2	63.2	17.4	83.0	28.3	1955.	44.8	7.1	26.0	-3.3	1967.
17	53.7	12.0	63.1	17.3	76.0	24.4	1977.	44.2	6.8	25.0	-3.9	1967.
18	52.8	11.6	62.0	16.7	76.0	24.4	1968.+	43.6	6.4	29.0	-1.7	1984.+
19	53.0	11.7	61.7	16.5	78.0	25.6	1964.+	44.3	6.9	28.0	-2.2	1959.
20	50.7	10.4	58.8	14.9	75.0	23.9	1983.	42.5	5.8	27.0	-2.8	1980.
21	50.7	10.4	59.5	15.3	77.0	25.0	1979.	41.9	5.5	30.0	-1.1	1980.+
22	49.1	9.5	57.5	14.2	76.0	24.4	1979.	40.8	4.9	27.0	-2.8	1981.
23	48.3	9.1	57.3	14.1	78.0	25.6	1979.	39.3	4.1	25.0	-3.9	1976.
24	51.2	10.6	59.8	15.5	79.0	26.1	1983.	42.5	5.8	24.0	-4.4	1976.
25	48.7	9.3	56.9	13.9	77.0	25.0	1973.	40.6	4.8	27.0	-2.8	1976.+
26	48.7	9.3	58.2	14.5	75.0	23.9	1987.+	39.2	4.0	28.0	-2.2	1977.
27	51.5	10.8	61.2	16.2	80.0	26.7	1973.	41.8	5.4	22.0	-5.6	1977.
28	52.5	11.4	61.3	16.2	81.0	27.2	1973.	43.8	6.6	27.0	-2.8	1974.
29	47.9	8.9	55.9	13.3	76.0	24.4	1982.	40.0	4.5	23.0	-5.0	1955.
30	43.9	6.6	51.8	11.0	68.0	20.0	1975.	35.9	2.2	24.0	-4.4	1958.
MONTH	52.6	11.5	61.3	16.3	84.0	28.9	1979.	43.9	6.6	22.0	-5.6	1977.

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

013769 OCEANA, VA — LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 — MONTH :DEC

	MEAN TEMPERATURE		MAXIMUM TEMPERATURE					MINIMUM TEMPERATURE				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DEG C	DEG F	DEG C	DATE
1	44.5	6.9	52.2	11.2	77.0	25.0	1977.	36.8	2.6	23.0	-5.0	1976.+
2	44.7	7.1	54.0	12.2	71.0	21.7	1970.	35.4	1.9	22.0	-5.6	1976.
3	46.2	7.9	54.7	12.6	69.0	20.6	1970.+	37.8	3.2	19.0	-7.2	1976.
4	47.8	8.8	56.1	13.4	83.0	28.3	1978.	39.5	4.2	19.0	-7.2	1976.
5	48.6	9.2	57.9	14.4	78.0	25.6	1982.	39.3	4.1	27.0	-2.8	1979.+
6	47.7	8.7	57.1	13.9	74.0	23.3	1982.+	38.3	3.5	24.0	-4.4	1974.
7	45.6	7.5	54.9	12.7	78.0	25.6	1956.	36.3	2.4	23.0	-5.0	1954.
8	48.4	9.1	57.6	14.2	79.0	26.1	1978.	39.2	4.0	20.0	-6.7	1954.
9	47.6	8.7	57.1	13.9	81.0	27.2	1978.	38.1	3.4	17.0	-8.3	1976.
10	45.3	7.4	53.9	12.2	76.0	24.4	1966.	36.7	2.6	22.0	-5.6	1960.
11	44.5	6.9	52.7	11.5	70.0	21.1	1971.	36.3	2.4	18.0	-7.8	1977.
12	45.7	7.6	53.9	12.2	75.0	23.9	1964.	37.5	3.1	15.0	-9.4	1977.
13	45.3	7.4	54.1	12.3	75.0	23.9	1956.	36.6	2.5	10.0	-12.2	1958.
14	43.9	6.6	52.7	11.5	70.0	21.1	1956.+	35.2	1.8	16.0	-8.9	1960.
15	43.7	6.5	51.9	11.0	72.0	22.2	1984.	35.5	1.9	19.0	-7.2	1962.+
16	43.3	6.3	51.3	10.7	74.0	23.3	1971.	35.3	1.8	13.0	-10.6	1958.
17	42.7	6.0	51.1	10.6	68.0	20.0	1946.	34.4	1.3	18.0	-7.8	1958.+
18	42.0	5.6	51.4	10.8	78.0	25.6	1984.	32.6	.3	20.0	-6.7	1963.
19	41.2	5.1	49.8	9.9	77.0	25.0	1984.	32.7	.4	17.0	-8.3	1975.
20	42.7	5.9	50.4	10.2	71.0	21.7	1987.	35.0	1.7	18.0	-7.8	1981.+
21	42.0	5.6	49.3	9.6	68.0	20.0	1956.+	34.8	1.5	15.0	-9.4	1981.
22	41.1	5.0	49.1	9.5	76.0	24.4	1967.	33.0	.6	15.0	-9.4	1976.
23	42.6	5.9	51.5	10.8	74.0	23.3	1981.	33.6	.9	16.0	-8.9	1960.
24	44.0	6.7	52.4	11.3	72.0	22.2	1982.	35.7	2.1	11.0	-11.7	1983.
25	43.1	6.2	51.6	10.9	73.0	22.8	1964.+	34.6	1.5	8.0	-13.3	1983.
26	41.8	5.5	50.6	10.3	76.0	24.4	1982.	33.1	.6	8.0	-13.3	1983.
27	41.2	5.1	49.0	9.4	69.0	20.6	1971.	33.5	.8	16.0	-8.9	1948.
28	42.8	6.0	50.8	10.5	76.0	24.4	1984.	34.7	1.5	17.0	-8.3	1977.
29	42.7	6.0	51.1	10.6	75.0	23.9	1984.	34.4	1.3	15.0	-9.4	1977.
30	42.4	5.8	50.8	10.4	70.0	21.1	1969.	34.1	1.2	21.0	-6.1	1961.
31	42.9	6.1	50.6	10.4	70.0	21.1	1965.	35.2	1.8	20.0	-6.7	1976.+
MONTH	44.1	6.7	52.6	11.5	83.0	28.3	1978.	35.7	2.0	8.0	-13.3	1983.+

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

30 - EXTREME VALUES

MAXIMUM TEMPERATURE (DEG F)
(FROM DAILY OBS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1945	MISS	MISS	90	87	92	104	96	95	92	83	81	MISS	MISS
1946	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	PART	MISS	PART	MISS
1947	PART	PART	PART	PART	PART	PART	PART	PART	MISS	PART	MISS	PART	MISS
1948	PART	PART	PART	PART	MISS	PART	MISS	MISS	PART	MISS	MISS	PART	MISS
1949	PART	PART	MISS	MISS	MISS	PART	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1950	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1951	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	PART	MISS
1952	76	68	85	92	88	102	102	94	93	87	79	70	102
1953	75	77	73	86	94	92	97	96	93	84	81	71	97
1954	72	77	85	87	89	96	103	96	93	95	71	70	103
1955	67	75	79	90	90	90	95	95	87	82	83	73	95
1956	70	72	82	85	95	93	95	93	91	79	76	78	95
1957	76	70	74	94	89	94	99	95	92	75	74	68	99
1958	62	67	63	84	86	94	95	97	94	85	77	69	97
1959	71	74	81	87	90	98	92	94	86	88	81	68	98
1960	71	72	81	95	88	97	92	94	90	83	77	68	97
1961	64	77	83	89	86	92	94	93	89	82	79	72	94
1962	67	80	76	83	90	90	90	94	92	85	70	62	94
1963	71	70	81	88	93	93	96	92	87	82	74	62	96
1964	66	65	80	86	90	102	92	92	90	79	79	PART	MISS
1965	71	77	76	84	90	91	92	94	93	79	75	70	94
1966	72	67	82	88	88	92	97	95	93	85	PART	76	PART
1967	73	70	82	88	90	92	92	90	83	86	74	76	92
1968	65	60	85	79	89	94	94	95	86	87	81	67	95
1969	66	56	74	85	92	93	93	91	PART	80	73	70	PART
1970	75	67	69	85	87	92	93	93	92	84	72	72	93
1971	63	70	74	77	81	95	91	91	85	80	83	74	95
1972	68	64	74	87	79	87	93	93	91	83	82	70	93
1973	67	63	84	85	91	95	94	95	93	88	81	71	95
1974	75	70	85	89	93	93	96	93	89	83	83	69	96
1975	74	77	81	84	86	93	91	96	93	86	79	72	96
1976	70	79	83	89	88	89	93	89	89	80	70	64	93
1977	59	81	85	85	88	96	99	99	93	84	77	77	99
1978	69	67	77	85	83	89	93	96	93	86	77	83	96
1979	73	69	84	81	87	96	93	102	93	84	84	71	102
1980	68	74	77	86	90	99	97	104	96	85	78	76	104
1981	64	73	79	89	92	98	98	97	91	87	76	74	98
1982	71	75	82	84	93	92	96	93	89	86	81	78	96
1983	63	71	80	87	89	92	98	99	MISS	MISS	79	69	PART
1984	66	71	68	79	91	92	96	92	95	87	78	78	96
1985	78	80	87	93	89	92	98	96	97	MISS	MISS	PART	MISS
1986	PART	74	82	82	92	100	99	96	92	94	82	74	PART
1987	67	61	75	81	93	93	98	97	90	76	80	72	98
MEAN	69.3	71.1	79.4	86.1	89.2	94.1	95.2	94.8	91.0	84.0	77.9	71.6	96.6
S.D.	4.580	5.970	5.674	3.996	3.392	3.821	3.081	3.013	3.125	4.176	3.883	4.593	3.035
TOT OBS	75	76	77	77	77	77	77	77	75	75	75	74	70

30 - EXTREME VALUES

MAXIMUM TEMPERATURE (DEG F)
(FROM DAILY OBS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1946										83.		73.	MAX TEMP
										23		21	# DAYS
1947	75.	66.	70.	86.	89.	98.	95.	96.		86.		67.	MAX TEMP
	22	20	20	23	21	21	22	21		24		21	# DAYS
1948	63.	74.	88.	92.		96.			90.			72.	MAX TEMP
	24	20	23	22		22			21			22	# DAYS
1949	74.	80.				104.							MAX TEMP
	20	18				25							# DAYS
1951												78.	MAX TEMP
												28	# DAYS
1964												75.	MAX TEMP
												30	# DAYS
1966											78.		MAX TEMP
											28		# DAYS
1969									91.				MAX TEMP
									28				# DAYS
1985												69.	MAX TEMP
												30	# DAYS
1986	68.												MAX TEMP
	30												# DAYS

31 - EXTREME VALUES

MINIMUM TEMPERATURE (DEG F)
(FROM DAILY OBS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1945	MISS	MISS	34	PART	44	47	58	59	61	37	25	MISS	MISS
1946	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	PART	MISS	PART	MISS
1947	PART	PART	PART	PART	PART	PART	PART	PART	MISS	PART	MISS	PART	MISS
1948	PART	PART	PART	PART	MISS	PART	MISS	MISS	PART	MISS	MISS	PART	MISS
1949	PART	PART	MISS	MISS	MISS	PART	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1950	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1951	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	PART	MISS
1952	17	27	26	37	45	55	63	53	52	30	31	19	17
1953	26	28	30	35	53	50	65	62	56	43	32	25	25
1954	22	25	26	32	41	54	56	58	49	38	30	20	20
1955	18	16	24	37	44	53	62	63	61	40	23	18	16
1956	21	25	28	34	35	56	60	62	49	48	28	28	21
1957	16	28	34	33	43	59	60	60	58	34	29	16	16
1958	19	7	32	35	50	50	65	65	52	42	24	10	7
1959	14	18	27	37	47	56	64	60	50	40	28	26	14
1960	21	25	21	39	41	54	62	67	58	36	34	15	15
1961	15	15	28	34	44	51	60	59	52	38	32	21	15
1962	9	18	28	35	45	54	58	60	48	30	31	18	9
1963	16	14	29	39	40	52	59	56	50	34	31	17	14
1964	20	26	28	28	42	55	64	56	51	36	27	PART	MISS
1965	14	10	28	30	43	46	55	51	52	29	31	23	10
1966	12	21	27	37	38	49	61	63	50	33	PART	22	MISS
1967	24	14	21	34	43	45	60	62	48	40	25	25	14
1968	19	20	24	37	42	58	63	60	56	37	33	22	19
1969	22	26	25	38	42	60	67	60	PART	37	28	23	MISS
1970	10	16	26	34	46	54	61	63	48	43	28	24	10
1971	17	20	29	38	42	55	64	61	59	51	35	26	17
1972	14	23	29	34	48	53	59	62	57	46	27	23	14
1973	14	14	26	30	43	61	62	61	58	43	30	22	14
1974	23	22	27	35	43	55	60	59	52	33	27	24	22
1975	22	24	24	33	47	57	60	65	54	34	32	17	17
1976	14	19	25	34	41	54	61	58	51	29	23	15	14
1977	2	14	32	31	45	53	58	58	53	33	22	15	2
1978	10	12	20	41	40	51	54	64	57	37	37	26	10
1979	15	11	27	39	44	51	54	60	57	37	26	21	11
1980	23	11	20	35	40	50	62	60	50	37	27	16	11
1981	10	15	26	33	44	57	61	57	51	33	27	15	10
1982	8	25	24	30	44	58	58	50	51	36	32	24	8
1983	22	27	32	35	43	53	60	58	MISS	MISS	31	8	MISS
1984	17	25	27	33	45	49	58	63	52	45	28	23	17
1985	-3	21	27	32	42	49	62	57	49	MISS	MISS	PART	MISS
1986	PART	16	21	36	39	56	60	57	51	40	31	24	MISS
1987	15	22	26	34	45	54	58	58	51	32	27	25	15
MEAN	15.9	19.4	26.7	34.7	43.3	53.4	60.4	59.6	53.0	37.5	28.9	20.5	14.1
S.D.	6.216	5.838	3.542	2.928	3.275	3.773	2.994	3.638	3.815	5.343	3.509	4.788	4.833
TOT OBS	35	36	37	36	37	37	37	37	35	35	35	34	30

MINIMUM TEMPERATURE (DEG F)
(FROM DAILY OBS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1945				40.									MIN TEMP
				29									# DAYS
1946										40.		26.	MIN TEMP
										23		21	# DAYS
1947	21.	13.	17.	38.	47.	57.	63.	68.		41.		24.	MIN TEMP
	22	20	20	23	21	21	22	21		24		21	# DAYS
1948	17.	21.	24.	41.		50.			55.			16.	MIN TEMP
	24	20	23	22		22			21			22	# DAYS
1949	28.	29.				52.							MIN TEMP
	20	18				25							# DAYS
1951												18.	MIN TEMP
												28	# DAYS
1964												25.	MIN TEMP
												30	# DAYS
1966											31.		MIN TEMP
											28		# DAYS
1969									53.				MIN TEMP
									28				# DAYS
1985												17.	MIN TEMP
												30	# DAYS
1986	15.												MIN TEMP
	30												# DAYS

32 - YEAR/MONTH VALUES

HEATING DEGREE DAYS (BASE 65 DEG F)
(FROM DAILY OBS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1945	MISS	MISS	255	151	72	15	0	0	0	123	331	MISS	MISS
1946	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1947	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1948	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1949	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1950	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1951	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1952	598	585	547	210	56	0	0	0	5	213	386	654	3254
1953	547	516	424	226	10	3	0	0	1	95	376	574	2772
1954	679	497	488	169	109	0	0	0	7	160	457	724	3290
1955	830	665	400	181	69	9	0	0	0	135	436	831	3556
1956	846	499	525	299	134	2	0	0	26	70	414	377	3192
1957	764	560	500	177	65	1	0	0	11	213	339	566	3196
1958	850	804	666	260	50	15	0	0	7	138	303	890	3983
1959	786	605	513	210	58	5	0	0	15	134	396	595	3317
1960	695	638	803	183	62	2	0	0	0	146	361	855	3745
1961	881	570	404	327	123	15	0	0	7	155	371	697	3550
1962	759	608	608	270	57	3	0	0	40	150	466	777	3738
1963	829	793	366	251	135	8	0	0	35	147	382	881	3827
1964	671	656	486	311	114	5	0	0	4	226	296	MISS	MISS
1965	770	644	630	358	57	34	1	9	9	175	399	648	3734
1966	815	715	533	284	111	15	0	0	13	150	MISS	684	MISS
1967	628	688	557	239	170	25	0	0	29	156	500	589	3581
1968	864	808	459	312	84	0	0	0	0	117	298	693	3635
1969	814	706	646	206	76	0	0	0	MISS	104	445	730	MISS
1970	951	693	630	303	88	0	0	0	14	69	333	546	3627
1971	857	578	564	344	134	4	0	0	0	14	395	436	3326
1972	603	681	530	266	67	7	0	0	0	101	306	479	3040
1973	724	713	398	221	70	0	0	0	0	81	346	625	3178
1974	496	604	388	191	68	7	0	0	24	246	453	625	3102
1975	603	557	541	373	78	0	0	0	4	82	274	627	3139
1976	819	464	372	212	95	16	0	0	8	265	605	827	3683
1977	1118	608	366	215	46	3	0	0	1	191	335	683	3566
1978	907	1006	634	251	117	4	0	0	1	149	281	599	3949
1979	744	846	485	198	56	4	0	0	0	184	270	588	3375
1980	721	802	545	181	69	5	0	0	8	167	433	664	3595
1981	945	572	568	154	96	0	0	0	5	174	413	713	3640
1982	862	590	462	288	23	0	0	5	4	163	303	462	3162
1983	706	631	415	271	90	2	0	0	MISS	MISS	348	687	MISS
1984	865	465	575	275	39	4	0	0	8	28	455	440	3154
1985	920	682	429	196	33	2	0	0	9	MISS	MISS	MISS	MISS
1986	MISS	622	456	245	87	0	0	1	12	109	316	622	MISS
1987	777	735	557	331	73	0	0	0	2	271	322	584	3652

33 - YEAR/MONTH VALUES

COOLING DEGREE DAYS (BASE 65 DEG F)
(FROM DAILY OBS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1945	MISS	MISS	74	48	108	363	440	378	352	39	21	MISS	MISS
1946	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1947	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1948	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1949	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1950	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1951	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1952	2	0	16	38	94	395	481	418	221	20	0	0	1685
1953	0	2	0	29	200	254	452	385	227	52	0	0	1601
1954	0	0	5	52	91	300	377	384	251	128	0	0	1588
1955	0	0	1	39	134	199	482	448	221	53	9	0	1586
1956	0	0	11	35	100	293	407	368	199	24	11	4	1452
1957	0	0	0	97	145	361	393	318	291	7	4	0	1616
1958	0	0	0	22	78	189	492	414	179	26	9	0	1409
1959	0	0	2	42	158	318	401	419	244	122	13	0	1719
1960	0	0	3	101	97	286	342	426	227	36	3	0	1521
1961	0	1	22	38	58	222	435	373	300	26	14	0	1489
1962	0	0	3	32	140	198	312	312	146	49	0	0	1192
1963	0	0	4	42	78	201	332	308	100	11	0	0	1076
1964	0	0	7	10	145	280	378	291	203	19	8	MISS	MISS
1965	0	0	0	12	127	199	312	342	236	25	0	0	1253
1966	0	0	6	28	105	266	459	392	233	38	MISS	4	MISS
1967	0	0	5	41	42	203	360	329	89	37	2	0	1108
1968	0	0	10	1	85	297	391	442	169	75	8	0	1478
1969	0	0	0	34	84	301	426	360	MISS	55	0	0	MISS
1970	0	0	0	11	89	246	347	382	299	65	1	0	1440
1971	0	0	0	0	25	284	387	361	261	106	26	1	1451
1972	0	0	1	14	43	189	418	362	256	53	20	0	1356
1973	0	0	23	27	99	345	379	389	268	70	12	0	1612
1974	3	0	20	65	105	178	362	358	188	18	25	0	1322
1975	0	2	0	21	95	273	356	437	243	72	24	0	1523
1976	0	14	12	71	77	273	327	261	157	21	0	0	1213
1977	0	6	23	46	139	265	449	436	296	18	18	4	1700
1978	0	0	0	10	68	226	334	463	241	67	2	14	1425
1979	0	0	11	13	116	182	364	456	259	61	18	0	1480
1980	0	0	0	19	166	279	485	486	346	48	2	1	1832
1981	0	0	1	50	107	415	472	337	204	30	0	0	1616
1982	0	0	4	11	181	261	441	353	183	44	21	7	1506
1983	0	0	1	23	123	245	462	423	MISS	MISS	8	0	MISS
1984	0	0	0	4	166	318	364	444	219	113	4	1	1633
1985	0	4	19	67	128	275	457	383	262	MISS	MISS	MISS	MISS
1986	MISS	0	7	1	144	326	522	360	219	94	18	0	MISS
1987	0	0	0	2	140	328	509	440	266	0	4	0	1689

34 - YEAR/MONTH VALUES

MEAN TEMPERATURE (DEG F)
(FROM DAILY OBS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1945	MISS	MISS	59.1	61.4	66.1	76.5	79.1	77.1	76.7	62.2	54.6	MISS	MISS
1946	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	64.6P	MISS	46.8P	MISS
1947	48.3P	36.7P	42.5P	57.2P	70.0P	74.8P	78.4P	81.0P	MISS	66.7P	MISS	43.5P	MISS
1948	36.6P	43.3P	53.0P	61.3P	MISS	74.8P	MISS	MISS	72.1P	MISS	MISS	49.8P	MISS
1949	51.5P	50.3P	MISS	MISS	MISS	76.8P	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1950	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1951	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	47.3P	MISS
1952	45.7	44.1	47.8	59.2	66.2	78.1	80.5	78.4	72.1	58.7	52.1	43.9	60.6
1953	47.3	46.6	51.3	58.4	71.1	73.3	79.5	77.4	72.5	63.6	52.4	46.4	61.6
1954	43.0	47.2	49.4	61.0	64.4	75.0	77.1	77.3	73.1	63.9	49.7	41.6	60.2
1955	38.2	41.2	52.1	60.2	67.0	71.3	60.5	79.4	72.3	62.3	50.7	38.1	59.4
1956	37.7	47.1	48.4	56.1	63.9	74.6	78.1	76.8	70.7	63.5	51.5	52.9	60.1
1957	40.3	45.0	48.8	62.3	67.5	77.0	77.6	75.2	74.3	58.3	53.8	46.7	60.6
1958	37.5	36.2	43.5	57.0	65.9	70.7	80.8	78.3	70.7	61.3	55.1	36.2	57.8
1959	39.6	43.3	48.5	59.3	68.2	75.4	77.9	78.5	72.6	64.6	52.2	45.8	60.5
1960	42.5	42.2	39.1	62.2	66.1	74.4	76.0	78.7	72.5	61.4	53.0	37.4	58.8
1961	36.5	44.6	52.6	55.3	62.9	71.8	79.0	77.0	74.7	60.8	53.0	42.5	59.2
1962	40.5	43.2	45.4	57.0	67.6	71.5	75.0	75.0	68.5	61.7	49.4	39.9	57.9
1963	38.2	36.6	53.3	58.0	63.1	71.4	75.7	74.9	67.1	60.6	52.2	36.5	57.3
1964	43.3	41.5	49.5	54.9	66.0	74.1	77.1	74.3	71.6	58.3	55.3	47.1P	MISS
1965	40.1	42.0	44.6	53.4	67.2	70.5	75.0	75.7	72.5	60.1	51.6	44.0	58.1
1966	38.7	39.4	46.0	56.4	64.8	73.3	79.8	77.6	72.3	61.3	53.0P	43.0	MISS
1967	44.7	40.4	47.1	58.3	60.8	70.9	76.6	75.6	67.0	61.1	48.3	46.0	58.1
1968	37.1	36.1	50.5	54.6	65.0	74.8	77.6	79.2	70.6	63.6	55.3	42.6	58.9
1969	38.7	39.7	44.1	59.2	65.2	75.0	78.7	76.6	71.3P	63.4	50.1	41.4	MISS
1970	34.3	40.2	44.6	55.2	65.0	73.1	76.1	77.3	74.5	64.8	53.9	47.3	58.9
1971	37.3	44.3	46.8	53.5	61.4	74.3	77.4	76.6	73.6	67.9	52.6	50.9	59.7
1972	45.5	40.6	47.9	56.5	64.2	71.0	78.4	76.6	73.5	63.4	55.4	49.5	60.2
1973	41.6	39.5	52.9	58.5	65.9	76.5	77.2	77.5	73.9	64.6	53.8	44.8	60.6
1974	49.0	43.4	53.1	60.7	66.1	70.6	76.6	76.5	70.4	57.6	50.7	44.8	60.0
1975	45.5	45.1	47.5	53.2	65.5	74.0	76.4	79.0	72.9	64.6	56.6	44.7	60.4
1976	38.5	48.9	53.3	60.2	64.4	73.5	75.5	73.4	69.9	57.1	44.8	38.3	58.1
1977	28.9	43.5	53.9	59.3	68.0	73.7	79.4	79.0	74.8	59.4	54.4	43.0	59.8
1978	35.7	29.0	44.5	56.9	63.4	72.3	75.7	79.9	73.0	62.3	55.6	46.1	57.9
1979	41.0	34.7	49.7	58.8	66.9	70.9	76.7	79.7	73.6	61.0	56.5	46.0	59.6
1980	41.7	36.3	47.4	59.5	68.1	74.1	80.6	80.6	76.2	61.1	50.6	43.6	60.0
1981	34.5	44.5	46.7	61.5	65.3	78.8	80.2	75.8	71.6	60.3	51.2	42.0	59.4
1982	37.1	43.9	50.2	55.7	70.0	73.6	79.2	76.2	70.9	61.1	55.5	50.3	60.3
1983	42.2	42.4	51.6	56.7	66.0	73.0	79.9	78.6	MISS	MISS	53.6	42.8	MISS
1984	37.0	48.3	46.4	55.9	69.0	75.4	76.7	79.3	72.0	67.7	49.9	50.8	60.7
1985	35.3	40.7	51.7	60.6	68.0	74.0	79.7	77.3	73.4	MISS	MISS	41.5P	MISS
1986	38.7P	42.7	50.5	56.8	66.8	75.8	81.8	76.5	71.8	64.5	55.0	44.9	MISS
1987	39.9	38.7	47.0	54.0	67.1	75.9	81.4	79.1	73.7	56.2	54.3	46.1	59.4

35 - YEAR/MONTH VALUES

TOTAL PRECIPITATION (INCHES)
(FROM DAILY OBS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1951	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	2.88	MISS
1952	4.50	5.95	4.83	1.49	4.77	1.80	3.18	5.30	1.20	3.36	7.21	5.08	48.67
1953	2.23	4.42	2.66	6.87	3.73	2.93	4.88	17.80	6.21	1.00	6.29	3.24	62.26
1954	7.35	1.05	4.01	1.82	5.89	.03	4.41P	6.03	2.86	.32P	.80	2.63	MISS
1955	1.82	4.17	5.41	1.16	1.08	2.59	4.88	6.06	5.06	2.67	1.52	1.51	37.93
1956	2.02	5.54	2.93	3.86	2.43	1.33	5.99	4.09	2.40	7.38	.95	3.32	42.24
1957	3.70	5.36	4.12	1.37	2.15	3.26	3.00	8.10	11.49	4.58	7.48	4.60	59.21
1958	3.23	4.21	5.74	3.48	5.49	4.44	4.97	9.50	.58	7.45	2.34	3.89	55.32
1959	1.65	2.44	4.34	5.99	1.98	5.25	10.67	5.01	4.28	6.15	2.43	1.96	52.15
1960	3.71	3.50	2.41	1.12	4.01	4.50	5.83	7.73	6.17	3.14	.98	1.94	45.04
1961	3.44	4.84	3.06	2.59	4.78	3.76	3.18	2.71	1.87	5.38	1.73	3.99	41.33
1962	7.20	2.56	3.07	3.45	4.02	3.54	7.11	3.60	2.56	7.44	3.77	3.32	51.64
1963	3.01	4.17	2.47	1.05	3.16	6.79	.94	1.64	4.85	.92	4.28	2.33	36.41
1964	3.79	3.98	2.51	2.74	1.84	1.45	3.81	13.61	9.96	4.02	1.06	3.48P	MISS
1965	2.41	2.55	2.31	1.91	2.51	4.99	5.65	1.84	1.09	1.73	.47	.62	28.08
1966	4.69	4.42	1.69	1.55	6.63	2.33	3.81	6.74	2.73	.83	.74	3.99	40.15
1967	2.99	2.85	1.55	.99	2.25	2.46	4.92	9.71	4.99	.82	2.19	4.20	39.92
1968	3.97	1.00	6.15	2.57	1.98	3.97	5.04	1.58	2.20	3.91	3.27	2.81	38.45
1969	2.74	2.22	4.49	2.27	1.09	4.33	9.76	4.05	4.17	4.23	2.21	4.24	45.80
1970	2.18	4.22	2.41	2.80P	3.36	3.27	6.40	1.93	1.68	2.05	2.57	3.08	MISS
1971	6.04	3.99	3.95	2.25	4.06	1.76	3.63	4.63	6.14	9.99	.90	1.08	48.42
1972	2.73	3.17	2.65	1.85	5.50	3.05	4.30	3.60	9.64	4.11	4.62	3.60	48.82
1973	2.46	3.46	4.90	2.10	4.16	5.09	3.57	4.87	1.74	1.61	1.45	4.37	39.78
1974	2.72	4.35	4.45	2.58	3.65	4.50	5.45	4.65	3.04	1.00	1.14	3.13	40.66
1975	4.47	3.18	5.41	4.81	3.42	1.31	8.58	2.03	4.67	2.18	2.01	3.82	45.89
1976	2.54	2.07	2.52	1.24	3.63	2.26	7.18	4.60P	.49P	2.24	1.75	2.68	MISS
1977	3.03	1.73	3.86	1.27	4.76	2.62	2.45	2.83	1.48	5.29	5.60	5.81	40.73
1978	6.96	1.55	5.62	4.14	6.32	4.95	2.57	4.15	.41	2.13	4.97	2.02	45.79
1979	6.70	4.92	3.03	3.84	6.28	2.12	4.23	2.62	7.33P	1.83	5.52	.99	MISS
1980	3.89	2.59	5.47	1.86	2.78	.81	2.07	6.70	2.54	6.05	2.60	2.13	39.49
1981	1.23	3.58	1.64	2.09	2.56	4.00	3.62	6.62	3.89	1.93	2.39	5.61	39.16
1982	2.98	5.97	2.72	2.37	3.67	3.49	6.03	5.80	3.72	3.53	3.68	4.27	48.23
1983	2.90	6.27	6.07	6.58	3.76	3.51	3.12	3.97	MISS	MISS	2.62	5.66	MISS
1984	2.69	4.36	6.89	5.33	5.13	2.85	10.24	7.68	2.80	.18	2.00	2.09	52.24
1985	3.62	4.16	2.53	1.07	2.84	4.84	3.65	1.01	7.15	MISS	MISS	1.10	MISS
1986	2.39P	2.09	.89	1.94	.43	2.70	1.62	12.20	.18	1.07	1.55	3.25	MISS
1987	11.37	2.09	2.46	2.65	1.56	2.10	2.68	4.57	2.62	1.59	3.01	2.68	39.38

36 - WEATHER CONDITIONS

ATMOSPHERIC PHENOMENON
(FROM DAILY OBSERVATIONS)

013769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT
PERIOD OF RECORD : 1945-1987 MONTH : ALL

MONTH	HOURS (LST)	TSTM	RAIN &/OR DRIZZLE	FREEZE RAIN & FREEZE DRIZZLE	SNOW &/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS. W/OBST VISION	TOTAL NO. OF OBS.
JAN	DAILY	.6	41.3	.1	14.1	.2	47.3	44.4	58.3	2.1	.1	70.9	943
FEB	DAILY	1.5	42.1	.1	12.8	.2	47.5	43.5	58.4	2.2	.0	69.6	868
MAR	DAILY	5.3	44.6	.0	5.7	.4	46.6	43.5	59.6	.7	.3	70.1	970
APR	DAILY	7.9	46.0	.0	.5	.4	46.0	47.3	62.1	.0	.3	72.3	946
MAY	DAILY	16.1	45.0	.0	.0	.3	45.0	57.0	71.3	.0	.2	79.8	968
JUN	DAILY	17.9	40.7	.0	.0	.2	40.7	56.4	80.3	.0	.2	85.8	994
JUL	DAILY	26.8	46.1	.0	.0	.2	46.1	59.4	82.6	.0	.0	86.2	1003
AUG	DAILY	23.0	44.6	.0	.0	.2	44.6	67.5	83.6	.0	.3	89.1	989
SEP	DAILY	8.9	36.9	.0	.0	.1	36.9	62.9	74.2	.0	.0	81.5	976
OCT	DAILY	4.3	33.6	.0	.0	.0	33.6	56.4	68.5	.0	.1	77.8	997
NOV	DAILY	2.1	39.3	.0	2.0	.0	39.8	51.2	62.8	.0	.0	73.0	954
DEC	DAILY	1.5	37.3	.0	5.1	.0	39.4	43.8	57.7	.5	.0	69.1	994
ANN	DAILY	9.8	41.4	.0*	3.2	.2	42.7	52.9	68.5	.4	.1	77.2	11602

NOTES :
* = PERCENT < .05

37 - STATION CLIMATIC SUMMARY

13769 OCEANA, VA LAT. : 36 48N LONG. : 76 02W ELEV. : 22 FT

PERIOD OF RECORD (HOURLY): 1945-1987 PERIOD OF RECORD (DAILY) : 1945-1987

	TEMPERATURE (DEG F)					PRECIPITATION (INCHES) (&&)				SNOWFALL (@)			REL HUM PERCENT		VAP PR	DEW PT.	PR ALT	WIND (KTS)				SKY	MEAN NO. OF DAYS WITH (&) PRECIP.		SNOW-				TEMP (DEG F)			
	MEANS			EXTREME		PRECIP.			24H			24H	(LST)		IN.	(F)	FT.	PREVAIL		MAX	CVR	INCHES		FALL (")		TH	FOG	MAX	MAX	MIN	MIN
	MAX	MIN	AVG	MAX	MIN	MEAN	MAX	MIN	MAX	MEAN	MAX	MAX	04	13	HG.		$	DIR	SPD	GST	*	>=.01	>.50	>=.10	>=1.5	STM	*	>=90	>=75	<=32	<=15
JAN	48	32	40	78	-3	.4	11.4	1.2	3.3	3	18	10	74	60	.16	30	65	N	9	54	OVR	10	3	1	1	#	14	0	#	17	1
FEB	50	33	42	81	7	.4	6.3	1.0	2.2	2	18	10	74	58	.17	30	70	N	9	54	OVR	10	3	1	#	#	12	0	1	14	1
MAR	57	40	49	90	17	.4	6.9	.9	4.1	1	19	12	74	55	.21	36	70	N	10	61	OVR	10	3	1	#	2	13	#	3	6	0
APR	67	48	58	95	28	.3	6.9	1.0	3.3	T	T	T	76	53	.30	45	65	SW	9	58	OVR	10	2	#	0	2	14	#	8	#	0
MAY	75	57	66	95	35	.4	6.6	.4	3.2	T	T	T	82	57	.43	55	45	SW	8	52	OVR	10	2	0	0	5	17	1	16	0	0
JUN	82	65	74	104	45	.3	6.8	T	4.8	0	0	0	84	58	.58	63	40	SW	7	53	SCT	9	2	0	0	5	17	5	25	0	0
JUL	86	70	78	103	54	.5	10.7	.9	3.9	T	T	T	86	61	.69	68	30	SW	7	55	SCT	11	4	0	0	8	18	9	31	0	0
AUG	85	70	77	104	50	.5	17.8	T	9.8	0	0	0	87	62	.69	68	30	SW	6	64	SCT	10	3	0	0	7	21	7	30	0	0
SEP	80	65	72	97	47	.4	11.5	.2	5.0	0	0	0	84	61	.58	63	35	NE	9	78	SCT	7	2	0	0	3	19	2	23	0	0
OCT	70	54	62	95	29	.3	10.0	T	6.0	0	0	0	81	59	.39	52	50	N	9	53	OVR	7	2	0	0	1	17	#	9	#	0
NOV	61	44	53	84	22	.3	7.5	T	4.2	T	1	1	77	57	.27	42	55	N	9	49	OVR	8	2	#	0	1	15	0	3	3	0
DEC	53	36	44	83	8	.3	5.8	.6	2.1	1	12	8	75	59	.19	34	60	N	9	49	OVR	9	2	#	#	#	13	0	#	13	#
ANN	68	51	60	104	-3	4.3	62.3	28.1	9.8	7	43	12	80	58	.39	52	55	SW	8	78	OVR	110	29	3	2	36	192	26	149	53	2
POR	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	39	43	43	43	43	43	43	43	43	43	43	43

NOTES :

T = TRACE AMOUNTS (< .05, < .5 INCHES

= MEAN NO. DAYS < .5 DAYS

$ = PRESSURE ALTITUDE IN TENS OF FEET (I.E., 50 = 500 FEET)

@ = NAVY STATIONS REPORTED HAIL AS SNOWFALL
NWS STATIONS REPORTED HAIL AS SNOWFALL FOR THE PERIOD JULY 1948-DECEMBER 1955.

+ = THE PREDOMINANT SKY CONDITION

* = VISIBILITY IS NOT CONSIDERED

& = ANNUAL TOTALS MAY DIFFER FROM THE SUM OF THE MONTHLY VALUES BECAUSE OF ROUNDING

~ = 24 HOUR MAXIMUM PRECIPITATION AND SNOWFALL ARE DAILY TOTAL VALUES (MID-NIGHT TO MID-NIGHT TOTALS).

***** = A STAR FILLED FIELD -- DATA NOT AVAILABLE