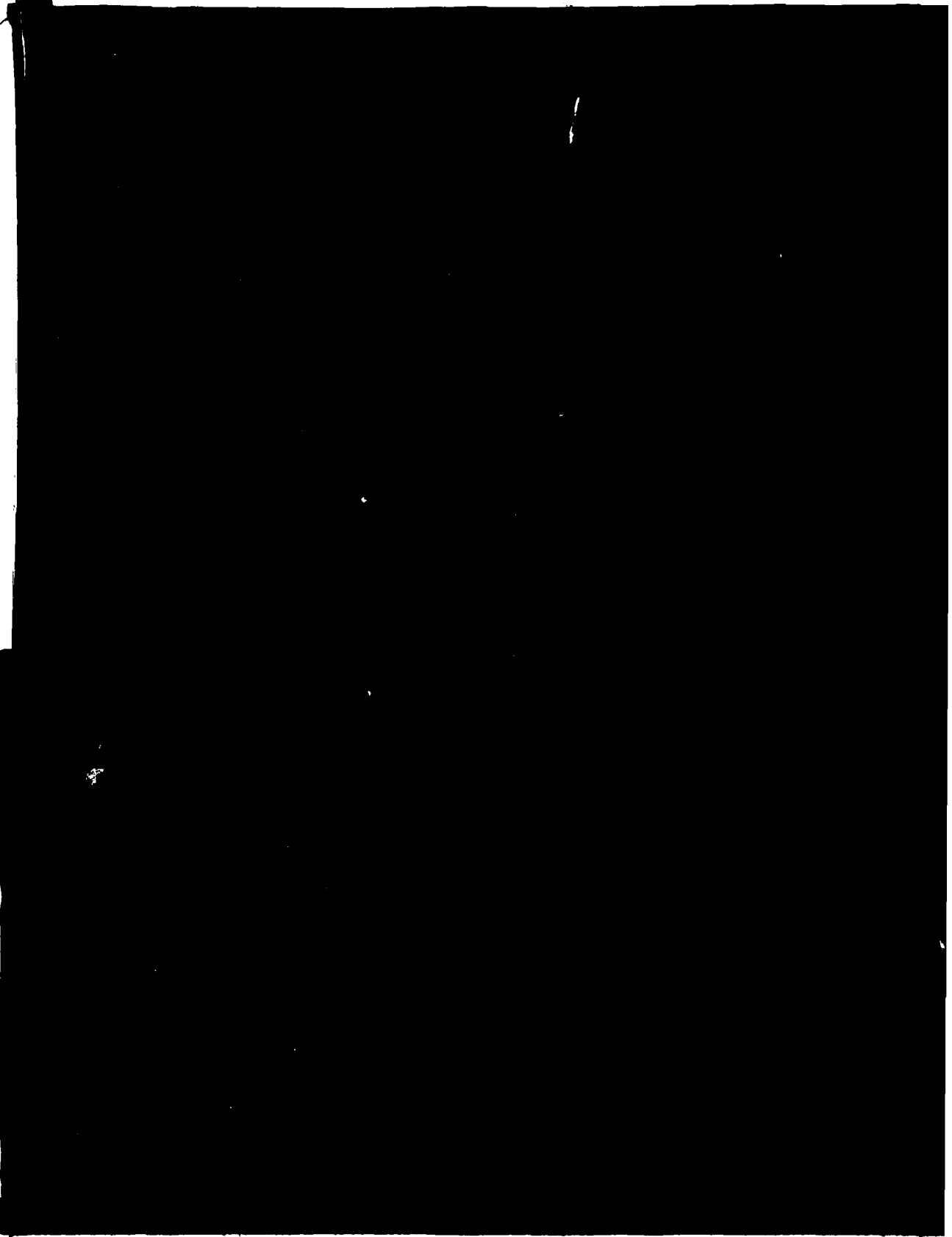
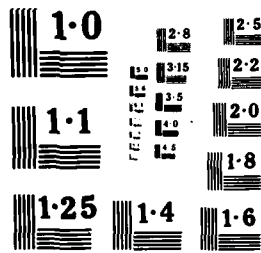




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"LIMITED SURFACE OBSERVATIONS"
CLIMATIC SUMMARY "HCOCS"

REPORT NUMBER: 1102 #616410
14 24 017 30 DELE: 99 75
PERIOD: 01, 03, 06, 09, 12, 15, 18, 21
PERIOD OF HCOCS:
CUMULATIVE OBSERVATIONS: 210 75 - 194 75
SUMMARY OF DATA: NONE
INFO. SOURCE: [unclear] TO [unclear] BY [unclear]

06 SEP 1985

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FOR THE COMMANDER

Wayne E. McCollom

WAYNE E. MCCOLLOM
Chief, Document Research Section
USAFETAC/LDX

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SECURITY CLASSIFICATION OF THIS PAGE

AD-2159 b5c

REPORT DOCUMENTATION PAGE

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| FIELD | GROUP | SUB GROUP | |
| 04 | 02 | | |
| 19 ABSTRACT (Continue on reverse if necessary and identify by block number) A statistical data summary of surface weather observation climatology for: DAKAR SENEGAL. This summary is similar to the Revised Uniform Summary of Surface Weather Observations (RUSSWC), but is based on data collected from limited-duty weather observing stations; i.e., those that take weather observations less than 24 hours a day, 7 days a week. The summary is in five parts: PART A, Weather Conditions and Atmospheric Phenomena; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; and PART F, Pressure Summaries. Note that PART B, Precipitation, is omitted. See USAFETAC/TN-83/001 (AD-AL32186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWOs), for complete descriptions of contents and instructions for use. | | | |
| 20. DISTRIBUTION / AVAILABILITY OF ABSTRACT <input type="checkbox"/> UNCLASSIFIED/UNLIMITED <input checked="" type="checkbox"/> SAME AS RPT <input type="checkbox"/> DTIC USERS | | 21 ABSTRACT SECURITY CLASSIFICATION Unclassified | |
| 22a. NAME OF RESPONSIBLE INDIVIDUAL Marie Wakefield | | 22b. TELEPHONE (Include Area Code) (618) 256-2625 | 22c. OFFICE SYMBOL USAFETAC/LDD |

DD FORM 1473, 84 MAR

83 APR edition may be used until exhausted. All other editions are obsolete.

SECURITY CLASSIFICATION OF THIS PAGE

UNCLASSIFIED

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18. Subject terms cont.

| | | | |
|---------------------|---------------|--------------------|------------|
| winds | precepitation | temperature | visibility |
| barometric pressure | | relative humidity | |
| sky cover | | psychrometric data | ceiling |

Limited Surface Observations Climatic Summary
LISOCS

DAKAR SENEGAL

SG 616410

UNCLASSIFIED

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The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

| | |
|-------------|---|
| Approved by | ✓ |
| Date | |
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| Signature | |
| Comments | |

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5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

✓
LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARIES
(LISOCs)

DEFINITION: A RUSSWO-like set of summaries of hourly observations for the station's normal operating hours.

Hourly Observations: Those record or record-special observations recorded at established hourly intervals.

General Comments:

1. The hourly data are screened to exclude extraneous or occasional hours outside the normal observing hours.
2. A brief description precedes each summary.
3. Summaries containing "TOTALS" and "ALL HOURS" are only from the hours summarized. These values are representative only for the operating hours.
4. The monthly and annual "ALL HOURS" summaries are not presented because they are not representative, and would result in meaningless or biased values.
5. There are no "Sky Cover" nor "Sea Level Pressure" summaries for METAR stations.

Table of Contents: AWS Form 2 "Station History"

- Part 1: Weather Conditions
- Part 2: Surface Winds
- Part 3: Ceiling Versus Visibility; Sky Cover
- Part 4: Daily High, Low, Mean Temperatures; Max High and Min Low Temperatures; Psychrometric Tables; Mean and Standard Deviation of Temperatures; Relative Humidity
- Part 5: Station Pressure; Sea Level Pressure

Standard 3-Hour Groups: All summaries having diurnal variations are summarized in 3-hour periods corresponding to the following sets of hourly observations and limited to normal observation reporting hours (LST):

| | |
|-----------|-----------|
| 0000-0200 | 1200-1400 |
| 0300-0500 | 1500-1700 |
| 0600-0800 | 1800-2000 |
| 0900-1100 | 2100-2300 |

Note that the first and last hour groups may or may not contain all three hours. See hours summarized on front cover to determine which hours are included in these two hour groups.

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THIS LISOCS WAS PRODUCED USING DATA OBTAINED FROM INDIGENOUS OBSERVATIONS TRANSMITTED OVER WEATHER COMMUNICATION NETWORKS. FORM 10/10A (OR THEIR EQUIVALENT) WERE NOT AVAILABLE TO CHECK DATA ACCURACY. HOWEVER, INTER AND INTRA OBSERVATIONAL CONTINUITY AND CONSISTENCY CHECKS WERE CONDUCTED BY PROCESSING THE DATA THROUGH OUR AUTOMATED QUALITY ASSURANCE PROCEDURES. THESE SUMMARIES ARE CONSIDERED ACCURATE AND REPRESENTATIVE WITHIN DATA AVAILABILITY LIMITATIONS.

THE AVAILABLE DATA FOR SUMMARIZATION CONSISTED ONLY OF 3-HOURLY SYNOPTIC OBSERVATIONS, I.E., 00, 03, 06, 09, 12, 15, 18, 21. THEREFORE, THE 3-HOURLY TIME GROUP CONSISTS OF ONE OBSERVATION ONLY, E.G., THE 00-02 LST TIME GROUP CONTAINS ONLY THE AVAILABLE 00 LST OBSERVATION. THESE SUMMARIES, THEREFORE, ARE BASED ON MUCH LOWER THAN NORMAL OBSERVATION COUNTS. NOTE THAT OBSERVATION COUNTS LESS THAN 310 IN ANY TIME GROUP INDICATE MISSING OBSERVATIONS. ALL USERS MUST CAREFULLY CONSIDER THESE OBSERVATION COUNTS WHEN USING THE SUMMARIZED DATA TO ARRIVE AT MEANINGFUL AND REPRESENTATIVE CONCLUSIONS.

NO EXTREME DATA IS INCLUDED IN THIS LISOCS BECAUSE:

NO FORMS 10/10A WERE AVAILABLE TO OBTAIN THIS DATA.

SUMMARY OF DAY DATA IS NOT TRANSMITTED OVER THE WEATHER COMMUNICATIONS NETWORK.

WITH ONLY 3-HOURLY OBSERVATIONS AVAILABLE FOR SUMMARIZATION, THE HOURLY OBSERVATIONS COULD NOT BE USED TO EXTRACT EXTREME VALUES.

WE RECOMMEND THAT THESE SUMMARIES NOT BE GIVEN TO CUSTOMERS WITHOUT INTERPRETATION BY A METEOROLOGIST.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WEATHER CONDITIONS

1

PART 1

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented by month by the available 3-hour groups.

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

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

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

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

Hail--Occurrences of hail.

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 sum of the individual categories may exceed the percentage of the observations with precip.

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

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

Blowing snow--Occurrences of blowing snow.

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

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

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.

Continued on Reverse

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NOTE: 1. For METAR stations beginning Jan 68 and Synoptic reporting stations, only the highest order of atmospheric phenomena was reported, recorded on the AWS Forms 10a, and transmitted longline. Beginning Jan 70, METAR stations recorded all atmospheric phenomena on the AWS Form 10a, but transmitted longline only the highest order. For example, if the observation consisted of rain, fog and smoke, only the rain was transmitted longline. Our data base, as a result, contains only rain for that observation. Because of these reporting procedures the summaries for METAR and Synoptic reporting stations are highly questionable in the hourly summaries. This primarily effects the obstruction to vision columns, but may also have minor effects on the precipitation columns.

2. When the value of ".0" appears in the summaries, it represent one or more occurrences amounting to less than .05 percent.

GENERAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

61041 STATION 6AKAR SENEGAL STATION NAME 76-85 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBS | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| JAN | 03-05 | | .8 | | | | .8 | 10.7 | 30.7 | | 1.1 | 42.3 | 475 |
| | 07-10 | | .5 | | | | .5 | 20.7 | 30.8 | | 1.6 | 51.5 | 377 |
| | 06-08 | | | | | | | 17.6 | 31.4 | | 1.7 | 50.0 | 472 |
| | 09-11 | .2 | .7 | | | | .7 | 5.4 | 43.2 | | 1.5 | 49.6 | 405 |
| | 12-14 | | 1.3 | | | | 1.3 | .8 | 41.4 | | 2.1 | 43.9 | 471 |
| | 15-17 | .2 | .7 | | | | .7 | .5 | 44.1 | | 2.8 | 46.9 | 422 |
| | 18-20 | | 1.0 | | | | 1.0 | 1.5 | 41.2 | | 2.5 | 45.2 | 480 |
| | 21-23 | .3 | 1.6 | | | | 1.6 | 3.1 | 41.1 | | 2.1 | 46.3 | 387 |
| TOTALS | | .1 | .8 | | | | .8 | 7.5 | 38.1 | | 1.9 | 47.0 | 3489 |

CENTRAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

61610 AKAB SENEGAL STATION NAME 76-85 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|-------|-------|----------------|---------------------|----------------------------|-------------------|------|----------------------|------|-------------------|--------------|------------------|------------------------------|------------------|
| FEB | 00-05 | .0 | | | | | | 15.5 | 23.7 | | .2 | 38.8 | 464 |
| | 06-11 | .0 | | | | | | 25.9 | 21.6 | | | 47.2 | 394 |
| | 12-17 | .2 | | | | | | 24.6 | 18.7 | | | 42.8 | 460 |
| | 18-23 | | .5 | | | | .5 | 6.0 | 34.0 | | | 39.5 | 400 |
| | 24-29 | | | | | | | .2 | 34.2 | | .2 | 34.4 | 456 |
| | 30-01 | | | | | | | | 34.9 | | | 34.9 | 424 |
| | 02-07 | | | | | | | 1.3 | 34.6 | | .4 | 36.1 | 462 |
| | 08-13 | .3 | .5 | | | | .5 | 4.9 | 33.6 | | | 38.5 | 387 |
| | 14-19 | | | | | | | | | | | | |
| | 20-25 | | | | | | | | | | | | |
| | 26-01 | | | | | | | | | | | | |
| TOTAL | | | .1 | | | | .1 | 9.8 | 29.4 | | .1 | 39.0 | 3447 |

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAO

STATION NUMBER: 618411 STATION NAME: JAKAR SENEGAL

PERIOD OF RECORD: 76-85
 MONTH: JAN HOURS(EST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | | |
| N | 2.5 | 6.4 | 14.9 | 3.5 | | | | | | | 24.3 | 3.3 |
| NNE | 2.3 | 5.6 | 25.1 | 9.9 | 2.8 | | | | | | 41.5 | 7.9 |
| NE | | 3.5 | 15.3 | 8.8 | | | | | | | 21.5 | 7.3 |
| NNE | | 1.3 | 1.6 | 2.3 | | | | | | | 5.2 | 2.7 |
| E | | 2.3 | | | | | | | | | 2.3 | 5.0 |
| ESE | | | | | | | | | | | | |
| SE | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | |
| S | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | |
| SW | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | |
| W | | | | | | | | | | | | |
| WNW | | | 2.3 | | | | | | | | 2.3 | 4.0 |
| W | | | 2.8 | | | | | | | | 2.8 | 4.0 |
| NW | 2.3 | 2.5 | 1.9 | 1.1 | | | | | | | 5.7 | 3.5 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 3.7 | //// |
| TOTALS | 1.1 | 16.7 | 55.3 | 19.5 | 2.8 | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS: 375

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: 04449 SENEGAL

PERIOD OF RECORD: 76-85
 MONTH: JAN HOURS(LEST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | .2 | 7.9 | 17.4 | 5.3 | .2 | | | | | | | 31.0 | 3.4 |
| NNE | | 6.4 | 25.5 | 4.5 | .5 | | | | | | | 42.0 | 3.2 |
| NE | | 3.6 | 8.7 | 3.0 | .4 | | | | | | | 15.7 | 3.0 |
| ENE | | 1.7 | .8 | .4 | | | | | | | | 3.0 | 2.5 |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | .2 | | | | | | | | | | .2 | 5.0 |
| SW | | | | .2 | | | | | | | | .2 | 13.0 |
| WSW | | .2 | | | | | | | | | | .2 | 4.0 |
| W | | | | | | | | | | | | | |
| WNW | | .4 | | .2 | | | | | | | | .6 | 3.3 |
| NW | | .8 | .2 | | | | | | | | | 1.1 | 5.8 |
| NNW | | 1.5 | 2.3 | .4 | | | | | | | | 4.2 | 2.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.7 | //// |
| TOTALS | .2 | 22.7 | 36.1 | 18.0 | 1.3 | | | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS: 471

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SURFACE WINDS

PART 2

Presented in this part are various tabulations of surface winds as follows:

Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm vs 11 wind speed (knots) increments in Beaufort classifications. Percentages are shown for both directions and speed, and in addition the mean wind speed is given 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 VRBL.

These tables are prepared for all years combined, by month by available 3-hour groups.

A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

61641 STATION DIAKAR SENEGAL STATION NAME 75-85 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBS. | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|---------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| JAN | ALL | .1 | .6 | | | | .8 | 7.5 | 38.0 | | 1.9 | 47.0 | 3489 |
| FEB | | .1 | .1 | | | | .1 | 9.8 | 29.4 | | .1 | 39.0 | 3447 |
| MAR | | .1 | .2 | | | | .2 | 12.7 | 25.0 | | .1 | 37.6 | 3612 |
| APR | | | .1 | | | | .1 | 15.5 | 15.9 | | .1 | 31.4 | 3544 |
| MAY | | | .1 | | | | .1 | 10.7 | 18.1 | | .1 | 28.6 | 3774 |
| JUN | | .2 | .8 | | | | .8 | 2.6 | 6.5 | | | 9.1 | 3289 |
| JUL | | 1.2 | 2.4 | | | .0 | 2.4 | .7 | .6 | | .1 | 1.3 | 3778 |
| AUG | | 1.9 | 3.9 | | | | 3.9 | .3 | .4 | | .0 | .8 | 3624 |
| SEP | | 2.1 | 3.5 | | | .1 | 3.6 | 1.9 | 3.5 | | .0 | 5.3 | 3493 |
| OCT | | .5 | 1.2 | | | | 1.2 | 5.3 | 11.0 | | .1 | 16.2 | 3650 |
| NOV | | .1 | .4 | | | .0 | .4 | 4.6 | 9.6 | | .2 | 14.4 | 3413 |
| DEC | | | .3 | | | | .3 | 10.1 | 27.0 | | 1.0 | 37.7 | 3579 |
| TOTALS | | .5 | 1.2 | | | .0 | 1.2 | 6.8 | 15.4 | | .3 | 22.4 | 42692 |

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

616410
 STATION

AKAN SENEGAL
 STATION NAME

75-84
 YEARS

DEC
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS EST. | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|---------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| D.C. | 0-07 | | .4 | | | | .4 | 18.4 | 15.6 | | .4 | 33.9 | 495 |
| | 08-09 | | .5 | | | | .5 | 24.3 | 19.9 | | 2.1 | 45.5 | 382 |
| | 10-10 | | .8 | | | | .8 | 18.9 | 19.5 | | 1.0 | 39.1 | 481 |
| | 11-11 | | .2 | | | | .2 | 6.0 | 32.3 | | 1.4 | 38.8 | 430 |
| | 12-14 | | | | | | | .2 | 35.0 | | 1.3 | 36.3 | 471 |
| | 15-17 | | | | | | | | 35.1 | | 1.4 | 36.3 | 441 |
| | 18-20 | | | | | | | 3.0 | 31.5 | | .4 | 34.8 | 492 |
| | 21-23 | | .5 | | | | .5 | 9.6 | 27.4 | | | 37.0 | 387 |
| TOTALS | | | .5 | | | | .3 | 10.1 | 27.0 | | 1.0 | 37.7 | 3579 |

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

616410 STATION DAKAR SENEGAL STATION NAME 75-84 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| NOV | 00-02 | | .4 | | | | .4 | 8.7 | 3.9 | | | 12.6 | 461 |
| | 03-05 | | | | | | | 11.1 | 4.1 | | | 15.2 | 389 |
| | 06-08 | | .4 | | | | .4 | 10.9 | 6.1 | | | 17.0 | 458 |
| | 09-11 | | .5 | | | | .5 | 2.4 | 13.7 | | | 16.1 | 410 |
| | 12-14 | | .4 | | | | .4 | | 12.6 | | .2 | 13.0 | 468 |
| | 15-17 | | .2 | | | | .2 | | 14.2 | | .7 | 14.9 | 402 |
| | 18-20 | .2 | .4 | | | .2 | .7 | .2 | 13.6 | | | 13.8 | 455 |
| | 21-23 | .3 | .5 | | | | .5 | 3.5 | 8.6 | | .3 | 12.4 | 370 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | .4 | | | .0 | .4 | 4.6 | 9.6 | | .2 | 14.4 | 3413 |

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

61641 STATION DAKAR SENEGAL STATION NAME 75-84 YEARS OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBS. TO VISION | TOTAL NO OF OBS |
|--------|-------------|----------------|---------------------|----------------------------|-------------------|------|-----------------------|------|-------------------|--------------|------------------|------------------------------|-----------------|
| OCT | 00-01 | .2 | .8 | | | | .8 | 6.8 | 7.6 | | | 14.2 | 487 |
| | 03-05 | 1.5 | 1.7 | | | | 1.7 | 11.8 | 7.4 | | | 19.0 | 406 |
| | 06-08 | .4 | 1.6 | | | | 1.6 | 13.2 | 3.8 | | | 17.0 | 500 |
| | 09-11 | | 2.1 | | | | 2.1 | 4.4 | 13.8 | | | 17.6 | 427 |
| | 12-14 | .8 | 1.2 | | | | 1.2 | | 15.3 | | .2 | 15.5 | 491 |
| | 15-17 | .2 | .5 | | | | .5 | .2 | 16.7 | | .2 | 17.1 | 444 |
| | 18-20 | .6 | .8 | | | | .8 | 1.2 | 12.8 | | | 14.0 | 492 |
| | 21-23 | .5 | .7 | | | | .7 | 4.5 | 10.9 | | | 15.4 | 403 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .5 | 1.2 | | | | 1.2 | 5.3 | 11.0 | | .1 | 16.2 | 3650 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

616410 STATION DAKAR SENEGAL STATION NAME 75-84 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| SEP | 00-02 | 3.2 | 3.6 | | | | 3.6 | 2.1 | 1.5 | | | 3.6 | 468 |
| | 03-05 | 2.4 | 3.5 | | | .3 | 3.7 | 3.5 | 2.7 | | | 6.1 | 374 |
| | 06-08 | 1.9 | 5.8 | | | | 5.8 | 4.9 | 1.1 | | | 5.8 | 465 |
| | 09-11 | 1.2 | 3.3 | | | | 3.3 | 2.9 | 5.5 | | | 7.6 | 421 |
| | 12-14 | 1.5 | 3.7 | | | | 3.7 | .2 | 5.8 | | | 6.0 | 464 |
| | 15-17 | 1.2 | 1.6 | | | | 1.6 | .2 | 4.2 | | | 4.4 | 433 |
| | 18-20 | 2.8 | 3.2 | | | | 3.2 | .6 | 4.1 | | | 4.7 | 466 |
| | 21-23 | 2.5 | 3.5 | | | .2 | 3.7 | 1.0 | 2.7 | | .2 | 4.0 | 402 |
| TOTALS | | 2.1 | 3.5 | | | .1 | 3.6 | 1.9 | 3.5 | | .0 | 5.3 | 3493 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

686410 STATION AKAR SENEGAL STATION NAME 75-84 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS. |
|--------|----------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| AUG | 00-02 | 2.1 | 5.2 | | | | 5.2 | .6 | | | | .6 | 484 |
| | 03-05 | .9 | 1.8 | | | | 1.8 | 1.1 | | | | 1.1 | 437 |
| | 06-08 | 1.8 | 5.5 | | | | 5.5 | .8 | .2 | | | 1.0 | 489 |
| | 09-11 | .5 | 2.2 | | | | 2.2 | | 1.0 | | | 1.0 | 413 |
| | 12-14 | .2 | 5.3 | | | | 5.3 | | .8 | | | .8 | 476 |
| | 15-17 | 2.6 | 3.7 | | | | 3.7 | | .7 | | | .7 | 428 |
| | 18-20 | 3.3 | 2.5 | | | | 2.5 | | .6 | | .2 | .8 | 479 |
| | 21-23 | 3.8 | 5.0 | | | | 5.0 | | | | | | 418 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.9 | 3.9 | | | | 3.9 | .3 | .4 | | .0 | .8 | 3624 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

WEATHER CONDITIONS

616410 STATION BAKAR SENEGAL STATION NAME 75-84 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS EST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUL | 00-04 | 1.6 | 2.4 | | | | 2.4 | 1.4 | .2 | | | 1.6 | 500 |
| | 05-08 | 1.8 | 1.8 | | | | 1.8 | .9 | | | | .9 | 435 |
| | 09-12 | 1.2 | 4.4 | | | | 4.4 | 1.4 | | | | 1.4 | 497 |
| | 13-16 | .2 | 2.0 | | | | 2.0 | .4 | .9 | | .2 | 1.5 | 452 |
| | 17-20 | 1.0 | 1.6 | | | | 1.6 | | 1.6 | | | 1.6 | 492 |
| | 21-24 | .7 | 1.3 | | | | 1.3 | | .9 | | | .9 | 451 |
| | 25-28 | 1.4 | 3.0 | | | | 3.0 | .2 | 1.0 | | .2 | 1.4 | 496 |
| | 29-31 | .7 | 2.4 | | | .2 | 2.6 | .9 | .4 | | | 1.3 | 455 |
| TOTALS | | 1.2 | 2.4 | | | .0 | 2.4 | .7 | .6 | | .1 | 1.3 | 3778 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

616410 STATION JAKAR SENEGAL STATION NAME 75-84 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| JUN | 00-02 | .7 | 1.6 | | | | 1.6 | 3.8 | 3.8 | | | 7.7 | 443 |
| | 03-05 | | 1.7 | | | | 1.7 | 5.0 | 4.7 | | | 9.8 | 358 |
| | 06-08 | .2 | .9 | | | | .9 | 6.6 | 3.4 | | | 9.8 | 438 |
| | 09-11 | | .3 | | | | .3 | 1.8 | 8.1 | | | 9.9 | 384 |
| | 12-14 | .2 | .2 | | | | .2 | | 7.1 | | | 7.1 | 848 |
| | 15-17 | | .5 | | | | .5 | | 10.3 | | | 10.3 | 387 |
| | 18-20 | | .2 | | | | .2 | .7 | 8.9 | | | 9.6 | 429 |
| | 21-23 | .7 | 1.2 | | | | 1.2 | 3.0 | 5.7 | | | 8.2 | 402 |
| TOTALS | | .2 | .8 | | | | .8 | 2.6 | 6.5 | | | 9.1 | 3289 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

01010 STATION DAKAR SENEGAL STATION NAME 76-85 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS. |
|--------|----------------|-------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| MAY | 00-02 | | | | | | | 17.3 | 12.5 | | | 29.4 | 504 |
| | 03-05 | | .2 | | | | .2 | 25.3 | 8.1 | | | 33.0 | 443 |
| | 06-08 | | | | | | | 25.1 | 7.7 | | | 31.8 | 494 |
| | 09-11 | | .2 | | | | .2 | 4.6 | 22.1 | | | 26.7 | 439 |
| | 12-14 | | | | | | | | 24.7 | | .2 | 24.9 | 493 |
| | 15-17 | | | | | | | .4 | 24.7 | | .2 | 25.3 | 458 |
| | 18-20 | | | | | | | 1.8 | 26.3 | | | 28.1 | 494 |
| | 21-23 | | .2 | | | | .2 | 11.1 | 18.9 | | | 29.6 | 449 |
| TOTALS | | | .1 | | | | .1 | 10.7 | 18.1 | | .1 | 28.6 | 3774 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

61641 STATION DAKAR SENEGAL STATION NAME 76-85 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LSZ | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|--------------|-------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| APR | 00-02 | | | | | | | 26.2 | 9.2 | | | 34.9 | 478 |
| | 03-05 | | .2 | | | | .2 | 35.7 | 7.9 | | | 43.6 | 406 |
| | 06-08 | | | | | | | 34.2 | 7.3 | | | 41.3 | 465 |
| | 09-11 | | | | | | | 8.6 | 16.6 | | | 25.0 | 428 |
| | 12-14 | | | | | | | .2 | 22.7 | | .2 | 23.1 | 454 |
| | 15-17 | | | | | | | | 25.2 | | .2 | 25.5 | 436 |
| | 18-20 | | | | | | | 4.3 | 24.8 | | | 29.2 | 463 |
| | 21-23 | | .2 | | | | .2 | 15.0 | 13.5 | | | 28.5 | 414 |
| TOTALS | | | .1 | | | | .1 | 15.5 | 15.9 | | .1 | 31.4 | 3544 |

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

616410
STATION

DIAKAR SENEGAL
STATION NAME

76-85
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|----------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| Mar | 00-01 | | | | | | | 20.9 | 18.5 | | | 39.0 | 487 |
| | 03-04 | | | | | | | 27.0 | 15.4 | | | 41.3 | 429 |
| | 06-08 | .2 | | | | | | 30.1 | 11.7 | | .2 | 41.8 | 479 |
| | 09-11 | .5 | .7 | | | | .7 | 9.4 | 23.9 | | | 33.1 | 426 |
| | 12-14 | | | | | | | .4 | 35.9 | | | 36.3 | 465 |
| | 15-17 | | | | | | | | 33.0 | | .5 | 33.4 | 437 |
| | 18-20 | | .2 | | | | .2 | 4.8 | 34.0 | | .2 | 39.0 | 479 |
| | 21-23 | .5 | 1.0 | | | | 1.0 | 9.3 | 27.3 | | | 36.6 | 410 |
| TOTALS | | .2 | .2 | | | | .2 | 12.7 | 25.0 | | .1 | 37.6 | 3612 |

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-85
 MONTH: JAN HOURS/DAY: 0600-2400

| DIRECTION (OF OBS) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL # | MEAN WIND | |
|-----------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 55 |
| N | .6 | 6.0 | 11.5 | 3.9 | | | | | | | | 22.0 | 3.3 |
| NNE | .4 | 3.8 | 19.6 | 9.3 | .9 | | | | | | | 33.7 | 7.9 |
| NE | .4 | 1.7 | 17.7 | 6.0 | .6 | .2 | | | | | | 26.7 | 10.0 |
| ENE | .2 | 2.1 | 4.1 | 1.5 | .2 | | | | | | | 8.1 | 3.5 |
| E | | 1.1 | .6 | .2 | | | | | | | | 1.9 | 7.1 |
| ESE | | | .2 | .2 | | | | | | | | .4 | 10.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | .2 | | | | | | | | | | .2 | 5.0 |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | .2 | .4 | | | | | | | | | .6 | 7.7 |
| NNW | | 1.3 | 1.7 | 1.3 | | | | | | | | 4.3 | 3.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.1 | //// |
| TOTALS | 1.7 | 16.4 | 35.9 | 22.0 | 1.7 | .2 | | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS: 459

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-85
 MONTH: JAN HOURS(UT): 1900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL | MEAN WIND |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | .2 | 2.2 | 7.5 | 5.5 | | | | | | | | 15.4 | 9.5 |
| NNE | | 1.0 | 9.5 | 16.7 | 2.2 | .2 | | | | | | 29.5 | 12.1 |
| NE | | 1.5 | 12.4 | 15.4 | 1.7 | .2 | | | | | | 31.3 | 11.7 |
| NNE | | .7 | 5.5 | 3.3 | .2 | | | | | | | 9.5 | 10.6 |
| E | | .7 | 4.2 | 4.2 | .5 | | | | | | | 9.7 | 11.0 |
| ESE | | | .5 | .5 | | | | | | | | 1.0 | 10.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | .2 | | | | | | | | | .2 | 3.0 |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | .7 | | | | | | | | | | .7 | 5.7 |
| NNW | | .7 | .2 | .2 | | | | | | | | 1.2 | 7.5 |
| VARIABLE | | | | .2 | | | | | | | | .2 | 13.0 |
| CALM | //////////////////// | | | | | | | | | | | 1.0 | //// |
| TOTALS | .2 | 7.7 | 40.0 | 45.8 | 4.7 | .5 | | | | | | 100.0 | 11.1 |

TOTAL NUMBER OF OBSERVATIONS: 432

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-85
 MONTH: JAN HOURS(EST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | | |
| N | .2 | .4 | 5.2 | 16.3 | 1.7 | | | 24.5 | 12.5 |
| NNE | .4 | 1.1 | 9.1 | 23.2 | 9.8 | .2 | | 43.9 | 12.8 |
| NE | | .2 | 5.1 | 11.1 | 1.1 | .2 | | 17.7 | 12.4 |
| NNE | | .4 | 1.7 | 1.3 | .2 | | | 3.6 | 13.6 |
| E | .2 | .2 | 2.6 | 3.3 | | | | 6.3 | 13.6 |
| ESE | | .2 | .9 | 1.3 | | | | 2.3 | 11.2 |
| SE | | | .4 | | | | | .4 | 9.3 |
| SSE | | | | | | | | | |
| S | | | | | | | | | |
| SSW | | | | | | | | | |
| SW | | | | | | | | | |
| WSW | | | | | | | | | |
| W | | | | | | | | | |
| WNW | | .2 | | | | | | .2 | 5.3 |
| W | | | .4 | .2 | | | | .6 | 9.7 |
| NW | | .4 | 1.1 | 1.5 | | | | 3.3 | 13.4 |
| W | | | | | .2 | | | .2 | 12.3 |
| CALM | //////////////////// | | | | | | | .6 | //// |
| TOTALS | .9 | 3.2 | 27.4 | 57.7 | 9.8 | .4 | | 103.3 | 12.2 |

TOTAL NUMBER OF OBSERVATIONS: 470

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: JAN HOURS(EST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 55 |
| N | .2 | 1.9 | 7.2 | 55.6 | 3.3 | .5 | | | | | | 57.6 | 13.1 |
| NNE | | 1.2 | 9.6 | 13.8 | 4.1 | .2 | | | | | | 27.9 | 12.9 |
| NE | | 1.0 | 1.4 | 1.2 | .2 | | | | | | | 3.8 | 9.8 |
| ENE | | | .2 | .5 | .7 | | | | | | | 1.4 | 9.8 |
| ESE | | .2 | .2 | .2 | | | | | | | | .7 | 9.0 |
| SE | | | .2 | | | | | | | | | .2 | 9.0 |
| SSE | | | .2 | | | | | | | | | .2 | 9.0 |
| S | | | | | | | | | | | | | |
| SSW | | .2 | | | | | | | | | | .2 | 9.0 |
| SW | | | .2 | | | | | | | | | .2 | 13.0 |
| WSW | | | | | | | | | | | | | |
| W | | .2 | | | | | | | | | | .2 | 4.0 |
| WNW | | .5 | | .2 | | | | | | | | .7 | 6.3 |
| NW | | 1.4 | 1.2 | .7 | | | | | | | | 3.3 | 9.4 |
| NNW | | 1.2 | 4.3 | 4.3 | .2 | | | | | | | 13.3 | 10.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | .2 | //// |
| TOTALS | .2 | 8.1 | 24.1 | 56.8 | 9.8 | .7 | | | | | | 103.0 | 12.3 |

TOTAL NUMBER OF OBSERVATIONS: 419

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: JAN HOURS(LOCAL): 1800-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | | 0.5 | 17.7 | 26.0 | .3 | | | | | | | 47.1 | 11.2 |
| NNE | .2 | 1.2 | 12.3 | 11.2 | .6 | | | | | | | 25.5 | 11.0 |
| NE | .2 | 1.2 | 1.2 | .4 | | | | | | | | 3.1 | 7.7 |
| ENE | | | | .2 | | | | | | | | .2 | 11.0 |
| E | | .2 | | | | | | | | | | .2 | 5.0 |
| ESE | | | | .2 | | | | | | | | .2 | 14.0 |
| SE | | | | .2 | | | | | | | | .2 | 15.0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | .2 | | .2 | | | | | | .4 | 15.0 |
| SW | | | | | .2 | | | | | | | .2 | 20.0 |
| WSW | .2 | | | | | | | | | | | .2 | 5.0 |
| W | .2 | | | | | | | | | | | .2 | 2.0 |
| WNW | | 1.7 | .2 | .2 | | | | | | | | 2.1 | 5.2 |
| NW | | 1.0 | 2.1 | | | | | | | | | 3.1 | 7.6 |
| NNW | .2 | 3.7 | 5.4 | 5.9 | | | | | | | | 15.2 | 9.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.9 | //// |
| TOTALS | 1.0 | 11.7 | 39.2 | 44.4 | 1.7 | .2 | | | | | | 100.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS: 430

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 618413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75,73-85
 MONTH: JAN HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | 1.3 | 0.8 | 18.4 | 8.3 | .3 | | | | | | | 35.1 | 3.9 |
| NNE | | 5.4 | 24.7 | 10.6 | .5 | | | | | | | 39.3 | 3.8 |
| NE | | .3 | 3.9 | 1.3 | | | | | | | | 5.5 | 2.4 |
| ENE | .3 | .5 | 1.3 | | | | | | | | | 2.1 | 5.4 |
| E | | .3 | .3 | | | | | | | | | .5 | 5.5 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | .5 | | | | | | | | | | .5 | 5.0 |
| WNW | | 1.0 | | | | | | | | | | 1.0 | 5.0 |
| NW | | .5 | 1.0 | | | | | | | | | 1.6 | 7.0 |
| NNW | | 3.1 | 4.7 | 2.3 | | | | | | | | 10.1 | 3.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | 4.7 | //// |
| TOTALS | 1.6 | 16.4 | 54.3 | 22.6 | .5 | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS: 335

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: JAN HOURS(DST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | TOTAL | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | | |
| N | .4 | 4.2 | 12.5 | 13.2 | 1.0 | .1 | | 31.5 | 10.4 |
| NNE | .2 | 2.9 | 16.8 | 12.9 | 2.1 | .1 | | 34.9 | 10.9 |
| NE | .1 | 1.6 | 7.9 | 5.4 | .5 | .1 | | 15.6 | 10.4 |
| ENE | .1 | .9 | 1.8 | .9 | .1 | | | 5.7 | 9.1 |
| E | .2 | .4 | 1.0 | 1.0 | .1 | | | 2.5 | 10.2 |
| ESE | | .1 | .2 | .3 | | | | .6 | 10.7 |
| SE | | | .1 | .0 | | | | .1 | 10.5 |
| SSE | | | .0 | | | | | .1 | 8.0 |
| S | | | | | | | | | |
| SSW | | .1 | .0 | | | .0 | | .1 | 11.0 |
| SW | | | .0 | .0 | .0 | | | .1 | 14.3 |
| WSW | .0 | .1 | | | | | | .1 | 4.3 |
| W | .0 | .1 | | | | | | .1 | 4.0 |
| WNW | | .5 | .0 | .1 | | | | .6 | 5.2 |
| NW | | .7 | .7 | .1 | | | | 1.5 | 7.4 |
| NNW | .1 | 1.6 | 2.7 | 2.2 | .0 | | | 6.5 | 9.1 |
| VARIABLE | | | | .1 | | | | .1 | 12.5 |
| CALM | //////////////////// | | | | | | | 1.9 | //// |
| TOTALS | .9 | 13.1 | 43.9 | 36.1 | 3.8 | .3 | | 100.0 | 10.1 |

TOTAL NUMBER OF OBSERVATIONS: 3471

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: FEB HOURS(DLST): 0000-2200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL # | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .2 | 5.8 | 20.6 | 7.1 | | | | | | | | 33.9 | 3.7 |
| NNE | | 5.0 | 26.2 | 8.9 | .2 | | | | | | | 43.3 | 3.4 |
| NE | | 1.3 | 6.5 | .9 | | | | | | | | 8.7 | 3.8 |
| ENE | | | .2 | .2 | | | | | | | | .4 | 11.0 |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | .2 | .2 | | | | | | | | | .4 | 3.5 |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | .2 | 1.1 | 1.5 | .4 | | | | | | | | 3.2 | 7.2 |
| NNW | .4 | 1.9 | 7.1 | .9 | | | | | | | | 13.4 | 3.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.5 | //// |
| TOTALS | .9 | 15.4 | 52.3 | 18.4 | .2 | | | | | | | 133.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS: 452

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-85
 MONTH: FEB HOURS(UT): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| V | .3 | 4.6 | 14.7 | 6.7 | .3 | | | | | | | 25.5 | 7.1 |
| NNE | .3 | 4.6 | 24.9 | 10.8 | | | | | | | | 43.6 | 7.5 |
| NE | | 1.8 | 13.9 | 7.3 | | | | | | | | 18.0 | 7.2 |
| ENE | | .8 | .8 | | | | | | | | | 1.5 | 7.9 |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | .3 | .3 | | | | | | | | | .5 | 7.3 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | .3 | | | | | | | | | | | .3 | 3.0 |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | .3 | | | | | | | | | | .3 | 4.0 |
| NW | | 2.1 | .8 | | | | | | | | | 2.8 | 5.4 |
| NNW | | 1.8 | 4.4 | .8 | | | | | | | | 5.9 | 3.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.5 | //// |
| TOTALS | .8 | 16.2 | 59.6 | 20.6 | .3 | | | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS: 339

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: FEB HOURS(UTC): 0600-2300

| DIRECTION (DEGR.ES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL # | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 55 | | |
| N | | 5.3 | 15.9 | 7.3 | | | | | | | | 27.3 | 9.4 |
| NNE | | 2.8 | 19.2 | 10.5 | .2 | | | | | | | 32.7 | 9.9 |
| NF | .2 | 2.4 | 17.4 | 3.3 | | | | | | | | 23.3 | 9.1 |
| ENE | | 1.5 | 3.3 | .2 | | | | | | | | 5.0 | 7.7 |
| E | | .9 | | | | | | | | | | .4 | 5.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | .2 | | | | | | | | .2 | 3.0 |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | .4 | 1.5 | .2 | | | | | | | | 2.2 | 3.2 |
| NNW | | .7 | 5.9 | 1.3 | | | | | | | | 7.8 | 3.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.3 | //// |
| TOTALS | .2 | 11.5 | 33.4 | 23.3 | .2 | | | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS: 459

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-85
 MONTH: FEB HOURS(UT): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .3 | .5 | 9.0 | 10.0 | .5 | .3 | | | | | | 19.5 | 11.1 |
| NNE | | 2.8 | 9.8 | 17.3 | 3.5 | | | | | | | 33.3 | 11.9 |
| NE | | 2.8 | 12.8 | 11.8 | .5 | | | | | | | 27.8 | 13.5 |
| NNE | | | 4.5 | 2.0 | .3 | | | | | | | 5.3 | 10.5 |
| E | | .3 | 3.0 | 2.0 | .3 | | | | | | | 5.5 | 10.8 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | .3 | | | | | | | | | | .3 | 4.0 |
| SW | | .3 | | | | | | | | | | .3 | 4.0 |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | .3 | | | | | | | | | | .3 | 4.0 |
| NW | .3 | .3 | .3 | .3 | | | | | | | | 1.0 | 7.0 |
| NNW | | 1.0 | 2.3 | 1.8 | | | | | | | | 5.0 | 9.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | .3 | //// |
| TOTALS | .5 | 8.3 | 40.6 | 45.1 | 5.0 | .3 | | | | | | 100.0 | 13.9 |

TOTAL NUMBER OF OBSERVATIONS: 379

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-85
 MONTH: FEB HOURS(LOCAL): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 51-55 |
| N | .4 | 2.0 | 6.4 | 19.1 | 2.4 | .2 | | | | | | 32.5 | 11.9 |
| NNE | .2 | 3.7 | 11.0 | 24.2 | 5.3 | .4 | | | | | | 44.5 | 12.4 |
| NE | | .9 | 4.2 | 6.8 | 1.1 | | | | | | | 13.0 | 11.6 |
| ENE | | | .2 | .2 | | | | | | | | .4 | 13.0 |
| E | | .2 | 2.0 | .7 | | | | | | | | 2.9 | 13.0 |
| ESE | | | .7 | .7 | | | | | | | | 1.3 | 11.0 |
| SE | | .2 | .2 | | | | | | | | | .4 | 0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | .2 | .2 | | | | | | | | | .4 | 7.0 |
| SW | | .2 | .2 | | | | | | | | | .4 | 3.0 |
| WSW | | | | | | | | | | | | | |
| W | | .2 | | | | | | | | | | .2 | 5.0 |
| WNW | | | .2 | | | | | | | | | .2 | 13.0 |
| NW | | .2 | .2 | .4 | | | | | | | | .9 | 11.3 |
| NNW | | .2 | 1.1 | 3.1 | | | | | | | | 4.4 | 11.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | .2 | //// | |
| TOTALS | .7 | 8.1 | 26.6 | 54.9 | 9.8 | .7 | | | | | | 100.0 | 11.9 |

TOTAL NUMBER OF OBSERVATIONS: 455

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: FEB HOURS(UT+1): 1500-1700

| DIRECTION (DEGR-EST) | WIND SPEED IN KNOTS | | | | | | | TOTAL % | MEAN WIND |
|-------------------------|----------------------|------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | 31-40 | | |
| N | | 1.9 | 9.5 | 31.3 | 3.8 | .7 | | 47.3 | 15.2 |
| NNE | | .7 | 3.8 | 15.3 | 3.8 | | | 23.5 | 13.3 |
| NE | | .2 | | | | | | .2 | 5.0 |
| ENE | | | | | | | | | |
| E | | | | .2 | | | | .2 | 11.0 |
| ESE | | | | | | | | | |
| SE | | | | | | | | | |
| SSE | | | | | | | | | |
| S | | | | .2 | | | | .2 | 11.0 |
| SSW | | .2 | | .2 | | | | .5 | 9.0 |
| SW | | .2 | .2 | | | | | .5 | 7.0 |
| WSW | | | | | | | | | |
| W | | | | | | | | | |
| WNW | | 1.0 | .5 | .5 | | | | 1.9 | 7.8 |
| NW | .5 | 2.6 | 1.2 | 2.4 | | | | 5.7 | 9.5 |
| NNW | .2 | 3.6 | 8.4 | 6.0 | | | | 19.1 | 9.5 |
| VARIABLE | | | | | | | | | |
| CALM | //////////////////// | | | | | | | .7 | //// |
| TOTALS | .7 | 10.5 | 25.6 | 56.1 | 7.6 | .7 | | 100.0 | 12.0 |

TOTAL NUMBER OF OBSERVATIONS: 419

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 61543 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: FEB HOUR(S): 1800-2100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .2 | 1.7 | 13.9 | 25.9 | .7 | | | | | | | 43.4 | 11.5 |
| NNE | | | 5.9 | 9.3 | 1.7 | | | | | | | 15.9 | 12.4 |
| NE | | .2 | .2 | .4 | | | | | | | | .9 | 10.0 |
| NNE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | .4 | | | | | | | | | .4 | 9.0 |
| SW | | | .2 | | | | | | | | | .2 | 9.0 |
| WSW | | .4 | | | | | | | | | | .4 | 5.0 |
| W | | .2 | | | | | | | | | | .2 | 4.0 |
| WNW | | 1.1 | .9 | .7 | | | | | | | | 2.5 | 9.2 |
| NW | .2 | 1.1 | 4.8 | 4.6 | | | | | | | | 10.5 | 9.7 |
| NW | | 3.5 | 10.2 | 7.8 | .2 | | | | | | | 21.7 | 9.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.5 | //// |
| TOTALS | .4 | 8.2 | 36.4 | 49.7 | 2.6 | | | | | | | 100.0 | 13.6 |

TOTAL NUMBER OF OBSERVATIONS: 431



GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-83
 MONTH: APR HOUR(S): 0500-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .9 | 5.0 | 21.0 | 21.0 | 1.1 | | | | | | | 48.9 | 10.4 |
| NNE | | .6 | 6.5 | 7.1 | .5 | | | | | | | 14.9 | 11.1 |
| NNE | | | 1.5 | .6 | | | | | | | | 2.2 | 13.0 |
| ENE | | .2 | .6 | | | | | | | | | .9 | 7.3 |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | .2 | | | | | | | | | | | .2 | 3.0 |
| SW | .2 | | | | | | | | | | | .2 | 2.0 |
| WSW | .2 | .4 | | | | | | | | | | .6 | 3.3 |
| W | .2 | .6 | | .2 | | | | | | | | 1.1 | 5.6 |
| WNW | | .4 | .2 | .2 | | | | | | | | .9 | 5.5 |
| NW | | 1.9 | 3.2 | 1.1 | | | | | | | | 5.3 | 7.8 |
| NNW | .2 | 3.5 | 12.8 | 5.8 | | | | | | | | 22.3 | 9.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 1.5 | //// | |
| TOTALS | 1.9 | 12.8 | 45.9 | 36.1 | 1.7 | | | | | | | 103.0 | 9.7 |

TOTAL NUMBER OF OBSERVATIONS: 452



GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: APR HOURS(ULST): 0000-0000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .2 | 5.4 | 16.8 | 17.3 | .2 | | | | | | | 39.8 | 13.2 |
| NNE | .2 | 2.5 | 5.2 | 6.4 | .5 | | | | | | | 14.8 | 10.5 |
| NE | | | .7 | .2 | | | | | | | | 1.0 | 2.3 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | .2 | | | | | | | | | | | .2 | 3.0 |
| SSW | | .5 | | | | | | | | | | .5 | 5.0 |
| SW | | | | | | | | | | | | | |
| WSW | .2 | .2 | | | | | | | | | | .5 | 3.0 |
| W | .2 | .2 | | | | | | | | | | .5 | 4.0 |
| WNW | | 1.2 | | .2 | | | | | | | | 1.5 | 5.0 |
| NW | | 3.2 | 4.0 | .7 | | | | | | | | 7.9 | 7.5 |
| NNW | .5 | 4.0 | 20.5 | 7.2 | | | | | | | | 32.1 | 24.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 1.2 | //// | |
| TOTALS | 1.7 | 17.3 | 47.2 | 31.9 | .7 | | | | | | | 100.0 | 24.4 |

TOTAL NUMBER OF OBSERVATIONS: 435

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFLTAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: APR HOURS(LST): 0000-2200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-55 | | |
| N | .2 | 2.7 | 20.4 | 14.7 | .8 | | | | | | | 38.9 | 13.3 |
| NNE | | 1.1 | 4.4 | 4.4 | .4 | | | | | | | 13.3 | 11.1 |
| NE | | | 1.1 | | | | | | | | | 1.1 | 3.4 |
| ENE | | | .2 | | | | | | | | | .2 | 3.0 |
| E | | | | | | | | | | | | | |
| ESE | | .2 | | | | | | | | | | .2 | 4.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | .2 | | | | | | | | | | .2 | 3.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | 1.1 | | | | | | | | | | 1.1 | 3.4 |
| WNW | .2 | 1.5 | .4 | .2 | | | | | | | | 2.3 | 5.1 |
| NW | | 5.0 | 4.0 | 1.3 | | .2 | | | | | | 13.5 | 7.7 |
| NNW | .4 | 5.7 | 19.7 | 7.1 | | | | | | | | 33.0 | 3.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.3 | //// |
| TOTALS | .8 | 17.4 | 50.2 | 27.7 | 1.3 | .2 | | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS: 476

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-85
 MONTH: MAR HOURS(DST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN (KTS) | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|---------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .2 | 2.5 | 14.6 | 19.8 | 3.0 | .1 | | | | | | 40.2 | 11.6 |
| NNE | | .9 | 9.0 | 11.7 | 2.6 | .1 | | | | | | 24.3 | 12.1 |
| NE | .0 | .3 | 2.9 | 2.0 | .3 | | | | | | | 5.5 | 11.0 |
| NNE | .0 | .1 | .3 | .3 | .0 | | | | | | | .8 | 9.7 |
| E | | .1 | .2 | .1 | | | | | | | | .3 | 9.3 |
| ESE | | | .0 | | | | | | | | | .0 | 9.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | .1 | | | | | | | | | | .1 | 5.0 |
| SSW | .0 | .0 | .1 | | .0 | | | | | | | .2 | 9.2 |
| SW | | .1 | .0 | .0 | | | | | | | | .1 | 7.8 |
| WSW | .0 | .1 | .0 | | | | | | | | | .1 | 5.4 |
| W | .1 | .5 | .3 | | | | | | | | | .9 | 5.8 |
| WNW | .1 | 1.0 | .7 | .1 | | | | | | | | 1.9 | 5.4 |
| W | .2 | 1.8 | 3.1 | 1.6 | | | | | | | | 5.7 | 9.5 |
| WNW | .3 | 3.0 | 8.5 | 5.5 | .6 | | | | | | | 17.9 | 9.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.1 | //// |
| TOTALS | 1.0 | 10.4 | 39.7 | 41.0 | 6.6 | .2 | | | | | | 100.0 | 13.8 |

TOTAL NUMBER OF OBSERVATIONS: 3523

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 015410 STATION NAME: JAKAR GENERAL

PERIOD OF RECORD: 75-85
MONTH: MAR COURSE(S): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL # | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | .2 | 4.0 | 21.5 | 12.1 | .5 | | | | | | | 38.3 | 10.1 |
| NNE | | .2 | 9.6 | 10.8 | .7 | | | | | | | 21.3 | 11.4 |
| NE | | 1.0 | 1.2 | .2 | | | | | | | | 2.5 | 3.3 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | .2 | | | | | | | | | | .2 | 5.3 |
| W | | 1.0 | .2 | | | | | | | | | 1.2 | 5.3 |
| WNW | .2 | .7 | .5 | | | | | | | | | 1.5 | 5.2 |
| NW | | 3.5 | 3.5 | 2.0 | | | | | | | | 9.5 | 3.3 |
| NNW | | 5.7 | 13.8 | 5.9 | | | | | | | | 25.4 | 3.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.3 | //// |
| TOTALS | .5 | 16.3 | 50.4 | 30.6 | 1.2 | | | | | | | 100.0 | 9.6 |

TOTAL NUMBER OF OBSERVATIONS: 415

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-85
 MONTH: MAR HOURS(DST): 1800-2100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| N | .4 | .6 | 9.6 | 31.2 | 3.9 | | | | | | | 45.5 | 12.8 |
| NNE | | .2 | 2.5 | 7.9 | 1.0 | | | | | | | 11.7 | 12.5 |
| NE | | | .2 | .2 | | | | | | | | .4 | 11.0 |
| ENE | | | | | | | | | | | | | |
| E | | | | .2 | | | | | | | | .2 | 15.0 |
| ESE | | | .2 | | | | | | | | | .2 | 3.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | .2 | | | | | | | | | .2 | 3.0 |
| W | | .8 | .8 | | | | | | | | | 1.7 | 5.5 |
| WNW | | 1.9 | 1.0 | .2 | | | | | | | | 3.1 | 5.7 |
| W | | 2.7 | 6.3 | 4.4 | | | | | | | | 13.4 | 9.5 |
| NW | | 2.3 | 9.2 | 10.3 | 1.5 | | | | | | | 23.2 | 13.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | .2 | //// |
| TOTALS | .4 | 8.6 | 30.1 | 54.4 | 6.3 | | | | | | | 100.0 | 11.5 |

TOTAL NUMBER OF OBSERVATIONS: 478

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFLTAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-85
 MONTH: MAR HOURS(LOCAL): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL & | MEAN WIND |
|------------------------|--------------------------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 55 | | |
| N | .5 | 1.1 | 3.4 | 51.7 | 9.9 | .5 | | | | | | 47.1 | 14.3 |
| NNE | | .2 | 1.8 | 11.3 | 5.2 | | | | | | | 19.5 | 15.1 |
| NE | | | | 1.1 | | | | | | | | 1.1 | 14.2 |
| ENE | | | | | | | | | | | | | |
| E | | .2 | | | | | | | | | | .2 | 5.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | .2 | | | | | | | .2 | 20.0 |
| SW | | .2 | .2 | | | | | | | | | .5 | 5.0 |
| WSW | | | | | | | | | | | | | |
| W | | .2 | .5 | | | | | | | | | .7 | 5.7 |
| WNW | | 1.6 | 1.8 | | | | | | | | | 3.4 | 7.2 |
| NW | | 1.1 | 3.0 | 2.3 | | | | | | | | 6.4 | 9.9 |
| NNW | | .5 | 7.1 | 11.3 | 1.8 | | | | | | | 20.7 | 12.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | | //// |
| TOTALS | .5 | 5.3 | 17.9 | 57.7 | 19.2 | .5 | | | | | | 100.0 | 13.4 |

TOTAL NUMBER OF OBSERVATIONS: 435

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-83
 MONTH: MAR 40JRS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 55 | | |
| N | | 1.1 | 5.0 | 29.5 | 5.8 | | | | | | | 42.5 | 13.3 |
| NNE | | 1.3 | 5.8 | 18.1 | 7.9 | .5 | | | | | | 33.5 | 15.7 |
| NE | | .4 | 2.4 | 5.2 | 1.5 | | | | | | | 9.5 | 13.0 |
| ENE | | | .4 | .2 | | | | | | | | .5 | 9.7 |
| E | | | .2 | .2 | | | | | | | | .4 | 13.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | .2 | | | | | | | | | .2 | 9.0 |
| WNW | | .4 | .9 | | | | | | | | | 1.3 | 5.8 |
| NW | .2 | .6 | 1.7 | .6 | | | | | | | | 3.2 | 9.7 |
| NNW | | .2 | 2.8 | 4.7 | .6 | | | | | | | 3.4 | 12.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | .2 | //// |
| TOTALS | .2 | 4.1 | 20.5 | 58.6 | 15.7 | .6 | | | | | | 100.0 | 13.0 |

TOTAL NUMBER OF OBSERVATIONS: 454

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAR HOURS(UT): 0900-1100

| DIRECTION (DEGR:LS) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | | 1.2 | 11.9 | 20.0 | 2.6 | .2 | | | | | | 35.9 | 11.7 |
| NNE | | 1.0 | 8.1 | 18.1 | 4.3 | | | | | | | 31.4 | 12.9 |
| NE | | | 4.0 | 5.9 | 1.2 | | | | | | | 11.2 | 12.1 |
| NNE | .2 | .7 | 1.4 | 1.0 | .2 | | | | | | | 3.5 | 7.2 |
| E | | | 1.2 | | | | | | | | | 1.2 | 9.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | .2 | | | | | | | | | | .2 | 4.0 |
| SSW | | .2 | | | | | | | | | | .2 | 5.0 |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | .2 | .2 | | | | | | | | | | .5 | 3.5 |
| WNW | .2 | .2 | .7 | | | | | | | | | 1.2 | 7.2 |
| NW | .2 | 1.4 | 2.4 | .7 | | | | | | | | 4.9 | 7.8 |
| NNW | | 1.0 | 3.3 | 4.8 | .2 | | | | | | | 9.3 | 13.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | .1 | //// | |
| TOTALS | 1.0 | 6.2 | 53.0 | 50.4 | 8.6 | .2 | | | | | | 100.0 | 11.5 |

TOTAL NUMBER OF OBSERVATIONS: 421

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-95
 MONTH: MAR COURSE(S): 3500-3800

| DIRECTION (DEGR. ES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | A.M. WIND | |
|-------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | | 4.2 | 17.9 | 13.4 | 1.1 | | | | | | | 36.5 | 13.7 |
| NNE | | 1.9 | 15.5 | 10.1 | 2.9 | | | | | | | 27.7 | 13.4 |
| NE | | 4 | 6.9 | 1.9 | | | | | | | | 9.2 | 9.7 |
| ENE | | 2 | 6 | 2 | | | | | | | | 1.1 | 9.2 |
| E | | 4 | 2 | | | | | | | | | 6 | 5.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | 2 | | | | | | | | | | 2 | 5.0 |
| SSW | | | 2 | | | | | | | | | 2 | 13.0 |
| SW | | | 2 | | | | | | | | | 2 | 4.0 |
| WSW | 2 | 2 | | | | | | | | | | 4 | 4.0 |
| W | 2 | 4 | | | | | | | | | | 5 | 4.0 |
| WNW | 2 | 8 | 2 | 2 | | | | | | | | 1.5 | 5.1 |
| NW | 2 | 2.1 | 1.5 | 4 | | | | | | | | 4.2 | 5.7 |
| NNW | 1.1 | 2.7 | 8.4 | 2.5 | 2 | | | | | | | 14.9 | 9.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.3 | //// |
| TOTALS | 1.9 | 13.9 | 51.5 | 28.8 | 1.7 | | | | | | | 100.0 | 9.4 |

TOTAL NUMBER OF OBSERVATIONS: 476

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: JAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAR HOURS(UT): 0000-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | | 3.0 | 23.6 | 11.0 | .2 | | | | | | | 37.9 | 9.9 |
| NNE | | .9 | 12.1 | 11.0 | .2 | | | | | | | 24.3 | 10.9 |
| NE | | .2 | 4.2 | .9 | | | | | | | | 5.4 | 9.5 |
| ENE | | | .2 | .2 | | | | | | | | .5 | 11.5 |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | .2 | .2 | | | | | | | | | .5 | 5.0 |
| SW | | | | | | | | | | | | | |
| WSW | | | .5 | | | | | | | | | .5 | 5.0 |
| W | | | .9 | .2 | .2 | | | | | | | 1.4 | 5.5 |
| WNW | | .7 | 1.9 | 3.0 | .5 | | | | | | | 6.1 | 5.9 |
| NW | | .7 | 6.3 | 11.7 | 2.8 | | | | | | | 21.5 | 9.1 |
| NWN | | | | | | | | | | | | | |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.1 | //// |
| TOTALS | 1.6 | 13.8 | 55.4 | 26.6 | .5 | | | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS: 428

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAR HOURS(LOCAL): 0000-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL & | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 55 |
| N | .4 | 4.9 | 23.3 | 8.5 | .4 | | | | | | | 37.7 | 9.3 |
| NNE | | 1.2 | 15.8 | 7.6 | .4 | | | | | | | 25.1 | 13.2 |
| NF | .2 | .2 | 5.7 | .8 | | | | | | | | 4.9 | 9.3 |
| ENE | | | | .4 | | | | | | | | .4 | 13.5 |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | .2 | | | | | | | | .2 | 7.0 |
| SW | | | | | .2 | | | | | | | .2 | 13.0 |
| WSW | | | .2 | | | | | | | | | .2 | 5.0 |
| W | | .6 | .6 | | | | | | | | | 1.2 | 5.2 |
| WNW | .4 | 1.4 | .2 | | | | | | | | | 2.1 | 4.8 |
| NW | .2 | 1.4 | 3.5 | 1.4 | | | | | | | | 5.5 | 8.2 |
| NNW | .4 | 5.1 | 11.5 | 2.3 | .2 | | | | | | | 19.5 | 9.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.7 | //// |
| TOTALS | 1.6 | 15.2 | 58.8 | 21.4 | 1.0 | | | | | | | 100.0 | 9.9 |

TOTAL NUMBER OF OBSERVATIONS: 436

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: FEB ADJUSTMENT: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| N | .2 | 3.3 | 13.5 | 15.0 | 1.0 | .1 | | | | | | 33.1 | 10.7 |
| NNE | .1 | 2.7 | 15.7 | 12.3 | 1.9 | .1 | | | | | | 33.8 | 10.9 |
| NE | .0 | 1.2 | 7.1 | 3.2 | .2 | | | | | | | 11.9 | 9.9 |
| NNE | | .3 | 1.1 | .3 | .0 | | | | | | | 1.8 | 9.2 |
| E | | .1 | .6 | .9 | .0 | | | | | | | 1.1 | 10.2 |
| ESE | | | .1 | .1 | | | | | | | | .2 | 11.0 |
| SE | | .1 | .1 | | | | | | | | | .1 | 7.5 |
| SSE | | | | | | | | | | | | | |
| S | | | | .0 | | | | | | | | .0 | 11.0 |
| SSW | | .1 | .1 | .0 | | | | | | | | .3 | 7.8 |
| SW | .0 | .1 | .1 | | | | | | | | | .2 | 6.8 |
| WSW | | .1 | | | | | | | | | | .1 | 5.0 |
| W | .1 | .1 | | | | | | | | | | .1 | 4.0 |
| WNW | | .4 | .2 | .1 | | | | | | | | .7 | 7.6 |
| NW | .1 | 1.2 | 1.5 | 1.1 | | | | | | | | 3.9 | 8.4 |
| NNW | .1 | 2.2 | 5.9 | 2.9 | .0 | | | | | | | 11.1 | 9.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.7 | //// |
| TOTALS | .6 | 11.8 | 46.0 | 36.4 | 3.2 | .2 | | | | | | 100.0 | 10.1 |

TOTAL NUMBER OF OBSERVATIONS: 3427

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-85
 MONTH: FEB HOURS(UT): 2100-2500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | | |
| N | .5 | 6.5 | 18.8 | 9.4 | .3 | | | | | | | 35.5 | 9.0 |
| NNE | | 2.3 | 26.1 | 10.7 | .3 | | | | | | | 39.4 | 13.0 |
| NE | | | 2.6 | .8 | | | | | | | | 3.4 | 10.0 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | .5 | .3 | | | | | | | | | | .8 | 3.3 |
| WNW | | .3 | .3 | | | | | | | | | .5 | 5.0 |
| WW | | 1.8 | 1.3 | | | | | | | | | 3.1 | 6.5 |
| NW | | 5.5 | 7.6 | .8 | | | | | | | | 13.9 | 7.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 3.4 | //// |
| TOTALS | 1.0 | 16.7 | 56.7 | 21.7 | .5 | | | | | | | 100.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS: 333

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: APR HOURS/DAY: 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL # | MEAN WIND | |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .5 | .5 | 10.0 | 51.5 | 5.6 | .2 | | | | | | 43.4 | 12.9 |
| NNE | | .2 | 4.0 | 13.1 | 4.2 | .5 | | | | | | 22.0 | 15.8 |
| NE | | | .5 | 4.0 | .5 | | | | | | | 4.9 | 15.9 |
| NNE | | | .2 | .2 | | | | | | | | .5 | 13.0 |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | .2 | | | | | | | | | | .2 | 5.0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | .2 | | | | | | | .2 | 23.0 |
| SW | .2 | .5 | | | | | | | | | | .7 | 4.0 |
| WSW | | .2 | | | | | | | | | | .2 | 5.0 |
| W | | .5 | | | | | | | | | | .5 | 5.0 |
| WNW | | .2 | .5 | .2 | | | | | | | | .9 | 3.3 |
| NW | | 1.4 | 3.5 | .2 | .2 | | | | | | | 5.4 | 7.9 |
| NNW | | .2 | 8.2 | 7.5 | .2 | | | | | | | 15.1 | 13.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | //// | |
| TOTALS | .7 | 4.0 | 26.9 | 56.8 | 11.0 | .7 | | | | | | 133.3 | 12.4 |

TOTAL NUMBER OF OBSERVATIONS: 428

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615417 STATION NAME: JAKARTA SENJAL

PERIOD OF RECORD: 75-85
 MONTH: APR HOUR(S): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .2 | 5.7 | 31.3 | 11.3 | 1.1 | | | | | | 53.1 | 14.2 |
| NNE | | .4 | 2.0 | 14.9 | 4.6 | .9 | | | | | | 22.7 | 14.5 |
| NE | | .4 | .4 | 2.0 | .4 | .2 | | | | | | 3.5 | 12.9 |
| NNE | | | .2 | | | | | | | | | .2 | 10.0 |
| E | | | | | | | | | | | | | |
| ESE | | | | .2 | | | | | | | | .2 | 15.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | .2 | .2 | | | | | | | | .4 | 9.5 |
| S | | .2 | | | | | | | | | | .2 | 5.0 |
| SSW | | | | .2 | | | | | | | | .2 | 14.0 |
| SW | | | .2 | | | | | | | | | .2 | 9.0 |
| WSW | | | | | | | | | | | | | |
| W | | .2 | .2 | | | | | | | | | .4 | 7.0 |
| WNW | | .4 | .2 | | | .2 | | | | | | .9 | 9.3 |
| NW | .2 | .7 | 3.5 | 1.3 | | | | | | | | 5.7 | 9.0 |
| NNW | | .4 | 6.0 | 7.5 | .9 | | | | | | | 14.9 | 11.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | .2 | //// |
| TOTALS | .2 | 3.1 | 14.8 | 58.1 | 17.4 | 2.2 | | | | | | 100.0 | 13.3 |

TOTAL NUMBER OF OBSERVATIONS: 453

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: JAKAR GENERAL

PERIOD OF RECORD: 75-85
 MONTH: APR HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 55 |
| V | | .9 | 3.2 | 32.4 | 19.5 | | | | | | | 51.0 | 14.8 |
| NNE | | | .2 | 3.2 | 3.0 | .9 | | | | | | 7.4 | 15.9 |
| NE | | | | .7 | | | | | | | | .7 | 15.0 |
| EVE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | .5 | | | | | | | | | .5 | 7.0 |
| SSW | | .2 | .2 | | | | | | | | | .5 | 7.5 |
| SW | | | | | | | | | | | | | |
| WSW | | .2 | | | | | | | | | | .2 | 5.0 |
| W | | .2 | .5 | | | | | | | | | .7 | 7.7 |
| WNW | | | 1.6 | .2 | | | | | | | | 1.8 | 9.3 |
| NW | | .5 | 3.0 | 3.0 | | | | | | | | 6.4 | 17.6 |
| NNW | | .5 | 7.1 | 21.5 | 1.6 | | | | | | | 30.8 | 12.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | //// | |
| TOTALS | | 2.5 | 16.3 | 61.1 | 19.1 | .9 | | | | | | 100.0 | 13.7 |

TOTAL NUMBER OF OBSERVATIONS: 455

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616910 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: APR HOURS(LST): 1800-2100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| N | | | 13.0 | 28.4 | 4.6 | | | | | | | 46.0 | 13.0 |
| NNE | | 2 | 4 | 2.2 | 2 | | | | | | | 3.0 | 11.9 |
| NF | | | | 2 | | | | | | | | 2 | 12.0 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | 4 | | | | | | | | 4 | 3.5 |
| SW | | | 2 | 2 | | | | | | | | 4 | 5.5 |
| WSW | | | | | | | | | | | | | |
| W | | 1.1 | 4 | | | | | | | | | 1.5 | 3.9 |
| WNW | | 4 | 2.0 | 2 | | | | | | | | 2.6 | 3.6 |
| NW | | 1.5 | 4.1 | 4.3 | | | | | | | | 10.0 | 13.1 |
| NNW | | 1.1 | 16.1 | 21.5 | | | | | | | | 38.6 | 13.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2 | //// |
| TOTALS | | 4.6 | 33.6 | 56.3 | 4.3 | | | | | | | 100.0 | 11.6 |

TOTAL NUMBER OF OBSERVATIONS: 451

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: APR HOURS(EST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 55 |
| N | .5 | 2.0 | 18.9 | 19.1 | 1.7 | | | | | | | 42.2 | 11.3 |
| NNE | | .2 | 3.2 | 3.2 | | | | | | | | 6.6 | 10.9 |
| NE | | | .7 | | | | | | | | | .7 | 9.3 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | .2 | | | | | | | | | | .2 | 5.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | .2 | | | | | | | | | | .2 | 5.0 |
| W | .2 | .7 | | | | | | | | | | 1.3 | 4.0 |
| WNW | .2 | .5 | .2 | .2 | | | | | | | | 1.2 | 7.8 |
| NW | .2 | 3.7 | 2.9 | 1.2 | | | | | | | | 8.1 | 7.5 |
| NNW | | 5.6 | 20.6 | 12.3 | | | | | | | | 39.5 | 9.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.2 | //// |
| TOTALS | 1.2 | 13.2 | 48.6 | 36.0 | 1.7 | | | | | | | 100.0 | 10.0 |

TOTAL NUMBER OF OBSERVATIONS: 438

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: APR HOURS(UTC): ALL

| DIRECTION (DEGR, ES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|-------------------------|--------------------------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 55 |
| N | .3 | 2.1 | 13.3 | 24.5 | 5.0 | .2 | | | | | | 45.3 | 12.2 |
| NNE | .0 | .7 | 3.2 | 6.8 | 1.7 | .3 | | | | | | 12.7 | 12.8 |
| NE | | .1 | .6 | 1.0 | .1 | .0 | | | | | | 1.8 | 12.1 |
| ENE | | .0 | .2 | .0 | | | | | | | | .2 | 3.5 |
| E | | | | | | | | | | | | | |
| ESE | | .0 | | .0 | | | | | | | | .1 | 10.0 |
| SE | | .0 | | | | | | | | | | .0 | 5.0 |
| SSE | | | .0 | .0 | | | | | | | | .1 | 3.5 |
| S | .0 | .1 | .1 | | | | | | | | | .2 | 5.2 |
| SSW | .0 | .1 | .1 | .0 | .0 | | | | | | | .3 | 3.8 |
| SW | .1 | .1 | .1 | | | | | | | | | .2 | 5.1 |
| WSW | .1 | .2 | | | | | | | | | | .2 | 4.1 |
| W | .1 | .6 | .1 | .0 | | | | | | | | .9 | 5.5 |
| WNW | .1 | .6 | .7 | .2 | .0 | | | | | | | 1.5 | 7.7 |
| W | .1 | 2.2 | 3.5 | 1.7 | .0 | .0 | | | | | | 7.5 | 3.5 |
| NW | .1 | 2.6 | 13.8 | 11.3 | .3 | | | | | | | 23.7 | 13.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | .9 | //// | |
| TOTALS | .8 | 9.3 | 35.7 | 45.6 | 7.2 | .5 | | | | | | 100.0 | 11.2 |

TOTAL NUMBER OF OBSERVATIONS: 3528

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615417 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAY HOURS/DATE: 0000-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 55 |
| N | | 2.4 | 15.3 | 18.5 | .6 | | | | | | | 55.7 | 11.0 |
| NNE | | .4 | 1.8 | 2.8 | | | | | | | | 5.0 | 11.2 |
| NE | | | | | | | | | | | | | |
| ENE | | .2 | .2 | .2 | | | | | | | | .5 | 3.3 |
| E | | .2 | | | | | | | | | | .2 | 5.2 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | .2 | | | | | | | | | | .2 | 5.0 |
| S | | .2 | | | | | | | | | | .2 | 5.0 |
| SSW | | .4 | .2 | | | | | | | | | .5 | 5.7 |
| SW | | | | | | | | | | | | | |
| WSW | | .2 | | | | | | | | | | .2 | 5.0 |
| W | .6 | 1.2 | .4 | | | | | | | | | 2.2 | 4.7 |
| WNW | | 2.2 | 1.4 | | | | | | | | | 3.6 | 5.8 |
| NW | .4 | 4.2 | 8.9 | 1.4 | | | | | | | | 14.9 | 7.5 |
| NNW | .8 | 6.7 | 14.1 | 4.4 | | | | | | | | 25.0 | 3.2 |
| VARIABLE | | | .2 | | | | | | | | | .2 | 10.0 |
| CALM | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | 3.5 | //// |
| TOTALS | 1.4 | 18.5 | 42.5 | 27.2 | .6 | | | | | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS: 534

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: MAY HOURS(EST): 0300-0900

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| N | .2 | 2.0 | 12.7 | 12.7 | 1.8 | .2 | | | | | | 29.8 | 11.0 |
| NNE | .2 | 1.8 | 2.7 | 2.9 | | | | | | | | 7.3 | 7.4 |
| NE | | .2 | .9 | | | | | | | | | 1.1 | 7.0 |
| NENE | | .2 | | | | | | | | | | .2 | 5.0 |
| E | | | | | | | | | | | | | |
| ESE | | .2 | .2 | | | | | | | | | .5 | 5.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | .2 | | | | | | | | | .2 | 3.0 |
| SSW | | .2 | .2 | | | | | | | | | .5 | 5.0 |
| SW | .2 | .5 | .2 | | | | | | | | | .9 | 5.5 |
| WSW | | .9 | | | | | | | | | | .9 | 5.0 |
| W | .9 | 1.8 | .2 | | | | | | | | | 3.0 | 3.8 |
| WNW | .5 | 3.2 | 1.1 | | | | | | | | | 4.8 | 5.6 |
| WV | .2 | 5.7 | 7.5 | 1.6 | | | | | | | | 15.0 | 7.5 |
| WNW | .5 | 6.1 | 14.3 | 5.5 | | | | | | | | 26.4 | 3.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 7.5 | //// |
| TOTALS | 2.7 | 23.0 | 40.5 | 22.3 | 1.8 | .2 | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS: 440

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAY HOURS(UT): 0600-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-58 |
| N | | 3.2 | 14.8 | 19.2 | 2.0 | | .2 | | | | | 39.5 | 11.3 |
| NNE | | 1.6 | 4.5 | 3.8 | .2 | | | | | | | 10.1 | 13.1 |
| NF | | .2 | .6 | .2 | | | | | | | | 1.0 | 9.0 |
| ENE | | | | | | | | | | | | | |
| E | | | .2 | | | | | | | | | .2 | 5.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | .2 | | | | | | | | | .2 | 5.0 |
| SSW | | | .4 | | | | | | | | | .4 | 4.0 |
| SW | | | | | | | | | | | | | |
| WSW | .2 | .4 | .2 | | | | | | | | | .8 | 5.5 |
| W | .2 | 1.6 | 1.0 | | | | | | | | | 2.8 | 5.2 |
| WNW | .4 | 2.0 | 1.6 | .2 | | | | | | | | 4.3 | 5.2 |
| NW | .6 | 5.5 | 4.9 | 1.2 | | | | | | | | 12.1 | 7.1 |
| NNW | .6 | 3.6 | 10.1 | 3.4 | | | | | | | | 17.8 | 3.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 13.7 | //// |
| TOTALS | 2.0 | 19.0 | 37.7 | 28.1 | 2.2 | | .2 | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS: 474

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-85
 MONTH: MAY HOURS(EST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL # | MEAN WIND |
|------------------------|---------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .2 | .7 | 12.4 | 24.8 | 4.9 | | | | | | | 43.0 | 12.5 |
| NNE | | .2 | 3.2 | 8.7 | 2.1 | | | | | | | 14.3 | 13.3 |
| NE | .2 | .2 | .5 | .9 | | | | | | | | 1.8 | 13.0 |
| ENE | | | .7 | | | | | | | | | .7 | 3.7 |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | .2 | | | | | | | | | | .2 | 4.0 |
| SSE | | .2 | | | | | | | | | | .2 | 4.0 |
| S | | .2 | | | | | | | | | | .2 | 4.0 |
| SSW | | .7 | | | | | | | | | | .7 | 5.0 |
| SW | | .5 | .5 | | | | | | | | | .9 | 7.3 |
| WSW | | .2 | | | | | | | | | | .2 | 4.0 |
| W | .5 | .9 | .9 | | | | | | | | | 2.3 | 5.2 |
| WNW | | 1.4 | 1.8 | .2 | | | | | | | | 3.4 | 7.5 |
| NW | .2 | 1.8 | 5.7 | 2.5 | | | | | | | | 10.3 | 3.8 |
| NNW | | 3.4 | 8.7 | 7.1 | .2 | | | | | | | 19.5 | 3.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.1 | //// |
| TOTALS | 1.1 | 10.8 | 34.5 | 44.4 | 7.1 | | | | | | | 100.0 | 10.9 |

TOTAL NUMBER OF OBSERVATIONS: 455

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAY HOURS(DST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | | 1.2 | 9.1 | 23.9 | 3.9 | | | | | | | 43.2 | 13.5 |
| NNE | | | 1.8 | 7.7 | 3.2 | | | | | | | 12.8 | 14.0 |
| NE | | .2 | .6 | 1.8 | .2 | | | | | | | 2.8 | 13.1 |
| ENE | | | | .2 | | | | | | | | .2 | 15.0 |
| E | | .2 | | | | | | | | | | .2 | 5.0 |
| ESE | | | | | | | | | | | | | |
| SF | | | | | | | | | | | | | |
| SSE | | | | | | .2 | | | | | | .2 | 18.0 |
| S | | .2 | | | | | | | | | | .2 | 3.0 |
| SSW | | .2 | .4 | | | | | | | | | .6 | 7.3 |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | 1.0 | 1.2 | | | | | | | | | 2.2 | 5.8 |
| WNW | | .8 | 1.2 | 1.2 | | | | | | | | 3.2 | 7.4 |
| NW | | 1.4 | 7.5 | 2.8 | | | | | | | | 11.8 | 7.4 |
| NNW | | .8 | 8.1 | 12.0 | 1.2 | | | | | | | 22.1 | 11.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | .4 | //// |
| TOTALS | | 6.1 | 30.0 | 49.7 | 13.8 | | | | | | | 100.0 | 12.3 |

TOTAL NUMBER OF OBSERVATIONS: 473

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/ZHAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAY HOURS(LOCAL): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | | .7 | 4.8 | 24.2 | 9.2 | | | | | | | 38.9 | 14.3 |
| NNE | | | 1.3 | 2.3 | .4 | | | | | | | 4.5 | 12.9 |
| NE | | | | .2 | | | | | | | | .2 | 15.0 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | .2 | | | | | | | | | | .2 | 3.0 |
| SSW | | | .2 | | | | | | | | | .2 | 8.0 |
| SW | | | | | | | | | | | | | |
| WSW | | .4 | .4 | .2 | | | | | | | | 1.1 | 7.3 |
| W | | 1.1 | 1.5 | | | | | | | | | 2.6 | 7.1 |
| WNW | | .7 | 1.5 | .7 | | | | | | | | 2.9 | 9.9 |
| WW | | 1.3 | 7.2 | 6.6 | .2 | | | | | | | 15.3 | 12.1 |
| NW | | .4 | 8.3 | 23.1 | 7.2 | | | | | | | 39.1 | 12.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | | //// |
| TOTALS | | 4.8 | 25.3 | 57.9 | 12.0 | | | | | | | 100.0 | 12.5 |

TOTAL NUMBER OF OBSERVATIONS: 428

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 76-95
 MONTH: MAY HOURS(UTC): 1900-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 57-55 |
| N | .2 | 1.0 | 6.1 | 24.6 | 3.9 | | | | | | | 35.8 | 15.1 |
| NNE | | .4 | 1.4 | .8 | .2 | | | | | | | 2.8 | 10.4 |
| NE | | .4 | .2 | | | | | | | | | .5 | 7.3 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | .2 | | | | | | | | | .2 | 10.0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | .2 | | .2 | | | | | | | | .4 | 8.5 |
| SW | | | | .2 | | | | | | | | .2 | 8.0 |
| WSW | | | | | | | | | | | | | |
| W | .2 | 2.2 | 1.0 | .2 | | | | | | | | 3.7 | 5.0 |
| WNW | | .8 | 1.8 | | | | | | | | | 2.6 | 7.5 |
| NW | | 1.8 | 10.0 | 5.7 | | | | | | | | 17.5 | 9.3 |
| NNW | | 2.2 | 15.7 | 17.1 | .8 | | | | | | | 35.8 | 11.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | .4 | //// |
| TOTALS | .4 | 9.1 | 36.5 | 48.6 | 4.9 | | | | | | | 100.0 | 11.1 |

TOTAL NUMBER OF OBSERVATIONS: 492

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAY HOURS/SET: 2100-2300

| DIRECTION (0° GREEST) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL # | MEAN WIND |
|--------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | | |
| N | 2.9 | 2.9 | 12.7 | 23.5 | 1.5 | | | | | | | 53.2 | 11.2 |
| NNE | 2.2 | 2.2 | 2.4 | 2.3 | | | | | | | | 2.9 | 13.7 |
| NE | | 2.2 | | | | | | | | | | 2.2 | 4.0 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | 2.2 | | | | | | | | | | 2.2 | 5.0 |
| WSW | | | 2.4 | | | | | | | | | 2.4 | 5.0 |
| W | | | 2.7 | 1.1 | | | | | | | | 1.8 | 5.8 |
| WNW | | | 2.9 | 1.6 | | | | | | | | 4.5 | 5.0 |
| NW | 2.9 | 6.5 | 7.1 | 2.9 | | | | | | | | 15.4 | 5.8 |
| NNW | 2.2 | 5.1 | 18.3 | 6.7 | 2.2 | | | | | | | 33.5 | 7.2 |
| VARIABLE | | | 2.2 | | | | | | | | | 2.2 | 9.0 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 52.5 | //// |
| TOTALS | 1.8 | 18.7 | 42.0 | 30.1 | 1.8 | | | | | | | 100.3 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 444

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(UTC): 1900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | .2 | 1.1 | 4.7 | 1.5 | | | | | | | | 7.5 | 3.3 |
| NNE | .2 | 1.6 | .7 | .7 | | | | | | | | 3.1 | 7.9 |
| NE | .2 | .2 | | | | | | | | | | .4 | 3.5 |
| ENE | | .2 | .7 | | | | | | | | | .9 | 3.0 |
| E | .9 | .7 | .9 | .2 | | | | | | | | 2.7 | 3.5 |
| ESE | | | .4 | .2 | | | | | | | | .7 | 10.7 |
| SE | | | .2 | | .4 | | | | | | | .7 | 15.7 |
| SSE | | .4 | .9 | .2 | | | | | | | | 1.5 | 3.1 |
| S | .9 | .9 | .9 | | | | | | | | | 2.7 | 5.9 |
| SSW | | 1.6 | .4 | .7 | .2 | | | | | | | 2.9 | 3.5 |
| SW | .2 | 2.4 | 1.6 | | | | | | | | | 4.2 | 5.2 |
| WSW | .2 | 3.3 | 2.9 | .9 | | | | | | | | 7.3 | 7.5 |
| W | .7 | 4.7 | 8.9 | 1.6 | | | | | | | | 15.8 | 7.9 |
| WNW | 1.1 | 5.1 | 5.7 | 1.1 | | | | | | | | 14.0 | 7.3 |
| NW | .4 | 3.1 | 9.1 | 3.1 | | | | | | | | 15.8 | 3.5 |
| NNW | .4 | 2.9 | 8.0 | 2.7 | | | | | | | | 14.0 | 3.7 |
| VARIABLE | | | | .2 | | | | | | | | .2 | 12.0 |
| CALM | //////////////////// | | | | | | | | | | | 5.5 | //// |
| TOTALS | 4.7 | 28.3 | 47.0 | 12.9 | .7 | | | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS: 449

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFLTAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(EST): 0500-2300

| DIRECTION (DEGREE) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL # | MEAN WIND | |
|-----------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-65 |
| N | .2 | 1.8 | 4.4 | | | | | | | | | 5.5 | 7.9 |
| NNE | .2 | .4 | .2 | .4 | | | | | | | | 1.2 | 7.0 |
| NE | .4 | .8 | .2 | | | | | | | | | 1.4 | 4.9 |
| NNE | | .2 | .4 | | | | | | | | | .5 | 7.0 |
| E | .2 | .8 | .6 | .2 | | | | | | | | 1.8 | 5.7 |
| ESE | | | .2 | | | | | | | | | .2 | 10.0 |
| SE | | .2 | .4 | | | | | | | | | .5 | 3.0 |
| SSE | | .4 | .2 | | | | | | | | | .5 | 5.7 |
| S | .2 | .2 | | | | .2 | | | | | | .5 | 10.0 |
| SSW | .2 | .4 | .4 | .4 | .2 | | | | | | | 1.5 | 7.4 |
| SW | | 1.0 | .4 | .2 | | | | | | | | 1.5 | 7.4 |
| WSW | .6 | 2.8 | 2.4 | .4 | .2 | | | | | | | 6.5 | 5.9 |
| W | 2.4 | 7.1 | 9.5 | .2 | | | | | | | | 19.2 | 5.5 |
| WNW | .4 | 6.3 | 5.9 | .4 | | | | | | | | 13.9 | 5.9 |
| NW | .2 | 5.7 | 9.1 | 1.0 | | | | | | | | 15.3 | 7.5 |
| NNW | .4 | 3.0 | 6.3 | .4 | | | | | | | | 10.5 | 7.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 17.2 | //// |
| TOTALS | 5.5 | 31.1 | 11.6 | 4.0 | .4 | .2 | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 475

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(LST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | | 2.1 | 1.4 | 1.2 | | | | | | | | 4.6 | 3.0 |
| NNE | | 1.4 | .2 | | | | | | | | | 1.6 | 5.1 |
| NE | | .2 | | | | | | | | | | .2 | 5.0 |
| ENE | | | .5 | .5 | | | | | | | | .9 | 11.5 |
| E | .2 | .7 | .2 | | | | | | | | | 1.2 | 5.4 |
| ESE | | .5 | | | | | | | | | | .5 | 4.0 |
| SE | | | .2 | .2 | | | | | | | | .5 | 10.0 |
| SSE | | .5 | | | | .2 | | | | | | .7 | 9.0 |
| S | | .7 | .2 | | | | | | | | | .9 | 5.5 |
| SSW | .2 | .7 | .7 | | | .5 | | | | | | 2.1 | 9.0 |
| SW | .2 | 1.2 | 1.4 | .5 | | | | | | | | 3.2 | 7.4 |
| WSW | .9 | 2.3 | 1.4 | .2 | | | | | | | | 4.9 | 5.7 |
| W | 1.9 | 11.6 | 6.5 | .5 | | | | | | | | 20.4 | 5.3 |
| WNW | 2.1 | 7.6 | 7.4 | .5 | | | | | | | | 17.5 | 5.5 |
| NW | .7 | 7.6 | 7.2 | .9 | | | | | | | | 15.4 | 7.1 |
| NNW | .2 | 3.7 | 3.5 | 1.9 | .2 | | | | | | | 9.5 | 3.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 14.8 | //// |
| TOTALS | 6.5 | 40.7 | 53.8 | 6.2 | .9 | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 432

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(EST): 0000-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | .2 | 1.2 | 1.2 | .8 | | | | | | | | 3.4 | 5.1 |
| NNE | | .2 | .2 | | | | | | | | | .4 | 7.5 |
| NE | .2 | | | .2 | | | | | | | | .4 | 7.0 |
| ENE | .2 | .2 | .2 | | | | | | | | | .6 | 5.0 |
| E | .2 | | .4 | .4 | | | | | | | | 1.0 | 8.8 |
| ESE | | | .2 | | | | | | | | | .2 | 10.0 |
| SE | | | | .2 | .4 | | | | | | | .6 | 17.0 |
| SSE | | .4 | | .2 | | | | | | | | .6 | 3.3 |
| S | | .6 | .2 | .2 | | | | | | | | 1.0 | 7.0 |
| SSW | 1.0 | 1.2 | .8 | | | | | | | | | 3.0 | 5.0 |
| SW | .6 | 1.4 | .6 | .4 | | | | | | | | 3.0 | 5.2 |
| WSW | .8 | 4.8 | 3.6 | .2 | | | | | | | | 9.4 | 5.3 |
| W | 2.2 | 10.0 | 9.2 | .4 | | | | | | | | 22.8 | 5.3 |
| WNW | 1.8 | 10.2 | 5.4 | .8 | | | | | | | | 18.2 | 5.0 |
| WW | .8 | 6.0 | 6.8 | .4 | | | | | | | | 14.1 | 5.7 |
| NW | .4 | 3.4 | 5.6 | 1.0 | | | | | | | | 10.4 | 7.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 11.2 | //// |
| TOTALS | 8.4 | 39.8 | 34.5 | 5.6 | .4 | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 498

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS/DAY: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .1 | 1.5 | 5.5 | 3.3 | .4 | .0 | | | | | | 10.9 | 13.1 |
| NNE | | .6 | 1.1 | 1.2 | .0 | | | | | | | 2.9 | 7.9 |
| NE | .1 | .1 | .3 | .3 | | | | | | | | .9 | 7.3 |
| ENE | | .0 | .2 | | | | | | | | | .2 | 3.0 |
| E | .1 | .3 | .0 | .0 | .0 | | | | | | | .4 | 5.2 |
| ESE | | .1 | .1 | .1 | | | | | | | | .2 | 3.3 |
| SE | | .1 | .1 | .1 | | | | | | | | .3 | 3.7 |
| SSE | .0 | .1 | .2 | .1 | | | .0 | | | | | .5 | 7.5 |
| S | .1 | .4 | .4 | .2 | | | | | | | | .9 | 7.7 |
| SSW | .1 | .7 | 1.4 | .2 | .0 | | | | | | | 2.4 | 7.8 |
| SW | .3 | 1.4 | 2.2 | .4 | | | | | | | | 4.3 | 7.3 |
| WSW | .2 | 1.9 | 2.4 | .4 | | | | | | | | 5.0 | 7.3 |
| W | 1.0 | 5.5 | 5.7 | 1.2 | .0 | | | | | | | 13.4 | 7.0 |
| WNW | .9 | 5.7 | 6.0 | .9 | .1 | | | | | | | 13.6 | 7.2 |
| WV | .5 | 5.8 | 9.2 | 2.7 | .1 | .0 | | | | | | 13.3 | 3.3 |
| NNW | .2 | 3.7 | 9.6 | 4.4 | .1 | | | | | | | 18.0 | 3.9 |
| VARIABLE | | | | | .0 | | | | | | | .0 | 13.0 |
| CALM | //////////////////// | | | | | | | | | | | 7.8 | //// |
| TOTALS | 3.9 | 27.9 | 14.4 | 15.1 | .9 | .1 | .0 | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS: 3256

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 696413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS LISTED: 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-14 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | | 1.0 | 7.1 | 2.5 | .3 | | | | | | | 10.9 | 13.0 |
| NNE | | | .3 | .5 | | | | | | | | .3 | 3.0 |
| NE | | | | | | | | | | | | | |
| ENE | | | .3 | | | | | | | | | .3 | 4.0 |
| E | .3 | .3 | | | | | | | | | | .5 | 4.5 |
| ESE | | | | .3 | .5 | | | | | | | .8 | 11.3 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | .3 | | .3 | | | | | | | | | .5 | 5.0 |
| SSW | .3 | 1.3 | 2.0 | | | | | | | | | 3.5 | 7.1 |
| SW | .5 | 1.3 | 2.0 | | | | | | | | | 3.8 | 5.5 |
| WSW | | 1.0 | 1.8 | | | | | | | | | 2.8 | 7.2 |
| W | 1.8 | 6.8 | 7.1 | | | | | | | | | 15.6 | 5.1 |
| WNW | 2.3 | 8.1 | 6.5 | | .3 | | | | | | | 16.9 | 5.4 |
| NW | .3 | 8.6 | 8.8 | 2.5 | | | | | | | | 20.2 | 7.4 |
| NNW | | 4.8 | 9.3 | 2.5 | | | | | | | | 16.6 | 8.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 7.1 | //// | |
| TOTALS | 5.3 | 33.5 | 45.6 | 8.1 | .5 | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 397

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS(LOCAL): 1800-2100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| N | | .2 | 4.2 | 5.2 | .2 | | | | | | | 9.9 | 11.3 |
| NNE | | .5 | .5 | .5 | | | | | | | | 1.4 | 3.3 |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | .2 | | | | | | | | | .2 | 7.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | .2 | | | | | | | | | .2 | 3.0 |
| S | | | .2 | .2 | | | | | | | | .5 | 7.0 |
| SSW | | | .5 | .7 | .2 | | | | | | | 1.4 | 8.3 |
| SW | .5 | 2.1 | 1.6 | .5 | | | | | | | | 4.7 | 7.1 |
| WSW | .2 | 2.6 | 3.1 | .5 | | | | | | | | 5.3 | 7.3 |
| W | .2 | 4.9 | 9.6 | .9 | | | | | | | | 15.7 | 7.5 |
| WNW | .2 | 4.0 | 10.6 | 1.5 | .5 | | | | | | | 15.9 | 3.5 |
| NW | .2 | 3.1 | 14.8 | 4.5 | .2 | | | | | | | 22.8 | 9.1 |
| NNW | | 2.3 | 9.4 | 8.0 | .2 | | | | | | | 20.0 | 10.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | | //// |
| TOTALS | 1.4 | 20.4 | 35.2 | 21.8 | 1.2 | | | | | | | 100.0 | 9.9 |

TOTAL NUMBER OF OBSERVATIONS: 426

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615417 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS(EST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 55 |
| V | | .8 | 3.9 | 4.7 | .5 | .3 | | | | | | 13.2 | 11.4 |
| NNE | | .3 | .8 | .5 | | | | | | | | 1.5 | 7.3 |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SF | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | .3 | .5 | | | | | | | | | .8 | 3.0 |
| SSW | .3 | 1.0 | 1.3 | .3 | .3 | | | | | | | 3.1 | 7.8 |
| SW | | 1.3 | 3.4 | 1.0 | | | | | | | | 5.8 | 3.6 |
| WSW | .3 | 1.0 | 4.2 | .8 | | | | | | | | 6.3 | 3.6 |
| W | .3 | 3.4 | 8.9 | 3.7 | | | | | | | | 16.2 | 9.9 |
| WNW | | 1.8 | 7.3 | 1.8 | | | | | | | | 11.0 | 3.7 |
| NW | | 2.1 | 13.4 | 6.0 | .3 | | | | | | | 21.7 | 9.7 |
| NNW | | 2.6 | 11.0 | 9.2 | .5 | | | | | | | 23.3 | 10.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | | //// |
| TOTALS | .9 | 14.7 | 54.7 | 28.0 | 1.6 | .3 | | | | | | 100.0 | 9.6 |

TOTAL NUMBER OF OBSERVATIONS: 332

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUN COURSE(S): 1203-1403

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | | 1.3 | 5.9 | 5.9 | 1.1 | | | | | | | 14.3 | 13.7 |
| NNE | | | .7 | 1.1 | 2.7 | | | | | | | 4.7 | 11.1 |
| NE | | | .2 | .4 | .4 | | | | | | | 1.1 | 9.4 |
| ENE | | | | | | | | | | | | | |
| E | | | .7 | | .2 | | | | | | | .9 | 5.5 |
| ESE | | | | | | | | | | | | | |
| SE | | | | .2 | .2 | | | | | | | .4 | 11.5 |
| SSE | | | .2 | | .4 | | | | | | | .7 | 13.7 |
| S | | | .7 | .4 | .4 | | | | | | | 1.1 | 9.4 |
| SSW | | | .9 | 2.9 | | | | | | | | 3.3 | 3.2 |
| SW | | .7 | .9 | 3.8 | .7 | | | | | | | 5.3 | 7.5 |
| WSW | | | 1.1 | 3.6 | 1.1 | | | | | | | 5.8 | 9.7 |
| W | | | 2.2 | 4.3 | 2.2 | | | | | | | 8.7 | 3.7 |
| WNW | | | 2.9 | 8.1 | 1.8 | | | | | | | 12.8 | 3.7 |
| NW | .2 | 3.8 | 13.7 | 3.6 | | | .2 | | | | | 18.5 | 3.8 |
| NNW | .2 | 2.2 | 12.1 | 4.7 | | | | | | | | 19.2 | 9.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.3 | //// |
| TOTALS | 1.1 | 17.4 | 34.6 | 24.2 | 1.1 | .2 | | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS: 417

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS/DATE: 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| N | .3 | 2.1 | 9.1 | 4.5 | | | | | | | | 14.9 | 7.8 |
| NNE | | 1.0 | 1.6 | 2.9 | | | | | | | | 5.7 | 13.1 |
| NF | .5 | .5 | 1.3 | .8 | | | | | | | | 3.1 | 8.8 |
| ENE | | | .5 | | | | | | | | | .5 | 7.5 |
| E | .3 | | | | .3 | | | | | | | .5 | 13.0 |
| ESE | | .3 | | | | | | | | | | .3 | 5.0 |
| SE | | .3 | | | | | | | | | | .3 | 4.0 |
| SSE | .3 | | .5 | | | | | | | | | .8 | 5.3 |
| S | | | | | | | | | | | | | |
| SSW | .3 | .8 | .5 | .3 | | | | | | | | 1.3 | 5.4 |
| SW | .3 | 2.1 | 1.6 | .5 | | | | | | | | 4.5 | 7.2 |
| WSW | | 2.6 | 2.4 | .5 | | | | | | | | 5.5 | 7.4 |
| W | .8 | 6.5 | 5.5 | 1.3 | | | | | | | | 14.7 | 7.4 |
| WNW | .3 | 5.8 | 5.5 | .8 | | | | | | | | 12.3 | 7.2 |
| NW | .3 | 5.5 | 8.1 | 1.0 | | | | | | | | 14.9 | 7.4 |
| NNW | .3 | 2.1 | 8.6 | 3.4 | | | | | | | | 14.4 | 7.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.5 | //// |
| TOTALS | 3.4 | 29.6 | 44.2 | 16.0 | .3 | | | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS: 332

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS(LEST): 0500-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|---------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .2 | 2.3 | 5.5 | 1.8 | | | | | | | | 9.8 | 3.7 |
| NNE | | .2 | 2.1 | .5 | | | | | | | | 2.7 | 3.7 |
| NE | | .2 | .7 | .5 | | | | | | | | 1.4 | 3.7 |
| ENE | | | .5 | | | | | | | | | .5 | 10.0 |
| E | | .2 | | | | | | | | | | .2 | 4.0 |
| ESE | | | .2 | .5 | | | | | | | | .7 | 7.7 |
| SE | | | .5 | .2 | | | | | | | | .7 | 7.5 |
| SSE | | | .2 | .5 | | | | | | | | .7 | 7.7 |
| S | | | .9 | .7 | | | | | | | | 1.6 | 7.0 |
| SSW | | | .2 | 1.1 | | | | | | | | 1.4 | 3.2 |
| SW | | | 1.4 | 1.8 | .2 | | | | | | | 3.4 | 7.2 |
| WSW | | .5 | 2.1 | 2.5 | .2 | | | | | | | 5.3 | 6.7 |
| W | | 1.8 | 5.7 | 3.0 | .5 | | | | | | | 11.0 | 5.9 |
| WNW | | 1.8 | 6.6 | 3.0 | .5 | | | | | | | 11.9 | 5.0 |
| NW | | .5 | 7.1 | 5.9 | .9 | | | | | | | 14.4 | 5.9 |
| NNW | | | 4.8 | 9.8 | 2.5 | | | | | | | 17.2 | 3.2 |
| VARIABLE | | | | | | .2 | | | | | | .2 | 13.7 |
| CALM | | | | | | | | | | | | 15.9 | //// |
| TOTALS | 4.8 | 32.7 | 37.8 | 7.6 | .2 | | | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS: 437

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS(LOCAL): 0000-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | | 2.9 | 2.8 | 1.1 | .6 | | | | | | | 7.3 | 7.3 |
| NNE | | .8 | 1.4 | 1.4 | .3 | | | | | | | 3.9 | 13.1 |
| NE | | | | | | | | | | | | | |
| ENE | | | .3 | | | | | | | | | .3 | 9.3 |
| E | | .3 | | | | | | | | | | .3 | 6.3 |
| ESE | | .3 | | | | | | | | | | .3 | 4.3 |
| SE | | .3 | | .3 | | | | | | | | .6 | 9.5 |
| SSE | | .3 | | .6 | | | .3 | | | | | 1.1 | 14.0 |
| S | | .6 | .3 | .5 | | | | | | | | 1.4 | 9.5 |
| SSW | | .6 | 1.1 | .6 | | | | | | | | 2.2 | 9.5 |
| SW | | | 1.1 | 2.5 | | | | | | | | 3.7 | 7.5 |
| WSW | .6 | 3.1 | .8 | | | | | | | | | 4.5 | 5.3 |
| W | 1.7 | 6.5 | 3.9 | | | | | | | | | 12.1 | 5.7 |
| WNW | 1.1 | 4.3 | 3.4 | .3 | | | | | | | | 14.0 | 5.7 |
| NW | 1.4 | 8.1 | 5.6 | 1.1 | | | | | | | | 16.3 | 5.5 |
| NNW | .3 | 5.3 | 6.7 | 2.5 | | | | | | | | 14.9 | 3.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 17.1 | //// |
| TOTALS | 5.1 | 39.3 | 28.9 | 8.4 | .8 | | .3 | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 356

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS(EST): 0000-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .5 | 1.6 | 5.2 | 1.4 | .7 | | | | | | | 9.3 | 9.1 |
| NNE | | .9 | 1.1 | .2 | | | | | | | | 2.3 | 3.2 |
| NE | | | .7 | .5 | | | | | | | | .7 | 12.0 |
| ENE | | | | | | | | | | | | | |
| E | | .7 | | | | | | | | | | .7 | 5.3 |
| ESE | | | | | | | | | | | | | |
| SE | | | .2 | | | | | | | | | .2 | 10.0 |
| SSE | | | .5 | | | | | | | | | .5 | 3.0 |
| S | .2 | .7 | .5 | .2 | | | | | | | | 1.6 | 5.5 |
| SSW | | .5 | 1.4 | | | | | | | | | 1.8 | 7.8 |
| SW | .7 | 1.1 | 1.1 | | | | | | | | | 3.0 | 5.0 |
| WSW | .5 | 2.1 | .7 | | | | | | | | | 3.2 | 5.5 |
| W | 1.9 | 7.7 | 3.4 | .5 | .2 | | | | | | | 13.7 | 5.0 |
| WNW | 2.1 | 2.5 | 3.2 | | .2 | | | | | | | 13.0 | 5.5 |
| NW | 1.4 | 8.7 | 6.2 | 1.5 | | | | | | | | 17.8 | 5.7 |
| NNW | 1.1 | 5.5 | 7.1 | 2.5 | | | | | | | | 13.2 | 7.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 14.1 | //// |
| TOTALS | 8.2 | 36.9 | 52.8 | 6.8 | 1.1 | | | | | | | 107.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 439

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAY HOURS/DAY: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | TOTAL | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | | |
| N | .1 | 1.8 | 11.0 | 21.1 | 4.1 | .0 | .0 | | 38.2 | 12.3 |
| NNE | .1 | .6 | 2.2 | 3.9 | .8 | | | | 7.4 | 12.0 |
| NE | .0 | .2 | .3 | .4 | .0 | | | | 1.7 | 10.6 |
| NNE | | .1 | .1 | .1 | | | | | .2 | 9.4 |
| E | | .1 | | | | | | | .1 | 5.3 |
| ESE | | .0 | .0 | | | | | | .1 | 5.0 |
| SE | | .0 | .0 | | | | | | .1 | 7.0 |
| SSE | | .1 | | | .0 | | | | .1 | 9.3 |
| S | | .1 | .0 | | | | | | .2 | 5.7 |
| SSW | | .3 | .1 | .0 | | | | | .4 | 5.2 |
| SW | .0 | .1 | .1 | | | | | | .3 | 5.4 |
| WSW | .0 | .3 | .1 | .0 | | | | | .5 | 5.2 |
| W | .3 | 1.3 | .9 | .0 | | | | | 2.5 | 5.9 |
| WNW | .1 | 1.7 | 1.5 | .3 | | | | | 3.6 | 5.9 |
| W | .3 | 3.5 | 7.4 | 2.8 | .0 | | | | 14.1 | 9.3 |
| NW | .3 | 3.6 | 12.2 | 9.9 | .6 | | | | 25.5 | 10.1 |
| VARIABLE | | | .1 | | | | | | .1 | 9.5 |
| CALM | //////////////////// | | | | | | | | 4.3 | //// |
| TOTALS | 1.2 | 13.7 | 36.1 | 38.5 | 5.5 | .0 | .0 | | 103.0 | 10.1 |

TOTAL NUMBER OF OBSERVATIONS: 3754

GLOBAL CLIMATOLOGY BRANCH
 USAF/AFSC
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(LOCAL): 1200-1400

| DIRECTION (DEGR. FSI) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL # | MEAN WIND |
|--------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 55 | | |
| N | .2 | 2.2 | 5.7 | 3.3 | | | | | | | | 12.4 | 9.1 |
| NNE | | .9 | .9 | 1.5 | | | | | | | | 2.4 | 11.3 |
| NE | | .4 | 1.0 | | | | | | | | | 1.4 | 7.6 |
| ENE | | .2 | | | | | | | | | | .2 | 5.3 |
| E | .2 | .6 | 1.0 | | .2 | | | | | | | 2.3 | 4.5 |
| ESE | .2 | | | | | | | | | | | .2 | 3.0 |
| SE | | | .2 | | | | | | | | | .2 | 7.0 |
| SSE | | .2 | .2 | | | | | | | | | .4 | 5.3 |
| S | | .4 | .4 | .4 | | | | | | | | 1.2 | 9.3 |
| SSW | .2 | 1.2 | 2.2 | .8 | | | | | | | | 4.5 | 3.3 |
| SW | | 1.6 | 3.5 | .9 | | | | | | | | 5.7 | 3.5 |
| WSW | .2 | 2.4 | 5.7 | .6 | .2 | | | | | | | 7.2 | 3.1 |
| W | | 3.1 | 9.0 | 3.7 | | | | | | | | 15.7 | 9.0 |
| WNW | .4 | 2.2 | 6.3 | 2.9 | | | | | | | | 11.8 | 3.9 |
| NW | .4 | 2.9 | 6.5 | 3.7 | | | | | | | | 13.4 | 3.3 |
| NNW | | 2.9 | 9.4 | 4.5 | .4 | | | | | | | 17.1 | 9.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.0 | //// |
| TOTALS | 1.9 | 20.8 | 52.3 | 22.2 | .8 | | | | | | | 133.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS: 421

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(DST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 55 | | |
| N | | .9 | 2.5 | 1.8 | .2 | | | | | | | 5.4 | 9.6 |
| NNE | | | 1.1 | .4 | | | | | | | | 1.5 | 10.3 |
| NE | | .2 | | | | | | | | | | .2 | 6.0 |
| NENE | | | | | .2 | | | | | | | .2 | 13.0 |
| E | | | .2 | | | | | | | | | .2 | 3.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | .2 | .2 | | | | | | | | | | .4 | 4.5 |
| S | | | .9 | .4 | | | | | | | | 1.3 | 10.5 |
| SSW | | .7 | 3.6 | 1.8 | .2 | | | | | | | 5.3 | 10.0 |
| SW | .2 | .9 | 6.5 | 2.2 | | | | | | | | 9.8 | 9.1 |
| WSW | | 1.8 | 6.7 | 2.7 | | | | | | | | 11.2 | 9.2 |
| W | | 3.4 | 9.2 | 4.0 | | | | | | | | 15.6 | 9.2 |
| WNW | | 3.6 | 8.3 | 2.7 | | | | | | | | 14.6 | 3.9 |
| NW | | 1.6 | 11.6 | 2.9 | | | | | | | | 15.1 | 9.3 |
| NNW | .2 | 1.1 | 10.3 | 3.1 | | | | | | | | 14.8 | 9.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.3 | //// |
| TOTALS | .7 | 14.3 | 50.9 | 22.4 | .4 | | | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS: 447

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(LIST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | | .2 | 1.6 | .3 | | | | | | | | 2.5 | 10.3 |
| NNE | | | .2 | .2 | | | | | | | | .4 | 11.5 |
| NE | .2 | | .2 | | | | | | | | | .4 | 6.5 |
| ENE | | | | | | | | | | | | | |
| E | | .4 | .4 | | | | | | | | | .8 | 7.5 |
| ESE | | | | | | | | | | | | | |
| SE | | .2 | | | | | | | | | | .2 | 4.0 |
| SSE | | | .2 | | | | | | | | | .2 | 10.0 |
| S | .2 | .2 | .8 | .4 | | | | | | | | 1.6 | 3.9 |
| SSW | .2 | 1.2 | 1.4 | .2 | | | | | | | | 3.0 | 7.5 |
| SW | .6 | 1.2 | 4.2 | .4 | | | | | | | | 6.5 | 7.8 |
| WSW | | 4.6 | 6.7 | 1.0 | | | | | | | | 12.3 | 7.6 |
| W | | 7.3 | 13.5 | 3.0 | | | | | | | | 23.8 | 3.1 |
| WNW | .5 | 4.4 | 9.5 | 2.6 | | | | | | | | 17.1 | 3.2 |
| NW | | 5.8 | 11.3 | 2.8 | | | | | | | | 20.0 | 3.3 |
| NNW | | 1.6 | 5.6 | 2.2 | .2 | | | | | | | 9.7 | 9.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 1.4 | //// | |
| TOTALS | 1.8 | 27.2 | 55.6 | 13.7 | .2 | | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS: 476

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(LOCAL): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .2 | .4 | 1.5 | .4 | | | | | | | | 2.5 | 5.1 |
| NNE | | .2 | .2 | | | | | | | | | .4 | 5.0 |
| NE | | .4 | .2 | | | | | | | | | .7 | 5.3 |
| ENE | | .2 | | | | | | | | | | .2 | 5.0 |
| E | | | .2 | | | | | | | | | .2 | 10.0 |
| ESE | | .4 | | | | | | | | | | .4 | 5.0 |
| SE | | | .2 | | | | | | | | | .2 | 10.0 |
| SSE | .2 | | | | | | | | | | | .2 | 5.0 |
| S | | .7 | .9 | | | | | | | | | 1.5 | 7.6 |
| SSW | | .9 | 1.3 | | | | | | | | | 2.2 | 7.7 |
| SW | | 4.9 | 1.5 | .2 | | | | | | | | 6.5 | 5.0 |
| WSW | .9 | 4.9 | 3.5 | .4 | | | | | | | | 9.7 | 5.5 |
| W | 1.1 | 11.5 | 7.7 | 1.5 | | | | | | | | 21.9 | 5.5 |
| WNW | 1.3 | 7.5 | 8.2 | 1.8 | | | | | | | | 13.8 | 7.0 |
| NW | .4 | 6.4 | 7.5 | 1.1 | | | | | | | | 15.2 | 7.1 |
| NWN | | 5.1 | 5.7 | 1.1 | .2 | | | | | | | 12.1 | 7.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.3 | ///// |
| TOTALS | 4.2 | 43.5 | 38.6 | 6.6 | .2 | | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS: 453

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(DST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| N | .1 | 1.2 | 3.0 | 1.2 | .0 | | | | | | | 5.5 | 3.8 |
| NNE | .1 | .5 | .4 | .4 | | | | | | | | 1.4 | 3.5 |
| NE | .1 | .3 | .2 | .0 | | | | | | | | .7 | 3.0 |
| ENE | .0 | .1 | .2 | .1 | | | | | | | | .5 | 3.2 |
| E | .2 | .4 | .5 | .1 | .0 | | | | | | | 1.2 | 7.3 |
| ESE | .0 | .1 | .1 | .0 | | | | | | | | .3 | 7.3 |
| SE | | .1 | .2 | .1 | .1 | | | | | | | .4 | 11.5 |
| SSE | .1 | .3 | .2 | .1 | .0 | | | | | | | .6 | 7.4 |
| S | .1 | .5 | .5 | .2 | | .0 | | | | | | 1.3 | 7.9 |
| SSW | .2 | 1.0 | 1.4 | .5 | .1 | | | | | | | 3.2 | 3.3 |
| SW | .2 | 1.8 | 2.4 | .6 | | | | | | | | 5.1 | 7.6 |
| WSW | .5 | 3.4 | 4.1 | .8 | .1 | | | | | | | 8.9 | 7.4 |
| W | 1.0 | 7.3 | 9.3 | 1.9 | | | | | | | | 19.5 | 7.4 |
| WNW | 1.0 | 5.9 | 7.3 | 1.6 | | | | | | | | 15.7 | 7.4 |
| NW | .4 | 4.9 | 8.6 | 2.0 | | | | | | | | 15.9 | 7.9 |
| NNW | .2 | 3.0 | 6.8 | 2.2 | .1 | | | | | | | 12.3 | 3.5 |
| VARIABLE | | | | .0 | | | | | | | | .0 | 12.0 |
| CALM | //////////////////// | | | | | | | | | | | 7.7 | //// |
| TOTALS | 4.2 | 30.7 | 45.3 | 11.7 | .5 | .0 | | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS: 3751

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(LST): 0000-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .4 | 2.5 | 2.1 | .2 | | | | | | | | 5.0 | 5.7 |
| NNE | .2 | .4 | | | | | | | | | | .6 | 4.7 |
| NE | | | .2 | | | | | | | | | .2 | 10.0 |
| ENE | | .8 | | | | | | | | | | .8 | 5.5 |
| E | .4 | .6 | .4 | | | | | | | | | 1.5 | 5.6 |
| ESE | .4 | | .2 | | | | | | | | | .5 | 4.3 |
| SE | | | .2 | | | | | | | | | .2 | 3.0 |
| SSE | .2 | .4 | .6 | .2 | | | | | | | | 1.5 | 7.7 |
| S | | .8 | 1.2 | .6 | | | | | | | | 2.7 | 3.5 |
| SSW | 1.5 | 2.1 | 1.2 | .2 | | | | | | | | 5.0 | 5.7 |
| SW | .6 | 2.5 | 1.9 | .4 | | | | | | | | 5.4 | 5.5 |
| WSW | 1.0 | 3.5 | 1.7 | .4 | | | | | | | | 5.7 | 5.5 |
| W | 2.3 | 7.5 | 4.2 | 1.2 | | | | | | | | 15.2 | 5.2 |
| WNW | 1.0 | 8.9 | 5.6 | .2 | | | | | | | | 15.8 | 5.1 |
| NW | 1.2 | 5.4 | 5.2 | .4 | | | | | | | | 12.3 | 5.6 |
| NNW | .6 | 3.7 | 5.2 | .6 | | | | | | | | 10.2 | 7.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 15.4 | //// |
| TOTALS | 10.0 | 39.1 | 29.9 | 4.6 | | | | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS: 451

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(UT): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| N | | 1.8 | 2.8 | .7 | | | | | | | | 5.3 | 8.0 |
| NNE | .2 | 1.1 | .9 | .2 | | | | | | | | 2.5 | 5.5 |
| NE | | .9 | .2 | | | | | | | | | 1.1 | 5.0 |
| ENE | .2 | .2 | .2 | | | | | | | | | .7 | 4.7 |
| E | | | .7 | | | | | | | | | .7 | 4.0 |
| ESE | .2 | | .2 | .2 | | | | | | | | .7 | 7.7 |
| SE | | | | | | | | | | | | | |
| SSE | | | .5 | | | | | | | | | .5 | 13.0 |
| S | .2 | .9 | 1.1 | | | | | | | | | 2.3 | 5.9 |
| SSW | 1.8 | 1.4 | 1.4 | .2 | | | | | | | | 4.8 | 5.4 |
| SW | .9 | 2.3 | .7 | .7 | | | | | | | | 4.5 | 5.2 |
| WSW | .5 | 3.7 | 1.4 | | | | | | | | | 5.5 | 5.5 |
| W | 1.1 | 7.3 | 4.4 | .9 | | | | | | | | 13.8 | 5.3 |
| WNW | 1.1 | 5.5 | 5.7 | | | | | | | | | 12.4 | 5.5 |
| NW | .5 | 5.3 | 6.4 | 1.1 | | | | | | | | 13.3 | 7.3 |
| NNW | .9 | 4.8 | 5.0 | .7 | | | | | | | | 11.5 | 5.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 23.4 | //// |
| TOTALS | 7.8 | 35.3 | 51.7 | 4.8 | | | | | | | | 133.3 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS: 436

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(LST): 0500-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .2 | 2.5 | 4.7 | 1.0 | | | | | | | | 8.4 | 3.2 |
| NNE | | 1.6 | 1.0 | | | | | | | | | 2.7 | 5.6 |
| NE | .2 | .8 | .4 | .2 | | | | | | | | 1.6 | 5.8 |
| ENE | .2 | .6 | .2 | .2 | | | | | | | | 1.2 | 7.2 |
| E | .2 | 1.2 | 1.2 | .2 | | | | | | | | 2.9 | 5.9 |
| ESE | .4 | | | | | | | | | | | .4 | 3.0 |
| SE | .4 | .6 | .2 | | | | | | | | | 1.2 | 4.9 |
| SSE | .6 | .2 | .6 | | | | | | | | | 1.4 | 5.3 |
| S | .2 | .4 | 1.0 | | | | | | | | | 1.6 | 5.6 |
| SSW | .4 | 1.4 | .4 | .4 | | | | | | | | 2.7 | 5.2 |
| SW | .2 | 1.4 | 1.8 | .4 | | | | | | | | 3.9 | 7.2 |
| WSW | .4 | 4.1 | 2.0 | | | | | | | | | 6.6 | 5.9 |
| W | 2.3 | 6.1 | 2.5 | .4 | | | | | | | | 11.3 | 5.5 |
| WNW | .8 | 5.5 | 3.3 | .8 | | | | | | | | 10.5 | 5.4 |
| NW | 1.2 | 4.9 | 6.8 | .6 | | | | | | | | 13.5 | 5.9 |
| NNW | .8 | 4.5 | 4.3 | 1.0 | | | | | | | | 10.7 | 7.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 19.5 | //// |
| TOTALS | 9.5 | 36.1 | 30.5 | 5.3 | | | | | | | | 133.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS: 439

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(UT): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 55 |
| V | | 1.5 | 6.3 | 1.0 | | | | | | | | 3.8 | 3.7 |
| NNE | | 1.5 | 2.4 | 1.0 | | | | | | | | 4.9 | 3.6 |
| NE | | 1.0 | .7 | | | | | | | | | 1.7 | 5.7 |
| ENE | | | .7 | 1.0 | | | | | | | | 1.7 | 7.1 |
| E | .7 | 1.2 | 1.7 | .2 | | | | | | | | 3.9 | 5.9 |
| ESE | .2 | 1.0 | .5 | | | | | | | | | 1.7 | 5.5 |
| SE | | .2 | .5 | .5 | | | | | | | | 1.2 | 9.5 |
| SSE | | .2 | .5 | .7 | | | | | | | | 1.5 | 9.8 |
| S | .5 | 1.0 | .2 | | | | | | | | | 1.7 | 4.9 |
| SSW | .5 | 2.2 | 1.2 | .7 | | | | | | | | 4.5 | 5.8 |
| SW | .5 | 1.0 | 1.2 | .7 | | | | | | | | 3.4 | 3.1 |
| WSW | .7 | 3.7 | 2.7 | 1.0 | | | | | | | | 3.3 | 7.3 |
| W | .5 | 4.6 | 5.4 | .7 | | | | | | | | 11.2 | 7.3 |
| WNW | .2 | 3.7 | 3.2 | 1.5 | | | | | | | | 3.5 | 7.7 |
| NW | .2 | 4.4 | 6.8 | 1.7 | | | | | | | | 13.2 | 7.7 |
| NNW | .7 | 4.1 | 7.8 | 3.2 | | | | | | | | 15.9 | 3.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 3.3 | //// |
| TOTALS | 4.9 | 32.0 | 42.2 | 12.9 | | | | | | | | 100.3 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS: 410

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 619410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 55 |
| V | .2 | 1.9 | 4.8 | 1.9 | .2 | | | | | | | 9.1 | 9.3 |
| NVE | | 2.3 | 2.1 | | | | | | | | | 4.4 | 7.0 |
| NE | .2 | 1.1 | 1.3 | .2 | | | | | | | | 2.7 | 7.1 |
| ENE | .2 | | .8 | | | | | | | | | 1.1 | 7.9 |
| E | | .8 | .2 | .2 | | | | | | | | 1.3 | 5.7 |
| ESE | | .2 | .4 | .2 | | | | | | | | .8 | 9.5 |
| SE | | .2 | 1.1 | .2 | | | | | | | | 1.5 | 7.4 |
| SSE | | .2 | 1.1 | | | | | | | | | 1.3 | 3.0 |
| S | .2 | 1.3 | 2.5 | .8 | | | | | | | | 4.8 | 3.3 |
| SSW | .4 | 1.7 | 2.9 | 1.7 | | .2 | | | | | | 5.9 | 3.6 |
| SW | .2 | 3.2 | 3.8 | 1.1 | | | | | | | | 8.2 | 7.7 |
| WSW | | 2.1 | 2.9 | 1.5 | | | | | | | | 5.5 | 3.4 |
| W | .5 | 4.4 | 5.5 | 1.3 | .2 | | | | | | | 12.3 | 7.7 |
| WNW | | 3.8 | 4.6 | 1.9 | | | | | | | | 10.3 | 3.4 |
| NW | | 3.8 | 7.8 | 2.5 | | | | | | | | 14.1 | 3.2 |
| NNW | .2 | 2.3 | 6.5 | 2.7 | .4 | | | | | | | 12.2 | 9.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.7 | //// |
| TOTALS | 2.1 | 29.3 | 18.4 | 16.2 | .8 | .2 | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS: 475

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS/EST: 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN (KNOTS) | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|-----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 55 |
| N | | .9 | 3.5 | 2.8 | | | | | | | | 7.3 | 9.7 |
| NNE | | .5 | .9 | | | | | | | | | 1.4 | 7.3 |
| NE | | .2 | .7 | .2 | | | | | | | | 1.2 | 3.8 |
| ENE | | | | | | | | | | | | | |
| E | .5 | .5 | | .2 | | | | | | | | 1.2 | 5.0 |
| ESE | | .2 | | | | | | | | | | .2 | 5.0 |
| SE | | | .5 | | | | | | | | | .5 | 13.0 |
| SSE | | | .9 | .9 | | | | | | | | 1.9 | 10.6 |
| S | .2 | .9 | 2.8 | 1.9 | | | | | | | | 5.4 | 9.1 |
| SSW | | 1.9 | 4.2 | 2.4 | | | | | | | | 8.5 | 9.3 |
| SW | | 2.8 | 3.1 | 1.9 | | | | | | | | 7.3 | 3.3 |
| WSW | .5 | 3.5 | 5.0 | .5 | | | | | | | | 9.4 | 7.4 |
| W | .9 | 3.1 | 8.0 | 1.7 | | | | | | | | 13.7 | 3.1 |
| WNW | .2 | 1.9 | 6.4 | 2.1 | | | | | | | | 10.5 | 3.9 |
| NW | | 4.0 | 7.3 | 2.4 | | | | | | | | 13.7 | 3.5 |
| NNW | .7 | 3.3 | 10.4 | 1.7 | | | | | | | | 15.3 | 3.4 |
| VARIABLE | | | | | .2 | | | | | | | .2 | 23.0 |
| CALM | //////////////////// | | | | | | | | | | 1.4 | //// | |
| TOTALS | 3.1 | 23.8 | 53.8 | 17.7 | .2 | | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS: 424

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(LST): 1900-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-5 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .9 | 1.7 | 2.9 | 1.1 | | | | | | | | 5.1 | 7.8 |
| NNE | | | .8 | | | | | | | | | .8 | 9.8 |
| NE | | .2 | .2 | | | | | | | | | .4 | 5.5 |
| NNE | .2 | | | | | | | | | | | .2 | 2.0 |
| E | | .8 | .2 | | | | | | | | | .6 | 5.7 |
| ESE | | | .2 | | | | | | | | | .2 | 3.0 |
| SE | | | | | | | | | | | | | |
| SSE | .2 | .4 | .4 | | | | | | | | | 1.1 | 5.0 |
| S | | .2 | 1.7 | .4 | .2 | | | | | | | 2.5 | 9.9 |
| SSW | .2 | 1.9 | 3.4 | 1.5 | | | | | | | | 6.9 | 9.5 |
| SW | | 3.4 | 5.5 | .8 | | | | | | | | 9.7 | 7.5 |
| WSW | .6 | 3.8 | 5.5 | 1.5 | | | | | | | | 11.3 | 7.6 |
| W | .9 | 4.6 | 8.2 | .8 | | | | | | | | 14.1 | 7.7 |
| WNW | 1.1 | 6.1 | 7.8 | .6 | .2 | | | | | | | 15.8 | 7.4 |
| NW | .2 | 4.8 | 9. | 1.5 | | | | | | | | 15.2 | 8.0 |
| NNW | | 2.1 | 6.7 | 2.1 | | | | | | | | 10.9 | 3.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 3.2 | //// |
| TOTALS | 3.4 | 29.6 | 53.2 | 10.3 | .4 | | | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS: 476

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(EST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | | 1.4 | 3.1 | .5 | | | | | | | | 5.0 | 3.0 |
| NNE | | | .5 | .2 | | | | | | | | .7 | 5.3 |
| NE | | | | | .2 | | | | | | | .2 | 14.0 |
| ENE | | | | .5 | | | | | | | | .5 | 13.0 |
| E | | | | .2 | | | | | | | | .2 | 13.0 |
| ESE | | | | | | | | | | | | | |
| SF | | | .7 | | | .2 | | | | | | 1.0 | 9.0 |
| SSE | | .2 | .2 | | .2 | | | | | | | .7 | 5.3 |
| S | | | 1.2 | 1.0 | .2 | | | | | | | 2.4 | 7.4 |
| SSW | | .7 | 2.4 | 2.4 | .2 | | | | | | | 5.3 | 5.3 |
| SW | | 1.2 | 3.6 | 2.9 | .5 | | | | | | | 7.9 | 5.4 |
| WSW | | .7 | 2.9 | | .7 | | | | | | | 4.3 | 5.7 |
| W | | 1.2 | 8.2 | 4.3 | 1.0 | | | | | | | 14.7 | 5.4 |
| WNW | | .7 | 5.5 | 6.7 | .5 | | | | | | | 13.5 | 5.8 |
| NW | | .7 | 7.9 | 5.5 | .7 | | | | | | | 14.9 | 5.6 |
| NNW | | .7 | 3.6 | 7.9 | 1.2 | | | | | | | 13.5 | 7.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 14.7 | //// |
| TOTALS | 6.0 | 38.2 | 34.9 | 6.0 | .2 | | | | | | | 103.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 416

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(DST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .2 | 1.8 | 3.8 | 1.1 | .0 | | | | | | | 5.9 | 3.3 |
| NNE | .1 | 1.0 | 1.1 | .1 | | | | | | | | 2.2 | 7.3 |
| NE | .1 | .5 | .5 | .1 | | | | | | | | 1.2 | 7.1 |
| ENE | .1 | .3 | .3 | .0 | | | | | | | | .8 | 5.3 |
| E | .2 | .6 | .6 | .1 | | | | | | | | 1.5 | 5.7 |
| ESE | .2 | .2 | .2 | .1 | | | | | | | | .5 | 5.3 |
| SE | .1 | .2 | .3 | .1 | .0 | | | | | | | .7 | 7.7 |
| SSE | .2 | .2 | .5 | .2 | | | | | | | | 1.2 | 3.0 |
| S | .2 | .8 | 1.5 | .4 | .0 | | | | | | | 2.9 | 3.1 |
| SSW | .7 | 1.9 | 2.1 | .9 | | .0 | | | | | | 5.6 | 7.5 |
| SW | .4 | 2.5 | 2.6 | .7 | | | | | | | | 5.3 | 7.3 |
| WSW | .5 | 3.4 | 2.7 | .7 | | | | | | | | 7.3 | 5.8 |
| W | 1.2 | 5.7 | 5.3 | 1.0 | .0 | | | | | | | 13.2 | 5.9 |
| WNW | .7 | 5.2 | 5.4 | .9 | .0 | | | | | | | 12.2 | 7.2 |
| W | .5 | 5.0 | 7.0 | 1.4 | | | | | | | | 13.9 | 7.5 |
| NNW | .6 | 3.5 | 5.7 | 1.5 | .1 | | | | | | | 12.5 | 3.0 |
| VARIABLE | | | | | .0 | | | | | | | .0 | 20.0 |
| CALM | //////////////////// | | | | | | | | | | | 13.3 | //// |
| TOTALS | 5.9 | 33.0 | 40.5 | 9.2 | .2 | .0 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 3636

11111

[Redacted]

[Redacted]

1-0

1-1

1-25

2-8
3-15
3-5
4-0
4-5

1-4

2-5

2-2

2-0

1-8

1-6

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS(UT): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .4 | 3.9 | 1.9 | .2 | | | | | | | | 5.4 | 5.3 |
| NNE | | 1.5 | .4 | .4 | | .2 | | | | | | 2.6 | 3.5 |
| NE | | .9 | .9 | .2 | | | | | | | | 1.9 | 7.4 |
| ENE | .4 | | .6 | | | | | | | | | 1.1 | 5.5 |
| E | | .4 | .2 | .2 | | | | | | | | .9 | 3.0 |
| ESE | .2 | .2 | .4 | .2 | | | | | | | | 1.1 | 7.6 |
| SE | | | .2 | .4 | | | | | | | | .6 | 11.7 |
| SSE | .2 | .9 | .2 | .2 | | | | | | | | 1.5 | 5.0 |
| S | .4 | .6 | .4 | .9 | | | | | | | | 2.4 | 3.5 |
| SSW | | 2.4 | .6 | | | | | | | | | 3.0 | 5.8 |
| SW | .4 | 2.1 | 1.3 | .2 | | | | | | | | 4.1 | 5.5 |
| WSW | .9 | 4.1 | 1.3 | .4 | | | | | | | | 5.6 | 5.8 |
| W | 1.3 | 7.5 | 2.6 | .4 | | | | | | | | 11.8 | 5.5 |
| WNW | 1.3 | 3.4 | 1.5 | .2 | .2 | | | | | | | 5.6 | 5.8 |
| NW | .4 | 3.4 | 3.0 | .9 | | | | | | | | 7.7 | 7.1 |
| NNW | .4 | 7.1 | 3.4 | .5 | | | | | | | | 11.5 | 5.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 33.2 | //// |
| TOTALS | 6.4 | 38.3 | 19.1 | 5.6 | .2 | .2 | | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS: 457

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(LST): 0000-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .3 | 3.5 | 1.9 | | | | | | | | | 5.7 | 5.5 |
| NNE | .3 | 1.9 | 1.1 | | | | | | | | | 2.7 | 5.4 |
| NE | | | | .3 | | | .3 | | | | | .5 | 13.5 |
| ENE | .5 | 1.1 | .3 | .5 | | | | | | | | 2.4 | 7.3 |
| E | .5 | 1.1 | .5 | .5 | .3 | .3 | | | | | | 3.0 | 7.9 |
| ESE | | .5 | .5 | | | | | | | | | 1.1 | 7.0 |
| SE | | .5 | .5 | .3 | | | | | | | | 1.4 | 7.2 |
| SSE | | .5 | .3 | .3 | | | | | | | | 1.1 | 3.3 |
| S | | 1.4 | .3 | .3 | | | | | | | | 1.9 | 5.5 |
| SSW | .3 | 2.7 | .3 | | | | | | | | | 3.3 | 5.0 |
| SW | .5 | 1.4 | .8 | .5 | | | | | | | | 3.3 | 5.8 |
| WSW | 1.6 | 2.2 | 3.3 | | | | | | | | | 7.0 | 5.9 |
| W | 2.7 | 8.7 | 2.7 | .3 | | | | | | | | 14.4 | 5.4 |
| WNW | .8 | 3.5 | 1.9 | | | | | | | | | 5.2 | 5.7 |
| NW | 1.1 | 5.4 | 2.2 | 1.1 | | | | | | | | 9.8 | 5.1 |
| NNW | 1.1 | 4.3 | 4.6 | .8 | | | | | | | | 10.8 | 5.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 25.5 | //// |
| TOTALS | 9.5 | 38.2 | 21.4 | 4.6 | .3 | .3 | .3 | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS: 329

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS(LST): 0500-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| V | .6 | 2.4 | 3.7 | .9 | | | | | | | | 7.6 | 7.3 |
| NNE | .2 | 1.9 | 1.5 | .4 | | | | | | | | 4.1 | 7.2 |
| NE | | .9 | .4 | .2 | | | | | | | | 1.5 | 7.9 |
| ENE | | 1.1 | .4 | .2 | | | .2 | | | | | 1.9 | 7.2 |
| E | .2 | 1.1 | 2.6 | .4 | | | | | | | | 4.3 | 7.3 |
| ESE | | .6 | 1.1 | .2 | | | | | | | | 1.9 | 7.2 |
| SE | | | | | | | | | | | | | |
| SSE | .4 | .2 | .9 | .2 | | | | | | | | 1.7 | 7.1 |
| S | .4 | 1.1 | .2 | .4 | | | | | | | | 2.2 | 7.2 |
| SSW | .4 | 1.3 | | .2 | | | | | | | | 1.9 | 5.2 |
| SW | .2 | 2.2 | .9 | .2 | | | | | | | | 3.5 | 5.3 |
| WSW | .9 | 2.4 | 1.5 | .2 | | | | | | | | 5.0 | 5.2 |
| W | .9 | 7.6 | 4.3 | | | | | | | | | 12.7 | 5.1 |
| WNW | 1.3 | 6.0 | 1.7 | .4 | | | | | | | | 9.5 | 5.8 |
| NW | 1.3 | 3.7 | 3.5 | .6 | | | | | | | | 9.1 | 5.6 |
| NNW | .4 | 3.2 | 3.9 | .9 | | | | | | | | 9.4 | 7.4 |
| VARIABLE | | | | .2 | | | | | | | | .2 | 15.7 |
| CALM | //////////////////// | | | | | | | | | | | 24.4 | //// |
| TOTALS | 7.3 | 35.6 | 26.6 | 5.8 | | | .2 | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS: 453

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS(DLST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .7 | 3.1 | 4.1 | 2.6 | | | | | | | | 13.6 | 3.5 |
| NNE | .2 | .5 | 1.7 | 1.2 | | | | | | | | 3.6 | 2.5 |
| NE | | .5 | 1.0 | .2 | | | | | | | | 1.7 | 3.3 |
| ENE | .2 | 1.0 | .7 | | | | | | | | | 1.9 | 5.9 |
| E | .7 | 2.2 | 2.4 | .7 | .2 | | | | | | | 6.2 | 7.3 |
| ESE | .5 | .2 | .5 | 1.0 | | | | | | | | 2.2 | 2.7 |
| SE | | .7 | .7 | 1.0 | | | | | | | | 2.4 | 3.6 |
| SSE | .2 | .2 | .7 | .2 | | | | | | | | 1.4 | 3.2 |
| S | .2 | 1.2 | 1.4 | | | | | | | | | 2.9 | 5.2 |
| SSW | .2 | .7 | 1.7 | .5 | | | | | | | | 3.1 | 7.7 |
| SW | .2 | 1.9 | 1.2 | .2 | .2 | | | | | | | 3.8 | 7.4 |
| WSW | 1.0 | 1.2 | 1.9 | .2 | .2 | | | | | | | 4.5 | 7.1 |
| W | 1.2 | 4.6 | 6.5 | .5 | | | | | | | | 12.7 | 5.9 |
| WNW | .5 | 4.1 | 4.1 | 1.0 | | | | | | | | 9.6 | 7.1 |
| NW | .5 | 2.4 | 4.3 | .7 | | | | | | | | 7.9 | 7.3 |
| NNW | .5 | 4.3 | 8.2 | 1.2 | | | | | | | | 14.1 | 7.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 11.3 | //// |
| TOTALS | 7.0 | 28.8 | 41.0 | 11.3 | .7 | | | | | | | 103.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 417

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS(ULST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL # | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| N | | 1.7 | 6.1 | 4.4 | | | | | | | | 12.2 | 9.8 |
| NNE | | .9 | 1.3 | 1.7 | | | | | | | | 3.9 | 9.8 |
| NE | .2 | .7 | 1.1 | .7 | | | | | | | | 2.6 | 8.4 |
| ENE | | .9 | .7 | .2 | | | | | | | | 1.7 | 7.8 |
| E | .2 | 1.1 | .4 | .7 | | | | | | | | 2.4 | 7.7 |
| ESE | | .4 | .9 | | .2 | | | | | | | 1.5 | 8.7 |
| SE | | .7 | .9 | .4 | .2 | | | | | | | 2.2 | 10.0 |
| SSE | | 1.1 | 1.5 | 1.3 | | | | | | | | 3.9 | 9.3 |
| S | .4 | .4 | 1.7 | .9 | .4 | | | | | | | 3.9 | 9.4 |
| SSW | | 2.2 | 3.1 | .7 | | | | | | | | 5.9 | 7.7 |
| SW | .2 | 1.7 | 3.5 | 1.3 | | | | | | | | 6.8 | 8.3 |
| WSW | .4 | 1.7 | 3.5 | .4 | | | | | | | | 6.1 | 8.0 |
| W | .2 | 2.2 | 5.7 | .4 | | | | | | | | 8.5 | 7.7 |
| WNW | | 2.4 | 5.7 | 1.5 | | | | | | | | 9.6 | 8.6 |
| NW | 1.3 | 4.1 | 5.9 | 1.3 | .2 | | | | | | | 12.9 | 7.6 |
| NNW | | 4.1 | 5.9 | 2.6 | | | | | | | | 12.5 | 8.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 3.3 | //// |
| TOTALS | 3.1 | 26.4 | 47.7 | 18.5 | 1.1 | | | | | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS: 459

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS(UT+1): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | | 1.6 | 7.7 | 4.2 | | | | | | | | 13.5 | 9.5 |
| NNE | | .2 | .9 | .9 | | | | | | | | 2.1 | 10.2 |
| NE | | | .7 | | | | | | | | | .7 | 8.7 |
| ENE | | | .2 | | | | | | | | | .2 | 3.3 |
| E | | .5 | 1.2 | | | | | | | | | 1.7 | 7.3 |
| ESE | | .5 | .5 | .7 | | | | | | | | 1.7 | 9.0 |
| SE | | | .2 | .5 | | | | | | | | .7 | 11.7 |
| SSE | | .2 | .5 | 1.4 | | | | | | | | 2.1 | 12.1 |
| S | | 1.2 | 1.9 | 1.4 | | | | | | | | 4.4 | 9.4 |
| SSW | .2 | .7 | 2.3 | 1.9 | | | | | | | | 5.1 | 9.5 |
| SW | .2 | 3.3 | 4.7 | .5 | .5 | | | | | | | 9.1 | 8.1 |
| WSW | | 3.3 | 3.7 | 1.6 | | | | | | | | 8.5 | 3.3 |
| W | .2 | 4.9 | 7.0 | 1.4 | | | | | | | | 13.5 | 7.7 |
| WNW | .2 | 2.1 | 4.2 | .9 | | | | | | | | 7.4 | 8.3 |
| WV | .7 | 3.3 | 8.8 | 1.6 | | | | | | | | 14.4 | 7.9 |
| NWV | .5 | 1.6 | 6.0 | 4.3 | | | | | | | | 12.1 | 9.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.3 | //// |
| TOTALS | 2.1 | 23.3 | 50.5 | 20.9 | .5 | | | | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS: 430

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS(UT): 1800-2100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|---------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 55 | | |
| N | | 2.2 | 4.7 | 1.5 | | | | | | | | 8.4 | 9.6 |
| NNE | | .2 | .4 | .5 | | | | | | | | 1.3 | 7.5 |
| NE | | .6 | .9 | | | | | | | | | 1.5 | 5.9 |
| ENE | | .2 | | | | | | | | | | .2 | 4.0 |
| E | .2 | .2 | .2 | | | | | | | | | .6 | 5.7 |
| ESE | | | .4 | | | | | | | | | .4 | 3.0 |
| SE | | | | .2 | | | | | | | | .2 | 12.0 |
| SSE | | .9 | .4 | .4 | | .2 | | | | | | 1.9 | 7.6 |
| S | | 1.1 | 1.1 | 1.3 | .2 | | | | | | | 3.7 | 7.9 |
| SSW | | 1.9 | 1.9 | .9 | | | | | | | | 4.7 | 7.9 |
| SW | .6 | 3.4 | 3.7 | .2 | | | | | | | | 8.0 | 5.7 |
| WSW | .2 | 2.2 | 4.5 | .4 | | | | | | | | 7.3 | 7.3 |
| W | 1.5 | 8.4 | 6.2 | .2 | | | | | | | | 16.3 | 5.3 |
| WNW | .6 | 4.7 | 4.5 | .4 | | | | | | | | 10.3 | 5.8 |
| NW | .6 | 5.4 | 6.7 | .6 | | | | | | | | 13.3 | 7.1 |
| NNW | .4 | 4.1 | 8.0 | 1.9 | | | | | | | | 14.4 | 7.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | //////////////////////////////////// | 7.3 | //// |
| TOTALS | 4.3 | 35.5 | 43.7 | 8.8 | .2 | .2 | | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS: 465

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS(UTC): 2100-2500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 55 | | |
| N | .5 | 4.0 | 3.3 | .3 | | | | | | | | 3.1 | 5.8 |
| NNE | | 1.0 | .5 | .3 | | | | | | | | 1.8 | 5.4 |
| NE | | .5 | | | | | | | | | | .5 | 5.0 |
| ENE | | | | .3 | | | | | | | | .3 | 14.0 |
| E | .3 | .5 | | | | | | | | | | .8 | 4.3 |
| ESE | | | | .3 | | | | | | | | .3 | 12.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | .3 | 3.3 | | | | | | | | 1.5 | 3.3 |
| S | .5 | .8 | 2.3 | .3 | | | | | | | | 3.3 | 7.5 |
| SSW | .3 | .9 | 3.0 | .3 | | | | | | | | 2.3 | 7.3 |
| SW | .5 | 2.0 | 1.0 | .3 | | | | | | | | 3.8 | 5.1 |
| WSW | .5 | 3.3 | 3.3 | | | | | | | | | 7.1 | 5.1 |
| W | 3.0 | 5.8 | 2.0 | .3 | | | | | | | | 11.1 | 5.3 |
| WNW | 1.5 | 5.0 | 3.3 | .3 | | | | | | | | 10.1 | 5.8 |
| NW | 1.5 | 7.1 | 2.8 | .3 | | | | | | | | 11.5 | 5.7 |
| NNW | .8 | 8.6 | 5.0 | .5 | | | | | | | | 14.9 | 5.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 22.4 | //// |
| TOTALS | 9.3 | 39.5 | 25.7 | 3.0 | | | | | | | | 103.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS: 327

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS/DAYS: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-63 | | |
| N | .3 | 2.8 | 4.2 | 1.9 | | | | | | | | 9.1 | 3.3 |
| NNE | .1 | 1.0 | 1.0 | .7 | | .0 | | | | | | 2.8 | 3.5 |
| NF | .0 | .5 | .7 | .2 | | | .0 | | | | | 1.4 | 3.2 |
| ENE | .1 | .5 | .4 | .1 | | | .0 | | | | | 1.2 | 7.4 |
| E | .2 | .9 | 1.0 | .3 | .1 | .0 | | | | | | 2.5 | 7.8 |
| ESE | .1 | .3 | .5 | .3 | .0 | | | | | | | 1.3 | 3.5 |
| SE | | .2 | .3 | .3 | .0 | | | | | | | .9 | 9.5 |
| SSE | .1 | .5 | .7 | .5 | | .0 | | | | | | 1.9 | 3.9 |
| S | .3 | 1.0 | 1.2 | .7 | .1 | | | | | | | 3.1 | 3.4 |
| SSW | .2 | 1.6 | 1.4 | .5 | | | | | | | | 3.7 | 7.4 |
| SW | .4 | 2.3 | 2.2 | .4 | .1 | | | | | | | 5.3 | 7.2 |
| WSW | .7 | 2.5 | 2.9 | .4 | .0 | | | | | | | 5.5 | 5.9 |
| W | 1.3 | 6.2 | 4.7 | .4 | | | | | | | | 12.6 | 5.3 |
| WNW | .8 | 3.9 | 3.4 | .6 | .0 | | | | | | | 8.7 | 5.8 |
| NW | .9 | 4.3 | 4.7 | .9 | .0 | | | | | | | 10.8 | 7.0 |
| NNW | .5 | 4.6 | 5.6 | 1.6 | | | | | | | | 12.3 | 7.5 |
| VARIABLE | | | | .0 | | | | | | | | .0 | 15.0 |
| CALM | //////////////////// | | | | | | | | | | | 15.7 | //// |
| TOTALS | 6.0 | 35.1 | 34.7 | 10.0 | .4 | .1 | .1 | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS: 3457

GLOBAL CLIMATOLOGY BRANCH
 USAF/AFAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(EST): 0000-2200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-58 |
| N | 1.0 | 6.0 | 13.8 | 2.3 | .2 | | | | | | | 25.2 | 3.1 |
| NNE | | 3.1 | 2.9 | .6 | | | | | | | | 6.6 | 2.4 |
| NE | | .4 | .2 | | | | | | | | | .6 | 3.3 |
| ENE | .2 | .8 | | | | | | | | | | 1.0 | 4.2 |
| E | | | | | .2 | | | | | | | .2 | 13.0 |
| ESE | | | | | | | | | | | | | |
| SE | | .2 | | | | | | | | | | .2 | 4.0 |
| SSE | | .2 | | | | | | | | | | .2 | 5.0 |
| S | | | .2 | | | | | | | | | .2 | 13.0 |
| SSW | .2 | 1.2 | | | | | | | | | | 1.4 | 3.1 |
| SW | | 1.0 | .2 | | | | | | | | | 1.2 | 3.8 |
| WSW | .4 | 2.7 | .6 | | | | | | | | | 3.7 | 3.2 |
| W | 1.8 | 5.1 | .8 | | | | | | | | | 7.7 | 4.7 |
| WNW | 1.2 | 3.9 | 1.4 | | | | | | | | | 5.5 | 3.1 |
| NW | 1.8 | 5.5 | 2.5 | .2 | | | | | | | | 10.1 | 3.5 |
| NNW | 1.2 | 6.2 | 4.5 | .8 | | | | | | | | 12.7 | 3.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 24.2 | //// |
| TOTALS | 8.0 | 36.3 | 27.1 | 3.9 | .4 | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS: 437

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(UT): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | 2.7 | 4.0 | 14.1 | 4.0 | | | | | | | | 24.3 | 3.5 |
| NNE | .2 | 3.5 | 4.0 | .5 | | | | | | | | 3.1 | 7.3 |
| NE | .2 | .5 | .5 | .2 | | | | | | | | 1.5 | 5.4 |
| ENE | | .2 | | | | | | | | | | .2 | 4.0 |
| E | .2 | .2 | .5 | | | .2 | | | | | | 1.7 | 2.5 |
| ESE | | | .2 | | | | | | | | | .2 | 3.0 |
| SE | .2 | | | | | | | | | | | .2 | 3.0 |
| SSE | | | | | | | | | | | | | |
| S | .5 | .7 | .2 | .2 | | | | | | | | 1.7 | 5.9 |
| SSW | .2 | .5 | .5 | | .2 | | | | | | | 1.5 | 7.7 |
| SW | | 1.5 | .2 | | | | | | | | | 1.7 | 5.7 |
| WSW | .5 | 1.5 | .5 | | | | | | | | | 2.5 | 5.3 |
| W | 1.2 | 3.0 | 2.0 | | | | | | | | | 5.2 | 5.4 |
| WNW | 1.0 | 5.7 | 1.2 | | | | | | | | | 7.9 | 5.1 |
| NW | 1.2 | 4.9 | 1.2 | | | | | | | | | 7.4 | 5.1 |
| NNW | 1.5 | 7.9 | 5.7 | .7 | | | | | | | | 13.8 | 5.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.7 | //// |
| TOTALS | 9.1 | 34.1 | 28.9 | 5.7 | .2 | .2 | | | | | | 100.3 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS: 435

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(UT): 0500-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND KTS | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|---------------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| N | .2 | 7.4 | 10.9 | 5.2 | .2 | | | | | | | 23.9 | 3.7 |
| NNE | | 2.2 | 5.0 | 1.8 | | | | | | | | 9.1 | 3.9 |
| NE | | 1.0 | .8 | .4 | | | | | | | | 2.2 | 3.3 |
| NNE | | 1.2 | .4 | .4 | | | | | | | | 2.0 | 7.4 |
| E | .2 | 1.2 | | | | | | | | | | 1.4 | 4.7 |
| ESE | .2 | | .2 | | | | | | | | | .4 | 5.0 |
| SE | | | | | | | | | | | | | |
| SSE | | .4 | | | | | | | | | | .4 | 4.5 |
| S | | .6 | .4 | | | .2 | | | | | | 1.2 | 9.5 |
| SSW | .2 | .4 | .2 | | | | | | | | | .8 | 5.5 |
| SW | .2 | .6 | .2 | | | | | | | | | 1.0 | 4.8 |
| WSW | .8 | 1.8 | .2 | .2 | | | | | | | | 3.0 | 5.0 |
| W | .4 | 4.2 | 1.2 | | | | | | | | | 5.8 | 5.1 |
| WNW | 1.4 | 3.0 | .6 | | | | | | | | | 5.0 | 4.5 |
| NW | .6 | 4.2 | 3.8 | .2 | | | | | | | | 8.9 | 5.5 |
| NNW | .4 | 7.0 | 4.8 | .8 | .2 | | | | | | | 13.7 | 5.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 21.1 | //// | |
| TOTALS | 5.0 | 35.4 | 28.8 | 9.1 | .4 | .2 | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 427

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC AIR WEATHER SERVICE/MAO FROM HOURLY OBSERVATIONS

STATION NUMBER: 016013 STATION NAME: DAMAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV 40RS(LST): 2100-2500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| N | | 2.8 | 9.3 | 23.7 | 11.4 | | | | | | | 45.2 | 7.1 |
| NNE | | | 3.5 | 8.2 | 5.7 | 4.3 | | | | | | 17.7 | 7.5 |
| NE | | | 4.5 | 1.4 | 3.3 | | | | | | | 9.2 | 8.2 |
| ENE | | | | | | | | | | | | | |
| E | | | 4.3 | | | | | | | | | 4.3 | 5.0 |
| ESE | | 4.3 | | | | | | | | | | 4.3 | 2.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | 4.3 | | | | | | | | 4.3 | 10.0 |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | 4.5 | 4.8 | | | | | | | | | 9.3 | 8.4 |
| WNW | | 4.8 | 4.3 | 4.3 | | | | | | | | 13.4 | 8.4 |
| NW | 1.1 | 2.7 | 4.8 | 4.3 | | | | | | | | 12.9 | 5.3 |
| NNW | 1.4 | 10.6 | 6.5 | 1.4 | | | | | | | | 19.9 | 5.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 5.5 | //// | |
| TOTALS | 4.9 | 26.1 | 41.1 | 19.1 | 4.3 | | | | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS: 537

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-94
 MONTH: NOV COURSE(S): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .7 | 5.7 | 20.3 | 14.1 | .2 | | | | | | | 41.0 | 7.7 |
| NNE | | 1.3 | 5.7 | 3.7 | .4 | | | | | | | 11.2 | 10.4 |
| NF | | .2 | .4 | .2 | | | | | | | | .9 | 2.3 |
| ENE | | | .2 | | | | | | | | | .2 | 10.0 |
| E | | | .2 | | | | | | | | | .2 | 7.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | .2 | | .2 | | | | | | | .4 | 9.0 |
| S | | | | | | | | | | | | | |
| SSW | .2 | | | | .2 | | | | | | | .4 | 7.0 |
| SW | .2 | | | | .2 | | | | | | | .4 | 7.0 |
| WSW | | .2 | | | | | | | | | | .2 | 4.0 |
| W | | 1.5 | .2 | | | | | | | | | 1.4 | 5.5 |
| WNW | .7 | 1.8 | .4 | | | | | | | | | 2.9 | 5.2 |
| NW | | 5.5 | 3.5 | 1.1 | | | | | | | | 10.1 | 7.2 |
| NNW | .4 | 5.7 | 15.6 | 3.7 | | | | | | | | 25.5 | 3.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 4.5 | //// | |
| TOTALS | 2.2 | 22.2 | 46.7 | 23.5 | .7 | | | | | | | 100.0 | 8.5 |

TOTAL NUMBER OF OBSERVATIONS: 454

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS(UTC): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL # | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | .2 | 2.5 | 15.4 | 27.9 | 2.7 | .2 | | | | | | 47.3 | 12.0 |
| NNE | | .2 | 4.5 | 9.7 | 1.0 | .2 | | | | | | 15.7 | 12.6 |
| NE | | .2 | .2 | .7 | | | | | | | | 1.2 | 12.0 |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | .2 | .5 | | | | | | | | | .7 | 7.7 |
| SE | | | | | | | | | | | | | |
| SSE | | | .2 | .2 | | | | | | | | .5 | 11.5 |
| S | | | .2 | .2 | | | | | | | | .5 | 9.5 |
| SSW | .2 | .7 | .2 | | | | | | | | | 1.2 | 5.3 |
| SW | | .2 | | .2 | | | | | | | | .5 | 9.0 |
| WSW | | .2 | .2 | | | | | | | | | .5 | 5.5 |
| W | | .7 | .7 | | | | | | | | | 1.5 | 5.3 |
| WNW | | 1.2 | 1.5 | | | | | | | | | 2.7 | 7.0 |
| NW | | 2.7 | 4.5 | 1.0 | | | | | | | | 8.2 | 7.9 |
| NNW | | 2.5 | 10.0 | 5.5 | | | | | | | | 17.9 | 9.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.7 | //// |
| TOTALS | .5 | 11.7 | 36.3 | 45.5 | 3.7 | .5 | | | | | | 100.0 | 13.7 |

TOTAL NUMBER OF OBSERVATIONS: 412

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS (LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | TOTAL | MEAN WIND |
|------------------------|--------------------------------------|-----|------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | | |
| N | .6 | 2.4 | 10.5 | 18.4 | 1.3 | .2 | | 33.4 | 11.4 |
| NNE | | 1.5 | 7.7 | 17.3 | 2.4 | .2 | | 29.1 | 12.4 |
| NE | | .6 | 5.8 | 8.4 | .6 | .2 | | 15.6 | 11.7 |
| ENE | | .2 | 1.5 | .2 | | | | 1.9 | 9.5 |
| E | | .9 | 2.6 | 1.7 | | | | 5.1 | 9.6 |
| ESE | | | .6 | .9 | | | | 1.5 | 11.0 |
| SE | | | .4 | | | | | .4 | 3.5 |
| SSE | | | .2 | .2 | | | | .4 | 13.5 |
| S | | | | | | | | | |
| SSW | | | | .2 | | | | .2 | 13.0 |
| SW | | | | | | | | | |
| WSW | | | | | | | | | |
| W | | .2 | | | | | | .2 | 5.0 |
| WNW | .2 | .2 | | .2 | .2 | | | .4 | 13.5 |
| WW | .2 | .9 | 1.9 | .4 | | | | 3.4 | 7.4 |
| NW | .2 | 1.5 | 3.4 | 1.7 | .2 | | | 7.1 | 9.2 |
| VARIABLE | //////////////////////////////////// | | | | | | | .5 | //// |
| TOTALS | 1.3 | 8.4 | 34.7 | 49.7 | 4.7 | .5 | | 100.0 | 11.2 |

TOTAL NUMBER OF OBSERVATIONS: 457

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS(EST): 0000-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL | MEAN WIND |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-55 | | |
| V | | 2.5 | 10.8 | 19.0 | .5 | | | | | | | 27.7 | 13.9 |
| NVE | | .5 | 11.3 | 17.2 | 2.0 | | | | | | | 32.9 | 12.2 |
| NE | | 1.2 | 5.9 | 8.6 | 1.5 | | | | | | | 17.2 | 11.5 |
| ENE | | 1.2 | 4.2 | 2.0 | | | | | | | | 7.4 | 7.3 |
| E | .2 | .5 | 4.9 | 1.2 | | | | | | | | 5.9 | 7.1 |
| ESE | | | .2 | .5 | | | | | | | | .7 | 10.7 |
| SE | | .2 | .2 | | | | | | | | | .5 | 5.5 |
| SSE | | | .2 | | | | | | | | | .2 | 7.3 |
| S | | .2 | | | | | | | | | | .2 | 4.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | .2 | | .5 | | | | | | | | | .7 | 5.0 |
| WNW | | | .2 | .2 | | | | | | | | .5 | 12.5 |
| NW | | .5 | .7 | .2 | | | | | | | | 1.5 | 5.2 |
| NNW | | 1.5 | 2.0 | .7 | | | | | | | | 4.2 | 3.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.5 | //// |
| TOTALS | .5 | 8.3 | 41.2 | 44.6 | 3.9 | | | | | | | 100.0 | 13.9 |

TOTAL NUMBER OF OBSERVATIONS: 438

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV 43JRS(LST): 3600-3600

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|---------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 55 |
| N | | 4.1 | 19.0 | 7.4 | .2 | | | | | | | 33.8 | 7.2 |
| NNE | | 4.8 | 16.2 | 7.9 | .7 | | | | | | | 29.5 | 7.5 |
| NE | .2 | 2.2 | 8.5 | 5.5 | | | | | | | | 14.4 | 7.1 |
| NNE | | 2.0 | 3.5 | .7 | | | | | | | | 5.1 | 3.0 |
| E | | .4 | .9 | .2 | | | | | | | | 1.5 | 3.4 |
| ESE | | | .4 | | | | | | | | | .4 | 2.0 |
| SE | | | .2 | | | | | | | | | .2 | 3.0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | .2 | | | | | | | | .2 | 13.0 |
| WSW | | .2 | | | | | | | | | | .2 | 4.0 |
| W | .2 | | .2 | | | | | | | | | .4 | 3.5 |
| WNW | | .4 | .2 | | | | | | | | | .7 | 5.3 |
| W | .2 | 1.1 | .7 | .4 | | | | | | | | 2.4 | 7.0 |
| NNW | .4 | 2.4 | 3.7 | .4 | | | | | | | | 7.3 | 7.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALC | | | | | | | | | | | | 5.1 | //// |
| TOTALS | 1.1 | 17.7 | 33.7 | 20.5 | .9 | | | | | | | 133.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS: 438

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV 40URSELST: 0000-0000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .3 | 9.1 | 22.9 | 9.1 | | | | | | | | 41.3 | 3.9 |
| NNE | .5 | 3.1 | 16.1 | 3.4 | .5 | | | | | | | 23.6 | 7.1 |
| NE | | .8 | 6.0 | .8 | | | | | | | | 7.6 | 7.1 |
| ENE | | .3 | 1.0 | | | | | | | | | 1.3 | 7.6 |
| E | | .5 | | .3 | | | | | | | | .8 | 7.7 |
| ESE | | | .5 | | | | | | | | | .5 | 7.5 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | .3 | | | | | | | | | .3 | 6.0 |
| SW | | | | .3 | | | | | | | | .3 | 6.0 |
| WSW | | | | | .3 | | | | | | | .3 | 11.0 |
| W | | | .8 | | | | | | | | | .8 | 4.0 |
| WNW | | | .8 | .3 | | | | | | | | 1.0 | 5.5 |
| NW | .5 | 1.6 | .5 | .5 | | | | | | | | 3.1 | 6.4 |
| NNW | .8 | 5.5 | 5.7 | 1.0 | | | | | | | | 13.0 | 7.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.2 | //// |
| TOTALS | 2.1 | 22.6 | 33.2 | 15.3 | .5 | | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS: 335

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS(UT): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL # | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .7 | 7.2 | 23.7 | 7.5 | | | | | | | | 39.2 | 3.8 |
| NNE | | 3.9 | 13.7 | 5.7 | | | | | | | | 23.3 | 7.3 |
| NE | | 2.2 | 3.7 | .7 | | | | | | | | 6.6 | 7.6 |
| ENE | | .2 | 1.1 | | | | | | | | | 1.3 | 7.7 |
| E | | .2 | .2 | | | | | | | | | .4 | 5.0 |
| ESE | | | .2 | | | | | | | | | .2 | 10.0 |
| SE | | .2 | | | | | | | | | | .2 | 4.0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | .2 | | | | | | | | | | | .2 | 2.0 |
| WSW | | .2 | .4 | | | | | | | | | .7 | 7.3 |
| W | | .7 | .4 | | | | | | | | | 1.1 | 5.8 |
| WNW | .4 | .4 | .2 | | .2 | | | | | | | 1.3 | 7.3 |
| NW | .7 | 2.2 | .2 | .4 | | | | | | | | 3.5 | 5.5 |
| NNW | 1.3 | 5.9 | 4.8 | .9 | .2 | | | | | | | 13.1 | 5.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 3.9 | //// |
| TOTALS | 3.3 | 23.3 | 48.8 | 15.3 | .4 | | | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS: 459

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS/DAY: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .6 | 5.0 | 13.4 | 8.3 | .2 | | | | | | | 27.5 | 9.4 |
| NNE | .1 | 1.6 | 3.7 | 3.3 | .2 | | | | | | | 3.8 | 10.0 |
| NE | .1 | .4 | .7 | .7 | | | | | | | | 1.9 | 9.4 |
| ENE | .0 | .4 | .2 | .1 | | | | | | | | .7 | 5.9 |
| E | .1 | .5 | .7 | .1 | .0 | .0 | | | | | | 1.0 | 5.9 |
| ESE | .0 | .1 | .1 | .0 | | | | | | | | .3 | 5.5 |
| SE | .0 | .1 | .0 | .0 | | | | | | | | .2 | 5.4 |
| SSE | | .2 | .0 | .1 | | | | | | | | .3 | 5.9 |
| S | .1 | .4 | .4 | .0 | | .0 | | | | | | .9 | 7.0 |
| SSW | .1 | .5 | .6 | .1 | .0 | | | | | | | 1.3 | 7.3 |
| SW | .2 | .9 | .8 | | .0 | | | | | | | 1.9 | 5.7 |
| WSW | .2 | 1.7 | 1.1 | .0 | | | | | | | | 3.0 | 5.0 |
| W | 1.0 | 3.8 | 2.3 | | | | | | | | | 7.2 | 5.7 |
| WNW | .9 | 3.8 | 2.0 | .7 | | | | | | | | 6.9 | 5.9 |
| NW | 1.0 | 4.4 | 4.2 | .4 | | | | | | | | 10.1 | 5.5 |
| NNW | .7 | 5.2 | 7.5 | 1.7 | .1 | | | | | | | 15.1 | 7.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 13.0 | //// |
| TOTALS | 5.3 | 29.0 | 37.2 | 15.0 | .5 | .1 | | | | | | 103.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 3626

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR GENERAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(EST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | .3 | 9.6 | 14.2 | 4.6 | | | | | | | | 28.7 | 8.3 |
| NNE | | 1.0 | 2.5 | .3 | | | | | | | | 3.8 | 3.3 |
| NE | .3 | | .3 | | | | | | | | | .5 | 5.5 |
| NNE | | .3 | | | | | | | | | | .3 | 5.0 |
| E | | .5 | | | | | | | | | | .5 | 5.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | .3 | | | | | | | | | | .3 | 4.0 |
| S | | | | | | | | | | | | | |
| SSW | | .8 | | | | | | | | | | .8 | 4.7 |
| SW | .3 | | | .3 | | | | | | | | .5 | 5.5 |
| WSW | | 1.5 | 1.5 | | | | | | | | | 3.0 | 5.4 |
| W | 2.3 | 5.6 | 1.3 | | | | | | | | | 9.1 | 4.6 |
| WNW | 1.5 | 4.3 | .3 | | | | | | | | | 6.1 | 4.3 |
| NW | 1.3 | 5.6 | 2.3 | .3 | | | | | | | | 9.4 | 5.7 |
| NNW | .3 | 3.8 | 6.3 | 1.5 | | | | | | | | 11.9 | 3.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 25.1 | //// |
| TOTALS | 6.1 | 33.2 | 28.9 | 6.6 | | | | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS: 334

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(UT): 1800-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .4 | 3.3 | 14.9 | 10.3 | .2 | | | | | | | 29.3 | 7.5 |
| NNE | | | 1.6 | .6 | .2 | | | | | | | 2.4 | 10.8 |
| NE | | .4 | | | | | | | | | | .4 | 5.0 |
| ENE | | | | | | | | | | | | | |
| E | | | .2 | .2 | .2 | | | | | | | .6 | 9.3 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | .4 | | | | | | | | | .4 | 4.5 |
| S | .2 | | .4 | | | | | | | | | .6 | 5.3 |
| SSW | .2 | | 1.2 | | | | | | | | | 1.4 | 7.9 |
| SW | .2 | 2.0 | .4 | | | | | | | | | 2.7 | 5.0 |
| WSW | .2 | 2.2 | .8 | | | | | | | | | 3.3 | 5.6 |
| W | 1.4 | 5.3 | 2.4 | | | | | | | | | 9.2 | 5.6 |
| WNW | .5 | 6.3 | 1.4 | | | | | | | | | 8.4 | 5.6 |
| NW | 1.4 | 6.5 | 5.5 | 1.0 | | | | | | | | 14.5 | 5.5 |
| NNW | .6 | 4.3 | 12.7 | 3.3 | .2 | | | | | | | 21.0 | 8.4 |
| VARIABLE | //////////////////////////////////// | | | | | | | | | | | 5.3 | //// |
| TOTALS | 5.3 | 31.0 | 41.6 | 15.1 | .6 | | | | | | | 103.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS: 470

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS/DATE: 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-55 | | |
| N | | 1.6 | 13.7 | 16.9 | | | | | | | | 32.1 | 11.1 |
| NNE | | | 1.4 | 5.2 | .2 | | | | | | | 6.8 | 12.3 |
| NE | .2 | .2 | .2 | .2 | | | | | | | | .9 | 3.5 |
| ENE | | | | | | | | | | | | | |
| E | .2 | .2 | | | | | | | | | | .5 | 4.5 |
| ESE | | .2 | | | | | | | | | | .2 | 4.0 |
| SE | | | | | | | | | | | | | |
| SSE | | .2 | | | | | | | | | | .2 | 5.0 |
| S | .2 | .5 | .9 | | | | | | | | | 1.6 | 5.9 |
| SSW | | .2 | 1.1 | .5 | | | | | | | | 1.8 | 9.4 |
| SW | | .9 | 2.5 | | | | | | | | | 3.4 | 7.7 |
| WSW | | .9 | 3.0 | | | | | | | | | 3.9 | 7.3 |
| W | .5 | 2.3 | 5.2 | | | | | | | | | 8.0 | 7.5 |
| WNW | .5 | 2.7 | 3.0 | .9 | | | | | | | | 7.1 | 7.4 |
| NW | .2 | 2.5 | 8.0 | .9 | | | | | | | | 11.6 | 3.3 |
| NNW | .5 | 3.0 | 12.5 | 4.3 | | | | | | | | 23.3 | 3.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.5 | //// |
| TOTALS | 2.3 | 15.5 | 31.5 | 28.9 | .2 | | | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS: 439

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | | 3.5 | 12.4 | 13.4 | .8 | | | | | | | 30.1 | 13.5 |
| NNE | | 1.2 | 5.5 | 10.0 | .6 | | | | | | | 17.3 | 11.5 |
| NE | | | 1.4 | 2.0 | | | | | | | | 3.5 | 11.5 |
| ENE | | | .9 | .2 | | | | | | | | .5 | 10.0 |
| E | | .9 | .2 | .2 | | | | | | | | .8 | 7.3 |
| ESE | | .4 | .2 | | | | | | | | | .5 | 5.7 |
| SE | | .8 | | .2 | | | | | | | | 1.0 | 5.8 |
| SSE | | .2 | .2 | .2 | | | | | | | | .6 | 9.3 |
| S | | .6 | .4 | | | | | | | | | 1.0 | 7.2 |
| SSW | | .4 | 1.0 | .2 | | | | | | | | 1.6 | 8.5 |
| SW | .4 | .8 | 2.0 | | .2 | | | | | | | 3.5 | 7.9 |
| WSW | | .6 | 1.8 | | | | | | | | | 2.4 | 7.5 |
| W | .2 | 2.0 | 3.1 | | | | | | | | | 5.3 | 5.9 |
| WNW | .4 | 1.6 | 3.5 | .2 | | | | | | | | 5.7 | 7.3 |
| NW | .4 | 3.3 | 5.7 | .6 | | | | | | | | 10.0 | 7.5 |
| NNW | .2 | 3.9 | 8.8 | 1.6 | | | | | | | | 14.5 | 8.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.4 | //// |
| TOTALS | 1.6 | 19.8 | 46.6 | 28.9 | 1.6 | | | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS: 471

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(LOCAL): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL # | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | .7 | 5.0 | 13.9 | 9.7 | | | | | | | | 29.3 | 9.6 |
| NNE | .2 | 1.9 | 6.6 | 6.5 | .2 | | | | | | | 15.5 | 13.4 |
| NE | .2 | .2 | 2.4 | 2.8 | | | | | | | | 5.7 | 10.2 |
| ENE | | .5 | .7 | | | | | | | | | 1.2 | 7.2 |
| E | .5 | .9 | 1.2 | | | | | | | | | 2.6 | 5.9 |
| ESE | | .5 | | .2 | | | | | | | | .7 | 7.0 |
| SE | | | .2 | | | | | | | | | .2 | 13.0 |
| SSE | | | | .2 | | | | | | | | .2 | 14.0 |
| S | .2 | .5 | .2 | | | | | | | | | .9 | 5.3 |
| SSW | | .7 | .2 | | | | | | | | | .9 | 5.3 |
| WSW | .2 | .2 | .2 | | | | | | | | | .7 | 5.3 |
| WSM | | 2.1 | .2 | | | | | | | | | 2.4 | 5.5 |
| W | .7 | 2.8 | 2.6 | | | | | | | | | 5.1 | 5.5 |
| WNW | .9 | 2.8 | 4.7 | .2 | | | | | | | | 9.7 | 7.1 |
| WW | .7 | 2.8 | 4.5 | .2 | | | | | | | | 9.3 | 7.3 |
| NW | .7 | 5.4 | 5.9 | .5 | | | | | | | | 12.5 | 5.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.8 | //// |
| TOTALS | 5.2 | 26.5 | 43.7 | 20.6 | .2 | | | | | | | 133.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS: 423

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS(DLST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 55 | | |
| N | .4 | 5.2 | 17.9 | 13.7 | .5 | .1 | | | | | | 37.9 | 13.0 |
| NNE | .1 | 2.4 | 13.4 | 6.9 | .9 | .1 | | | | | | 22.8 | 13.7 |
| NE | .0 | 1.0 | 4.1 | 3.0 | .3 | .0 | | | | | | 8.4 | 10.2 |
| NNE | | .5 | 1.5 | .4 | | | | | | | | 2.5 | 8.6 |
| E | .0 | .4 | 1.1 | .4 | | | | | | | | 1.9 | 9.0 |
| ESE | .0 | .0 | .3 | .2 | | | | | | | | .6 | 9.3 |
| SE | | .1 | .1 | | | | | | | | | .2 | 7.0 |
| SSE | | .0 | .1 | .1 | | | | | | | | .2 | 13.1 |
| S | | .0 | .0 | .0 | | | | | | | | .1 | 7.7 |
| SSW | .1 | .1 | .0 | .1 | | | | | | | | .3 | 5.4 |
| SW | .1 | .0 | .1 | .1 | | | | | | | | .2 | 7.4 |
| WSW | | .1 | .1 | .0 | | | | | | | | .2 | 5.8 |
| W | .1 | .6 | .3 | | | | | | | | | 1.0 | 5.4 |
| WNW | .3 | .6 | .4 | .1 | .1 | | | | | | | 1.4 | 5.5 |
| NW | .3 | 2.1 | 1.6 | .5 | | | | | | | | 4.5 | 5.9 |
| NNW | .5 | 4.3 | 6.5 | 1.9 | .1 | | | | | | | 13.3 | 7.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.5 | //// |
| TOTALS | 1.9 | 17.6 | 44.5 | 29.3 | 1.9 | .1 | | | | | | 133.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS: 3433

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFLTAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS(LST): 0000-0200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-65 |
| N | | 8.7 | 16.0 | 6.3 | | | | | | | | 31.0 | 9.5 |
| NNE | .2 | 6.7 | 22.5 | 7.5 | .2 | | | | | | | 37.1 | 9.0 |
| NE | .4 | 1.2 | 10.5 | 3.7 | | | | | | | | 15.8 | 9.2 |
| NNE | | | .8 | .4 | | | | | | | | 1.2 | 10.0 |
| E | | .2 | .6 | .2 | | | | | | | | 1.0 | 9.2 |
| ESE | | | | | | | | | | | | .2 | 12.0 |
| SE | | | | | .2 | | | | | | | .2 | 12.0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | .2 | | | | | | | | .2 | 9.0 |
| WSW | | .2 | | | | | | | | | | .2 | 9.0 |
| W | | .2 | | | | | | | | | | .2 | 9.0 |
| WNW | | .4 | .2 | | | | | | | | | .5 | 9.3 |
| W | | .8 | .6 | | | | | | | | | 1.4 | 9.7 |
| WNW | .4 | 2.2 | 3.4 | .6 | .2 | | | | | | | 5.9 | 7.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.1 | //// |
| TOTALS | 1.0 | 20.7 | 55.0 | 18.9 | .4 | | | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS: 493

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR GENERAL

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS(LST): 0300-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| N | | 5.8 | 13.1 | 4.2 | | | | | | | | 23.0 | 3.5 |
| NNE | | 6.5 | 24.9 | 9.4 | | | | | | | | 40.8 | 7.2 |
| NE | | 1.8 | 12.8 | 6.6 | .3 | | | | | | | 21.5 | 13.4 |
| NNE | | | .3 | 1.3 | 1.3 | | | | | | | 2.9 | 13.5 |
| E | | | .3 | | | | | | | | | .3 | 5.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | .3 | | | | | | | .3 | 12.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | .3 | | | | | | | | .3 | 8.0 |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NW | .3 | .5 | 2.1 | 1.6 | | | | | | | | 4.5 | 9.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.5 | //// |
| TOTALS | .3 | 15.2 | 54.5 | 25.4 | .3 | | | | | | | 100.0 | 9.0 |

TOTAL NUMBER OF OBSERVATIONS: 352

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS(EST): 0500-0900

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL (%) | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-55 | | |
| N | | 2.9 | 8.3 | 4.2 | | | | | | | | 15.4 | 9.1 |
| NNE | | 5.0 | 21.2 | 13.1 | | | | | | | | 39.3 | 9.8 |
| NE | .2 | 2.5 | 18.7 | 8.1 | .4 | | | | | | | 30.3 | 9.7 |
| ENE | | 1.9 | 4.8 | 1.0 | | | | | | | | 7.7 | 3.5 |
| E | | .2 | .8 | .2 | | | | | | | | 1.2 | 2.2 |
| ESE | | | .2 | | | | | | | | | .2 | 10.0 |
| SE | | | | .4 | | | | | | | | .4 | 11.5 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | .2 | | | | | | | | .2 | 13.0 |
| SW | | | | | .2 | | | | | | | .2 | 13.0 |
| WSW | | .2 | | | | | | | | | | .2 | 5.0 |
| W | | | | | | | | | | | | | |
| WNW | | .4 | | | | | | | | | | .4 | 5.0 |
| WV | | .2 | | | | | | | | | | .2 | 4.0 |
| NWV | .2 | .4 | 1.0 | .5 | .2 | | | | | | | 2.5 | 9.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.9 | //// |
| TOTALS | .4 | 13.7 | 35.2 | 27.9 | .8 | | | | | | | 100.0 | 9.4 |

TOTAL NUMBER OF OBSERVATIONS: 433

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS/DATE: 0900-1100

| DIRECTION (DEGR. ES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL # | MEAN WIND | |
|-------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | .2 | .7 | 5.4 | 3.1 | .2 | | | | | | | 9.7 | 9.8 |
| NNE | | 2.1 | 12.5 | 18.4 | 1.7 | .2 | | | | | | 34.9 | 11.5 |
| NE | | 1.9 | 14.2 | 17.5 | 1.7 | | | | | | | 35.1 | 11.4 |
| ENE | | 1.2 | 7.5 | 3.3 | | | | | | | | 12.0 | 9.5 |
| E | | | 2.8 | 1.9 | | | | | | | | 4.7 | 10.5 |
| ESE | | | .5 | .2 | | | | | | | | .7 | 10.7 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | .2 | | | | | | | | | | | .2 | 5.0 |
| W | | | | | | | | | | | | | |
| WNW | | .2 | | | | | | | | | | .2 | 5.0 |
| NW | | | | | | | | | | | | | |
| NNW | | .2 | .5 | .2 | | | | | | | | .9 | 9.5 |
| VARIABLE | | | .5 | | | | | | | | | .5 | 10.0 |
| CALM | //////////////////// | | | | | | | | | | .9 | //// | |
| TOTALS | .5 | 6.4 | 13.9 | 44.6 | 3.5 | .2 | | | | | | 100.0 | 10.9 |

TOTAL NUMBER OF OBSERVATIONS: 424

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS (GMT): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | | 2.8 | 6.8 | 10.5 | 1.9 | | | | | | | 22.1 | 1.4 |
| NNE | .2 | 1.3 | 16.2 | 22.1 | 3.4 | | | | | | | 43.2 | 11.9 |
| NE | .4 | .2 | 4.5 | 14.9 | 1.5 | .4 | | | | | | 21.9 | 12.5 |
| ENE | | | 1.3 | 1.7 | .2 | | | | | | | 3.2 | 11.5 |
| E | | .2 | 2.8 | 1.5 | | | | | | | | 4.5 | 10.0 |
| ESE | | | .4 | .6 | | | | | | | | 1.1 | 10.2 |
| SE | | | .6 | | | | | | | | | .5 | 7.7 |
| SSE | | | .2 | | | | | | | | | .2 | 8.0 |
| S | | | | .2 | | | | | | | | .2 | 12.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | .4 | | | | | | | | | | .4 | 5.0 |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | .2 | | .2 | | | | | | | .4 | 12.5 |
| NNW | | .6 | .9 | | | | | | | | | 1.5 | 7.0 |
| VARIABLE | //////////////////////////////////// | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | .5 | //// |
| TOTALS | .6 | 5.5 | 33.4 | 51.7 | 7.2 | .4 | | | | | | 100.0 | 11.6 |

TOTAL NUMBER OF OBSERVATIONS: 473

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS(UT): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-55 |
| N | .2 | 2.3 | 13.2 | 31.9 | 3.2 | .2 | | | | | | 51.0 | 12.2 |
| NNE | .2 | .9 | 7.3 | 17.5 | 1.1 | | | | | | | 27.1 | 12.0 |
| NE | | | 1.4 | 1.1 | | | | | | | | 2.5 | 13.6 |
| ENE | | | .7 | .5 | | | | | | | | 1.1 | 13.8 |
| E | | .2 | .5 | .7 | | | | | | | | 1.4 | 9.7 |
| ESE | | .2 | | | | | | | | | | .2 | 5.0 |
| SE | | | .2 | .2 | | | | | | | | .5 | 13.5 |
| SSE | | | .2 | | | | | | | | | .2 | 13.0 |
| S | | .5 | | | | | | | | | | .5 | 5.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | .2 | | | | | | | | | .2 | 3.0 |
| WSW | | | | | | | | | | | | | |
| W | | | .2 | | | | | | | | | .2 | 3.0 |
| WNW | | .7 | .5 | | | | | | | | | 1.1 | 5.2 |
| NW | | 1.4 | 1.4 | .2 | | | | | | | | 3.0 | 7.5 |
| NNW | | 2.1 | 5.7 | 2.3 | | | | | | | | 10.0 | 3.9 |
| VARIABLE | | | | .2 | | | | | | | | .2 | 13.0 |
| CALM | //////////////////// | | | | | | | | | | .7 | //// | |
| TOTALS | .5 | 8.2 | 31.4 | 54.7 | 4.3 | .2 | | | | | | 100.0 | 11.4 |

TOTAL NUMBER OF OBSERVATIONS: 459

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAAR GENERAL

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS(DLST): 1800-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | 56-59 |
| N | | 2.9 | 23.4 | 19.3 | | | | | | | | 45.6 | 10.4 |
| NNE | | 1.6 | 12.6 | 10.8 | .4 | | | | | | | 25.5 | 10.5 |
| NE | | .2 | 1.2 | .8 | | | | | | | | 2.2 | 10.1 |
| ENE | | .2 | .2 | .9 | | | | | | | | .3 | 10.5 |
| E | | | .2 | .2 | | | | | | | | .4 | 11.0 |
| ESE | | | .4 | .2 | | | | | | | | .6 | 10.3 |
| SE | | | | | | | | | | | | | |
| SSE | | .2 | | | | | | | | | | .2 | 5.0 |
| S | | | .2 | | | | | | | | | .2 | 5.0 |
| SSW | .2 | | | | | | | | | | | .2 | 3.0 |
| SW | | | | | | | | | | | | | |
| WSW | | | .2 | | | | | | | | | .2 | 5.0 |
| W | | .2 | .2 | | | | | | | | | .4 | 5.5 |
| WNW | .8 | .2 | .4 | .2 | | | | | | | | 1.6 | 5.4 |
| NW | | 1.8 | 2.4 | .4 | | | | | | | | 4.7 | 7.3 |
| NNW | .4 | 3.5 | 9.4 | 2.2 | .2 | | | | | | | 15.7 | 3.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.5 | //// |
| TOTALS | 1.4 | 10.8 | 50.9 | 34.6 | .6 | | | | | | | 100.0 | 9.7 |

TOTAL NUMBER OF OBSERVATIONS: 491

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS(EST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL # | MEAN WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 55 |
| N | .3 | 9.9 | 24.9 | 7.3 | | | | | | | | 42.4 | 8.5 |
| NNE | .3 | 5.8 | 21.5 | 6.0 | | | | | | | | 33.5 | 9.1 |
| NE | | .5 | 4.7 | 1.0 | | | | | | | | 6.7 | 9.0 |
| ENE | | | .3 | | | | | | | | | .3 | 10.0 |
| E | | .3 | | .3 | | | | | | | | .5 | 10.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | .3 | | | | | | | | | | .3 | 4.0 |
| SW | .3 | | | | | | | | | | | .3 | 3.0 |
| WSW | | .3 | | | | | | | | | | .3 | 5.0 |
| W | | | | | | | | | | | | | |
| WNW | | .5 | | | | | | | | | | .5 | 5.5 |
| NW | .3 | 1.0 | | .3 | | | | | | | | 1.6 | 5.5 |
| NNW | .5 | 3.9 | 4.5 | 1.6 | | | | | | | | 10.5 | 7.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 3.7 | //// |
| TOTALS | 1.6 | 22.5 | 55.8 | 16.5 | | | | | | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS: 332

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 015410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS/SET: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL & | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | .1 | 4.4 | 13.8 | 11.0 | .7 | .0 | | | | | | 30.0 | 10.0 |
| NNE | .1 | 3.7 | 17.2 | 13.2 | .9 | .0 | | | | | | 35.1 | 10.4 |
| NF | .1 | 1.0 | 8.5 | 6.9 | .5 | .1 | | | | | | 17.1 | 10.5 |
| EVE | | .4 | 2.1 | 1.1 | .0 | | | | | | | 3.7 | 7.7 |
| E | | .2 | 1.0 | .6 | | | | | | | | 1.8 | 7.9 |
| ESE | | .0 | .2 | .1 | | | | | | | | .4 | 7.8 |
| SF | | | .1 | .1 | | | | | | | | .2 | 10.5 |
| SSE | | .0 | .1 | | | | | | | | | .1 | 8.0 |
| S | | .1 | .0 | .1 | | | | | | | | .1 | 8.8 |
| SSW | .0 | .0 | | .0 | | | | | | | | .1 | 5.7 |
| SW | .0 | | .1 | | .0 | | | | | | | .1 | 7.3 |
| WSW | .0 | .1 | .1 | | | | | | | | | .2 | 5.5 |
| W | | .1 | .1 | | | | | | | | | .1 | 5.8 |
| WNW | .1 | .3 | .1 | .1 | | | | | | | | .5 | 5.5 |
| NW | .0 | .7 | .6 | .1 | .0 | | | | | | | 1.5 | 7.0 |
| NWN | .2 | 1.7 | 3.5 | 1.1 | .1 | | | | | | | 5.5 | 8.4 |
| VARIABLE | | | .1 | .0 | | | | | | | | .1 | 11.0 |
| CALM | //////////////////// | | | | | | | | | | | 2.7 | //// |
| TOTALS | .9 | 12.7 | 47.5 | 34.5 | 2.2 | .1 | | | | | | 100.0 | 9.8 |

TOTAL NUMBER OF OBSERVATIONS: 3531

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: ALL HOURS/DAYS: ALL

| DIRECTION (DEGR.FSI) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|-------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-59 | | |
| N | .3 | 3.0 | 13.5 | 11.2 | 1.4 | .0 | .0 | | | | | 25.4 | 13.8 |
| NNE | .1 | 1.5 | 6.7 | 6.3 | .9 | .1 | | | | | | 15.6 | 13.9 |
| NE | .1 | .6 | 2.8 | 1.9 | .2 | .0 | .0 | | | | | 5.5 | 13.3 |
| ENE | .0 | .3 | .7 | .3 | .0 | | .0 | | | | | 1.3 | 8.3 |
| E | .1 | .3 | .5 | .3 | .0 | .0 | | | | | | 1.2 | 8.5 |
| ESE | .0 | .1 | .2 | .1 | .0 | | | | | | | .4 | 8.6 |
| SF | .0 | .1 | .1 | .1 | .0 | | | | | | | .3 | 8.9 |
| SSE | .0 | .1 | .2 | .1 | .0 | .0 | .0 | | | | | .4 | 8.5 |
| S | .1 | .3 | .3 | .1 | .0 | .0 | | | | | | .8 | 7.9 |
| SSW | .1 | .5 | .6 | .2 | .0 | .0 | | | | | | 1.5 | 7.6 |
| SW | .1 | .8 | .9 | .2 | .0 | | | | | | | 2.0 | 7.3 |
| WSW | .2 | 1.2 | 1.1 | .2 | .0 | | | | | | | 2.7 | 6.9 |
| W | .5 | 2.7 | 2.4 | .4 | .0 | | | | | | | 5.0 | 6.7 |
| WNW | .4 | 2.5 | 2.3 | .4 | .0 | | | | | | | 5.7 | 7.0 |
| NW | .4 | 3.1 | 4.4 | 1.3 | .0 | .0 | | | | | | 7.1 | 7.8 |
| NNW | .3 | 3.2 | 7.5 | 3.9 | .2 | | | | | | | 15.1 | 9.0 |
| VARIABLE | | | .0 | .0 | .0 | | | | | | | .0 | 15.0 |
| CALM | //////////////////////////////////// | | | | | | | | | | | 5.0 | //// |
| TOTALS | 2.7 | 20.2 | 41.2 | 26.9 | 2.9 | .1 | .0 | | | | | 100.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS: 42470

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75 55
MONTHS ALL 4009600000 ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE
AND/OR
CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | M. M. WIND | |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|---------------|------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | |
| N | .2 | 3.0 | 8.9 | 9.5 | 1.2 | .1 | .0 | | | | | 25.0 | 11.5 |
| NNE | .1 | 2.2 | 10.5 | 7.9 | 1.1 | .0 | | | | | | 21.0 | 10.1 |
| NE | .1 | 1.0 | 5.9 | 5.0 | .3 | .0 | | | | | | 13.3 | 11.1 |
| ENE | .0 | .4 | 1.3 | .6 | .0 | | | | | | | 2.3 | 2.2 |
| E | .1 | .4 | 1.0 | .7 | .0 | .0 | | | | | | 2.2 | 2.7 |
| ESE | | .1 | .2 | .2 | | | | | | | | .4 | 13.1 |
| SE | | .1 | .0 | .0 | .1 | | | | | | | .2 | 11.5 |
| SSE | .0 | .1 | .2 | .1 | | | .0 | | | | | .4 | 2.8 |
| S | .0 | .2 | .3 | .2 | | | | | | | | .7 | 2.2 |
| SSW | .1 | .4 | .5 | .1 | | .0 | | | | | | 1.1 | 7.5 |
| SW | .1 | .6 | .7 | .2 | .0 | | | | | | | 1.5 | 7.5 |
| WSW | .1 | .8 | .6 | .1 | | | | | | | | 1.6 | 5.9 |
| W | .5 | 2.4 | 2.2 | .2 | .0 | | | | | | | 5.3 | 5.7 |
| WNW | .3 | 2.1 | 2.0 | .3 | .0 | | | | | | | 4.7 | 7.0 |
| NW | .3 | 2.9 | 3.6 | 1.0 | | | | | | | | 7.9 | 7.5 |
| NNW | .3 | 3.0 | 5.4 | 2.9 | .1 | | | | | | | 11.7 | 3.7 |
| VARIABLE | | | | .0 | .0 | | | | | | | .1 | 19.0 |
| CALM | //////////////////// | | | | | | | | | | 4.8 | //// | |
| TOTALS | 2.2 | 19.6 | 43.3 | 26.9 | 2.9 | .2 | .0 | | | | | 100.0 | 9.0 |

TOTAL NUMBER OF OBSERVATIONS: 5298

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CEILING VERSUS VISIBILITY

PART 3

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 hourly observations, and the tables are presented by month and available 3-hour groups.

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 minima may be determined from the figure at the intersection of the appropriate ceiling column and *visibility* row.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the 10 mi visibility category should be used with great caution.

For overseas civilian stations reporting "CAVOK", all ceilings greater than 5,000 feet are suppressed into the 5,000 foot ceiling class.

GLOBAL CLIMATOLOGY BRANCH
 OSAF/CIAC
 AIR WEATHER SERVICE/MAE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILINGS VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 016413 STATION NAME: JAKARTA GENERAL

PERIOD OF RECORD: 75-85
 MONTH: JAN HOURS(UT): 0000-0200

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1 | 1/2 | 3/8 | 1/4 | 3/16 | 1/8 | 1/4 | 1/2 | 3/8 | 1/4 | 1/8 | 1/4 | 1/2 | 3/8 | 1/4 | 1/8 |
| NO CEIL | 4 | 7.6 | 31.6 | 49.3 | 51.0 | 55.6 | 55.5 | 55.5 | 55.9 | 55.2 | 55.2 | 56.9 | 57.7 | 57.9 | 57.9 | 57.9 |
| GE 20000 | 4 | 10.0 | 37.6 | 56.2 | 60.7 | 55.0 | 65.0 | 74.9 | 79.4 | 80.9 | 80.9 | 81.5 | 82.4 | 82.5 | 82.5 | 82.3 |
| GE 18000 | 4 | 10.0 | 37.6 | 55.4 | 60.7 | 55.2 | 55.2 | 75.2 | 79.6 | 81.1 | 81.1 | 81.7 | 82.5 | 82.3 | 82.3 | 82.3 |
| GE 16000 | 4 | 10.0 | 37.6 | 56.4 | 60.9 | 55.2 | 56.2 | 75.2 | 79.6 | 81.1 | 81.1 | 81.7 | 82.5 | 82.3 | 82.3 | 82.3 |
| GE 14000 | 4 | 10.0 | 38.0 | 56.5 | 61.1 | 55.5 | 56.5 | 75.4 | 79.5 | 81.3 | 81.3 | 82.0 | 82.9 | 83.0 | 83.0 | 83.2 |
| GE 12000 | 4 | 12.1 | 44.8 | 58.5 | 71.1 | 75.6 | 75.5 | 85.8 | 93.2 | 91.7 | 91.7 | 92.4 | 93.3 | 94.1 | 94.1 | 94.3 |
| GE 10000 | 4 | 12.1 | 44.8 | 58.5 | 71.1 | 75.6 | 75.5 | 85.8 | 93.2 | 91.7 | 91.7 | 92.4 | 93.3 | 94.1 | 94.1 | 94.3 |
| GE 9000 | 4 | 12.1 | 44.8 | 58.5 | 71.1 | 75.6 | 75.5 | 85.8 | 93.2 | 91.7 | 91.7 | 92.4 | 93.3 | 94.1 | 94.1 | 94.3 |
| GE 8000 | 4 | 12.1 | 44.8 | 58.5 | 71.1 | 75.6 | 75.5 | 85.8 | 93.2 | 91.7 | 91.7 | 92.4 | 93.3 | 94.1 | 94.1 | 94.3 |
| GE 7000 | 4 | 12.1 | 44.8 | 58.5 | 71.1 | 75.6 | 75.5 | 85.8 | 93.2 | 91.7 | 91.7 | 92.4 | 93.3 | 94.1 | 94.1 | 94.3 |
| GE 6000 | 4 | 12.1 | 44.8 | 58.5 | 71.1 | 75.6 | 75.5 | 85.8 | 93.2 | 91.7 | 91.7 | 92.4 | 93.3 | 94.1 | 94.1 | 94.3 |
| GE 5000 | 4 | 17.6 | 50.3 | 74.1 | 76.5 | 82.2 | 82.2 | 91.3 | 95.8 | 97.2 | 97.2 | 97.9 | 99.4 | 99.5 | 99.5 | 99.3 |
| GE 4500 | 4 | 17.6 | 50.3 | 74.1 | 76.5 | 82.2 | 82.2 | 91.3 | 95.8 | 97.2 | 97.2 | 97.9 | 99.4 | 99.5 | 99.5 | 99.3 |
| GE 4000 | 4 | 17.6 | 50.3 | 74.1 | 76.5 | 82.2 | 82.2 | 91.3 | 95.8 | 97.2 | 97.2 | 97.9 | 99.4 | 99.5 | 99.5 | 99.3 |
| GE 3500 | 4 | 17.6 | 50.3 | 74.1 | 76.5 | 82.2 | 82.2 | 91.3 | 95.8 | 97.2 | 97.2 | 97.9 | 99.4 | 99.5 | 99.5 | 99.3 |
| GE 3000 | 4 | 17.6 | 50.3 | 74.1 | 76.5 | 82.2 | 82.2 | 91.3 | 95.8 | 97.2 | 97.2 | 97.9 | 99.4 | 99.5 | 99.5 | 99.3 |
| GE 2500 | 4 | 17.6 | 50.3 | 74.1 | 76.5 | 82.2 | 82.2 | 91.3 | 95.8 | 97.2 | 97.2 | 97.9 | 99.4 | 99.5 | 99.5 | 99.3 |
| GE 2000 | 4 | 17.6 | 50.3 | 74.1 | 76.5 | 82.2 | 82.2 | 91.3 | 95.8 | 97.2 | 97.2 | 97.9 | 99.4 | 99.5 | 99.5 | 99.3 |
| GE 1500 | 4 | 17.6 | 50.3 | 74.1 | 76.5 | 82.2 | 82.2 | 91.3 | 95.8 | 97.2 | 97.2 | 97.9 | 99.4 | 99.5 | 99.5 | 99.3 |
| GE 1000 | 4 | 17.6 | 50.3 | 74.1 | 76.5 | 82.2 | 82.2 | 91.3 | 95.8 | 97.2 | 97.2 | 97.9 | 99.4 | 99.5 | 99.5 | 99.3 |
| GE 900 | 4 | 17.6 | 50.3 | 74.1 | 76.5 | 82.2 | 82.2 | 91.3 | 95.8 | 97.2 | 97.2 | 97.9 | 99.4 | 99.5 | 99.5 | 99.3 |
| GE 800 | 4 | 17.6 | 50.3 | 74.3 | 75.9 | 82.4 | 82.4 | 91.5 | 96.0 | 97.5 | 97.5 | 98.1 | 99.5 | 99.3 | 99.8 | 100.0 |
| GE 700 | 4 | 17.6 | 50.5 | 74.3 | 75.9 | 82.4 | 82.4 | 91.5 | 96.0 | 97.5 | 97.5 | 98.1 | 99.5 | 99.3 | 99.8 | 100.0 |
| GE 600 | 4 | 17.6 | 50.5 | 74.3 | 75.9 | 82.4 | 82.4 | 91.5 | 96.0 | 97.5 | 97.5 | 98.1 | 99.5 | 99.3 | 99.8 | 100.0 |
| GE 500 | 4 | 17.6 | 50.5 | 74.3 | 75.9 | 82.4 | 82.4 | 91.5 | 96.0 | 97.5 | 97.5 | 98.1 | 99.5 | 99.3 | 99.8 | 100.0 |
| GE 400 | 4 | 17.6 | 50.5 | 74.3 | 75.9 | 82.4 | 82.4 | 91.5 | 96.0 | 97.5 | 97.5 | 98.1 | 99.5 | 99.3 | 99.8 | 100.0 |
| GE 300 | 4 | 17.6 | 50.5 | 74.3 | 75.9 | 82.4 | 82.4 | 91.5 | 96.0 | 97.5 | 97.5 | 98.1 | 99.5 | 99.3 | 99.8 | 100.0 |
| GE 200 | 4 | 17.6 | 50.5 | 74.3 | 75.9 | 82.4 | 82.4 | 91.5 | 96.0 | 97.5 | 97.5 | 98.1 | 99.5 | 99.3 | 99.8 | 100.0 |
| GE 100 | 4 | 17.6 | 50.5 | 74.3 | 75.9 | 82.4 | 82.4 | 91.5 | 96.0 | 97.5 | 97.5 | 98.1 | 99.5 | 99.3 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 471

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: FEB HOURS(UTC): 1500-1700

| CEILING IN FEET | VISIBILITY IN 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 |
| NO CEIL | 19.4 | 30.2 | 42.4 | 45.9 | 48.3 | 48.8 | 52.2 | 55.3 | 57.9 | 57.9 | 58.1 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 20000 | 26.4 | 42.4 | 58.7 | 61.4 | 65.4 | 65.9 | 72.1 | 75.5 | 78.0 | 78.0 | 78.3 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 18000 | 26.4 | 42.4 | 58.7 | 61.4 | 65.4 | 65.9 | 72.1 | 75.5 | 78.0 | 78.0 | 78.3 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 16000 | 26.4 | 42.4 | 58.7 | 61.4 | 65.4 | 65.9 | 72.1 | 75.5 | 78.0 | 78.0 | 78.3 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 14000 | 26.4 | 42.4 | 58.7 | 61.4 | 65.4 | 65.9 | 72.1 | 75.5 | 78.0 | 78.0 | 78.3 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 12000 | 30.5 | 47.8 | 55.1 | 68.0 | 72.9 | 73.4 | 80.1 | 83.7 | 85.3 | 85.3 | 86.5 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 10000 | 30.5 | 47.8 | 55.1 | 68.0 | 72.9 | 73.4 | 80.1 | 83.7 | 85.3 | 85.3 | 86.5 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 9000 | 30.5 | 47.8 | 55.1 | 68.0 | 72.9 | 73.4 | 80.1 | 83.7 | 85.3 | 85.3 | 86.5 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 8000 | 30.5 | 47.8 | 55.1 | 68.0 | 72.9 | 73.4 | 80.1 | 83.7 | 85.3 | 85.3 | 86.5 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 7000 | 30.5 | 47.8 | 55.1 | 68.0 | 72.9 | 73.4 | 80.1 | 83.7 | 85.3 | 85.3 | 86.5 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 6000 | 30.5 | 47.8 | 55.1 | 68.0 | 72.9 | 73.4 | 80.1 | 83.7 | 85.3 | 85.3 | 86.5 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 5000 | 41.9 | 59.2 | 76.5 | 79.3 | 84.2 | 84.8 | 91.5 | 95.1 | 97.7 | 97.7 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 4500 | 41.9 | 59.2 | 76.5 | 79.3 | 84.2 | 84.8 | 91.5 | 95.1 | 97.7 | 97.7 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 4000 | 41.9 | 59.2 | 76.5 | 79.3 | 84.2 | 84.8 | 91.5 | 95.1 | 97.7 | 97.7 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 3500 | 41.9 | 59.2 | 76.5 | 79.3 | 84.2 | 84.8 | 91.5 | 95.1 | 97.7 | 97.7 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 3000 | 41.9 | 59.2 | 76.5 | 79.3 | 84.2 | 84.8 | 91.5 | 95.1 | 97.7 | 97.7 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 2500 | 41.9 | 59.2 | 76.5 | 79.3 | 84.2 | 84.8 | 91.5 | 95.1 | 97.7 | 97.7 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 2000 | 41.9 | 59.2 | 76.5 | 79.3 | 84.2 | 84.8 | 91.5 | 95.1 | 97.7 | 97.7 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1800 | 41.9 | 59.2 | 76.5 | 79.3 | 84.2 | 84.8 | 91.5 | 95.1 | 97.7 | 97.7 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1500 | 42.1 | 59.4 | 76.7 | 79.6 | 84.5 | 85.0 | 91.7 | 95.3 | 97.9 | 97.9 | 98.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1200 | 42.1 | 59.7 | 77.1 | 79.8 | 84.8 | 85.3 | 92.0 | 95.6 | 98.2 | 98.2 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 42.1 | 59.7 | 77.1 | 79.8 | 84.8 | 85.3 | 92.0 | 95.6 | 98.2 | 98.2 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 42.1 | 59.7 | 77.1 | 79.8 | 84.8 | 85.3 | 92.0 | 95.6 | 98.2 | 98.2 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 42.1 | 59.7 | 77.1 | 79.8 | 84.8 | 85.3 | 92.0 | 95.6 | 98.2 | 98.2 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 42.1 | 59.7 | 77.1 | 79.8 | 84.8 | 85.3 | 92.0 | 95.6 | 98.2 | 98.2 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 42.1 | 59.7 | 77.1 | 79.8 | 84.8 | 85.3 | 92.0 | 95.6 | 98.2 | 98.2 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 42.1 | 59.7 | 77.1 | 79.8 | 84.8 | 85.3 | 92.0 | 95.6 | 98.2 | 98.2 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 42.1 | 59.7 | 77.1 | 79.8 | 84.8 | 85.3 | 92.0 | 95.6 | 98.2 | 98.2 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 42.1 | 59.7 | 77.1 | 79.8 | 84.8 | 85.3 | 92.0 | 95.6 | 98.2 | 98.2 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 42.1 | 59.7 | 77.1 | 79.8 | 84.8 | 85.3 | 92.0 | 95.6 | 98.2 | 98.2 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 42.1 | 59.7 | 77.1 | 79.8 | 84.8 | 85.3 | 92.0 | 95.6 | 98.2 | 98.2 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 557

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: JAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: FEB HOUR(S): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 3 | 5 | 7 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 120 | 150 |
| NO CEIL | 1 | 3 | 5 | 7 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 120 | 150 |
| 2000 | 25.8 | 45.7 | 59.7 | 62.2 | 67.1 | 67.4 | 74.4 | 77.9 | 79.3 | 80.2 | 80.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| 1800 | 25.8 | 45.7 | 59.7 | 62.2 | 67.1 | 67.4 | 74.4 | 77.9 | 79.3 | 80.2 | 80.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| 1600 | 26.8 | 45.7 | 59.7 | 62.2 | 67.1 | 67.4 | 74.4 | 77.9 | 79.3 | 80.2 | 80.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| 1400 | 27.0 | 46.2 | 50.4 | 62.7 | 67.6 | 67.8 | 74.8 | 79.3 | 79.7 | 80.7 | 81.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 1200 | 31.9 | 52.0 | 57.1 | 69.5 | 75.3 | 75.5 | 82.8 | 85.2 | 87.6 | 88.5 | 89.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 1000 | 31.9 | 52.0 | 57.1 | 69.5 | 75.3 | 75.5 | 82.8 | 85.2 | 87.6 | 88.5 | 89.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 900 | 31.9 | 52.0 | 57.1 | 69.5 | 75.3 | 75.5 | 82.8 | 85.2 | 87.6 | 88.5 | 89.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 800 | 31.9 | 52.0 | 57.1 | 69.5 | 75.3 | 75.5 | 82.8 | 85.2 | 87.6 | 88.5 | 89.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 700 | 31.9 | 52.0 | 57.1 | 69.5 | 75.3 | 75.5 | 82.8 | 85.2 | 87.6 | 88.5 | 89.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 600 | 31.9 | 52.0 | 57.1 | 69.5 | 75.3 | 75.5 | 82.8 | 85.2 | 87.6 | 88.5 | 89.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 500 | 40.6 | 60.6 | 75.3 | 78.1 | 83.9 | 84.1 | 91.4 | 94.9 | 95.3 | 97.2 | 97.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 450 | 40.6 | 60.6 | 75.3 | 78.1 | 83.9 | 84.1 | 91.4 | 94.9 | 95.3 | 97.2 | 97.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 400 | 40.6 | 60.6 | 75.3 | 78.1 | 83.9 | 84.1 | 91.4 | 94.9 | 95.3 | 97.2 | 97.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 350 | 40.6 | 60.6 | 75.3 | 78.1 | 83.9 | 84.1 | 91.4 | 94.9 | 95.3 | 97.2 | 97.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 300 | 40.6 | 60.6 | 75.3 | 78.1 | 83.9 | 84.1 | 91.4 | 94.9 | 95.3 | 97.2 | 97.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 250 | 40.6 | 60.6 | 75.3 | 78.1 | 83.9 | 84.1 | 91.4 | 94.9 | 95.3 | 97.2 | 97.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 200 | 40.6 | 60.6 | 75.3 | 78.1 | 83.9 | 84.1 | 91.4 | 94.9 | 95.3 | 97.2 | 97.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 150 | 40.6 | 60.6 | 75.3 | 78.1 | 83.9 | 84.1 | 91.4 | 94.9 | 95.3 | 97.2 | 97.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 120 | 41.3 | 61.5 | 76.7 | 79.0 | 84.8 | 85.1 | 92.3 | 95.8 | 97.2 | 98.1 | 98.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 | 41.3 | 61.5 | 76.7 | 79.0 | 84.8 | 85.1 | 92.3 | 95.8 | 97.2 | 98.1 | 98.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 90 | 41.3 | 61.5 | 76.7 | 79.0 | 84.8 | 85.1 | 92.3 | 95.8 | 97.2 | 98.1 | 98.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 80 | 41.3 | 61.5 | 76.7 | 79.0 | 84.8 | 85.1 | 92.3 | 95.8 | 97.2 | 98.1 | 98.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 70 | 41.3 | 61.5 | 76.7 | 79.0 | 84.8 | 85.1 | 92.3 | 95.8 | 97.2 | 98.1 | 98.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 60 | 41.3 | 61.5 | 76.7 | 79.0 | 84.8 | 85.1 | 92.3 | 95.8 | 97.2 | 98.1 | 98.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 50 | 41.3 | 61.5 | 76.7 | 79.0 | 84.8 | 85.1 | 92.3 | 95.8 | 97.2 | 98.1 | 98.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 40 | 41.3 | 61.5 | 76.7 | 79.0 | 84.8 | 85.1 | 92.3 | 95.8 | 97.2 | 98.1 | 98.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 30 | 41.3 | 61.5 | 76.7 | 79.0 | 84.8 | 85.1 | 92.3 | 95.8 | 97.2 | 98.1 | 98.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 20 | 41.3 | 61.5 | 76.7 | 79.0 | 84.8 | 85.1 | 92.3 | 95.8 | 97.2 | 98.1 | 98.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 10 | 41.3 | 61.5 | 76.7 | 79.0 | 84.8 | 85.1 | 92.3 | 95.8 | 97.2 | 98.1 | 98.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 41.3 | 61.5 | 76.7 | 79.0 | 84.8 | 85.1 | 92.3 | 95.8 | 97.2 | 98.1 | 98.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 424

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: FEB HOURS(DST): 1900-1100

| CEILINGS IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|------------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | | 13.5 | 27.2 | 42.3 | 44.2 | 47.4 | 47.7 | 55.3 | 57.7 | 59.3 | 59.5 | 61.2 | 61.5 | 61.7 | 61.7 | 61.7 |
| GE 20000 | 19.1 | 39.4 | 58.3 | 60.4 | 63.9 | 64.4 | 73.9 | 75.5 | 78.4 | 79.2 | 81.1 | 81.4 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 18000 | 19.1 | 39.4 | 58.3 | 60.4 | 63.9 | 64.4 | 73.9 | 75.5 | 78.4 | 79.2 | 81.1 | 81.4 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 16000 | 19.1 | 39.4 | 58.3 | 60.4 | 63.9 | 64.4 | 73.9 | 75.5 | 78.4 | 79.2 | 81.1 | 81.4 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 14000 | 19.7 | 39.9 | 58.3 | 61.2 | 64.7 | 65.2 | 74.7 | 77.4 | 79.2 | 81.1 | 81.9 | 82.2 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 12000 | 23.5 | 46.4 | 66.3 | 68.5 | 72.5 | 73.0 | 83.3 | 85.7 | 87.6 | 88.4 | 90.6 | 93.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 10000 | 23.5 | 46.4 | 66.3 | 68.5 | 72.5 | 73.0 | 83.3 | 85.7 | 87.6 | 88.4 | 90.6 | 93.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 9000 | 23.5 | 46.4 | 66.3 | 68.5 | 72.5 | 73.0 | 83.3 | 85.7 | 87.6 | 88.4 | 90.6 | 93.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 8000 | 23.5 | 46.4 | 66.3 | 68.5 | 72.5 | 73.0 | 83.3 | 85.7 | 87.6 | 88.4 | 90.6 | 93.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 7000 | 23.5 | 46.4 | 66.3 | 68.5 | 72.5 | 73.0 | 83.3 | 85.7 | 87.6 | 88.4 | 90.6 | 93.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 6000 | 23.5 | 46.4 | 66.3 | 68.5 | 72.5 | 73.0 | 83.3 | 85.7 | 87.6 | 88.4 | 90.6 | 93.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 5000 | 31.3 | 54.2 | 73.9 | 76.3 | 80.3 | 80.9 | 90.8 | 93.5 | 95.4 | 95.2 | 98.4 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 4500 | 31.3 | 54.4 | 74.1 | 76.5 | 80.6 | 81.1 | 91.1 | 93.8 | 95.7 | 95.5 | 98.7 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 4000 | 31.3 | 54.4 | 74.1 | 76.5 | 80.6 | 81.1 | 91.1 | 93.8 | 95.7 | 95.5 | 98.7 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 3500 | 31.3 | 54.4 | 74.1 | 76.5 | 80.6 | 81.1 | 91.1 | 93.8 | 95.7 | 95.5 | 98.7 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 3000 | 31.5 | 54.7 | 74.4 | 76.8 | 80.9 | 81.4 | 91.4 | 94.1 | 95.0 | 96.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 2500 | 31.5 | 54.7 | 74.4 | 76.8 | 80.9 | 81.4 | 91.4 | 94.1 | 95.0 | 96.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 2000 | 31.5 | 54.7 | 74.4 | 76.8 | 80.9 | 81.4 | 91.4 | 94.1 | 95.0 | 96.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1800 | 31.5 | 54.7 | 74.4 | 76.8 | 80.9 | 81.4 | 91.4 | 94.1 | 95.0 | 96.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1500 | 31.5 | 54.7 | 74.4 | 76.8 | 80.9 | 81.4 | 91.4 | 94.1 | 95.0 | 96.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1200 | 31.5 | 54.7 | 74.4 | 76.8 | 80.9 | 81.4 | 91.4 | 94.1 | 95.0 | 96.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1000 | 31.5 | 55.0 | 74.7 | 77.4 | 81.4 | 81.9 | 91.9 | 94.6 | 95.5 | 97.3 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 31.5 | 55.0 | 74.7 | 77.4 | 81.4 | 81.9 | 91.9 | 94.6 | 95.5 | 97.3 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 31.5 | 55.0 | 74.7 | 77.4 | 81.4 | 81.9 | 91.9 | 94.6 | 95.5 | 97.3 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 31.5 | 55.0 | 74.7 | 77.4 | 81.4 | 81.9 | 91.9 | 94.6 | 95.5 | 97.3 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 31.5 | 55.0 | 74.7 | 77.4 | 81.4 | 81.9 | 91.9 | 94.6 | 95.5 | 97.3 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 31.5 | 55.0 | 74.7 | 77.4 | 81.4 | 81.9 | 91.9 | 94.6 | 95.5 | 97.3 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 31.5 | 55.0 | 74.7 | 77.4 | 81.4 | 81.9 | 91.9 | 94.6 | 95.5 | 97.3 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 31.5 | 55.0 | 74.7 | 77.4 | 81.4 | 81.9 | 91.9 | 94.6 | 95.5 | 97.3 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 31.5 | 55.0 | 74.7 | 77.4 | 81.4 | 81.9 | 91.9 | 94.6 | 95.5 | 97.3 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 31.5 | 55.0 | 74.7 | 77.4 | 81.4 | 81.9 | 91.9 | 94.6 | 95.5 | 97.3 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 371

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILINGS VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: FEB HOURS(UTC): 0500-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | |
| NO CEILING | | | | | | | | | | | | | | | | | | |
| GE 20000 | 9.2 | 43.4 | 68.2 | 69.9 | 78.2 | 78.2 | 84.8 | 37.4 | 88.2 | 88.6 | 89.3 | 89.3 | 89.3 | 93.3 | 93.3 | 93.3 | 93.3 | |
| GE 18000 | 9.2 | 43.4 | 58.2 | 69.9 | 73.2 | 78.2 | 84.8 | 37.4 | 88.2 | 88.6 | 89.3 | 89.3 | 89.3 | 93.3 | 93.3 | 93.3 | 93.3 | |
| GE 16000 | 9.2 | 43.4 | 58.2 | 69.9 | 73.2 | 78.2 | 84.8 | 37.4 | 88.2 | 88.6 | 89.3 | 89.3 | 89.3 | 93.3 | 93.3 | 93.3 | 93.3 | |
| GE 14000 | 9.2 | 43.4 | 58.2 | 69.9 | 73.2 | 78.2 | 84.8 | 37.4 | 88.2 | 88.6 | 89.3 | 89.3 | 89.3 | 93.3 | 93.3 | 93.3 | 93.3 | |
| GE 12000 | 11.1 | 48.3 | 73.7 | 75.4 | 84.4 | 84.4 | 91.2 | 33.8 | 94.5 | 95.0 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | |
| GE 10000 | 11.1 | 48.3 | 73.7 | 75.4 | 84.4 | 84.4 | 91.2 | 33.8 | 94.5 | 95.0 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | |
| GE 9000 | 11.1 | 48.3 | 73.7 | 75.4 | 84.4 | 84.4 | 91.2 | 33.8 | 94.5 | 95.0 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | |
| GE 8000 | 11.1 | 48.3 | 73.7 | 75.4 | 84.4 | 84.4 | 91.2 | 33.8 | 94.5 | 95.0 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | |
| GE 7000 | 11.1 | 48.3 | 73.7 | 75.4 | 84.4 | 84.4 | 91.2 | 33.8 | 94.5 | 95.0 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | |
| GE 6000 | 11.1 | 48.3 | 73.7 | 75.4 | 84.4 | 84.4 | 91.2 | 33.8 | 94.5 | 95.0 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | |
| GE 5000 | 13.3 | 50.5 | 75.3 | 77.5 | 85.5 | 85.5 | 93.4 | 35.0 | 95.7 | 97.2 | 97.9 | 98.1 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 4500 | 13.3 | 50.5 | 75.3 | 77.5 | 85.5 | 85.5 | 93.4 | 35.0 | 95.7 | 97.2 | 97.9 | 98.1 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 4000 | 13.3 | 50.5 | 75.3 | 77.5 | 85.5 | 85.5 | 93.4 | 35.0 | 95.7 | 97.2 | 97.9 | 98.1 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 3500 | 13.3 | 50.5 | 75.3 | 77.5 | 85.5 | 85.5 | 93.4 | 35.0 | 95.7 | 97.2 | 97.9 | 98.1 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 3000 | 13.3 | 50.5 | 75.3 | 77.5 | 85.5 | 85.5 | 93.4 | 35.0 | 95.7 | 97.2 | 97.9 | 98.1 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 2500 | 13.3 | 50.5 | 75.3 | 77.5 | 85.5 | 85.5 | 93.4 | 35.0 | 95.7 | 97.2 | 97.9 | 98.1 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 2000 | 13.3 | 50.5 | 75.3 | 77.5 | 85.5 | 85.5 | 93.4 | 35.0 | 95.7 | 97.2 | 97.9 | 98.1 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 1500 | 13.3 | 50.5 | 75.3 | 77.5 | 85.5 | 85.5 | 93.4 | 35.0 | 95.7 | 97.2 | 97.9 | 98.1 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 1000 | 13.3 | 50.5 | 75.3 | 77.5 | 85.5 | 85.5 | 93.4 | 35.0 | 95.7 | 97.2 | 97.9 | 98.1 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 500 | 13.3 | 50.5 | 75.3 | 77.5 | 85.5 | 85.5 | 93.4 | 35.0 | 95.7 | 97.2 | 97.9 | 98.1 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 0 | 13.3 | 50.5 | 75.3 | 77.5 | 85.5 | 85.5 | 93.4 | 35.0 | 95.7 | 97.2 | 97.9 | 98.1 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | |

TOTAL NUMBER OF OBSERVATIONS: 422

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: FEB HOURS(UTC): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | SE 1 1/2 | SE 1 1/4 | SE 1 | SE 3/4 | SE 5/8 | SE 1/2 | SE 5/16 | SE 1/4 | SE 0 |
| NO CEIL | | 7.0 | 33.7 | 50.2 | 61.3 | 71.3 | 71.3 | 79.0 | 80.5 | 80.5 | 80.5 | 80.8 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 20000 | 8.4 | 38.2 | 57.1 | 68.2 | 79.1 | 79.4 | 87.5 | 90.3 | 90.5 | 90.5 | 90.8 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 18000 | 8.4 | 38.2 | 57.1 | 68.2 | 79.1 | 79.4 | 87.5 | 90.3 | 90.5 | 90.5 | 90.8 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 16000 | 8.4 | 38.2 | 57.1 | 68.2 | 79.1 | 79.4 | 87.5 | 90.3 | 90.5 | 90.5 | 90.8 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 14000 | 8.4 | 38.2 | 57.7 | 68.8 | 79.7 | 79.9 | 88.0 | 90.8 | 91.1 | 91.1 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 12000 | 9.5 | 40.9 | 70.3 | 71.6 | 83.0 | 83.3 | 92.2 | 95.0 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 10000 | 9.5 | 40.9 | 70.3 | 71.6 | 83.0 | 83.3 | 92.2 | 95.0 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 9000 | 9.5 | 40.9 | 70.3 | 71.6 | 83.0 | 83.3 | 92.2 | 95.0 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 8000 | 9.5 | 40.9 | 70.3 | 71.6 | 83.0 | 83.3 | 92.2 | 95.0 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 7000 | 9.5 | 40.9 | 70.3 | 71.6 | 83.0 | 83.3 | 92.2 | 95.0 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 6000 | 9.5 | 40.9 | 70.3 | 71.6 | 83.0 | 83.3 | 92.2 | 95.0 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 5000 | 12.3 | 43.7 | 73.3 | 74.4 | 85.8 | 86.1 | 95.0 | 97.8 | 98.1 | 98.1 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 4500 | 12.3 | 43.7 | 73.3 | 74.4 | 85.8 | 86.1 | 95.0 | 97.8 | 98.1 | 98.1 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 4000 | 12.3 | 43.7 | 73.3 | 74.4 | 85.8 | 86.1 | 95.0 | 97.8 | 98.1 | 98.1 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 3500 | 12.3 | 43.7 | 73.3 | 74.4 | 85.8 | 86.1 | 95.0 | 97.8 | 98.1 | 98.1 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 3000 | 12.3 | 43.7 | 73.3 | 74.4 | 85.8 | 86.1 | 95.0 | 97.8 | 98.1 | 98.1 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 2500 | 12.3 | 43.7 | 73.3 | 74.4 | 85.8 | 86.1 | 95.0 | 97.8 | 98.1 | 98.1 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 2000 | 12.3 | 43.7 | 73.3 | 74.4 | 85.8 | 86.1 | 95.0 | 97.8 | 98.1 | 98.1 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1800 | 12.3 | 43.7 | 73.3 | 74.4 | 85.8 | 86.1 | 95.0 | 97.8 | 98.1 | 98.1 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1500 | 12.5 | 44.0 | 73.3 | 74.7 | 85.1 | 85.4 | 95.3 | 98.1 | 98.3 | 98.3 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1200 | 12.5 | 44.0 | 73.3 | 74.7 | 85.1 | 85.4 | 95.3 | 98.1 | 98.3 | 98.3 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1000 | 12.8 | 44.3 | 74.1 | 75.2 | 86.6 | 86.9 | 95.8 | 98.6 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 900 | 12.8 | 44.3 | 74.1 | 75.2 | 86.6 | 86.9 | 95.8 | 98.6 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 800 | 12.8 | 44.3 | 74.1 | 75.2 | 86.6 | 86.9 | 95.8 | 98.6 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 700 | 12.8 | 44.3 | 74.1 | 75.2 | 86.6 | 86.9 | 95.8 | 98.6 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 600 | 12.8 | 44.3 | 74.1 | 75.2 | 86.6 | 86.9 | 95.8 | 98.6 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 500 | 12.8 | 44.3 | 74.1 | 75.2 | 86.6 | 86.9 | 95.8 | 98.6 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 400 | 12.8 | 44.3 | 74.1 | 75.2 | 86.6 | 86.9 | 95.8 | 98.6 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 300 | 12.8 | 44.3 | 74.1 | 75.2 | 86.6 | 86.9 | 95.8 | 98.6 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 200 | 12.8 | 44.3 | 74.1 | 75.2 | 86.6 | 86.9 | 95.8 | 98.6 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 100 | 12.8 | 44.3 | 74.1 | 75.2 | 86.6 | 86.9 | 95.8 | 98.6 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 0 | 12.8 | 44.3 | 74.1 | 75.2 | 86.6 | 86.9 | 95.8 | 98.6 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS: 359

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: FEB 40JRS(LST): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | .2 | 7.6 | 35.6 | 55.7 | 57.1 | 63.2 | 63.2 | 69.9 | 71.2 | 71.2 | 71.2 | 71.5 | 71.5 | 71.7 | 71.7 | 71.7 |
| GE 20000 | .2 | 10.3 | 43.2 | 56.4 | 67.8 | 74.7 | 74.7 | 83.3 | 85.2 | 85.2 | 85.2 | 85.4 | 85.4 | 85.5 | 85.5 | 85.3 |
| GE 18000 | .2 | 10.3 | 43.2 | 56.4 | 67.8 | 74.7 | 74.7 | 83.3 | 85.2 | 85.2 | 85.2 | 85.4 | 85.4 | 85.5 | 85.5 | 85.3 |
| GE 16000 | .2 | 10.3 | 43.2 | 56.4 | 67.8 | 74.7 | 74.7 | 83.3 | 85.2 | 85.2 | 85.2 | 85.4 | 85.4 | 85.5 | 85.5 | 85.3 |
| GE 14000 | .2 | 10.3 | 43.2 | 56.4 | 67.8 | 74.7 | 74.7 | 83.3 | 85.2 | 85.2 | 85.2 | 85.4 | 85.4 | 85.5 | 85.5 | 85.3 |
| GE 12000 | .2 | 11.6 | 48.9 | 73.7 | 75.1 | 82.2 | 82.2 | 92.0 | 93.8 | 93.8 | 93.8 | 94.1 | 94.1 | 94.3 | 94.3 | 94.5 |
| GE 10000 | .2 | 11.6 | 48.9 | 73.7 | 75.1 | 82.2 | 82.2 | 92.0 | 93.8 | 93.8 | 93.8 | 94.1 | 94.1 | 94.3 | 94.3 | 94.5 |
| GE 9000 | .2 | 11.6 | 48.9 | 73.7 | 75.1 | 82.2 | 82.2 | 92.0 | 93.8 | 93.8 | 93.8 | 94.1 | 94.1 | 94.3 | 94.3 | 94.5 |
| GE 8000 | .2 | 11.6 | 48.9 | 73.7 | 75.1 | 82.2 | 82.2 | 92.0 | 93.8 | 93.8 | 93.8 | 94.1 | 94.1 | 94.3 | 94.3 | 94.5 |
| GE 7000 | .2 | 11.6 | 48.9 | 73.7 | 75.1 | 82.2 | 82.2 | 92.0 | 93.8 | 93.8 | 93.8 | 94.1 | 94.1 | 94.3 | 94.3 | 94.5 |
| GE 6000 | .2 | 11.6 | 48.9 | 73.7 | 75.1 | 82.2 | 82.2 | 92.0 | 93.8 | 93.8 | 93.8 | 94.1 | 94.1 | 94.3 | 94.3 | 94.5 |
| GE 5000 | .2 | 15.8 | 53.0 | 77.7 | 79.2 | 86.3 | 86.3 | 96.1 | 97.9 | 97.9 | 97.9 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 |
| GE 4500 | .2 | 15.8 | 53.0 | 77.7 | 79.2 | 86.3 | 86.3 | 96.1 | 97.9 | 97.9 | 97.9 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 |
| GE 4000 | .2 | 15.8 | 53.0 | 77.7 | 79.2 | 86.3 | 86.3 | 96.1 | 97.9 | 97.9 | 97.9 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 |
| GE 3500 | .2 | 15.8 | 53.0 | 77.7 | 79.2 | 86.3 | 86.3 | 96.1 | 97.9 | 97.9 | 97.9 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 |
| GE 3000 | .2 | 15.8 | 53.0 | 77.7 | 79.2 | 86.3 | 86.3 | 96.1 | 97.9 | 97.9 | 97.9 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 |
| GE 2500 | .2 | 15.8 | 53.0 | 77.7 | 79.2 | 86.3 | 86.3 | 96.1 | 97.9 | 97.9 | 97.9 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 |
| GE 2000 | .2 | 15.8 | 53.0 | 77.7 | 79.2 | 86.3 | 86.3 | 96.1 | 97.9 | 97.9 | 97.9 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 |
| GE 1800 | .2 | 15.8 | 53.0 | 77.7 | 79.2 | 86.3 | 86.3 | 96.1 | 97.9 | 97.9 | 97.9 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 |
| GE 1500 | .2 | 16.4 | 53.7 | 78.5 | 79.9 | 87.3 | 87.3 | 96.4 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.3 | 99.3 | 99.5 |
| GE 1200 | .2 | 16.4 | 53.9 | 78.3 | 80.1 | 87.2 | 87.2 | 97.0 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 |
| GE 1000 | .2 | 16.4 | 53.9 | 78.3 | 80.1 | 87.2 | 87.2 | 97.0 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 |
| GE 900 | .2 | 16.4 | 53.9 | 78.3 | 80.1 | 87.2 | 87.2 | 97.0 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 |
| GE 800 | .2 | 16.4 | 54.1 | 79.3 | 80.4 | 87.4 | 87.4 | 97.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 |
| GE 700 | .2 | 16.4 | 54.1 | 79.3 | 80.4 | 87.4 | 87.4 | 97.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 |
| GE 600 | .2 | 16.4 | 54.1 | 79.3 | 80.4 | 87.4 | 87.4 | 97.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 |
| GE 500 | .2 | 16.4 | 54.1 | 79.3 | 80.4 | 87.4 | 87.4 | 97.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 |
| GE 400 | .2 | 16.4 | 54.1 | 79.3 | 80.4 | 87.4 | 87.4 | 97.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 |
| GE 300 | .2 | 16.4 | 54.1 | 79.3 | 80.4 | 87.4 | 87.4 | 97.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 |
| GE 200 | .2 | 16.4 | 54.1 | 79.3 | 80.4 | 87.4 | 87.4 | 97.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 |
| GE 100 | .2 | 16.4 | 54.1 | 79.3 | 80.4 | 87.4 | 87.4 | 97.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 |
| GE 0 | .2 | 16.4 | 54.1 | 79.3 | 80.4 | 87.4 | 87.4 | 97.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 458

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: JAN HOURS(DST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | .2 | 12.2 | 26.5 | 39.5 | 43.7 | 45.9 | 46.1 | 52.5 | 54.5 | 55.5 | 56.1 | 57.0 | 58.5 | 59.2 | 59.2 | 59.2 |
| GE 20000 | .2 | 16.8 | 34.0 | 50.3 | 52.5 | 59.0 | 59.2 | 67.8 | 71.3 | 72.8 | 73.5 | 74.6 | 75.5 | 77.2 | 77.2 | 77.3 |
| GE 18000 | .2 | 16.8 | 34.0 | 50.3 | 52.7 | 59.3 | 59.2 | 67.8 | 71.4 | 72.9 | 73.7 | 74.6 | 75.5 | 77.2 | 77.2 | 77.3 |
| GE 16000 | .2 | 16.8 | 34.0 | 50.3 | 52.7 | 59.3 | 59.2 | 67.8 | 71.4 | 72.9 | 73.7 | 74.6 | 75.5 | 77.2 | 77.2 | 77.3 |
| GE 14000 | .2 | 16.9 | 34.4 | 51.3 | 53.1 | 59.5 | 59.7 | 68.3 | 71.8 | 73.3 | 74.1 | 75.1 | 77.0 | 77.7 | 77.7 | 77.3 |
| GE 12000 | .2 | 20.9 | 41.8 | 51.3 | 63.8 | 70.9 | 71.2 | 81.1 | 84.8 | 85.4 | 87.3 | 88.4 | 90.4 | 91.3 | 91.3 | 91.4 |
| GE 10000 | .2 | 20.9 | 41.8 | 51.3 | 63.8 | 70.9 | 71.2 | 81.1 | 84.8 | 85.4 | 87.3 | 88.4 | 90.4 | 91.3 | 91.3 | 91.4 |
| GE 9000 | .2 | 20.9 | 41.8 | 51.3 | 63.8 | 70.9 | 71.2 | 81.1 | 84.8 | 85.4 | 87.3 | 88.4 | 90.4 | 91.3 | 91.3 | 91.4 |
| GE 8000 | .2 | 20.9 | 41.8 | 51.3 | 63.8 | 70.9 | 71.2 | 81.1 | 84.8 | 85.4 | 87.3 | 88.4 | 90.4 | 91.3 | 91.3 | 91.4 |
| GE 7000 | .2 | 23.9 | 41.8 | 51.3 | 63.8 | 70.9 | 71.2 | 81.1 | 84.8 | 85.4 | 87.3 | 88.4 | 90.4 | 91.3 | 91.3 | 91.4 |
| GE 6000 | .2 | 23.9 | 41.8 | 51.3 | 63.8 | 70.9 | 71.2 | 81.1 | 84.8 | 85.4 | 87.3 | 88.4 | 90.4 | 91.3 | 91.3 | 91.4 |
| GE 5000 | .2 | 29.1 | 50.0 | 70.3 | 72.3 | 79.3 | 79.3 | 89.3 | 92.9 | 94.5 | 95.4 | 96.5 | 98.3 | 99.4 | 99.4 | 99.5 |
| GE 4500 | .2 | 29.1 | 50.0 | 70.3 | 72.3 | 79.3 | 79.3 | 89.3 | 92.9 | 94.5 | 95.4 | 96.5 | 98.3 | 99.4 | 99.4 | 99.5 |
| GE 4000 | .2 | 29.1 | 50.0 | 70.3 | 72.3 | 79.3 | 79.3 | 89.3 | 92.9 | 94.5 | 95.4 | 96.5 | 98.3 | 99.4 | 99.4 | 99.5 |
| GE 3500 | .2 | 29.1 | 50.0 | 70.3 | 72.3 | 79.3 | 79.3 | 89.3 | 92.9 | 94.5 | 95.4 | 96.5 | 98.3 | 99.4 | 99.4 | 99.5 |
| GE 3000 | .2 | 29.1 | 50.0 | 70.3 | 72.3 | 79.3 | 79.3 | 89.3 | 92.9 | 94.5 | 95.4 | 96.5 | 98.3 | 99.4 | 99.4 | 99.5 |
| GE 2500 | .2 | 29.1 | 50.0 | 70.3 | 72.3 | 79.3 | 79.3 | 89.3 | 92.9 | 94.5 | 95.4 | 96.5 | 98.3 | 99.4 | 99.4 | 99.5 |
| GE 2000 | .2 | 29.1 | 50.0 | 70.3 | 72.3 | 79.1 | 79.4 | 89.3 | 93.0 | 94.6 | 95.5 | 96.6 | 98.8 | 99.5 | 99.5 | 99.5 |
| GE 1800 | .2 | 29.1 | 50.0 | 70.3 | 72.3 | 79.1 | 79.4 | 89.3 | 93.0 | 94.6 | 95.5 | 96.6 | 98.8 | 99.5 | 99.5 | 99.5 |
| GE 1500 | .2 | 29.2 | 50.1 | 70.1 | 72.1 | 79.1 | 79.4 | 89.3 | 93.0 | 94.6 | 95.5 | 96.6 | 98.8 | 99.5 | 99.5 | 99.7 |
| GE 1200 | .2 | 29.2 | 50.1 | 70.1 | 72.1 | 79.2 | 79.5 | 89.4 | 93.1 | 94.7 | 95.5 | 96.7 | 99.3 | 99.7 | 99.7 | 99.7 |
| GE 1000 | .2 | 29.3 | 50.3 | 70.3 | 72.3 | 79.4 | 79.7 | 89.6 | 93.3 | 94.9 | 95.8 | 96.9 | 99.1 | 99.3 | 99.3 | 99.3 |
| GE 900 | .2 | 29.3 | 50.3 | 70.3 | 72.3 | 79.4 | 79.7 | 89.6 | 93.3 | 94.9 | 95.8 | 96.9 | 99.2 | 99.3 | 99.3 | 99.3 |
| GE 800 | .2 | 29.4 | 50.3 | 70.4 | 72.4 | 79.4 | 79.7 | 89.7 | 93.3 | 94.9 | 95.8 | 97.0 | 99.2 | 99.3 | 99.3 | 99.3 |
| GE 700 | .2 | 29.4 | 50.3 | 70.4 | 72.4 | 79.4 | 79.7 | 89.7 | 93.3 | 94.9 | 95.8 | 97.0 | 99.2 | 99.3 | 99.3 | 99.3 |
| GE 600 | .2 | 29.4 | 50.3 | 70.4 | 72.4 | 79.4 | 79.7 | 89.7 | 93.3 | 94.9 | 95.8 | 97.0 | 99.2 | 99.3 | 99.3 | 99.3 |
| GE 500 | .2 | 29.4 | 50.3 | 70.4 | 72.4 | 79.4 | 79.7 | 89.7 | 93.3 | 94.9 | 95.8 | 97.0 | 99.2 | 99.3 | 99.3 | 99.3 |
| GE 400 | .2 | 29.4 | 50.3 | 70.4 | 72.4 | 79.4 | 79.7 | 89.7 | 93.3 | 94.9 | 95.8 | 97.0 | 99.2 | 99.3 | 99.3 | 99.3 |
| GE 300 | .2 | 29.4 | 50.3 | 70.4 | 72.4 | 79.4 | 79.7 | 89.7 | 93.3 | 94.9 | 95.8 | 97.0 | 99.2 | 99.3 | 99.3 | 99.3 |
| GE 200 | .2 | 29.4 | 50.3 | 70.4 | 72.4 | 79.4 | 79.7 | 89.7 | 93.3 | 94.9 | 95.8 | 97.0 | 99.2 | 99.3 | 99.3 | 99.3 |
| GE 100 | .2 | 29.4 | 50.3 | 70.4 | 72.4 | 79.4 | 79.7 | 89.7 | 93.3 | 94.9 | 95.8 | 97.0 | 99.2 | 99.3 | 99.3 | 99.3 |
| GE 0 | .2 | 29.4 | 50.3 | 70.4 | 72.4 | 79.4 | 79.7 | 89.7 | 93.3 | 94.9 | 95.8 | 97.0 | 99.2 | 99.3 | 99.3 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS: 3434

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: JAKARTA GENERAL

PERIOD OF RECORD: 75,78-85
MONTH: JAN HOUR(S) (LST): 2100-2300

| CEILING IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|----------|---------|---------|---------|---------|-------------|-----------------------------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|
| | | | | | | | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | .8 | 11.1 | 25.5 | 39.5 | 41.8 | 48.7 | 48.7 | 55.5 | 57.9 | 59.5 | 59.5 | 60.5 | 62.1 | 62.1 | 62.1 | 62.1 |
| GE 20000 | .8 | 12.1 | 28.9 | 46.5 | 49.5 | 56.3 | 56.8 | 65.1 | 70.3 | 72.4 | 73.4 | 73.4 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 18000 | .8 | 12.1 | 28.9 | 46.5 | 49.5 | 56.3 | 56.8 | 65.1 | 70.3 | 72.4 | 73.4 | 73.4 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 16000 | .8 | 12.1 | 28.9 | 46.5 | 49.5 | 56.3 | 56.8 | 66.1 | 70.3 | 72.4 | 73.4 | 73.4 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 14000 | .8 | 12.1 | 29.2 | 47.1 | 50.0 | 57.4 | 57.4 | 66.6 | 70.8 | 72.9 | 73.9 | 73.9 | 76.1 | 76.1 | 76.1 | 76.1 |
| GE 12000 | .8 | 14.2 | 35.0 | 56.5 | 60.3 | 67.9 | 67.9 | 78.2 | 82.4 | 84.5 | 85.5 | 85.5 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 10000 | .8 | 14.2 | 35.0 | 56.5 | 60.3 | 67.9 | 67.9 | 78.2 | 82.4 | 84.5 | 85.5 | 85.5 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 9000 | .8 | 14.2 | 35.0 | 56.5 | 60.3 | 67.9 | 67.9 | 78.2 | 82.4 | 84.5 | 85.5 | 85.5 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 8000 | .8 | 14.2 | 35.0 | 56.5 | 60.3 | 67.9 | 67.9 | 78.2 | 82.4 | 84.5 | 85.5 | 85.5 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 7000 | .8 | 14.2 | 35.0 | 56.5 | 60.3 | 67.9 | 67.9 | 78.2 | 82.4 | 84.5 | 85.5 | 85.5 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 6000 | .8 | 14.2 | 35.0 | 56.5 | 60.3 | 67.9 | 67.9 | 78.2 | 82.4 | 84.5 | 85.5 | 85.5 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 5000 | .8 | 25.0 | 45.8 | 67.4 | 71.1 | 78.7 | 78.7 | 88.9 | 93.2 | 95.3 | 96.3 | 96.3 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 4500 | .8 | 25.0 | 45.8 | 67.4 | 71.1 | 78.7 | 78.7 | 88.9 | 93.2 | 95.3 | 96.3 | 96.3 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 4000 | .8 | 25.0 | 45.8 | 67.4 | 71.1 | 78.7 | 78.7 | 88.9 | 93.2 | 95.3 | 96.3 | 96.3 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 3500 | .8 | 25.0 | 45.8 | 67.4 | 71.1 | 78.7 | 78.7 | 88.9 | 93.2 | 95.3 | 96.3 | 96.3 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 3000 | .8 | 25.0 | 45.8 | 67.4 | 71.1 | 78.7 | 78.7 | 88.9 | 93.2 | 95.3 | 96.3 | 96.3 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 2500 | .8 | 25.0 | 45.8 | 67.4 | 71.1 | 78.7 | 78.7 | 88.9 | 93.2 | 95.3 | 96.3 | 96.3 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 2000 | .8 | 25.0 | 45.8 | 67.4 | 71.1 | 78.7 | 78.7 | 88.9 | 93.2 | 95.5 | 96.6 | 96.6 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1800 | .8 | 25.0 | 45.8 | 67.4 | 71.1 | 78.7 | 78.7 | 88.9 | 93.2 | 95.5 | 96.6 | 96.6 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1500 | .8 | 25.0 | 45.8 | 67.4 | 71.1 | 78.7 | 78.7 | 88.9 | 93.2 | 95.5 | 96.6 | 96.6 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1200 | .8 | 25.0 | 45.8 | 67.4 | 71.1 | 78.7 | 78.7 | 88.9 | 93.2 | 95.5 | 96.6 | 96.6 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1000 | .8 | 25.3 | 46.3 | 67.7 | 71.6 | 79.2 | 79.2 | 89.5 | 93.7 | 95.1 | 97.1 | 97.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | .8 | 25.3 | 46.3 | 67.7 | 71.6 | 79.2 | 79.2 | 89.5 | 93.7 | 95.1 | 97.1 | 97.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | .8 | 25.3 | 46.3 | 67.7 | 71.6 | 79.2 | 79.2 | 89.5 | 93.7 | 95.1 | 97.1 | 97.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | .8 | 25.3 | 46.3 | 67.7 | 71.6 | 79.2 | 79.2 | 89.5 | 93.7 | 95.1 | 97.1 | 97.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | .8 | 25.3 | 46.3 | 67.7 | 71.6 | 79.2 | 79.2 | 89.5 | 93.7 | 95.1 | 97.1 | 97.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | .8 | 25.3 | 46.3 | 67.7 | 71.6 | 79.2 | 79.2 | 89.5 | 93.7 | 95.1 | 97.1 | 97.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | .8 | 25.3 | 46.3 | 67.7 | 71.6 | 79.2 | 79.2 | 89.5 | 93.7 | 95.1 | 97.1 | 97.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | .8 | 25.3 | 46.3 | 67.7 | 71.6 | 79.2 | 79.2 | 89.5 | 93.7 | 95.1 | 97.1 | 97.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | .8 | 25.3 | 46.3 | 67.7 | 71.6 | 79.2 | 79.2 | 89.5 | 93.7 | 95.1 | 97.1 | 97.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | .8 | 25.3 | 46.3 | 67.7 | 71.6 | 79.2 | 79.2 | 89.5 | 93.7 | 95.1 | 97.1 | 97.1 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 510

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: JAN HOURS(EST): 1903-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 18.2 | 23.6 | 31.7 | 35.2 | 37.6 | 38.0 | 42.4 | 45.1 | 45.3 | 45.9 | 47.4 | 48.4 | 49.9 | 49.9 | 49.9 | 49.9 |
| GE 20000 | 25.9 | 33.8 | 45.9 | 48.2 | 54.9 | 55.3 | 62.0 | 55.0 | 65.6 | 57.4 | 58.9 | 71.4 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 18000 | 25.9 | 33.8 | 45.9 | 48.2 | 54.9 | 55.3 | 62.0 | 55.0 | 65.6 | 57.4 | 58.9 | 71.4 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 16000 | 25.9 | 33.8 | 45.9 | 48.2 | 54.9 | 55.3 | 62.0 | 55.0 | 65.6 | 57.4 | 58.9 | 71.4 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 14000 | 26.1 | 34.0 | 46.3 | 48.6 | 55.3 | 55.7 | 62.4 | 65.4 | 67.0 | 67.8 | 69.3 | 71.8 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 12000 | 33.4 | 44.1 | 59.9 | 62.2 | 69.9 | 70.4 | 79.5 | 83.5 | 84.1 | 85.0 | 86.4 | 89.8 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 10000 | 33.4 | 44.1 | 59.9 | 62.2 | 69.9 | 70.4 | 79.5 | 83.5 | 84.1 | 85.0 | 86.4 | 89.8 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 9000 | 33.4 | 44.1 | 59.9 | 62.2 | 69.9 | 70.4 | 79.5 | 83.5 | 84.1 | 85.0 | 86.4 | 89.8 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 8000 | 33.4 | 44.1 | 59.9 | 62.2 | 69.9 | 70.4 | 79.5 | 83.5 | 84.1 | 85.0 | 86.4 | 89.8 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 7000 | 33.4 | 44.1 | 59.9 | 62.2 | 69.9 | 70.4 | 79.5 | 83.5 | 84.1 | 85.0 | 86.4 | 89.8 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 6000 | 33.4 | 44.1 | 59.9 | 62.2 | 69.9 | 70.4 | 79.5 | 83.5 | 84.1 | 85.0 | 86.4 | 89.8 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 5000 | 42.0 | 52.6 | 58.5 | 70.8 | 78.5 | 78.9 | 88.1 | 92.1 | 92.7 | 93.5 | 95.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 4500 | 42.0 | 52.6 | 58.5 | 70.8 | 78.5 | 78.9 | 88.1 | 92.1 | 92.7 | 93.5 | 95.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 4000 | 42.0 | 52.6 | 58.5 | 70.8 | 78.5 | 78.9 | 88.1 | 92.1 | 92.7 | 93.5 | 95.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 3500 | 42.0 | 52.6 | 58.5 | 70.8 | 78.5 | 78.9 | 88.1 | 92.1 | 92.7 | 93.5 | 95.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 3000 | 42.0 | 52.6 | 58.5 | 70.8 | 78.5 | 78.9 | 88.1 | 92.1 | 92.7 | 93.5 | 95.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 2500 | 42.0 | 52.6 | 58.5 | 70.8 | 78.5 | 78.9 | 88.1 | 92.1 | 92.7 | 93.5 | 95.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 2000 | 42.0 | 52.6 | 58.5 | 70.8 | 78.5 | 78.9 | 88.1 | 92.1 | 92.7 | 93.5 | 95.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1800 | 42.0 | 52.6 | 58.5 | 70.8 | 78.5 | 78.9 | 88.1 | 92.1 | 92.7 | 93.5 | 95.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1600 | 42.0 | 52.6 | 58.5 | 70.8 | 78.5 | 78.9 | 88.1 | 92.1 | 92.7 | 93.5 | 95.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1500 | 42.0 | 52.6 | 58.5 | 70.8 | 78.5 | 78.9 | 88.1 | 92.1 | 92.7 | 93.5 | 95.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1200 | 42.0 | 52.6 | 58.5 | 70.8 | 78.5 | 78.9 | 88.1 | 92.1 | 92.7 | 93.5 | 95.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1000 | 42.2 | 52.8 | 58.7 | 71.0 | 78.7 | 79.1 | 88.3 | 92.3 | 92.9 | 93.7 | 95.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 42.2 | 52.8 | 58.7 | 71.0 | 78.7 | 79.1 | 88.3 | 92.3 | 92.9 | 93.7 | 95.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 42.2 | 52.8 | 58.7 | 71.0 | 78.7 | 79.1 | 88.3 | 92.3 | 92.9 | 93.7 | 95.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 42.2 | 52.8 | 58.7 | 71.0 | 78.7 | 79.1 | 88.3 | 92.3 | 92.9 | 93.7 | 95.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 42.2 | 52.8 | 58.7 | 71.0 | 78.7 | 79.1 | 88.3 | 92.3 | 92.9 | 93.7 | 95.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 42.2 | 52.8 | 58.7 | 71.0 | 78.7 | 79.1 | 88.3 | 92.3 | 92.9 | 93.7 | 95.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 42.2 | 52.8 | 58.7 | 71.0 | 78.7 | 79.1 | 88.3 | 92.3 | 92.9 | 93.7 | 95.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 42.2 | 52.8 | 58.7 | 71.0 | 78.7 | 79.1 | 88.3 | 92.3 | 92.9 | 93.7 | 95.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 42.2 | 52.8 | 58.7 | 71.0 | 78.7 | 79.1 | 88.3 | 92.3 | 92.9 | 93.7 | 95.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 42.2 | 52.8 | 58.7 | 71.0 | 78.7 | 79.1 | 88.3 | 92.3 | 92.9 | 93.7 | 95.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 42.2 | 52.8 | 58.7 | 71.0 | 78.7 | 79.1 | 88.3 | 92.3 | 92.9 | 93.7 | 95.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 479

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: JAN HOUR(S): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CLIL | | 17.2 | 24.8 | 33.2 | 33.2 | 39.5 | 40.3 | 47.7 | 49.4 | 49.6 | 50.6 | 52.5 | 55.4 | 55.1 | 55.1 | 55.1 |
| GE 20000 | 24.6 | 33.9 | 46.1 | 46.8 | 55.1 | 55.3 | 55.6 | 57.8 | 59.5 | 59.5 | 71.5 | 74.5 | 75.2 | 75.2 | 75.2 | |
| GE 18000 | 24.6 | 33.9 | 46.1 | 46.8 | 55.1 | 55.9 | 55.6 | 57.8 | 59.5 | 59.5 | 71.6 | 74.5 | 75.2 | 75.2 | 75.2 | |
| GE 16000 | 24.6 | 33.9 | 46.1 | 46.8 | 55.1 | 55.8 | 55.6 | 57.8 | 59.5 | 59.5 | 71.6 | 74.5 | 75.2 | 75.2 | 75.2 | |
| GE 14000 | 25.1 | 34.6 | 46.3 | 47.5 | 56.1 | 56.9 | 56.6 | 58.7 | 60.5 | 60.5 | 72.4 | 72.6 | 75.4 | 75.1 | 75.1 | |
| GE 12000 | 31.3 | 41.8 | 55.3 | 56.6 | 66.3 | 67.1 | 78.5 | 80.7 | 81.4 | 82.3 | 95.2 | 93.1 | 93.3 | 93.3 | 93.3 | |
| GE 10000 | 31.3 | 41.8 | 55.3 | 56.6 | 66.3 | 67.1 | 78.5 | 80.7 | 81.4 | 82.3 | 95.2 | 93.1 | 93.3 | 93.3 | 93.3 | |
| GE 9000 | 31.3 | 41.8 | 55.3 | 56.6 | 66.3 | 67.1 | 78.5 | 80.7 | 81.4 | 82.3 | 95.2 | 93.1 | 93.3 | 93.3 | 93.3 | |
| GE 8000 | 31.3 | 41.8 | 55.3 | 56.6 | 66.3 | 67.1 | 78.5 | 80.7 | 81.4 | 82.3 | 95.2 | 93.1 | 93.3 | 93.3 | 93.3 | |
| GE 7000 | 31.3 | 41.8 | 55.3 | 56.6 | 66.3 | 67.1 | 78.5 | 80.7 | 81.4 | 82.3 | 95.2 | 93.1 | 93.3 | 93.3 | 93.3 | |
| GE 6000 | 31.3 | 41.8 | 55.3 | 56.6 | 66.3 | 67.1 | 78.5 | 80.7 | 81.4 | 82.3 | 95.2 | 93.1 | 93.3 | 93.3 | 93.3 | |
| GE 5000 | 41.8 | 52.3 | 66.3 | 67.1 | 76.8 | 77.6 | 89.0 | 91.2 | 91.9 | 92.8 | 95.7 | 93.5 | 93.3 | 93.3 | 93.3 | |
| GE 4500 | 41.8 | 52.3 | 66.3 | 67.1 | 76.8 | 77.6 | 89.0 | 91.2 | 91.9 | 92.8 | 95.7 | 93.5 | 93.3 | 93.3 | 93.3 | |
| GE 4000 | 41.8 | 52.3 | 66.3 | 67.1 | 76.8 | 77.6 | 89.0 | 91.2 | 91.9 | 92.8 | 95.7 | 93.5 | 93.3 | 93.3 | 93.3 | |
| GE 3500 | 41.8 | 52.3 | 66.3 | 67.1 | 76.8 | 77.6 | 89.0 | 91.2 | 91.9 | 92.8 | 95.7 | 93.5 | 93.3 | 93.3 | 93.3 | |
| GE 3000 | 1.8 | 52.3 | 66.3 | 67.1 | 76.8 | 77.6 | 89.0 | 91.2 | 91.9 | 92.8 | 95.7 | 93.5 | 93.3 | 93.3 | 93.3 | |
| GE 2500 | 41.8 | 52.3 | 66.3 | 67.1 | 76.8 | 77.6 | 89.0 | 91.2 | 91.9 | 92.8 | 95.7 | 93.5 | 93.3 | 93.3 | 93.3 | |
| GE 2000 | 42.0 | 52.5 | 66.3 | 67.3 | 77.1 | 77.9 | 89.3 | 91.4 | 92.1 | 93.1 | 95.9 | 93.3 | 93.3 | 93.3 | 93.3 | |
| GE 1800 | 42.0 | 52.5 | 66.3 | 67.3 | 77.1 | 77.9 | 89.3 | 91.4 | 92.1 | 93.1 | 95.9 | 93.3 | 93.3 | 93.3 | 93.3 | |
| GE 1500 | 42.0 | 52.5 | 66.3 | 67.3 | 77.1 | 77.9 | 89.3 | 91.4 | 92.1 | 93.1 | 95.9 | 93.3 | 93.3 | 93.3 | 93.3 | |
| GE 1200 | 42.0 | 52.5 | 66.3 | 67.3 | 77.1 | 77.9 | 89.3 | 91.4 | 92.1 | 93.1 | 95.9 | 93.3 | 93.3 | 93.3 | 93.3 | |
| GE 1000 | 42.5 | 53.0 | 67.1 | 67.9 | 77.6 | 78.3 | 89.7 | 91.9 | 92.6 | 93.5 | 96.4 | 93.3 | 100.0 | 100.0 | 100.0 | |
| GE 900 | 42.5 | 53.0 | 67.1 | 67.9 | 77.6 | 78.3 | 89.7 | 91.9 | 92.6 | 93.5 | 96.4 | 93.3 | 100.0 | 100.0 | 100.0 | |
| GE 800 | 42.5 | 53.0 | 67.1 | 67.9 | 77.6 | 78.3 | 89.7 | 91.9 | 92.6 | 93.5 | 96.4 | 93.3 | 100.0 | 100.0 | 100.0 | |
| GE 700 | 42.5 | 53.0 | 67.1 | 67.9 | 77.6 | 78.3 | 89.7 | 91.9 | 92.6 | 93.5 | 96.4 | 93.3 | 100.0 | 100.0 | 100.0 | |
| GE 600 | 42.5 | 53.0 | 67.1 | 67.9 | 77.6 | 78.3 | 89.7 | 91.9 | 92.6 | 93.5 | 96.4 | 93.3 | 100.0 | 100.0 | 100.0 | |
| GE 500 | 42.5 | 53.0 | 67.1 | 67.9 | 77.6 | 78.3 | 89.7 | 91.9 | 92.6 | 93.5 | 96.4 | 93.3 | 100.0 | 100.0 | 100.0 | |
| GE 400 | 42.5 | 53.0 | 67.1 | 67.9 | 77.6 | 78.3 | 89.7 | 91.9 | 92.6 | 93.5 | 96.4 | 93.3 | 100.0 | 100.0 | 100.0 | |
| GE 300 | 42.5 | 53.0 | 67.1 | 67.9 | 77.6 | 78.3 | 89.7 | 91.9 | 92.6 | 93.5 | 96.4 | 93.3 | 100.0 | 100.0 | 100.0 | |
| GE 200 | 42.5 | 53.0 | 67.1 | 67.9 | 77.6 | 78.3 | 89.7 | 91.9 | 92.6 | 93.5 | 96.4 | 93.3 | 100.0 | 100.0 | 100.0 | |
| GE 100 | 42.5 | 53.0 | 67.1 | 67.9 | 77.6 | 78.3 | 89.7 | 91.9 | 92.6 | 93.5 | 96.4 | 93.3 | 100.0 | 100.0 | 100.0 | |
| GE 00 | 42.5 | 53.0 | 67.1 | 67.9 | 77.6 | 78.3 | 89.7 | 91.9 | 92.6 | 93.5 | 96.4 | 93.3 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 419

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: JAN HOURS/DAY: 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | 18.1 | 25.6 | 34.7 | 36.0 | 41.4 | 41.5 | 47.4 | 49.1 | 53.2 | 51.3 | 52.4 | 54.7 | 55.4 | 55.4 | 55.4 | 55.4 |
| GE 20000 | 26.3 | 36.9 | 50.2 | 51.9 | 58.8 | 59.1 | 66.4 | 69.2 | 73.3 | 71.6 | 73.1 | 75.6 | 75.3 | 76.3 | 76.3 | 75.3 |
| GE 18000 | 26.3 | 36.9 | 50.2 | 51.9 | 58.8 | 59.1 | 66.4 | 69.2 | 73.3 | 71.6 | 73.1 | 75.6 | 75.3 | 76.3 | 76.3 | 75.3 |
| GE 16000 | 26.3 | 36.9 | 50.2 | 51.9 | 58.8 | 59.1 | 66.4 | 69.2 | 73.3 | 71.6 | 73.1 | 75.6 | 75.3 | 76.3 | 76.3 | 75.3 |
| GE 14000 | 26.3 | 37.1 | 50.4 | 52.2 | 59.1 | 59.3 | 65.6 | 69.4 | 73.5 | 71.8 | 73.3 | 75.9 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 12000 | 31.9 | 44.6 | 50.3 | 63.1 | 73.9 | 71.3 | 79.7 | 82.5 | 83.6 | 84.9 | 86.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 10000 | 31.9 | 44.6 | 50.3 | 63.1 | 73.9 | 71.3 | 79.7 | 82.5 | 83.6 | 84.9 | 86.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 9000 | 31.9 | 44.6 | 50.3 | 63.1 | 73.9 | 71.3 | 79.7 | 82.5 | 83.6 | 84.9 | 86.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 8000 | 31.9 | 44.6 | 50.3 | 63.1 | 73.9 | 71.3 | 79.7 | 82.5 | 83.6 | 84.9 | 86.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 7000 | 31.9 | 44.6 | 50.3 | 63.1 | 73.9 | 71.3 | 79.7 | 82.5 | 83.6 | 84.9 | 86.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 6000 | 31.9 | 44.6 | 50.3 | 63.1 | 73.9 | 71.3 | 79.7 | 82.5 | 83.6 | 84.9 | 86.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 5000 | 41.8 | 54.5 | 70.7 | 73.1 | 80.8 | 81.3 | 89.7 | 92.5 | 93.5 | 94.8 | 96.3 | 99.7 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 4500 | 41.8 | 54.5 | 70.7 | 73.1 | 80.8 | 81.3 | 89.7 | 92.5 | 93.5 | 94.8 | 96.3 | 99.7 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 4000 | 41.8 | 54.5 | 70.7 | 73.1 | 80.8 | 81.3 | 89.7 | 92.5 | 93.5 | 94.8 | 96.3 | 99.7 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 3500 | 41.8 | 54.5 | 70.7 | 73.1 | 80.8 | 81.3 | 89.7 | 92.5 | 93.5 | 94.8 | 96.3 | 99.7 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 3000 | 41.8 | 54.5 | 70.7 | 73.1 | 80.8 | 81.3 | 89.7 | 92.5 | 93.5 | 94.8 | 96.3 | 99.7 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 2500 | 41.8 | 54.5 | 70.7 | 73.1 | 80.8 | 81.3 | 89.7 | 92.5 | 93.5 | 94.8 | 96.3 | 99.7 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 2000 | 41.8 | 54.5 | 70.7 | 73.1 | 80.8 | 81.3 | 89.7 | 92.5 | 93.5 | 94.8 | 96.3 | 99.7 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1800 | 41.8 | 54.5 | 70.7 | 73.1 | 80.8 | 81.3 | 89.7 | 92.5 | 93.5 | 94.8 | 96.3 | 99.7 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1500 | 42.0 | 54.7 | 70.9 | 73.3 | 81.0 | 81.5 | 89.9 | 92.7 | 93.8 | 95.0 | 96.6 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1200 | 42.0 | 54.7 | 70.9 | 73.3 | 81.0 | 81.5 | 89.9 | 92.7 | 93.8 | 95.0 | 96.6 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1000 | 42.2 | 55.0 | 71.1 | 73.5 | 81.3 | 81.7 | 90.1 | 92.9 | 94.0 | 95.3 | 96.8 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 42.2 | 55.0 | 71.1 | 73.5 | 81.3 | 81.7 | 90.1 | 92.9 | 94.0 | 95.3 | 96.8 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 42.2 | 55.0 | 71.1 | 73.5 | 81.3 | 81.7 | 90.1 | 92.9 | 94.0 | 95.3 | 96.8 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 42.2 | 55.0 | 71.1 | 73.5 | 81.3 | 81.7 | 90.1 | 92.9 | 94.0 | 95.3 | 96.8 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 42.2 | 55.0 | 71.1 | 73.5 | 81.3 | 81.7 | 90.1 | 92.9 | 94.0 | 95.3 | 96.8 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 42.2 | 55.0 | 71.1 | 73.5 | 81.3 | 81.7 | 90.1 | 92.9 | 94.0 | 95.3 | 96.8 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 42.2 | 55.0 | 71.1 | 73.5 | 81.3 | 81.7 | 90.1 | 92.9 | 94.0 | 95.3 | 96.8 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 42.2 | 55.0 | 71.1 | 73.5 | 81.3 | 81.7 | 90.1 | 92.9 | 94.0 | 95.3 | 96.8 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 42.2 | 55.0 | 71.1 | 73.5 | 81.3 | 81.7 | 90.1 | 92.9 | 94.0 | 95.3 | 96.8 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 42.2 | 55.0 | 71.1 | 73.5 | 81.3 | 81.7 | 90.1 | 92.9 | 94.0 | 95.3 | 96.8 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 42.2 | 55.0 | 71.1 | 73.5 | 81.3 | 81.7 | 90.1 | 92.9 | 94.0 | 95.3 | 96.8 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 434

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: JAN COURSE(S): 1900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|--------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | 12.7 | 20.4 | 32.1 | 32.8 | 35.6 | 35.6 | 44.0 | 45.5 | 45.3 | 47.9 | 48.3 | 51.7 | 52.5 | 52.5 | 52 | 52 |
| GE 20000 | 18.9 | 29.4 | 45.3 | 45.8 | 51.7 | 51.7 | 61.4 | 64.4 | 65.7 | 67.4 | 68.2 | 71.9 | 73.4 | 73.4 | 73 | 73 |
| GE 18000 | 18.9 | 29.4 | 45.3 | 45.8 | 51.7 | 51.7 | 61.4 | 64.4 | 65.7 | 67.4 | 68.2 | 71.9 | 73.4 | 73.4 | 73 | 73 |
| GE 16000 | 18.9 | 29.4 | 45.3 | 45.8 | 51.7 | 51.7 | 61.4 | 64.4 | 65.7 | 67.4 | 68.2 | 71.9 | 73.4 | 73.4 | 73 | 73 |
| GE 14000 | 19.2 | 30.1 | 45.3 | 46.5 | 52.5 | 52.5 | 62.2 | 65.4 | 68.2 | 68.9 | 72.5 | 74.1 | 74.1 | 74 | 74 | |
| GE 12000 | 24.4 | 38.6 | 56.7 | 57.7 | 64.4 | 64.4 | 75.6 | 79.1 | 80.3 | 82.8 | 83.8 | 87.5 | 89.1 | 89.1 | 89 | 89 |
| GE 10000 | 24.4 | 38.6 | 56.7 | 57.7 | 64.4 | 64.4 | 75.6 | 79.1 | 80.3 | 82.8 | 83.8 | 87.5 | 89.1 | 89.1 | 89 | 89 |
| GE 9000 | 24.4 | 38.6 | 56.7 | 57.7 | 64.4 | 64.4 | 75.6 | 79.1 | 80.3 | 82.8 | 83.8 | 87.5 | 89.1 | 89.1 | 89 | 89 |
| GE 8000 | 24.4 | 38.6 | 56.7 | 57.7 | 64.4 | 64.4 | 75.6 | 79.1 | 80.3 | 82.8 | 83.8 | 87.5 | 89.1 | 89.1 | 89 | 89 |
| GE 7000 | 24.4 | 38.6 | 56.7 | 57.7 | 64.4 | 64.4 | 75.6 | 79.1 | 80.3 | 82.8 | 83.8 | 87.5 | 89.1 | 89.1 | 89 | 89 |
| GE 6000 | 24.4 | 38.6 | 56.7 | 57.7 | 64.4 | 64.4 | 75.6 | 79.1 | 80.3 | 82.8 | 83.8 | 87.5 | 89.1 | 89.1 | 89 | 89 |
| GE 5000 | 34.3 | 48.5 | 66.7 | 67.7 | 74.4 | 74.4 | 85.6 | 89.1 | 90.3 | 92.8 | 93.8 | 97.5 | 99.1 | 99.1 | 99 | 99 |
| GE 4500 | 34.3 | 48.5 | 66.7 | 67.7 | 74.4 | 74.4 | 85.6 | 89.1 | 90.3 | 92.8 | 93.8 | 97.5 | 99.1 | 99.1 | 99 | 99 |
| GE 4000 | 34.3 | 48.5 | 66.7 | 67.7 | 74.4 | 74.4 | 85.6 | 89.1 | 90.3 | 92.8 | 93.8 | 97.5 | 99.1 | 99.1 | 99 | 99 |
| GE 3500 | 34.3 | 48.5 | 66.7 | 67.7 | 74.4 | 74.4 | 85.6 | 89.1 | 90.3 | 92.8 | 93.8 | 97.5 | 99.1 | 99.1 | 99 | 99 |
| GE 3000 | 34.3 | 48.5 | 66.7 | 67.7 | 74.4 | 74.4 | 85.6 | 89.1 | 90.3 | 92.8 | 93.8 | 97.5 | 99.1 | 99.1 | 99 | 99 |
| GE 2500 | 34.3 | 48.5 | 66.7 | 67.7 | 74.4 | 74.4 | 85.6 | 89.1 | 90.3 | 92.8 | 93.8 | 97.5 | 99.1 | 99.1 | 99 | 99 |
| GE 2000 | 34.3 | 48.5 | 66.7 | 67.7 | 74.4 | 74.4 | 85.6 | 89.1 | 90.3 | 92.8 | 93.8 | 97.5 | 99.1 | 99.1 | 99 | 99 |
| GE 1800 | 34.3 | 48.5 | 66.7 | 67.7 | 74.4 | 74.4 | 85.6 | 89.1 | 90.3 | 92.8 | 93.8 | 97.5 | 99.1 | 99.1 | 99 | 99 |
| GE 1500 | 34.6 | 48.8 | 66.7 | 67.9 | 74.6 | 75.1 | 85.8 | 89.3 | 90.5 | 93.0 | 94.0 | 97.9 | 99.3 | 99.3 | 99 | 99 |
| GE 1200 | 34.6 | 48.8 | 66.7 | 68.2 | 74.9 | 75.4 | 86.1 | 89.6 | 90.8 | 93.3 | 94.3 | 98.3 | 99.5 | 99.5 | 99 | 99 |
| GE 1000 | 34.6 | 48.8 | 66.7 | 68.2 | 74.9 | 75.4 | 86.1 | 89.6 | 90.8 | 93.3 | 94.3 | 98.3 | 99.5 | 99.5 | 99 | 99 |
| GE 900 | 34.6 | 48.8 | 66.7 | 68.2 | 74.9 | 75.4 | 86.1 | 89.6 | 90.8 | 93.3 | 94.3 | 98.3 | 99.5 | 99.5 | 99 | 99 |
| GE 800 | 34.8 | 49.0 | 67.2 | 68.4 | 75.1 | 75.6 | 86.3 | 89.8 | 91.0 | 93.5 | 94.5 | 98.3 | 99.3 | 99.3 | 100 | 100 |
| GE 700 | 34.8 | 49.0 | 67.2 | 68.4 | 75.1 | 75.6 | 86.3 | 89.8 | 91.0 | 93.5 | 94.5 | 98.3 | 99.3 | 99.3 | 100 | 100 |
| GE 600 | 34.8 | 49.0 | 67.2 | 68.4 | 75.1 | 75.6 | 86.3 | 89.8 | 91.0 | 93.5 | 94.5 | 98.3 | 99.3 | 99.3 | 100 | 100 |
| GE 500 | 34.8 | 49.0 | 67.2 | 68.4 | 75.1 | 75.6 | 86.3 | 89.8 | 91.0 | 93.5 | 94.5 | 98.3 | 99.3 | 99.3 | 100 | 100 |
| GE 400 | 34.8 | 49.0 | 67.2 | 68.4 | 75.1 | 75.6 | 86.3 | 89.8 | 91.0 | 93.5 | 94.5 | 98.3 | 99.3 | 99.3 | 100 | 100 |
| GE 300 | 34.8 | 49.0 | 67.2 | 68.4 | 75.1 | 75.6 | 86.3 | 89.8 | 91.0 | 93.5 | 94.5 | 98.3 | 99.3 | 99.3 | 100 | 100 |
| GE 200 | 34.8 | 49.0 | 67.2 | 68.4 | 75.1 | 75.6 | 86.3 | 89.8 | 91.0 | 93.5 | 94.5 | 98.3 | 99.3 | 99.3 | 100 | 100 |
| GE 100 | 34.8 | 49.0 | 67.2 | 68.4 | 75.1 | 75.6 | 86.3 | 89.8 | 91.0 | 93.5 | 94.5 | 98.3 | 99.3 | 99.3 | 100 | 100 |
| GE 0 | 34.8 | 49.0 | 67.2 | 68.4 | 75.1 | 75.6 | 86.3 | 89.8 | 91.0 | 93.5 | 94.5 | 98.3 | 99.3 | 99.3 | 100 | 100 |

TOTAL NUMBER OF OBSERVATIONS: 432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: JAN HOURS(UT): 0500-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------------|---------|---------|---------|---------|---------|---------|------|------|------|------|------|------|------|
| | GE 1 | GE 1 1/4 | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | | | | | | | |
| NO CEIL | 5.8 | 31.8 | 48.5 | 49.9 | 53.5 | 53.5 | 59.5 | 51.6 | 62.9 | 63.1 | 63.3 | 53.3 | 54.5 | 64.6 | 54.8 |
| GE 20000 | 7.5 | 37.7 | 58.5 | 60.6 | 64.6 | 64.6 | 64.8 | 73.1 | 77.2 | 78.9 | 79.3 | 79.5 | 80.2 | 81.3 | 81.2 |
| GE 18000 | 7.5 | 37.7 | 58.5 | 60.6 | 64.6 | 64.6 | 64.8 | 73.1 | 77.2 | 78.9 | 79.3 | 79.5 | 80.2 | 81.3 | 81.2 |
| GE 16000 | 7.5 | 37.7 | 58.5 | 60.6 | 64.6 | 64.6 | 64.8 | 73.1 | 77.2 | 78.9 | 79.3 | 79.5 | 80.2 | 81.3 | 81.2 |
| GE 14000 | 7.5 | 38.0 | 58.5 | 60.8 | 64.8 | 64.8 | 65.0 | 73.3 | 77.4 | 79.1 | 79.5 | 79.7 | 80.4 | 81.2 | 81.4 |
| GE 12000 | 9.2 | 46.7 | 70.3 | 72.7 | 77.0 | 77.0 | 77.2 | 87.2 | 91.7 | 93.6 | 94.2 | 94.5 | 95.1 | 95.9 | 95.2 |
| GE 10000 | 9.2 | 46.7 | 70.3 | 72.7 | 77.0 | 77.0 | 77.2 | 87.2 | 91.7 | 93.6 | 94.2 | 94.5 | 95.1 | 95.9 | 95.2 |
| GE 9000 | 9.2 | 46.7 | 70.3 | 72.7 | 77.0 | 77.0 | 77.2 | 87.2 | 91.7 | 93.6 | 94.2 | 94.5 | 95.1 | 95.9 | 95.2 |
| GE 8000 | 9.2 | 46.7 | 70.3 | 72.7 | 77.0 | 77.0 | 77.2 | 87.2 | 91.7 | 93.6 | 94.2 | 94.5 | 95.1 | 95.9 | 95.2 |
| GE 7000 | 9.2 | 46.7 | 70.3 | 72.7 | 77.0 | 77.0 | 77.2 | 87.2 | 91.7 | 93.6 | 94.2 | 94.5 | 95.1 | 95.9 | 95.2 |
| GE 6000 | 9.2 | 46.7 | 70.3 | 72.7 | 77.0 | 77.0 | 77.2 | 87.2 | 91.7 | 93.6 | 94.2 | 94.5 | 95.1 | 95.9 | 95.2 |
| GE 5000 | 12.6 | 50.1 | 74.2 | 76.1 | 80.4 | 80.6 | 80.6 | 90.6 | 95.1 | 97.0 | 97.7 | 97.9 | 98.5 | 99.4 | 99.5 |
| GE 4500 | 12.6 | 50.1 | 74.2 | 76.1 | 80.4 | 80.6 | 80.6 | 90.6 | 95.1 | 97.0 | 97.7 | 97.9 | 98.5 | 99.4 | 99.5 |
| GE 4000 | 12.6 | 50.1 | 74.2 | 76.1 | 80.4 | 80.6 | 80.6 | 90.6 | 95.1 | 97.0 | 97.7 | 97.9 | 98.5 | 99.4 | 99.5 |
| GE 3500 | 12.6 | 50.1 | 74.2 | 76.1 | 80.4 | 80.6 | 80.6 | 90.6 | 95.1 | 97.0 | 97.7 | 97.9 | 98.5 | 99.4 | 99.5 |
| GE 3000 | 12.6 | 50.1 | 74.2 | 76.1 | 80.4 | 80.6 | 80.6 | 90.6 | 95.1 | 97.0 | 97.7 | 97.9 | 98.5 | 99.4 | 99.5 |
| GE 2500 | 12.6 | 50.1 | 74.2 | 76.1 | 80.4 | 80.6 | 80.6 | 90.6 | 95.1 | 97.0 | 97.7 | 97.9 | 98.5 | 99.4 | 99.5 |
| GE 2000 | 12.6 | 50.1 | 74.2 | 76.1 | 80.4 | 80.6 | 80.6 | 90.6 | 95.1 | 97.0 | 97.7 | 97.9 | 98.5 | 99.4 | 99.5 |
| GE 1800 | 12.6 | 50.1 | 74.2 | 76.1 | 80.4 | 80.6 | 80.6 | 90.6 | 95.1 | 97.0 | 97.7 | 97.9 | 98.5 | 99.4 | 99.5 |
| GE 1500 | 12.6 | 50.1 | 74.2 | 76.1 | 80.4 | 80.6 | 80.6 | 90.6 | 95.1 | 97.0 | 97.7 | 97.9 | 98.5 | 99.4 | 99.5 |
| GE 1200 | 12.6 | 50.3 | 74.4 | 76.3 | 80.6 | 80.8 | 80.8 | 90.8 | 95.3 | 97.2 | 97.9 | 98.1 | 98.7 | 99.5 | 99.6 |
| GE 1000 | 12.6 | 50.3 | 74.4 | 76.3 | 80.6 | 80.8 | 80.8 | 90.8 | 95.3 | 97.2 | 97.9 | 98.1 | 98.7 | 99.5 | 99.6 |
| GE 900 | 12.6 | 50.3 | 74.4 | 76.3 | 80.6 | 80.8 | 80.8 | 90.8 | 95.3 | 97.2 | 97.9 | 98.1 | 98.7 | 99.5 | 99.6 |
| GE 800 | 12.6 | 50.3 | 74.4 | 76.3 | 80.6 | 80.8 | 80.8 | 90.8 | 95.3 | 97.2 | 97.9 | 98.1 | 98.7 | 99.5 | 99.6 |
| GE 700 | 12.6 | 50.3 | 74.4 | 76.3 | 80.6 | 80.8 | 80.8 | 90.8 | 95.3 | 97.2 | 97.9 | 98.1 | 98.7 | 99.5 | 99.6 |
| GE 600 | 12.6 | 50.3 | 74.4 | 76.3 | 80.6 | 80.8 | 80.8 | 90.8 | 95.3 | 97.2 | 97.9 | 98.1 | 98.7 | 99.5 | 99.6 |
| GE 500 | 12.6 | 50.3 | 74.4 | 76.3 | 80.6 | 80.8 | 80.8 | 90.8 | 95.3 | 97.2 | 97.9 | 98.1 | 98.7 | 99.5 | 99.6 |
| GE 400 | 12.6 | 50.3 | 74.4 | 76.3 | 80.6 | 80.8 | 80.8 | 90.8 | 95.3 | 97.2 | 97.9 | 98.1 | 98.7 | 99.5 | 99.6 |
| GE 300 | 12.6 | 50.3 | 74.4 | 76.3 | 80.6 | 80.8 | 80.8 | 90.8 | 95.3 | 97.2 | 97.9 | 98.1 | 98.7 | 99.5 | 99.6 |
| GE 200 | 12.6 | 50.3 | 74.4 | 76.3 | 80.6 | 80.8 | 80.8 | 90.8 | 95.3 | 97.2 | 97.9 | 98.1 | 98.7 | 99.5 | 99.6 |
| GE 100 | 12.6 | 50.3 | 74.4 | 76.3 | 80.6 | 80.8 | 80.8 | 90.8 | 95.3 | 97.2 | 97.9 | 98.1 | 98.7 | 99.5 | 99.6 |
| GE 0 | 12.6 | 50.3 | 74.4 | 76.3 | 80.6 | 80.8 | 80.8 | 90.8 | 95.3 | 97.2 | 97.9 | 98.1 | 98.7 | 99.5 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS: 429

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: JAN HOURS: 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | .3 | 5.7 | 27.6 | 46.5 | 47.8 | 54.6 | 54.6 | 61.4 | 52.4 | 64.6 | 54.6 | 55.4 | 55.7 | 65.7 | 65.7 | 55.7 |
| GE 20000 | .3 | 7.0 | 31.6 | 54.7 | 56.2 | 63.0 | 53.0 | 72.2 | 75.9 | 79.5 | 79.5 | 80.3 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 18000 | .3 | 7.0 | 31.6 | 54.7 | 56.2 | 63.0 | 53.0 | 72.2 | 75.9 | 79.5 | 79.5 | 80.3 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 16000 | .3 | 7.0 | 31.6 | 54.7 | 56.2 | 63.0 | 53.0 | 72.2 | 75.9 | 79.5 | 79.5 | 80.3 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 14000 | .3 | 7.0 | 31.9 | 55.4 | 56.8 | 53.5 | 53.5 | 72.7 | 75.5 | 80.0 | 80.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 12000 | .3 | 8.6 | 36.2 | 53.5 | 64.9 | 72.4 | 72.4 | 83.2 | 87.0 | 90.8 | 90.8 | 91.9 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 10000 | .3 | 8.6 | 36.2 | 53.5 | 64.9 | 72.4 | 72.4 | 83.2 | 87.0 | 90.8 | 90.8 | 91.9 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 9000 | .3 | 8.6 | 36.2 | 53.5 | 64.9 | 72.4 | 72.4 | 83.2 | 87.0 | 90.8 | 90.8 | 91.9 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 8000 | .3 | 8.6 | 36.2 | 53.5 | 64.9 | 72.4 | 72.4 | 83.2 | 87.0 | 90.8 | 90.8 | 91.9 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 7000 | .3 | 8.6 | 36.2 | 53.5 | 64.9 | 72.4 | 72.4 | 83.2 | 87.0 | 90.8 | 90.8 | 91.9 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 6000 | .3 | 8.6 | 36.2 | 53.5 | 64.9 | 72.4 | 72.4 | 83.2 | 87.0 | 90.8 | 90.8 | 91.9 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 5000 | .3 | 15.9 | 43.5 | 70.3 | 72.2 | 79.7 | 79.7 | 90.5 | 94.3 | 98.1 | 98.1 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 4500 | .3 | 15.9 | 43.5 | 70.3 | 72.2 | 79.7 | 79.7 | 90.5 | 94.3 | 98.1 | 98.1 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 4000 | .3 | 15.9 | 43.5 | 70.3 | 72.2 | 79.7 | 79.7 | 90.5 | 94.3 | 98.1 | 98.1 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 3500 | .3 | 15.9 | 43.5 | 70.3 | 72.2 | 79.7 | 79.7 | 90.5 | 94.3 | 98.1 | 98.1 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 3000 | .3 | 15.9 | 43.5 | 70.3 | 72.2 | 79.7 | 79.7 | 90.5 | 94.3 | 98.1 | 98.1 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 2500 | .3 | 15.9 | 43.5 | 70.3 | 72.2 | 79.7 | 79.7 | 90.5 | 94.3 | 98.1 | 98.1 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 2000 | .3 | 15.9 | 43.5 | 70.3 | 72.2 | 79.7 | 79.7 | 90.5 | 94.3 | 98.1 | 98.1 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1800 | .3 | 15.9 | 43.5 | 70.3 | 72.2 | 79.7 | 79.7 | 90.5 | 94.3 | 98.1 | 98.1 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1500 | .3 | 15.9 | 43.5 | 70.3 | 72.2 | 79.7 | 79.7 | 90.5 | 94.3 | 98.1 | 98.1 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1200 | .3 | 16.2 | 43.8 | 71.1 | 72.4 | 80.0 | 80.0 | 90.8 | 94.6 | 98.4 | 98.4 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | .3 | 16.2 | 43.8 | 71.1 | 72.4 | 80.0 | 80.0 | 90.8 | 94.6 | 98.4 | 98.4 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | .3 | 16.2 | 43.8 | 71.1 | 72.4 | 80.0 | 80.0 | 90.8 | 94.6 | 98.4 | 98.4 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | .3 | 16.2 | 43.8 | 71.1 | 72.4 | 80.0 | 80.0 | 90.8 | 94.6 | 98.4 | 98.4 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | .3 | 16.2 | 43.8 | 71.1 | 72.4 | 80.0 | 80.0 | 90.8 | 94.6 | 98.4 | 98.4 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | .3 | 16.2 | 43.8 | 71.1 | 72.4 | 80.0 | 80.0 | 90.8 | 94.6 | 98.4 | 98.4 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | .3 | 16.2 | 43.8 | 71.1 | 72.4 | 80.0 | 80.0 | 90.8 | 94.6 | 98.4 | 98.4 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | .3 | 16.2 | 43.8 | 71.1 | 72.4 | 80.0 | 80.0 | 90.8 | 94.6 | 98.4 | 98.4 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | .3 | 16.2 | 43.8 | 71.1 | 72.4 | 80.0 | 80.0 | 90.8 | 94.6 | 98.4 | 98.4 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | .3 | 16.2 | 43.8 | 71.1 | 72.4 | 80.0 | 80.0 | 90.8 | 94.6 | 98.4 | 98.4 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | .3 | 16.2 | 43.8 | 71.1 | 72.4 | 80.0 | 80.0 | 90.8 | 94.6 | 98.4 | 98.4 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 00 | .3 | 16.2 | 43.8 | 71.1 | 72.4 | 80.0 | 80.0 | 90.8 | 94.6 | 98.4 | 98.4 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 370

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: FEB YEARS: 1975-2000

| CEILINGS IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------------------|-----------------------------|-------|------|-------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| NO CEIL | | | 22.5 | 33.0 | 42.2 | 43.6 | 50.6 | 51.1 | 56.2 | 58.5 | 59.0 | 59.3 | 59.5 | 59.7 | 59.9 | 60.0 |
| GE 20000 | .2 | 31.1 | 48.9 | 51.5 | 63.2 | 71.0 | 71.4 | 78.7 | 82.2 | 83.1 | 85.4 | 85.8 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 18000 | .2 | 31.1 | 48.9 | 51.5 | 63.2 | 71.0 | 71.4 | 78.7 | 82.2 | 83.1 | 85.4 | 85.8 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 16000 | .2 | 31.1 | 48.9 | 51.5 | 63.2 | 71.0 | 71.4 | 78.7 | 82.2 | 83.1 | 85.4 | 85.8 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 14000 | .2 | 31.1 | 48.9 | 51.5 | 63.2 | 71.0 | 71.4 | 78.7 | 82.2 | 83.1 | 85.4 | 85.8 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 12000 | .2 | 35.8 | 54.3 | 57.7 | 69.8 | 78.5 | 78.9 | 86.7 | 90.4 | 91.3 | 91.5 | 92.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 10000 | .2 | 35.8 | 54.3 | 57.7 | 69.8 | 78.5 | 78.9 | 86.7 | 90.4 | 91.3 | 91.5 | 92.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 9000 | .2 | 35.8 | 54.3 | 57.7 | 69.8 | 78.5 | 78.9 | 86.7 | 90.4 | 91.3 | 91.5 | 92.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 8000 | .2 | 35.8 | 54.3 | 57.7 | 69.8 | 78.5 | 78.9 | 86.7 | 90.4 | 91.3 | 91.5 | 92.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 7000 | .2 | 35.8 | 54.3 | 57.7 | 69.8 | 78.5 | 78.9 | 86.7 | 90.4 | 91.3 | 91.5 | 92.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 6000 | .2 | 35.8 | 54.3 | 57.7 | 69.8 | 78.5 | 78.9 | 86.7 | 90.4 | 91.3 | 91.5 | 92.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 5000 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 4500 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 4000 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3500 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | .2 | 42.9 | 61.4 | 74.7 | 76.8 | 85.5 | 85.9 | 93.7 | 97.4 | 98.4 | 98.5 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 427

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: FEB HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | |
| NO CEIL | | 6.9 | 31.2 | 48.7 | 50.8 | 57.1 | 57.1 | 66.1 | 68.2 | 69.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 20000 | 11.1 | 40.8 | 51.5 | 63.4 | 70.0 | 70.0 | 80.8 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 18000 | 11.1 | 40.8 | 51.5 | 63.4 | 70.0 | 70.0 | 80.8 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 16000 | 11.1 | 40.8 | 51.5 | 63.4 | 70.0 | 70.0 | 80.8 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 14000 | 11.1 | 40.8 | 51.5 | 63.4 | 70.0 | 70.0 | 80.8 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 12000 | 13.8 | 45.3 | 57.1 | 68.8 | 75.4 | 75.4 | 88.0 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 10000 | 13.8 | 45.3 | 57.1 | 68.8 | 75.4 | 75.4 | 88.0 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 9000 | 13.8 | 45.3 | 57.1 | 68.8 | 75.4 | 75.4 | 88.0 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 8000 | 13.8 | 45.3 | 57.1 | 68.8 | 75.4 | 75.4 | 88.0 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 7000 | 13.8 | 45.3 | 57.1 | 68.8 | 75.4 | 75.4 | 88.0 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 6000 | 13.8 | 45.3 | 57.1 | 68.8 | 75.4 | 75.4 | 88.0 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 5000 | 20.4 | 52.0 | 73.5 | 75.4 | 82.0 | 82.0 | 94.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 4500 | 20.4 | 52.0 | 73.5 | 75.4 | 82.0 | 82.0 | 94.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 4000 | 20.4 | 52.0 | 73.5 | 75.4 | 82.0 | 82.0 | 94.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 3500 | 20.4 | 52.0 | 73.5 | 75.4 | 82.0 | 82.0 | 94.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 3000 | 20.4 | 52.0 | 73.5 | 75.4 | 82.0 | 82.0 | 94.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 2500 | 20.4 | 52.0 | 73.5 | 75.4 | 82.0 | 82.0 | 94.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 2000 | 20.4 | 52.0 | 73.5 | 75.4 | 82.0 | 82.0 | 94.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1800 | 20.4 | 52.0 | 73.5 | 75.4 | 82.0 | 82.0 | 94.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1500 | 21.0 | 52.6 | 74.2 | 76.0 | 82.6 | 82.6 | 95.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1200 | 21.0 | 52.6 | 74.2 | 76.0 | 82.6 | 82.6 | 95.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1000 | 21.0 | 52.6 | 74.2 | 76.0 | 82.6 | 82.6 | 95.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 21.0 | 52.6 | 74.2 | 76.0 | 82.6 | 82.6 | 95.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 21.0 | 52.6 | 74.2 | 76.0 | 82.6 | 82.6 | 95.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 21.0 | 52.6 | 74.2 | 76.0 | 82.6 | 82.6 | 95.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 21.0 | 52.6 | 74.2 | 76.0 | 82.6 | 82.6 | 95.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 21.0 | 52.6 | 74.2 | 76.0 | 82.6 | 82.6 | 95.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 21.0 | 52.6 | 74.2 | 76.0 | 82.6 | 82.6 | 95.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300 | 21.0 | 52.6 | 74.2 | 76.0 | 82.6 | 82.6 | 95.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 200 | 21.0 | 52.6 | 74.2 | 76.0 | 82.6 | 82.6 | 95.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 100 | 21.0 | 52.6 | 74.2 | 76.0 | 82.6 | 82.6 | 95.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 01 | 21.0 | 52.6 | 74.2 | 76.0 | 82.6 | 82.6 | 95.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS: 333

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: FEB HOURS/DAY: ALL

| CEILING IN FEET | GE | VISIBILITY IN 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 |
| NO CEIL | .1 | 13.2 | 32.8 | 49.4 | 50.9 | 56.8 | 57.0 | 63.1 | 65.5 | 65.2 | 66.4 | 66.9 | 67.3 | 67.5 | 67.5 | |
| GE 20000 | .1 | 18.1 | 43.0 | 62.3 | 64.7 | 71.4 | 71.5 | 79.4 | 82.5 | 83.4 | 83.9 | 84.3 | 84.9 | 85.3 | 85.3 | |
| GE 18000 | .1 | 18.1 | 43.0 | 62.3 | 64.7 | 71.4 | 71.5 | 79.4 | 82.5 | 83.4 | 83.9 | 84.3 | 84.9 | 85.3 | 85.3 | |
| GE 16000 | .1 | 18.1 | 43.0 | 62.3 | 64.7 | 71.4 | 71.5 | 79.4 | 82.5 | 83.4 | 83.8 | 84.3 | 84.9 | 85.3 | 85.3 | |
| GE 14000 | .1 | 18.2 | 43.1 | 63.0 | 64.9 | 71.6 | 71.9 | 79.7 | 82.7 | 83.7 | 84.0 | 84.6 | 85.2 | 85.3 | 85.3 | |
| GE 12000 | .1 | 21.3 | 48.3 | 69.0 | 70.9 | 78.1 | 78.4 | 87.0 | 90.1 | 91.1 | 91.4 | 92.0 | 92.6 | 92.7 | 92.9 | |
| GE 10000 | .1 | 21.3 | 48.3 | 69.0 | 70.9 | 78.1 | 78.4 | 87.0 | 90.1 | 91.1 | 91.4 | 92.0 | 92.6 | 92.7 | 92.9 | |
| GE 9000 | .1 | 21.3 | 48.3 | 69.0 | 70.9 | 78.1 | 78.4 | 87.0 | 90.1 | 91.1 | 91.4 | 92.0 | 92.6 | 92.7 | 92.9 | |
| GE 8000 | .1 | 21.3 | 48.3 | 69.0 | 70.9 | 78.1 | 78.4 | 87.0 | 90.1 | 91.1 | 91.4 | 92.0 | 92.6 | 92.7 | 92.9 | |
| GE 7000 | .1 | 21.3 | 48.3 | 69.0 | 70.9 | 78.1 | 78.4 | 87.0 | 90.1 | 91.1 | 91.4 | 92.0 | 92.6 | 92.7 | 92.9 | |
| GE 6000 | .1 | 21.3 | 48.3 | 69.0 | 70.9 | 78.1 | 78.4 | 87.0 | 90.1 | 91.1 | 91.4 | 92.0 | 92.6 | 92.7 | 92.9 | |
| GE 5000 | .1 | 27.5 | 54.6 | 75.3 | 77.3 | 84.5 | 84.7 | 93.3 | 96.4 | 97.4 | 97.7 | 98.3 | 99.0 | 99.0 | 99.1 | |
| GE 4500 | .1 | 27.5 | 54.6 | 75.3 | 77.3 | 84.5 | 84.7 | 93.3 | 96.4 | 97.4 | 97.8 | 98.4 | 99.0 | 99.1 | 99.1 | |
| GE 4000 | .1 | 27.5 | 54.6 | 75.3 | 77.3 | 84.5 | 84.7 | 93.3 | 96.4 | 97.4 | 97.8 | 98.4 | 99.0 | 99.1 | 99.1 | |
| GE 3500 | .1 | 27.5 | 54.6 | 75.3 | 77.3 | 84.5 | 84.7 | 93.3 | 96.4 | 97.4 | 97.8 | 98.4 | 99.0 | 99.1 | 99.1 | |
| GE 3000 | .1 | 27.6 | 54.6 | 75.4 | 77.3 | 84.5 | 84.7 | 93.4 | 96.5 | 97.5 | 97.8 | 98.4 | 99.0 | 99.1 | 99.1 | |
| GE 2500 | .1 | 27.6 | 54.6 | 75.4 | 77.3 | 84.5 | 84.7 | 93.4 | 96.5 | 97.5 | 97.8 | 98.4 | 99.0 | 99.1 | 99.1 | |
| GE 2000 | .1 | 27.6 | 54.6 | 75.4 | 77.3 | 84.5 | 84.8 | 93.4 | 96.6 | 97.5 | 97.9 | 98.5 | 99.0 | 99.1 | 99.2 | |
| GE 1800 | .1 | 27.6 | 54.6 | 75.4 | 77.3 | 84.5 | 84.8 | 93.4 | 96.6 | 97.5 | 97.9 | 98.5 | 99.0 | 99.1 | 99.2 | |
| GE 1500 | .1 | 27.8 | 54.9 | 75.5 | 77.5 | 84.7 | 85.0 | 93.6 | 96.8 | 97.8 | 98.1 | 98.7 | 99.2 | 99.4 | 99.4 | |
| GE 1200 | .1 | 27.9 | 55.1 | 75.5 | 77.9 | 85.0 | 85.2 | 93.9 | 97.0 | 99.0 | 99.3 | 99.9 | 99.5 | 99.5 | 99.5 | |
| GE 1000 | .1 | 28.0 | 55.1 | 76.0 | 77.9 | 85.1 | 85.4 | 94.0 | 97.2 | 99.1 | 99.5 | 99.1 | 99.5 | 99.7 | 99.8 | |
| GE 900 | .1 | 28.0 | 55.1 | 76.0 | 77.9 | 85.1 | 85.4 | 94.0 | 97.2 | 99.1 | 99.5 | 99.1 | 99.5 | 99.7 | 99.8 | |
| GE 800 | .1 | 28.0 | 55.3 | 76.1 | 78.0 | 85.2 | 85.5 | 94.1 | 97.3 | 99.3 | 99.5 | 99.2 | 99.7 | 99.9 | 99.9 | |
| GE 700 | .1 | 28.0 | 55.3 | 76.2 | 78.1 | 85.3 | 85.5 | 94.2 | 97.3 | 99.3 | 99.6 | 99.2 | 99.9 | 99.9 | 99.9 | |
| GE 600 | .1 | 28.0 | 55.3 | 76.2 | 78.1 | 85.3 | 85.5 | 94.2 | 97.3 | 99.3 | 99.5 | 99.2 | 99.9 | 99.9 | 99.9 | |
| GE 500 | .1 | 28.0 | 55.3 | 76.2 | 78.1 | 85.3 | 85.5 | 94.2 | 97.3 | 99.3 | 99.5 | 99.2 | 99.9 | 99.9 | 99.9 | |
| GE 400 | .1 | 28.0 | 55.3 | 76.2 | 78.1 | 85.3 | 85.5 | 94.2 | 97.3 | 99.3 | 99.5 | 99.2 | 99.9 | 99.9 | 99.9 | |
| GE 300 | .1 | 28.0 | 55.3 | 76.2 | 78.1 | 85.3 | 85.5 | 94.2 | 97.3 | 99.3 | 99.5 | 99.2 | 99.9 | 99.9 | 99.9 | |
| GE 200 | .1 | 28.0 | 55.3 | 76.2 | 78.1 | 85.3 | 85.5 | 94.2 | 97.3 | 99.3 | 99.5 | 99.2 | 99.9 | 99.9 | 99.9 | |
| GE 100 | .1 | 28.0 | 55.3 | 76.2 | 78.1 | 85.3 | 85.5 | 94.2 | 97.3 | 99.3 | 99.5 | 99.2 | 99.9 | 99.9 | 99.9 | |
| GE 0 | .1 | 28.0 | 55.3 | 76.2 | 78.1 | 85.3 | 85.5 | 94.2 | 97.3 | 99.3 | 99.5 | 99.2 | 99.9 | 99.9 | 99.9 | |

TOTAL NUMBER OF OBSERVATIONS: 3136

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILINGS VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 016410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAR COURSE(S): 0000-0000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| | 1 | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 | 1/8 | 1/2 | 1/4 | 1/8 | 1/4 | 1/8 | 1/4 | 1/8 | 1/4 | 1/8 | |
| NO CEIL | | | 10.7 | 35.8 | 52.4 | 54.5 | 59.2 | 50.3 | 64.0 | 55.1 | 65.3 | 56.5 | 56.7 | 55.7 | 53.7 | 65.9 | 51 |
| GE 20000 | 11.4 | 38.7 | 59.3 | 62.5 | 59.2 | 59.1 | 73.5 | 75.6 | 75.8 | 76.3 | 76.4 | 75.4 | 75.4 | 75.4 | 75.6 | 77 | 77 |
| GE 18000 | 11.4 | 38.7 | 59.3 | 62.5 | 59.2 | 59.1 | 73.5 | 75.6 | 75.8 | 76.3 | 76.4 | 75.4 | 75.4 | 75.4 | 75.6 | 77 | 77 |
| GE 16000 | 11.4 | 38.7 | 59.3 | 62.5 | 59.2 | 59.1 | 73.5 | 75.6 | 75.8 | 76.3 | 76.4 | 75.4 | 75.4 | 75.4 | 75.6 | 77 | 77 |
| GE 14000 | 11.4 | 39.2 | 53.2 | 62.9 | 59.5 | 59.5 | 73.9 | 76.2 | 75.4 | 75.6 | 77.1 | 77.1 | 77.1 | 77.1 | 77.3 | 77 | 77 |
| GE 12000 | 13.1 | 44.4 | 57.3 | 73.9 | 75.3 | 77.7 | 83.2 | 85.7 | 85.9 | 85.1 | 86.5 | 85.5 | 85.5 | 85.5 | 85.7 | 87 | 87 |
| GE 10000 | 13.1 | 44.4 | 57.3 | 73.9 | 75.8 | 77.7 | 83.2 | 85.7 | 85.9 | 85.1 | 86.5 | 85.5 | 85.5 | 85.5 | 85.7 | 87 | 87 |
| GE 9000 | 13.1 | 44.4 | 57.3 | 73.9 | 75.8 | 77.7 | 83.2 | 85.7 | 85.9 | 85.1 | 86.5 | 85.5 | 85.5 | 85.5 | 85.7 | 87 | 87 |
| GE 8000 | 13.1 | 44.4 | 57.3 | 73.9 | 75.8 | 77.7 | 83.2 | 85.7 | 85.9 | 86.1 | 86.5 | 85.5 | 85.5 | 85.5 | 85.7 | 87 | 87 |
| GE 7000 | 13.1 | 44.4 | 57.3 | 73.9 | 75.3 | 77.7 | 83.2 | 85.7 | 85.9 | 86.1 | 86.5 | 85.5 | 85.5 | 85.5 | 85.7 | 87 | 87 |
| GE 6000 | 13.1 | 44.4 | 57.3 | 73.9 | 75.3 | 77.7 | 83.2 | 85.7 | 85.9 | 85.1 | 86.5 | 85.5 | 85.5 | 85.5 | 85.7 | 87 | 87 |
| GE 5000 | 24.2 | 55.6 | 78.9 | 82.1 | 88.3 | 88.9 | 94.3 | 95.8 | 97.1 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.9 | 99 | 99 |
| GE 4500 | 24.2 | 55.6 | 78.9 | 82.1 | 88.3 | 88.9 | 94.3 | 96.8 | 97.1 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.9 | 99 | 99 |
| GE 4000 | 24.2 | 55.6 | 78.9 | 82.1 | 88.3 | 88.9 | 94.3 | 96.8 | 97.1 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.9 | 99 | 99 |
| GE 3500 | 24.2 | 55.6 | 78.9 | 82.1 | 88.3 | 88.9 | 94.3 | 95.8 | 97.1 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.9 | 99 | 99 |
| GE 3000 | 24.2 | 55.6 | 79.2 | 82.3 | 88.2 | 89.1 | 94.5 | 97.1 | 97.3 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 98.1 | 99 | 99 |
| GE 2500 | 24.2 | 55.6 | 79.2 | 82.3 | 88.2 | 89.1 | 94.5 | 97.1 | 97.3 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 98.1 | 99 | 99 |
| GE 2000 | 24.2 | 55.6 | 79.2 | 82.3 | 88.2 | 89.1 | 94.5 | 97.1 | 97.3 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 98.1 | 99 | 99 |
| GE 1800 | 24.2 | 55.6 | 79.2 | 82.3 | 88.2 | 89.1 | 94.5 | 97.1 | 97.3 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 98.1 | 99 | 99 |
| GE 1500 | 24.2 | 55.6 | 79.2 | 82.3 | 88.2 | 89.1 | 94.5 | 97.1 | 97.3 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 98.1 | 99 | 99 |
| GE 1200 | 24.2 | 55.6 | 79.2 | 82.3 | 88.2 | 89.1 | 94.5 | 97.1 | 97.3 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 98.1 | 99 | 99 |
| GE 1000 | 24.4 | 56.0 | 79.3 | 82.5 | 88.4 | 89.3 | 94.7 | 97.3 | 97.5 | 97.7 | 98.1 | 98.1 | 98.1 | 98.3 | 99 | 99 | 99 |
| GE 900 | 24.4 | 56.0 | 79.3 | 82.5 | 88.4 | 89.3 | 94.7 | 97.3 | 97.5 | 97.7 | 98.1 | 98.1 | 98.1 | 98.3 | 99 | 99 | 99 |
| GE 800 | 24.4 | 56.0 | 79.3 | 82.7 | 88.6 | 89.5 | 94.9 | 97.5 | 97.7 | 97.9 | 98.3 | 98.3 | 98.3 | 98.5 | 99 | 99 | 99 |
| GE 700 | 24.4 | 56.0 | 79.3 | 82.7 | 88.5 | 89.5 | 94.9 | 97.5 | 97.7 | 97.9 | 98.3 | 98.3 | 98.3 | 98.5 | 99 | 99 | 99 |
| GE 600 | 24.4 | 56.0 | 79.3 | 83.2 | 89.1 | 89.9 | 95.4 | 97.9 | 98.1 | 98.3 | 98.7 | 98.7 | 98.7 | 98.9 | 99 | 99 | 99 |
| GE 500 | 24.4 | 56.0 | 79.3 | 83.6 | 89.5 | 90.3 | 95.8 | 98.3 | 98.5 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.6 | 100 | 100 |
| GE 400 | 24.4 | 56.0 | 79.3 | 83.5 | 89.5 | 90.3 | 95.8 | 98.3 | 98.5 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.6 | 100 | 100 |
| GE 300 | 24.4 | 56.0 | 79.3 | 83.6 | 89.5 | 90.3 | 95.8 | 98.3 | 98.5 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.6 | 100 | 100 |
| GE 200 | 24.4 | 56.0 | 79.3 | 83.5 | 89.5 | 90.3 | 95.8 | 98.3 | 98.5 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.6 | 100 | 100 |
| GE 100 | 24.4 | 56.0 | 79.3 | 83.6 | 89.5 | 90.3 | 95.8 | 98.3 | 98.5 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.6 | 100 | 100 |
| GE 0 | 24.4 | 56.0 | 79.3 | 83.6 | 89.5 | 90.3 | 95.8 | 98.3 | 98.5 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.6 | 100 | 100 |

TOTAL NUMBER OF OBSERVATIONS: 475

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: MAR HOURS(EST): 0300-05

| CEILING IN FEET | VISIBILITY IN 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 |
| NO CEIL | | 10.1 | 34.4 | 48.2 | 49.4 | 55.3 | 55.8 | 63.9 | 61.9 | 62.7 | 62.7 | 63.1 | 63.1 | 63.4 | 63.4 |
| GE 20000 | 10.8 | 37.8 | 56.3 | 58.5 | 64.9 | 65.4 | 73.5 | 71.5 | 72.2 | 72.2 | 72.7 | 72.7 | 73.0 | 73.0 | 73.0 |
| GE 18000 | 10.8 | 37.8 | 56.3 | 58.5 | 64.9 | 65.4 | 73.5 | 71.5 | 72.2 | 72.2 | 72.7 | 72.7 | 73.0 | 73.0 | 73.0 |
| GE 16000 | 10.8 | 37.8 | 56.3 | 58.5 | 64.9 | 65.4 | 73.5 | 71.5 | 72.2 | 72.2 | 72.7 | 72.7 | 73.0 | 73.0 | 73.0 |
| GE 14000 | 10.8 | 38.3 | 57.3 | 59.5 | 65.8 | 66.3 | 71.5 | 72.5 | 73.2 | 73.2 | 73.7 | 73.7 | 74.0 | 74.0 | 74.0 |
| GE 12000 | 12.5 | 43.7 | 55.3 | 67.6 | 74.4 | 74.9 | 83.8 | 81.8 | 82.6 | 82.6 | 83.0 | 83.0 | 83.5 | 83.5 | 83.5 |
| GE 10000 | 12.5 | 43.7 | 55.3 | 67.6 | 74.4 | 74.9 | 83.8 | 81.8 | 82.6 | 82.6 | 83.0 | 83.0 | 83.5 | 83.5 | 83.5 |
| GE 9000 | 12.5 | 43.7 | 55.3 | 67.6 | 74.4 | 74.9 | 83.8 | 81.8 | 82.6 | 82.6 | 83.0 | 83.0 | 83.5 | 83.5 | 83.5 |
| GE 8000 | 12.5 | 43.7 | 55.3 | 67.6 | 74.4 | 74.9 | 83.8 | 81.8 | 82.6 | 82.6 | 83.0 | 83.0 | 83.5 | 83.5 | 83.5 |
| GE 7000 | 12.5 | 43.7 | 55.3 | 67.6 | 74.4 | 74.9 | 83.8 | 81.8 | 82.6 | 82.6 | 83.0 | 83.0 | 83.5 | 83.5 | 83.5 |
| GE 6000 | 12.5 | 43.7 | 55.3 | 67.6 | 74.4 | 74.9 | 83.8 | 81.8 | 82.6 | 82.6 | 83.0 | 83.0 | 83.5 | 83.5 | 83.5 |
| GE 5000 | 25.1 | 56.3 | 78.1 | 87.1 | 87.0 | 87.5 | 93.4 | 94.3 | 95.1 | 95.1 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 |
| GE 4500 | 25.1 | 56.3 | 78.1 | 87.1 | 87.0 | 87.5 | 93.4 | 94.3 | 95.1 | 95.1 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 |
| GE 4000 | 25.1 | 56.3 | 78.1 | 87.1 | 87.0 | 87.5 | 93.4 | 94.3 | 95.1 | 95.1 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 |
| GE 3500 | 25.1 | 56.3 | 78.1 | 87.1 | 87.0 | 87.5 | 93.4 | 94.3 | 95.1 | 95.1 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 |
| GE 3000 | 25.1 | 56.3 | 78.1 | 87.1 | 87.0 | 87.5 | 93.4 | 94.3 | 95.1 | 95.1 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 |
| GE 2500 | 25.1 | 56.3 | 78.1 | 87.1 | 87.0 | 87.5 | 93.4 | 94.3 | 95.1 | 95.1 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 |
| GE 2000 | 25.1 | 56.3 | 78.1 | 87.1 | 87.0 | 87.5 | 93.4 | 94.3 | 95.1 | 95.1 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 |
| GE 1800 | 25.1 | 56.3 | 78.1 | 87.1 | 87.0 | 87.5 | 93.4 | 94.3 | 95.1 | 95.1 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 |
| GE 1500 | 25.1 | 56.3 | 78.1 | 87.1 | 87.0 | 87.5 | 93.4 | 94.3 | 95.1 | 95.1 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 |
| GE 1200 | 25.1 | 56.3 | 78.1 | 87.1 | 87.0 | 87.5 | 93.4 | 94.3 | 95.1 | 95.1 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 |
| GE 1000 | 25.3 | 56.5 | 78.3 | 87.3 | 87.5 | 88.0 | 93.9 | 94.8 | 95.6 | 95.6 | 96.1 | 96.1 | 96.5 | 96.5 | 96.5 |
| GE 900 | 25.3 | 56.5 | 78.3 | 87.3 | 87.5 | 88.0 | 93.9 | 94.8 | 95.6 | 95.6 | 96.1 | 96.1 | 96.5 | 96.5 | 96.5 |
| GE 800 | 25.3 | 56.5 | 78.3 | 87.3 | 87.5 | 88.0 | 93.9 | 94.8 | 95.6 | 95.6 | 96.1 | 96.1 | 96.5 | 96.5 | 96.5 |
| GE 700 | 25.3 | 56.8 | 78.7 | 81.1 | 88.0 | 88.5 | 94.3 | 95.3 | 96.1 | 96.1 | 96.5 | 96.5 | 97.1 | 97.1 | 97.1 |
| GE 600 | 25.3 | 56.8 | 78.7 | 81.1 | 88.0 | 88.5 | 94.3 | 95.3 | 96.1 | 96.1 | 96.5 | 96.5 | 97.1 | 97.1 | 97.1 |
| GE 500 | 25.3 | 56.8 | 79.1 | 82.3 | 89.2 | 89.7 | 95.6 | 96.6 | 97.3 | 97.3 | 97.8 | 97.8 | 98.3 | 98.3 | 98.3 |
| GE 400 | 25.3 | 56.8 | 79.1 | 82.3 | 89.2 | 89.7 | 95.6 | 96.6 | 97.3 | 97.3 | 97.8 | 97.8 | 98.3 | 98.3 | 98.3 |
| GE 300 | 25.3 | 56.8 | 79.1 | 82.3 | 89.2 | 89.7 | 95.6 | 96.6 | 97.3 | 97.3 | 97.8 | 97.8 | 98.3 | 98.3 | 98.3 |
| GE 200 | 25.3 | 56.8 | 79.1 | 82.3 | 89.2 | 89.7 | 95.6 | 96.6 | 97.3 | 97.3 | 97.8 | 97.8 | 98.3 | 98.3 | 98.3 |
| GE 100 | 25.6 | 57.0 | 79.3 | 82.6 | 89.4 | 89.9 | 95.8 | 96.8 | 97.5 | 97.5 | 98.0 | 98.0 | 98.5 | 98.5 | 98.5 |
| GE 0 | 25.6 | 57.0 | 79.3 | 82.6 | 89.4 | 89.9 | 95.8 | 96.8 | 97.5 | 97.5 | 98.0 | 98.0 | 98.5 | 98.5 | 98.5 |

TOTAL NUMBER OF OBSERVATIONS: 437

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAR HOURS(DIST): 3500-3400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/15 | GE 1/4 | GE 0 |
| NO CEIL | 8.9 | 33.5 | 47.4 | 49.4 | 53.7 | 54.1 | 50.2 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| GE 20000 | 9.3 | 37.2 | 55.3 | 58.4 | 64.1 | 64.3 | 70.8 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 18000 | 9.3 | 37.2 | 55.3 | 58.4 | 64.1 | 64.3 | 70.8 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 16000 | 9.3 | 37.2 | 55.3 | 58.4 | 64.1 | 64.3 | 70.8 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 14000 | 9.3 | 37.4 | 56.3 | 59.9 | 64.5 | 64.7 | 71.2 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| GE 12000 | 12.3 | 44.6 | 56.3 | 69.7 | 75.5 | 75.9 | 83.3 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 10000 | 12.3 | 44.8 | 56.7 | 69.9 | 75.8 | 76.0 | 83.5 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 9000 | 12.3 | 44.8 | 56.7 | 69.9 | 75.8 | 76.0 | 83.5 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 8000 | 12.3 | 44.8 | 56.7 | 69.9 | 75.8 | 76.0 | 83.5 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 7000 | 12.3 | 44.8 | 56.7 | 69.9 | 75.8 | 76.0 | 83.5 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 6000 | 12.3 | 44.8 | 56.7 | 69.9 | 75.8 | 76.0 | 83.5 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 5000 | 23.4 | 55.8 | 77.7 | 81.3 | 86.8 | 87.0 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 4500 | 23.4 | 55.8 | 77.7 | 81.3 | 86.8 | 87.0 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 4000 | 23.4 | 55.8 | 77.7 | 81.3 | 86.8 | 87.0 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 3500 | 23.4 | 55.8 | 77.7 | 81.3 | 86.8 | 87.0 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 3000 | 23.4 | 55.8 | 77.7 | 81.3 | 86.8 | 87.0 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 2500 | 23.4 | 55.8 | 77.7 | 81.3 | 86.8 | 87.0 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 2000 | 23.4 | 55.8 | 77.7 | 81.3 | 86.8 | 87.0 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 1800 | 23.4 | 55.8 | 77.7 | 81.3 | 86.8 | 87.0 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 1600 | 23.4 | 55.8 | 77.7 | 81.3 | 86.8 | 87.0 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 1400 | 23.4 | 55.8 | 77.7 | 81.3 | 86.8 | 87.0 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 1200 | 23.4 | 55.8 | 77.7 | 81.3 | 86.8 | 87.0 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 1000 | 23.6 | 56.5 | 78.4 | 81.6 | 87.4 | 87.7 | 95.2 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 900 | 23.6 | 56.5 | 78.4 | 81.6 | 87.4 | 87.7 | 95.2 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 800 | 23.6 | 56.5 | 78.4 | 81.6 | 87.4 | 87.7 | 95.2 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 700 | 23.6 | 56.7 | 78.3 | 82.3 | 87.9 | 88.1 | 95.7 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 600 | 23.6 | 56.7 | 78.3 | 82.3 | 87.9 | 88.1 | 95.7 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 500 | 23.8 | 56.9 | 80.3 | 83.5 | 89.4 | 89.6 | 97.2 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 400 | 23.8 | 56.9 | 80.3 | 83.5 | 89.4 | 89.6 | 97.2 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 300 | 23.8 | 56.9 | 80.3 | 83.5 | 89.4 | 89.6 | 97.2 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 200 | 23.8 | 56.9 | 80.3 | 83.5 | 89.4 | 89.6 | 97.2 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 100 | 23.8 | 56.9 | 80.3 | 83.5 | 89.4 | 89.6 | 97.2 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 0 | 23.8 | 56.9 | 80.3 | 83.5 | 89.4 | 89.6 | 97.2 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |

TOTAL NUMBER OF OBSERVATIONS: 452

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: MAR 40095(151): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/15 | GE 1/4 | GE 0 |
| NO CEIL | 15.9 | 26.2 | 36.3 | 38.2 | 40.3 | 40.2 | 48.5 | 49.8 | 50.5 | 51.0 | 51.0 | 51.2 | 51.2 | 51.2 | 51.2 | 51.5 |
| GE 20000 | 22.5 | 36.3 | 49.3 | 51.5 | 53.9 | 54.2 | 63.0 | 54.2 | 65.2 | 66.4 | 66.4 | 65.7 | 65.7 | 65.9 | 65.9 | 67.2 |
| GE 18000 | 22.5 | 36.3 | 49.3 | 51.5 | 53.9 | 54.2 | 63.0 | 54.2 | 65.2 | 66.4 | 66.4 | 65.7 | 65.7 | 65.9 | 65.9 | 67.2 |
| GE 16000 | 22.5 | 36.3 | 49.3 | 51.5 | 53.9 | 54.2 | 63.0 | 54.2 | 65.2 | 66.4 | 66.4 | 65.7 | 65.7 | 65.9 | 65.9 | 67.2 |
| GE 14000 | 23.0 | 37.3 | 50.7 | 52.5 | 54.9 | 55.1 | 64.2 | 55.4 | 66.4 | 67.6 | 67.6 | 67.9 | 68.1 | 68.1 | 68.1 | 69.4 |
| GE 12000 | 27.0 | 44.1 | 60.3 | 62.3 | 65.0 | 65.9 | 76.0 | 77.5 | 78.7 | 79.9 | 79.9 | 80.1 | 80.4 | 80.5 | 80.5 | 81.9 |
| GE 10000 | 27.0 | 44.1 | 60.3 | 62.3 | 65.0 | 65.9 | 76.0 | 77.5 | 78.7 | 79.9 | 79.9 | 80.1 | 80.4 | 80.5 | 80.5 | 81.9 |
| GE 9000 | 27.0 | 44.1 | 60.3 | 62.3 | 65.0 | 65.9 | 76.0 | 77.5 | 78.7 | 79.9 | 79.9 | 80.1 | 80.4 | 80.5 | 80.5 | 81.9 |
| GE 8000 | 27.0 | 44.1 | 60.3 | 62.3 | 65.0 | 65.9 | 76.0 | 77.5 | 78.7 | 79.9 | 79.9 | 80.1 | 80.4 | 80.5 | 80.5 | 81.9 |
| GE 7000 | 27.0 | 44.1 | 60.3 | 62.3 | 65.0 | 65.9 | 76.0 | 77.5 | 78.7 | 79.9 | 79.9 | 80.1 | 80.4 | 80.5 | 80.5 | 81.9 |
| GE 6000 | 27.0 | 44.1 | 60.3 | 62.3 | 65.0 | 65.9 | 76.0 | 77.5 | 78.7 | 79.9 | 79.9 | 80.1 | 80.4 | 80.5 | 80.5 | 81.9 |
| GE 5000 | 42.9 | 60.0 | 76.3 | 78.2 | 80.9 | 81.9 | 91.9 | 93.4 | 94.6 | 95.8 | 95.8 | 95.1 | 95.3 | 95.5 | 95.5 | 96.8 |
| GE 4500 | 42.9 | 60.0 | 76.3 | 78.2 | 80.9 | 81.9 | 91.9 | 93.4 | 94.6 | 95.8 | 95.8 | 95.1 | 95.3 | 95.5 | 95.5 | 96.8 |
| GE 4000 | 42.9 | 60.0 | 76.3 | 78.2 | 80.9 | 81.9 | 91.9 | 93.4 | 94.6 | 95.8 | 95.8 | 95.1 | 95.3 | 95.5 | 95.5 | 96.8 |
| GE 3500 | 42.9 | 60.0 | 76.3 | 78.2 | 80.9 | 81.9 | 91.9 | 93.4 | 94.6 | 95.8 | 95.8 | 95.1 | 95.3 | 95.5 | 95.5 | 96.8 |
| GE 3000 | 42.9 | 60.0 | 76.3 | 78.2 | 80.9 | 81.9 | 91.9 | 93.4 | 94.6 | 95.8 | 95.8 | 95.1 | 95.3 | 95.5 | 95.5 | 96.8 |
| GE 2500 | 42.9 | 60.0 | 76.3 | 78.2 | 80.9 | 81.9 | 91.9 | 93.4 | 94.6 | 95.8 | 95.8 | 95.1 | 95.3 | 95.5 | 95.5 | 96.8 |
| GE 2000 | 42.9 | 60.0 | 76.3 | 78.2 | 80.9 | 81.9 | 91.9 | 93.4 | 94.6 | 95.8 | 95.8 | 95.1 | 95.3 | 95.5 | 95.5 | 96.8 |
| GE 1800 | 42.9 | 60.0 | 76.3 | 78.2 | 80.9 | 81.9 | 91.9 | 93.4 | 94.6 | 95.8 | 95.8 | 95.1 | 95.3 | 95.5 | 95.5 | 96.8 |
| GE 1500 | 42.9 | 60.0 | 76.3 | 78.2 | 80.9 | 81.9 | 91.9 | 93.4 | 94.6 | 95.8 | 95.8 | 95.1 | 95.3 | 95.5 | 95.5 | 96.8 |
| GE 1200 | 43.1 | 60.3 | 76.2 | 78.4 | 81.1 | 82.1 | 92.2 | 93.6 | 94.9 | 96.1 | 96.1 | 95.3 | 95.5 | 95.8 | 97.1 | |
| GE 1000 | 43.6 | 60.8 | 78.2 | 80.4 | 83.1 | 84.1 | 94.1 | 95.6 | 96.8 | 98.0 | 98.0 | 98.3 | 98.5 | 98.8 | 99.0 | |
| GE 900 | 43.6 | 60.8 | 78.2 | 80.4 | 83.1 | 84.1 | 94.1 | 95.6 | 96.8 | 98.0 | 98.0 | 98.3 | 98.5 | 98.8 | 99.0 | |
| GE 800 | 44.1 | 61.5 | 79.2 | 81.4 | 84.1 | 85.0 | 95.1 | 96.6 | 97.8 | 99.0 | 99.0 | 99.3 | 99.5 | 99.8 | 100.0 | |
| GE 700 | 44.1 | 61.5 | 79.2 | 81.4 | 84.1 | 85.0 | 95.1 | 96.6 | 97.8 | 99.0 | 99.0 | 99.3 | 99.5 | 99.8 | 100.0 | |
| GE 600 | 44.1 | 61.5 | 79.2 | 81.4 | 84.1 | 85.0 | 95.1 | 96.6 | 97.8 | 99.0 | 99.0 | 99.3 | 99.5 | 99.8 | 100.0 | |
| GE 500 | 44.1 | 61.5 | 79.2 | 81.4 | 84.1 | 85.0 | 95.1 | 96.6 | 97.8 | 99.0 | 99.0 | 99.3 | 99.5 | 99.8 | 100.0 | |
| GE 400 | 44.1 | 61.5 | 79.2 | 81.4 | 84.1 | 85.0 | 95.1 | 96.6 | 97.8 | 99.0 | 99.0 | 99.3 | 99.5 | 99.8 | 100.0 | |
| GE 300 | 44.1 | 61.5 | 79.2 | 81.4 | 84.1 | 85.0 | 95.1 | 96.6 | 97.8 | 99.0 | 99.0 | 99.3 | 99.5 | 99.8 | 100.0 | |
| GE 200 | 44.1 | 61.5 | 79.2 | 81.4 | 84.1 | 85.0 | 95.1 | 96.6 | 97.8 | 99.0 | 99.0 | 99.3 | 99.5 | 99.8 | 100.0 | |
| GE 100 | 44.1 | 61.5 | 79.2 | 81.4 | 84.1 | 85.0 | 95.1 | 96.6 | 97.8 | 99.0 | 99.0 | 99.3 | 99.5 | 99.8 | 100.0 | |
| GE 0 | 44.1 | 61.5 | 79.2 | 81.4 | 84.1 | 85.0 | 95.1 | 96.6 | 97.8 | 99.0 | 99.0 | 99.3 | 99.5 | 99.8 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 438

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILINGS VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: MAR COURSE/SLIST: 1200-1400

| CEILING IN FEET | 1 | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|----|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|-------|
| | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 | |
| NO CEIL | 1 | .2 | 23.8 | 34.4 | 44.5 | 46.0 | 48.5 | 49.1 | 56.2 | 58.6 | 58.6 | 58.8 | 59.3 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 20000 | .2 | 28.9 | 41.6 | 55.2 | 58.1 | 51.2 | 51.9 | 68.9 | 71.6 | 71.8 | 72.5 | 73.1 | 73.8 | 73.9 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 18000 | .2 | 28.9 | 41.6 | 55.2 | 58.1 | 51.2 | 51.9 | 68.9 | 71.6 | 71.8 | 72.5 | 73.1 | 73.8 | 73.9 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 16000 | .2 | 28.9 | 41.6 | 55.2 | 58.4 | 51.5 | 62.1 | 69.2 | 71.8 | 72.0 | 72.7 | 73.3 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 14000 | .2 | 29.5 | 42.7 | 57.3 | 59.5 | 62.6 | 63.2 | 73.3 | 72.9 | 73.1 | 73.8 | 74.4 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 12000 | .2 | 32.8 | 48.7 | 56.1 | 69.5 | 72.2 | 73.6 | 80.8 | 83.5 | 83.7 | 84.4 | 85.0 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 10000 | .2 | 32.8 | 48.7 | 56.1 | 69.5 | 72.2 | 73.6 | 80.8 | 83.5 | 83.7 | 84.4 | 85.0 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 9000 | .2 | 32.8 | 48.7 | 56.1 | 69.5 | 72.2 | 73.6 | 80.8 | 83.5 | 83.7 | 84.4 | 85.0 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 8000 | .2 | 32.8 | 48.7 | 56.1 | 69.5 | 72.2 | 73.6 | 80.8 | 83.5 | 83.7 | 84.4 | 85.0 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 7000 | .2 | 32.8 | 48.7 | 56.1 | 69.5 | 72.2 | 73.6 | 80.8 | 83.5 | 83.7 | 84.4 | 85.0 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 6000 | .2 | 32.8 | 48.7 | 56.1 | 69.5 | 72.2 | 73.6 | 80.8 | 83.5 | 83.7 | 84.4 | 85.0 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 5000 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 4500 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 4000 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 3500 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 3000 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 2500 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 2000 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1800 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1600 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1400 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1200 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1000 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 900 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 800 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 700 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 600 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 500 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 400 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 300 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 200 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 100 | .2 | 46.0 | 61.9 | 79.3 | 81.7 | 85.5 | 86.8 | 94.1 | 96.7 | 96.9 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE | .2 | 46.7 | 62.8 | 80.4 | 82.8 | 85.6 | 87.9 | 95.2 | 97.8 | 98.0 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 454

GLOBAL CLIMATOLOGY BRANCH
USAF/ITAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: MAR HOURS(LOCAL): 1500-1700

| CEILING IN FEET | 1 | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|----|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 1 | | 22.8 | 32.6 | 43.5 | 44.1 | 49.0 | 48.2 | 55.6 | 56.8 | 57.1 | 57.1 | 57.3 | 58.5 | 59.5 | 59.5 | 59.0 |
| GE 20000 | .2 | 28.8 | 40.0 | 53.2 | 54.0 | 59.3 | 58.5 | 66.2 | 57.4 | 57.9 | 58.3 | 58.5 | 73.7 | 73.7 | 73.7 | 71.2 | |
| GE 18000 | .2 | 28.8 | 40.0 | 53.2 | 54.0 | 59.3 | 58.5 | 66.2 | 57.4 | 57.9 | 58.3 | 58.5 | 73.7 | 73.7 | 73.7 | 71.2 | |
| GE 16000 | .2 | 28.8 | 40.0 | 53.2 | 54.0 | 59.3 | 58.5 | 66.2 | 57.4 | 57.9 | 58.3 | 58.5 | 73.7 | 73.7 | 73.7 | 71.2 | |
| GE 14000 | .2 | 29.3 | 41.7 | 55.4 | 55.1 | 60.4 | 50.7 | 68.3 | 69.5 | 73.0 | 70.5 | 70.7 | 72.9 | 72.9 | 72.9 | 73.4 | |
| GE 12000 | .2 | 32.4 | 46.5 | 61.5 | 62.4 | 67.6 | 58.1 | 75.8 | 77.0 | 77.5 | 77.9 | 78.2 | 83.3 | 83.3 | 83.3 | 83.3 | |
| GE 10000 | .2 | 32.4 | 46.5 | 61.5 | 62.4 | 67.6 | 58.1 | 75.8 | 77.0 | 77.5 | 77.9 | 78.2 | 83.3 | 83.3 | 83.3 | 83.3 | |
| GE 9000 | .2 | 32.4 | 46.5 | 61.5 | 62.4 | 67.6 | 58.1 | 75.8 | 77.0 | 77.5 | 77.9 | 78.2 | 83.3 | 83.3 | 83.3 | 83.3 | |
| GE 8000 | .2 | 32.4 | 46.5 | 61.5 | 62.4 | 67.6 | 58.1 | 75.8 | 77.0 | 77.5 | 77.9 | 78.2 | 83.3 | 83.3 | 83.3 | 83.3 | |
| GE 7000 | .2 | 32.4 | 46.5 | 61.5 | 62.4 | 67.6 | 58.1 | 75.8 | 77.0 | 77.5 | 77.9 | 78.2 | 83.3 | 83.3 | 83.3 | 83.3 | |
| GE 6000 | .2 | 32.4 | 46.5 | 61.5 | 62.4 | 67.6 | 58.1 | 75.8 | 77.0 | 77.5 | 77.9 | 78.2 | 83.3 | 83.3 | 83.3 | 83.3 | |
| GE 5000 | .2 | 50.6 | 64.7 | 79.7 | 83.6 | 85.9 | 85.3 | 94.0 | 95.2 | 95.7 | 96.2 | 96.4 | 98.6 | 98.6 | 98.6 | 99.0 | |
| GE 4500 | .2 | 50.6 | 64.7 | 79.7 | 83.6 | 85.9 | 86.3 | 94.0 | 95.2 | 95.7 | 96.2 | 96.4 | 98.6 | 98.6 | 98.6 | 99.0 | |
| GE 4000 | .2 | 50.6 | 64.7 | 79.7 | 83.6 | 85.9 | 86.3 | 94.0 | 95.2 | 95.7 | 96.2 | 96.4 | 98.6 | 98.6 | 98.6 | 99.0 | |
| GE 3500 | .2 | 50.6 | 64.7 | 79.7 | 83.6 | 85.9 | 86.3 | 94.0 | 95.2 | 95.7 | 96.2 | 96.4 | 98.6 | 98.6 | 98.6 | 99.0 | |
| GE 3000 | .2 | 50.6 | 64.7 | 79.7 | 83.6 | 85.9 | 86.3 | 94.0 | 95.2 | 95.7 | 96.2 | 96.4 | 98.6 | 98.6 | 98.6 | 99.0 | |
| GE 2500 | .2 | 50.6 | 64.7 | 79.7 | 83.6 | 85.9 | 86.3 | 94.0 | 95.2 | 95.7 | 96.2 | 96.4 | 98.6 | 98.6 | 98.6 | 99.0 | |
| GE 2000 | .2 | 50.6 | 64.7 | 79.7 | 83.6 | 85.9 | 86.3 | 94.0 | 95.2 | 95.7 | 96.2 | 96.4 | 98.6 | 98.6 | 98.6 | 99.0 | |
| GE 1800 | .2 | 50.6 | 64.7 | 79.7 | 83.6 | 85.9 | 86.3 | 94.0 | 95.2 | 95.7 | 96.2 | 96.4 | 98.6 | 98.6 | 98.6 | 99.0 | |
| GE 1500 | .2 | 50.6 | 64.7 | 79.7 | 83.6 | 85.9 | 86.3 | 94.0 | 95.2 | 95.7 | 96.2 | 96.4 | 98.6 | 98.6 | 98.6 | 99.0 | |
| GE 1200 | .2 | 50.6 | 64.7 | 79.7 | 83.6 | 85.9 | 86.3 | 94.0 | 95.2 | 95.7 | 96.2 | 96.4 | 98.6 | 98.6 | 98.6 | 99.0 | |
| GE 1000 | .2 | 51.6 | 65.7 | 80.3 | 81.5 | 86.8 | 87.3 | 95.0 | 96.2 | 96.6 | 97.1 | 97.4 | 99.5 | 99.5 | 99.5 | 100.0 | |
| GE 900 | .2 | 51.6 | 65.7 | 80.3 | 81.5 | 86.8 | 87.3 | 95.0 | 96.2 | 96.6 | 97.1 | 97.4 | 99.5 | 99.5 | 99.5 | 100.0 | |
| GE 800 | .2 | 51.6 | 65.7 | 80.3 | 81.5 | 86.8 | 87.3 | 95.0 | 96.2 | 96.6 | 97.1 | 97.4 | 99.5 | 99.5 | 99.5 | 100.0 | |
| GE 700 | .2 | 51.6 | 65.7 | 80.3 | 81.5 | 86.8 | 87.3 | 95.0 | 96.2 | 96.6 | 97.1 | 97.4 | 99.5 | 99.5 | 99.5 | 100.0 | |
| GE 600 | .2 | 51.6 | 65.7 | 80.3 | 81.5 | 86.8 | 87.3 | 95.0 | 96.2 | 96.6 | 97.1 | 97.4 | 99.5 | 99.5 | 99.5 | 100.0 | |
| GE 500 | .2 | 51.6 | 65.7 | 80.3 | 81.5 | 86.8 | 87.3 | 95.0 | 96.2 | 96.6 | 97.1 | 97.4 | 99.5 | 99.5 | 99.5 | 100.0 | |
| GE 400 | .2 | 51.6 | 65.7 | 80.3 | 81.5 | 86.8 | 87.3 | 95.0 | 96.2 | 96.6 | 97.1 | 97.4 | 99.5 | 99.5 | 99.5 | 100.0 | |
| GE 300 | .2 | 51.6 | 65.7 | 80.3 | 81.5 | 86.8 | 87.3 | 95.0 | 96.2 | 96.6 | 97.1 | 97.4 | 99.5 | 99.5 | 99.5 | 100.0 | |
| GE 200 | .2 | 51.6 | 65.7 | 80.3 | 81.5 | 86.8 | 87.3 | 95.0 | 96.2 | 96.6 | 97.1 | 97.4 | 99.5 | 99.5 | 99.5 | 100.0 | |
| GE 100 | .2 | 51.6 | 65.7 | 80.3 | 81.5 | 86.8 | 87.3 | 95.0 | 96.2 | 96.6 | 97.1 | 97.4 | 99.5 | 99.5 | 99.5 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 417

GLOBAL CLIMATOLOGY BRANCH
USAF/DTIC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILINGS VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-95
MONTH: MAR HOURS(EST): 1900-2300

| CEILINGS IN FEET | I | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------------------|----|-----------------------------|------|------|------|------|-------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE |
| NO CEIL | I | | 22.2 | 33.2 | 45.5 | 46.8 | 49.8 | 49.8 | 54.7 | 56.3 | 56.7 | 56.9 | 57.1 | 59.2 | 59.2 | 59.4 | 59.5 |
| GE 20000 | .2 | 28.0 | 42.0 | 57.5 | 59.5 | 53.1 | 63.4 | 69.2 | 70.9 | 71.6 | 71.9 | 72.0 | 73.7 | 73.7 | 74.1 | 74.1 | 74.5 |
| GE 18000 | .2 | 28.0 | 42.0 | 57.5 | 59.5 | 53.1 | 63.4 | 69.2 | 70.9 | 71.6 | 71.9 | 72.0 | 73.7 | 73.7 | 74.1 | 74.1 | 74.5 |
| GE 16000 | .2 | 28.0 | 42.0 | 57.5 | 59.5 | 53.1 | 63.4 | 69.2 | 70.9 | 71.6 | 71.9 | 72.0 | 73.7 | 73.7 | 74.1 | 74.1 | 74.5 |
| GE 14000 | .2 | 28.0 | 42.0 | 57.5 | 59.5 | 53.1 | 63.4 | 69.2 | 70.9 | 71.6 | 71.9 | 72.0 | 73.7 | 73.7 | 74.1 | 74.1 | 74.5 |
| GE 12000 | .2 | 31.3 | 48.3 | 57.7 | 70.3 | 74.8 | 75.0 | 80.8 | 82.5 | 83.4 | 83.6 | 83.8 | 85.3 | 85.3 | 85.2 | 85.2 | 85.5 |
| GE 10000 | .2 | 31.3 | 48.3 | 57.7 | 70.3 | 74.8 | 75.0 | 80.8 | 82.5 | 83.4 | 83.6 | 83.8 | 85.3 | 85.3 | 85.2 | 85.2 | 85.5 |
| GE 9000 | .2 | 31.3 | 48.3 | 57.7 | 70.3 | 74.8 | 75.0 | 80.8 | 82.5 | 83.4 | 83.6 | 83.8 | 85.3 | 85.3 | 85.2 | 85.2 | 85.5 |
| GE 8000 | .2 | 31.3 | 48.3 | 57.7 | 70.3 | 74.8 | 75.0 | 80.8 | 82.5 | 83.4 | 83.6 | 83.8 | 85.3 | 85.3 | 85.2 | 85.2 | 85.5 |
| GE 7000 | .2 | 31.3 | 48.3 | 57.7 | 70.3 | 74.8 | 75.0 | 80.8 | 82.5 | 83.4 | 83.6 | 83.8 | 85.3 | 85.3 | 85.2 | 85.2 | 85.5 |
| GE 6000 | .2 | 31.3 | 48.3 | 57.7 | 70.3 | 74.8 | 75.0 | 80.8 | 82.5 | 83.4 | 83.6 | 83.8 | 85.3 | 85.3 | 85.2 | 85.2 | 85.5 |
| GE 5000 | .2 | 43.8 | 60.8 | 80.4 | 82.5 | 87.3 | 87.5 | 93.3 | 95.0 | 95.9 | 96.1 | 96.3 | 98.3 | 98.3 | 98.7 | 98.7 | 99.1 |
| GE 4500 | .2 | 43.8 | 60.8 | 80.4 | 82.5 | 87.3 | 87.5 | 93.3 | 95.0 | 95.9 | 96.1 | 96.3 | 98.3 | 98.3 | 98.7 | 98.7 | 99.1 |
| GE 4000 | .2 | 43.8 | 60.8 | 80.4 | 82.5 | 87.3 | 87.5 | 93.3 | 95.0 | 95.9 | 96.1 | 96.3 | 98.3 | 98.3 | 98.7 | 98.7 | 99.1 |
| GE 3500 | .2 | 43.8 | 60.8 | 80.4 | 82.5 | 87.3 | 87.5 | 93.3 | 95.0 | 95.9 | 96.1 | 96.3 | 98.3 | 98.3 | 98.7 | 98.7 | 99.1 |
| GE 3000 | .2 | 43.8 | 60.8 | 80.4 | 82.5 | 87.3 | 87.5 | 93.3 | 95.0 | 95.9 | 96.1 | 96.3 | 98.3 | 98.3 | 98.7 | 98.7 | 99.1 |
| GE 2500 | .2 | 43.8 | 60.8 | 80.4 | 82.5 | 87.3 | 87.5 | 93.3 | 95.0 | 95.9 | 96.1 | 96.3 | 98.3 | 98.3 | 98.7 | 98.7 | 99.1 |
| GE 2000 | .2 | 43.8 | 60.8 | 80.4 | 82.5 | 87.3 | 87.5 | 93.3 | 95.0 | 95.9 | 96.1 | 96.3 | 98.3 | 98.3 | 98.7 | 98.7 | 99.1 |
| GE 1800 | .2 | 43.8 | 60.8 | 80.4 | 82.5 | 87.3 | 87.5 | 93.3 | 95.0 | 95.9 | 96.1 | 96.3 | 98.3 | 98.3 | 98.7 | 98.7 | 99.1 |
| GE 1500 | .2 | 44.4 | 61.6 | 81.5 | 83.4 | 88.1 | 88.4 | 94.2 | 95.9 | 95.8 | 97.0 | 97.2 | 99.1 | 99.4 | 99.5 | 100.0 | 100.0 |
| GE 1200 | .2 | 44.4 | 61.6 | 81.5 | 83.4 | 88.1 | 88.4 | 94.2 | 95.9 | 95.8 | 97.0 | 97.2 | 99.1 | 99.4 | 99.5 | 100.0 | 100.0 |
| GE 1000 | .2 | 44.4 | 61.6 | 81.5 | 83.4 | 88.1 | 88.4 | 94.2 | 95.9 | 95.8 | 97.0 | 97.2 | 99.1 | 99.4 | 99.5 | 100.0 | 100.0 |
| GE 900 | .2 | 44.4 | 61.6 | 81.5 | 83.4 | 88.1 | 88.4 | 94.2 | 95.9 | 95.8 | 97.0 | 97.2 | 99.1 | 99.4 | 99.5 | 100.0 | 100.0 |
| GE 800 | .2 | 44.4 | 61.6 | 81.5 | 83.4 | 88.1 | 88.4 | 94.2 | 95.9 | 95.8 | 97.0 | 97.2 | 99.1 | 99.4 | 99.5 | 100.0 | 100.0 |
| GE 700 | .2 | 44.4 | 61.6 | 81.5 | 83.4 | 88.1 | 88.4 | 94.2 | 95.9 | 95.8 | 97.0 | 97.2 | 99.1 | 99.4 | 99.5 | 100.0 | 100.0 |
| GE 600 | .2 | 44.4 | 61.6 | 81.5 | 83.4 | 88.1 | 88.4 | 94.2 | 95.9 | 95.8 | 97.0 | 97.2 | 99.1 | 99.4 | 99.5 | 100.0 | 100.0 |
| GE 500 | .2 | 44.4 | 61.6 | 81.5 | 83.4 | 88.1 | 88.4 | 94.2 | 95.9 | 95.8 | 97.0 | 97.2 | 99.1 | 99.4 | 99.5 | 100.0 | 100.0 |
| GE 400 | .2 | 44.4 | 61.6 | 81.5 | 83.4 | 88.1 | 88.4 | 94.2 | 95.9 | 95.8 | 97.0 | 97.2 | 99.1 | 99.4 | 99.5 | 100.0 | 100.0 |
| GE 300 | .2 | 44.4 | 61.6 | 81.5 | 83.4 | 88.1 | 88.4 | 94.2 | 95.9 | 95.8 | 97.0 | 97.2 | 99.1 | 99.4 | 99.5 | 100.0 | 100.0 |
| GE 200 | .2 | 44.4 | 61.6 | 81.5 | 83.4 | 88.1 | 88.4 | 94.2 | 95.9 | 95.8 | 97.0 | 97.2 | 99.1 | 99.4 | 99.5 | 100.0 | 100.0 |
| GE 100 | .2 | 44.4 | 61.6 | 81.5 | 83.4 | 88.1 | 88.4 | 94.2 | 95.9 | 95.8 | 97.0 | 97.2 | 99.1 | 99.4 | 99.5 | 100.0 | 100.0 |
| GE | 01 | .2 | 44.4 | 61.6 | 81.5 | 83.4 | 88.1 | 88.4 | 94.2 | 95.9 | 95.8 | 97.0 | 97.2 | 99.1 | 99.4 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 434

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR & ATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616417 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAR HOURLS(LIST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|------|--|
| | 10 | 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 | |
| NO CEILING | 11.6 | 30.8 | 46.2 | 47.2 | 52.3 | 53.3 | 55.6 | 57.3 | 57.6 | 57.6 | 57.6 | 59.1 | 59.1 | 59.3 | 59.5 | |
| GE 20000 | 14.4 | 35.6 | 54.3 | 55.6 | 61.1 | 62.4 | 64.6 | 55.9 | 57.7 | 57.7 | 57.7 | 59.2 | 59.4 | 63.7 | 53.9 | |
| GE 19000 | 14.4 | 35.6 | 54.3 | 55.6 | 61.1 | 62.4 | 64.6 | 55.9 | 57.7 | 57.7 | 57.7 | 59.2 | 59.4 | 63.7 | 53.9 | |
| GE 18000 | 14.4 | 35.6 | 54.3 | 55.6 | 61.1 | 62.4 | 64.6 | 55.9 | 57.7 | 57.7 | 57.7 | 59.2 | 59.4 | 63.7 | 53.9 | |
| GE 14000 | 14.4 | 36.4 | 55.1 | 56.6 | 62.1 | 63.4 | 65.7 | 67.9 | 68.7 | 68.7 | 68.7 | 69.2 | 69.4 | 69.7 | 69.9 | |
| GE 12000 | 17.2 | 41.2 | 52.3 | 64.6 | 71.2 | 72.5 | 75.0 | 77.5 | 79.0 | 79.0 | 79.0 | 79.5 | 79.3 | 80.1 | 80.3 | |
| GE 10000 | 17.2 | 41.2 | 52.3 | 64.6 | 71.2 | 72.5 | 75.0 | 77.5 | 79.0 | 79.0 | 79.0 | 79.5 | 79.3 | 80.1 | 80.3 | |
| GE 9000 | 17.2 | 41.2 | 52.3 | 64.6 | 71.2 | 72.5 | 75.0 | 77.5 | 79.0 | 79.0 | 79.0 | 79.5 | 79.3 | 80.1 | 80.3 | |
| GE 8000 | 17.2 | 41.2 | 52.3 | 64.6 | 71.2 | 72.5 | 75.0 | 77.5 | 79.0 | 79.0 | 79.0 | 79.5 | 79.3 | 80.1 | 80.3 | |
| GE 6000 | 17.2 | 41.2 | 52.3 | 64.6 | 71.2 | 72.5 | 75.0 | 77.5 | 79.0 | 79.0 | 79.0 | 79.5 | 79.3 | 80.1 | 80.3 | |
| GE 5000 | 36.1 | 60.1 | 81.3 | 83.6 | 90.2 | 91.4 | 93.9 | 95.5 | 98.0 | 98.0 | 98.0 | 98.5 | 98.7 | 99.0 | 99.2 | |
| GE 4500 | 36.1 | 60.1 | 81.3 | 83.6 | 90.2 | 91.4 | 93.9 | 95.5 | 98.0 | 98.0 | 98.0 | 98.5 | 98.7 | 99.0 | 99.2 | |
| GE 4000 | 36.1 | 60.1 | 81.3 | 83.6 | 90.2 | 91.4 | 93.9 | 95.5 | 98.0 | 98.0 | 98.0 | 98.5 | 98.7 | 99.0 | 99.2 | |
| GE 3500 | 36.1 | 60.1 | 81.3 | 83.6 | 90.2 | 91.4 | 93.9 | 95.5 | 98.0 | 98.0 | 98.0 | 98.5 | 98.7 | 99.0 | 99.2 | |
| GE 3000 | 36.1 | 60.1 | 81.3 | 83.6 | 90.2 | 91.4 | 93.9 | 95.5 | 98.0 | 98.0 | 98.0 | 98.5 | 98.7 | 99.0 | 99.2 | |
| GE 2500 | 36.1 | 60.1 | 81.3 | 83.6 | 90.2 | 91.4 | 93.9 | 95.5 | 98.0 | 98.0 | 98.0 | 98.5 | 98.7 | 99.0 | 99.2 | |
| GE 2000 | 36.1 | 60.1 | 81.3 | 83.6 | 90.2 | 91.4 | 93.9 | 95.5 | 98.0 | 98.0 | 98.0 | 98.5 | 98.7 | 99.0 | 99.2 | |
| GE 1800 | 36.1 | 60.1 | 81.3 | 83.6 | 90.2 | 91.4 | 93.9 | 95.5 | 98.0 | 98.0 | 98.0 | 98.5 | 98.7 | 99.0 | 99.2 | |
| GE 1500 | 36.1 | 60.1 | 81.3 | 83.6 | 90.2 | 91.4 | 93.9 | 95.5 | 98.0 | 98.0 | 98.0 | 98.5 | 98.7 | 99.0 | 99.2 | |
| GE 1200 | 36.4 | 60.4 | 81.3 | 83.6 | 90.2 | 91.4 | 93.9 | 95.5 | 98.0 | 98.0 | 98.0 | 98.5 | 98.7 | 99.0 | 99.2 | |
| GE 1000 | 36.6 | 60.6 | 82.1 | 84.1 | 90.7 | 91.9 | 94.4 | 97.0 | 98.5 | 98.5 | 98.5 | 99.0 | 99.2 | 99.5 | 99.7 | |
| GE 900 | 36.6 | 60.6 | 82.1 | 84.1 | 90.7 | 91.9 | 94.4 | 97.0 | 98.5 | 98.5 | 98.5 | 99.0 | 99.2 | 99.5 | 99.7 | |
| GE 800 | 36.6 | 60.6 | 82.1 | 84.1 | 90.7 | 91.9 | 94.4 | 97.0 | 98.5 | 98.5 | 98.5 | 99.0 | 99.2 | 99.5 | 99.7 | |
| GE 700 | 36.6 | 60.6 | 82.1 | 84.1 | 90.7 | 91.9 | 94.4 | 97.0 | 98.5 | 98.5 | 98.5 | 99.0 | 99.2 | 99.5 | 99.7 | |
| GE 600 | 36.6 | 60.6 | 82.1 | 84.1 | 90.7 | 91.9 | 94.4 | 97.0 | 98.5 | 98.5 | 98.5 | 99.0 | 99.2 | 99.5 | 99.7 | |
| GE 500 | 36.6 | 60.6 | 82.1 | 84.1 | 90.7 | 91.9 | 94.4 | 97.0 | 98.5 | 98.5 | 98.5 | 99.0 | 99.2 | 99.5 | 99.7 | |
| GE 400 | 36.6 | 60.6 | 82.1 | 84.1 | 90.7 | 91.9 | 94.4 | 97.0 | 98.5 | 98.5 | 98.5 | 99.0 | 99.2 | 99.5 | 99.7 | |
| GE 300 | 36.6 | 60.6 | 82.1 | 84.1 | 90.7 | 91.9 | 94.4 | 97.0 | 98.5 | 98.5 | 98.5 | 99.0 | 99.2 | 99.5 | 99.7 | |
| GE 200 | 36.6 | 60.6 | 82.1 | 84.1 | 90.7 | 91.9 | 94.4 | 97.0 | 98.5 | 98.5 | 98.5 | 99.0 | 99.2 | 99.5 | 99.7 | |
| GE 100 | 36.6 | 60.6 | 82.1 | 84.1 | 90.7 | 91.9 | 94.4 | 97.0 | 98.5 | 98.5 | 98.5 | 99.0 | 99.2 | 99.5 | 99.7 | |
| GE 0 | 36.6 | 60.6 | 82.1 | 84.1 | 90.7 | 91.9 | 94.4 | 97.0 | 98.5 | 98.5 | 98.5 | 99.0 | 99.2 | 99.5 | 99.7 | |

TOTAL NUMBER OF OBSERVATIONS: 376

GLOBAL CLIMATOLOGY BRANCH
 JSAFFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILINGS VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAR HOURS(DST): ALL

| CEILING IN FEET | 1 | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|---|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|
| | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | 1 | 0.0 | 15.6 | 32.7 | 45.7 | 47.1 | 51.0 | 51.4 | 57.1 | 59.5 | 59.9 | 59.0 | 59.2 | 59.7 | 59.7 | 59.8 | 59.2 |
| GE 20000 | 1 | 19.3 | 38.8 | 55.5 | 57.4 | 62.0 | 62.5 | 68.5 | 73.1 | 73.6 | 73.9 | 71.2 | 71.2 | 72.2 | 72.2 | 72.5 | 72.5 |
| GE 18000 | 1 | 19.3 | 38.8 | 55.5 | 57.4 | 62.0 | 62.5 | 68.5 | 73.1 | 73.6 | 73.9 | 71.2 | 71.2 | 72.2 | 72.2 | 72.5 | 72.5 |
| GE 16000 | 1 | 19.3 | 38.8 | 55.5 | 57.4 | 62.0 | 62.5 | 68.5 | 73.1 | 73.6 | 73.9 | 71.2 | 71.2 | 72.2 | 72.2 | 72.5 | 72.5 |
| GE 14000 | 1 | 19.3 | 38.8 | 55.5 | 57.4 | 62.0 | 62.5 | 68.5 | 73.1 | 73.6 | 73.9 | 71.2 | 71.2 | 72.2 | 72.2 | 72.5 | 72.5 |
| GE 12000 | 1 | 22.3 | 45.3 | 64.2 | 67.2 | 72.4 | 73.1 | 79.6 | 81.3 | 82.0 | 82.3 | 82.5 | 83.3 | 83.5 | 83.7 | 84.1 | 84.1 |
| GE 10000 | 1 | 22.3 | 45.3 | 64.2 | 67.2 | 72.4 | 73.1 | 79.7 | 81.4 | 82.0 | 82.3 | 82.6 | 83.4 | 83.5 | 83.7 | 84.1 | 84.1 |
| GE 9000 | 1 | 22.3 | 45.3 | 64.2 | 67.2 | 72.4 | 73.1 | 79.7 | 81.4 | 82.0 | 82.3 | 82.6 | 83.4 | 83.5 | 83.7 | 84.1 | 84.1 |
| GE 8000 | 1 | 22.3 | 45.3 | 64.2 | 67.2 | 72.4 | 73.1 | 79.7 | 81.4 | 82.0 | 82.3 | 82.6 | 83.4 | 83.5 | 83.7 | 84.1 | 84.1 |
| GE 7000 | 1 | 22.3 | 45.3 | 64.2 | 67.2 | 72.4 | 73.1 | 79.7 | 81.4 | 82.0 | 82.3 | 82.6 | 83.4 | 83.5 | 83.7 | 84.1 | 84.1 |
| GE 6000 | 1 | 22.3 | 45.3 | 64.2 | 67.2 | 72.4 | 73.1 | 79.7 | 81.4 | 82.0 | 82.3 | 82.6 | 83.4 | 83.5 | 83.7 | 84.1 | 84.1 |
| GE 5000 | 1 | 36.3 | 59.3 | 79.3 | 81.3 | 86.4 | 87.2 | 93.7 | 95.4 | 95.0 | 96.4 | 96.5 | 97.4 | 97.7 | 97.8 | 98.2 | 98.2 |
| GE 4500 | 1 | 36.3 | 59.3 | 79.3 | 81.3 | 86.4 | 87.2 | 93.7 | 95.4 | 95.0 | 96.4 | 96.6 | 97.4 | 97.7 | 97.8 | 98.2 | 98.2 |
| GE 4000 | 1 | 36.3 | 59.3 | 79.3 | 81.3 | 86.4 | 87.2 | 93.7 | 95.4 | 95.0 | 96.4 | 96.6 | 97.4 | 97.7 | 97.8 | 98.2 | 98.2 |
| GE 3500 | 1 | 36.3 | 59.3 | 79.3 | 81.3 | 86.4 | 87.2 | 93.7 | 95.4 | 95.0 | 96.4 | 96.6 | 97.4 | 97.7 | 97.8 | 98.2 | 98.2 |
| GE 3000 | 1 | 36.3 | 59.4 | 79.3 | 81.3 | 86.5 | 87.2 | 93.8 | 95.5 | 95.1 | 96.4 | 96.7 | 97.5 | 97.7 | 97.8 | 98.2 | 98.2 |
| GE 2500 | 1 | 36.3 | 59.4 | 79.3 | 81.3 | 86.5 | 87.2 | 93.8 | 95.5 | 95.1 | 96.4 | 96.7 | 97.5 | 97.7 | 97.8 | 98.2 | 98.2 |
| GE 2000 | 1 | 36.3 | 59.4 | 79.3 | 81.3 | 86.5 | 87.2 | 93.8 | 95.5 | 95.1 | 96.4 | 96.7 | 97.5 | 97.7 | 97.8 | 98.2 | 98.2 |
| GE 1800 | 1 | 36.3 | 59.4 | 79.3 | 81.3 | 86.5 | 87.2 | 93.8 | 95.5 | 95.1 | 96.4 | 96.7 | 97.5 | 97.7 | 97.8 | 98.2 | 98.2 |
| GE 1500 | 1 | 36.4 | 59.4 | 79.3 | 81.3 | 86.5 | 87.3 | 93.8 | 95.5 | 95.1 | 96.5 | 96.7 | 97.5 | 97.5 | 97.9 | 98.2 | 98.2 |
| GE 1200 | 1 | 36.5 | 59.6 | 79.3 | 81.5 | 86.8 | 87.5 | 94.0 | 95.7 | 95.4 | 96.7 | 97.0 | 97.7 | 98.0 | 98.1 | 98.5 | 98.5 |
| GE 1000 | 1 | 36.8 | 59.9 | 79.3 | 82.1 | 87.3 | 88.0 | 94.5 | 96.2 | 95.9 | 97.2 | 97.5 | 98.2 | 98.3 | 98.6 | 98.9 | 98.9 |
| GE 900 | 1 | 36.8 | 59.9 | 79.3 | 82.1 | 87.3 | 88.0 | 94.5 | 96.2 | 95.9 | 97.2 | 97.5 | 98.2 | 98.3 | 98.6 | 98.9 | 98.9 |
| GE 800 | 1 | 36.9 | 60.1 | 80.3 | 82.3 | 87.5 | 88.3 | 94.8 | 96.6 | 96.2 | 97.5 | 97.8 | 98.5 | 98.7 | 99.0 | 99.3 | 99.3 |
| GE 700 | 1 | 36.9 | 60.1 | 80.1 | 82.4 | 87.6 | 88.3 | 94.9 | 96.6 | 96.2 | 97.6 | 97.8 | 98.5 | 98.7 | 99.0 | 99.3 | 99.3 |
| GE 600 | 1 | 36.9 | 60.1 | 80.2 | 82.5 | 87.7 | 88.4 | 95.0 | 96.7 | 96.3 | 97.7 | 97.9 | 98.6 | 98.7 | 99.1 | 99.5 | 99.5 |
| GE 500 | 1 | 37.0 | 60.2 | 80.4 | 82.9 | 88.1 | 88.8 | 95.3 | 97.1 | 96.7 | 98.0 | 98.3 | 99.1 | 99.4 | 99.5 | 99.9 | 99.9 |
| GE 400 | 1 | 37.0 | 60.2 | 80.4 | 82.9 | 88.1 | 88.8 | 95.3 | 97.1 | 96.7 | 98.0 | 98.3 | 99.1 | 99.4 | 99.5 | 99.9 | 99.9 |
| GE 300 | 1 | 37.0 | 60.2 | 80.4 | 82.9 | 88.1 | 88.8 | 95.3 | 97.1 | 96.7 | 98.0 | 98.3 | 99.1 | 99.4 | 99.5 | 99.9 | 99.9 |
| GE 200 | 1 | 37.0 | 60.2 | 80.4 | 82.9 | 88.1 | 88.8 | 95.3 | 97.1 | 96.7 | 98.0 | 98.3 | 99.1 | 99.4 | 99.5 | 99.9 | 99.9 |
| GE 100 | 1 | 37.0 | 60.2 | 80.4 | 82.9 | 88.1 | 88.8 | 95.3 | 97.1 | 96.7 | 98.0 | 98.3 | 99.1 | 99.4 | 99.5 | 99.9 | 99.9 |
| GE 0 | 1 | 37.0 | 60.2 | 80.4 | 82.9 | 88.1 | 88.8 | 95.3 | 97.1 | 96.7 | 98.0 | 98.3 | 99.1 | 99.4 | 99.5 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS: 3493

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 81840 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: APR HOURS/DAY: 0000-2400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
| | GE 1 | GE 1 1/2 | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 | GE 11 | GE 12 | GE 13 | GE 14 | GE 15 |
| NO CEIL | 19.2 | 48.2 | 56.3 | 66.9 | 70.8 | 70.9 | 74.2 | 75.3 | 75.3 | 75.3 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 20000 | 16.1 | 52.9 | 71.7 | 72.5 | 75.5 | 75.5 | 77.9 | 81.2 | 81.2 | 81.2 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 18000 | 16.1 | 52.9 | 71.7 | 72.5 | 75.5 | 75.5 | 77.9 | 81.2 | 81.2 | 81.2 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 16000 | 16.1 | 52.9 | 71.7 | 72.5 | 75.5 | 75.5 | 77.9 | 81.2 | 81.2 | 81.2 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 14000 | 16.1 | 53.1 | 71.7 | 72.7 | 75.7 | 75.7 | 80.1 | 81.4 | 81.4 | 81.4 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 12000 | 16.7 | 55.6 | 74.3 | 75.7 | 79.9 | 79.9 | 83.3 | 84.6 | 84.6 | 84.6 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| GE 10000 | 16.7 | 55.6 | 74.3 | 75.9 | 79.9 | 79.9 | 83.3 | 84.6 | 84.6 | 84.6 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| GE 9000 | 16.7 | 55.6 | 74.3 | 75.9 | 79.9 | 79.9 | 83.3 | 84.6 | 84.6 | 84.6 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| GE 8000 | 16.7 | 55.6 | 74.3 | 75.9 | 79.9 | 79.9 | 83.3 | 84.6 | 84.6 | 84.6 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| GE 7000 | 16.7 | 55.6 | 74.3 | 75.9 | 79.9 | 79.9 | 83.3 | 84.6 | 84.6 | 84.6 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| GE 6000 | 16.7 | 55.6 | 74.3 | 75.9 | 79.9 | 79.9 | 83.3 | 84.6 | 84.6 | 84.6 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| GE 5000 | 26.0 | 64.9 | 84.1 | 85.2 | 89.2 | 89.2 | 92.6 | 93.9 | 93.9 | 93.9 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 4500 | 26.0 | 64.9 | 84.1 | 85.2 | 89.2 | 89.2 | 92.6 | 93.9 | 93.9 | 93.9 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 4000 | 26.0 | 64.9 | 84.1 | 85.2 | 89.2 | 89.2 | 92.6 | 93.9 | 93.9 | 93.9 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 3500 | 26.0 | 64.9 | 84.1 | 85.2 | 89.2 | 89.2 | 92.6 | 93.9 | 93.9 | 93.9 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 3000 | 26.0 | 64.9 | 84.1 | 85.2 | 89.2 | 89.2 | 92.6 | 93.9 | 93.9 | 93.9 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 2500 | 26.0 | 64.9 | 84.1 | 85.2 | 89.2 | 89.2 | 92.6 | 93.9 | 93.9 | 93.9 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 2000 | 26.0 | 64.9 | 84.1 | 85.2 | 89.2 | 89.2 | 92.6 | 93.9 | 93.9 | 93.9 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 1800 | 26.0 | 64.9 | 84.1 | 85.2 | 89.2 | 89.2 | 92.6 | 93.9 | 93.9 | 93.9 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 1500 | 26.2 | 65.1 | 84.5 | 85.6 | 89.5 | 89.5 | 93.0 | 94.3 | 94.3 | 94.3 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 1200 | 26.2 | 65.5 | 85.5 | 87.5 | 91.5 | 91.5 | 94.9 | 95.2 | 95.2 | 95.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 1000 | 26.8 | 66.4 | 87.5 | 88.5 | 92.6 | 92.6 | 96.0 | 97.3 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 900 | 26.8 | 66.4 | 87.5 | 88.6 | 92.6 | 92.6 | 96.0 | 97.3 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 800 | 26.8 | 66.6 | 87.7 | 88.8 | 92.8 | 92.8 | 95.2 | 97.5 | 97.5 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 700 | 26.8 | 67.0 | 88.2 | 89.2 | 93.2 | 93.2 | 96.5 | 97.9 | 97.9 | 97.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 600 | 26.8 | 67.2 | 89.1 | 90.1 | 94.1 | 94.1 | 97.5 | 99.7 | 99.7 | 99.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 500 | 26.8 | 67.2 | 89.1 | 90.1 | 94.3 | 94.3 | 97.7 | 99.9 | 99.9 | 99.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 400 | 26.8 | 67.2 | 89.1 | 90.1 | 94.3 | 94.3 | 97.9 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 300 | 26.8 | 67.2 | 89.1 | 90.1 | 94.3 | 94.3 | 97.9 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 200 | 26.8 | 67.2 | 89.1 | 90.1 | 94.3 | 94.3 | 97.9 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 100 | 26.8 | 67.2 | 89.1 | 90.1 | 94.3 | 94.3 | 97.9 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 00 | 26.8 | 67.2 | 89.1 | 90.1 | 94.3 | 94.3 | 97.9 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |

TOTAL NUMBER OF OBSERVATIONS: 473

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: APR HOURS (GMT): 1300-1500

| CEILING IN FEET | I | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|----|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|
| | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | | 12.8 | 45.6 | 53.2 | 64.4 | 65.9 | 57.2 | 70.7 | 70.9 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 20000 | .3 | 14.3 | 47.9 | 57.2 | 68.4 | 71.2 | 71.4 | 74.9 | 75.2 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 18000 | .3 | 14.3 | 47.9 | 57.2 | 68.4 | 71.2 | 71.4 | 74.9 | 75.2 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 16000 | .3 | 14.3 | 47.9 | 57.2 | 68.4 | 71.2 | 71.4 | 74.9 | 75.2 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 14000 | .3 | 14.3 | 47.9 | 57.2 | 68.4 | 71.2 | 71.4 | 74.9 | 75.2 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 12000 | .3 | 15.0 | 50.9 | 70.7 | 71.9 | 74.7 | 74.9 | 78.4 | 78.7 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 10000 | .3 | 15.0 | 50.9 | 70.7 | 71.9 | 74.7 | 74.9 | 78.4 | 78.7 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 9000 | .3 | 15.0 | 50.9 | 70.7 | 71.9 | 74.7 | 74.9 | 78.4 | 78.7 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 8000 | .3 | 15.0 | 50.9 | 70.7 | 71.9 | 74.7 | 74.9 | 78.4 | 78.7 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 7000 | .3 | 15.0 | 50.9 | 70.7 | 71.9 | 74.7 | 74.9 | 78.4 | 78.7 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 6000 | .3 | 15.0 | 50.9 | 70.7 | 71.9 | 74.7 | 74.9 | 78.4 | 78.7 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 5000 | .3 | 25.1 | 60.9 | 80.7 | 82.0 | 84.7 | 85.0 | 88.5 | 88.7 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 4500 | .3 | 25.1 | 60.9 | 80.7 | 82.0 | 84.7 | 85.0 | 88.5 | 88.7 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 4000 | .3 | 25.1 | 60.9 | 80.7 | 82.0 | 84.7 | 85.0 | 88.5 | 88.7 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 3500 | .3 | 25.1 | 60.9 | 80.7 | 82.0 | 84.7 | 85.0 | 88.5 | 88.7 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 3000 | .3 | 25.1 | 60.9 | 80.7 | 82.0 | 84.7 | 85.0 | 88.5 | 88.7 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 2500 | .3 | 25.1 | 60.9 | 80.7 | 82.0 | 84.7 | 85.0 | 88.5 | 88.7 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 2000 | .3 | 25.1 | 60.9 | 80.7 | 82.0 | 84.7 | 85.0 | 88.7 | 89.0 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 1800 | .3 | 25.1 | 60.9 | 80.7 | 82.0 | 84.7 | 85.0 | 88.7 | 89.0 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 1500 | .3 | 25.6 | 61.4 | 81.2 | 82.5 | 85.2 | 85.5 | 89.2 | 89.7 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.5 |
| GE 1200 | .3 | 25.6 | 61.4 | 81.2 | 82.5 | 85.2 | 85.5 | 89.2 | 89.7 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.5 |
| GE 1000 | .3 | 26.8 | 63.4 | 85.5 | 86.7 | 89.5 | 89.7 | 93.5 | 93.7 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.7 |
| GE 900 | .3 | 26.8 | 63.4 | 85.5 | 86.7 | 89.5 | 89.7 | 93.5 | 93.7 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.7 |
| GE 800 | .3 | 26.8 | 63.7 | 85.7 | 87.0 | 89.7 | 90.0 | 93.7 | 94.0 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 95.1 |
| GE 700 | .3 | 26.8 | 63.7 | 85.7 | 87.0 | 89.7 | 90.0 | 93.7 | 94.0 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 95.1 |
| GE 600 | .3 | 26.8 | 65.4 | 87.7 | 89.0 | 91.7 | 92.0 | 95.7 | 95.0 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 97.0 |
| GE 500 | .3 | 26.8 | 65.4 | 89.0 | 90.2 | 93.0 | 93.2 | 97.0 | 97.2 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.2 |
| GE 400 | .3 | 26.8 | 65.4 | 89.0 | 90.2 | 93.0 | 93.2 | 97.0 | 97.2 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.2 |
| GE 300 | .3 | 26.8 | 65.4 | 89.5 | 90.7 | 93.5 | 93.7 | 98.2 | 98.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 |
| GE 200 | .3 | 26.8 | 65.4 | 89.5 | 90.7 | 93.5 | 93.7 | 98.2 | 98.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 |
| GE 100 | .3 | 26.8 | 65.4 | 89.5 | 90.7 | 93.5 | 93.7 | 98.2 | 98.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 379

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/AMC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAY HOURS (LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEILING | 26.4 | 42.5 | 48.5 | 51.8 | 54.1 | 54.3 | 56.9 | 57.7 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.3 | 58.3 | 58.3 |
| GE 200001 | 53.5 | 49.4 | 58.5 | 61.6 | 64.0 | 64.2 | 67.3 | 68.1 | 68.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.7 | 68.7 |
| GE 180001 | 53.5 | 49.4 | 58.5 | 61.6 | 64.0 | 64.2 | 67.3 | 68.1 | 68.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.7 | 68.7 |
| GE 160001 | 53.5 | 49.4 | 58.5 | 61.6 | 64.0 | 64.2 | 67.3 | 68.1 | 68.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.7 | 68.7 |
| GE 140001 | 53.5 | 49.4 | 58.5 | 61.6 | 64.2 | 64.4 | 67.5 | 68.3 | 68.5 | 68.5 | 68.7 | 68.7 | 68.7 | 68.9 | 68.9 | 68.9 |
| GE 120001 | 53.5 | 55.9 | 56.5 | 69.7 | 72.8 | 73.2 | 77.0 | 77.8 | 78.0 | 78.0 | 78.3 | 78.3 | 78.3 | 78.3 | 78.5 | 78.5 |
| GE 100001 | 53.5 | 55.9 | 56.5 | 69.7 | 72.8 | 73.2 | 77.0 | 77.8 | 78.0 | 78.0 | 78.3 | 78.3 | 78.3 | 78.3 | 78.5 | 78.5 |
| GE 900001 | 53.5 | 55.9 | 56.5 | 69.7 | 72.8 | 73.2 | 77.0 | 77.8 | 78.0 | 78.0 | 78.3 | 78.3 | 78.3 | 78.3 | 78.5 | 78.5 |
| GE 800001 | 53.5 | 55.9 | 56.5 | 69.7 | 72.8 | 73.2 | 77.0 | 77.8 | 78.0 | 78.0 | 78.3 | 78.3 | 78.3 | 78.3 | 78.5 | 78.5 |
| GE 700001 | 53.5 | 55.9 | 56.5 | 69.7 | 72.8 | 73.2 | 77.0 | 77.8 | 78.0 | 78.0 | 78.3 | 78.3 | 78.3 | 78.3 | 78.5 | 78.5 |
| GE 600001 | 53.5 | 55.9 | 56.5 | 69.7 | 72.8 | 73.2 | 77.0 | 77.8 | 78.0 | 78.0 | 78.3 | 78.3 | 78.3 | 78.3 | 78.5 | 78.5 |
| GE 500001 | 51.6 | 74.0 | 84.5 | 87.8 | 90.9 | 91.3 | 95.1 | 95.9 | 95.1 | 95.1 | 96.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 |
| GE 450001 | 51.6 | 74.0 | 84.5 | 87.8 | 90.9 | 91.3 | 95.1 | 95.9 | 95.1 | 95.1 | 96.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 |
| GE 400001 | 51.6 | 74.0 | 84.5 | 87.8 | 90.9 | 91.3 | 95.1 | 95.9 | 95.1 | 95.1 | 96.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 |
| GE 350001 | 51.6 | 74.0 | 84.5 | 87.8 | 90.9 | 91.3 | 95.1 | 95.9 | 95.1 | 95.1 | 96.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 |
| GE 300001 | 51.6 | 74.0 | 84.5 | 87.8 | 90.9 | 91.3 | 95.1 | 95.9 | 95.1 | 95.1 | 96.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 |
| GE 250001 | 51.6 | 74.0 | 84.5 | 87.8 | 90.9 | 91.3 | 95.1 | 95.9 | 95.1 | 95.1 | 96.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 |
| GE 200001 | 51.6 | 74.0 | 84.5 | 87.8 | 90.9 | 91.3 | 95.1 | 95.9 | 95.1 | 95.1 | 96.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 |
| GE 180001 | 51.6 | 74.0 | 84.5 | 87.8 | 90.9 | 91.3 | 95.1 | 95.9 | 95.1 | 95.1 | 96.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 |
| GE 150001 | 51.6 | 74.0 | 84.5 | 87.8 | 90.9 | 91.3 | 95.1 | 95.9 | 95.1 | 95.1 | 96.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 |
| GE 120001 | 52.4 | 75.0 | 85.4 | 88.8 | 91.9 | 92.3 | 96.1 | 97.0 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 |
| GE 100001 | 53.5 | 76.8 | 87.2 | 90.7 | 93.7 | 94.1 | 98.0 | 98.8 | 99.0 | 99.0 | 99.2 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 |
| GE 900001 | 53.5 | 76.8 | 87.2 | 90.7 | 93.7 | 94.1 | 98.0 | 98.8 | 99.0 | 99.0 | 99.2 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 |
| GE 800001 | 53.5 | 76.8 | 87.2 | 90.7 | 93.7 | 94.1 | 98.0 | 98.8 | 99.0 | 99.0 | 99.2 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 |
| GE 700001 | 53.5 | 76.8 | 87.2 | 90.7 | 93.7 | 94.1 | 98.0 | 98.8 | 99.0 | 99.0 | 99.2 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 |
| GE 600001 | 53.5 | 76.8 | 87.2 | 90.7 | 93.7 | 94.1 | 98.0 | 98.8 | 99.0 | 99.0 | 99.2 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 |
| GE 500001 | 53.5 | 76.8 | 87.2 | 90.7 | 93.7 | 94.1 | 98.0 | 98.8 | 99.0 | 99.0 | 99.2 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 |
| GE 400001 | 53.5 | 76.8 | 87.2 | 90.7 | 93.7 | 94.1 | 98.0 | 98.8 | 99.0 | 99.0 | 99.2 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 |
| GE 300001 | 53.5 | 76.8 | 87.2 | 90.7 | 93.7 | 94.1 | 98.0 | 98.8 | 99.0 | 99.0 | 99.2 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 |
| GE 200001 | 53.5 | 76.8 | 87.2 | 90.7 | 93.7 | 94.1 | 98.0 | 98.8 | 99.0 | 99.0 | 99.2 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 |
| GE 100001 | 53.5 | 76.8 | 87.2 | 90.7 | 93.7 | 94.1 | 98.0 | 98.8 | 99.0 | 99.0 | 99.2 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 |
| GE 01 | 53.5 | 76.8 | 87.2 | 90.7 | 93.7 | 94.1 | 98.0 | 98.8 | 99.0 | 99.0 | 99.2 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 422

GLOBAL CLIMATOLOGY BRANCH
USAF/LTAC
AIR WEATHER SERVICE/ZMAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: MAY HOURS(DST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | 28.0 | 45.1 | 55.4 | 57.3 | 53.4 | 51.1 | 62.6 | 53.7 | 53.9 | 51.9 | 53.9 | 54.3 | 64.3 | 64.3 | 64.3 | 54.3 |
| GE 18000 | 28.0 | 45.1 | 55.4 | 57.3 | 50.4 | 51.1 | 62.6 | 53.7 | 53.9 | 51.9 | 53.9 | 54.3 | 64.3 | 64.3 | 64.3 | 54.3 |
| GE 16000 | 28.0 | 45.1 | 55.4 | 57.3 | 50.4 | 51.1 | 62.6 | 53.7 | 53.9 | 51.9 | 53.9 | 54.3 | 64.3 | 64.3 | 64.3 | 54.3 |
| GE 14000 | 28.0 | 45.1 | 55.4 | 57.3 | 63.6 | 61.3 | 63.0 | 54.1 | 64.3 | 64.3 | 64.3 | 54.3 | 64.3 | 64.3 | 64.3 | 54.3 |
| GE 12000 | 30.9 | 50.5 | 61.7 | 64.1 | 67.8 | 68.9 | 73.9 | 72.0 | 72.2 | 72.2 | 72.2 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 10000 | 30.9 | 50.5 | 61.7 | 64.1 | 67.8 | 68.9 | 73.9 | 72.0 | 72.2 | 72.2 | 72.2 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 9000 | 33.9 | 50.5 | 61.7 | 64.1 | 67.8 | 68.9 | 73.9 | 72.0 | 72.2 | 72.2 | 72.2 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 8000 | 33.9 | 50.5 | 61.7 | 64.1 | 67.8 | 68.9 | 73.9 | 72.0 | 72.2 | 72.2 | 72.2 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 7000 | 33.9 | 50.5 | 61.7 | 64.1 | 67.8 | 68.9 | 73.9 | 72.0 | 72.2 | 72.2 | 72.2 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 6000 | 30.9 | 50.5 | 61.7 | 64.1 | 67.8 | 68.9 | 73.9 | 72.0 | 72.2 | 72.2 | 72.2 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 5000 | 54.5 | 74.2 | 85.3 | 87.7 | 91.5 | 92.6 | 94.5 | 95.6 | 95.8 | 95.8 | 95.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 4500 | 54.5 | 74.2 | 85.3 | 87.7 | 91.5 | 92.6 | 94.5 | 95.6 | 95.8 | 95.8 | 95.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 4000 | 54.5 | 74.2 | 85.3 | 87.7 | 91.5 | 92.6 | 94.5 | 95.6 | 95.8 | 95.8 | 95.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 3500 | 54.5 | 74.2 | 85.3 | 87.7 | 91.5 | 92.6 | 94.5 | 95.6 | 95.8 | 95.8 | 95.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 3000 | 54.5 | 74.2 | 85.3 | 87.7 | 91.5 | 92.6 | 94.5 | 95.6 | 95.8 | 95.8 | 95.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 2500 | 54.5 | 74.2 | 85.3 | 87.7 | 91.5 | 92.6 | 94.5 | 95.6 | 95.8 | 95.8 | 95.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 2000 | 54.5 | 74.2 | 85.3 | 87.7 | 91.5 | 92.6 | 94.5 | 95.6 | 95.8 | 95.8 | 95.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 1800 | 54.5 | 74.2 | 85.3 | 87.7 | 91.5 | 92.6 | 94.5 | 95.6 | 95.8 | 95.8 | 95.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 1500 | 54.7 | 74.6 | 85.3 | 89.2 | 91.9 | 93.0 | 95.0 | 96.1 | 96.3 | 96.3 | 96.3 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 1200 | 55.1 | 75.9 | 87.1 | 89.7 | 93.0 | 94.5 | 96.5 | 97.6 | 97.8 | 97.8 | 97.8 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 1000 | 56.0 | 77.0 | 88.2 | 90.4 | 94.5 | 95.5 | 97.6 | 98.7 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 900 | 56.0 | 77.0 | 88.2 | 90.4 | 94.5 | 95.5 | 97.6 | 98.7 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 800 | 56.2 | 77.2 | 88.4 | 91.0 | 94.7 | 95.4 | 97.8 | 98.9 | 99.1 | 99.1 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 700 | 56.5 | 77.5 | 88.5 | 91.2 | 95.0 | 96.1 | 98.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 600 | 56.5 | 77.5 | 88.5 | 91.2 | 95.0 | 96.1 | 98.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 500 | 56.5 | 77.5 | 88.5 | 91.2 | 95.0 | 96.1 | 98.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 400 | 56.5 | 77.5 | 88.5 | 91.2 | 95.0 | 96.1 | 98.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 300 | 56.5 | 77.5 | 88.5 | 91.2 | 95.0 | 96.1 | 98.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 200 | 56.5 | 77.5 | 88.5 | 91.2 | 95.0 | 96.1 | 98.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 100 | 56.5 | 77.5 | 88.5 | 91.2 | 95.0 | 96.1 | 98.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 0 | 56.5 | 77.5 | 88.5 | 91.2 | 95.0 | 96.1 | 98.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |

TOTAL NUMBER OF OBSERVATIONS: 457

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: MAY HOURS(EST): 1700-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|
| | 10 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 3 | |
| NO CEIL | | 76.4 | 40.0 | 48.2 | 49.2 | 50.8 | 51.6 | 53.7 | 53.9 | 54.3 | 54.3 | 54.3 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 20000 | 53.7 | 48.8 | 59.5 | 61.0 | 63.0 | 63.9 | 65.1 | 66.3 | 66.7 | 66.7 | 66.7 | 66.7 | 65.9 | 65.9 | 66.9 | 65.9 |
| GE 18000 | 53.7 | 48.8 | 59.5 | 61.0 | 63.0 | 63.9 | 65.1 | 65.3 | 65.7 | 65.7 | 66.7 | 66.7 | 65.9 | 65.9 | 65.9 | 65.9 |
| GE 16000 | 53.7 | 48.8 | 59.5 | 61.0 | 63.0 | 63.9 | 65.1 | 65.3 | 65.7 | 66.7 | 66.7 | 66.7 | 65.9 | 65.9 | 65.9 | 65.9 |
| GE 14000 | 53.7 | 49.2 | 60.3 | 61.4 | 63.4 | 64.2 | 66.5 | 65.7 | 67.1 | 67.1 | 67.1 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 |
| GE 12000 | 53.5 | 54.9 | 67.1 | 69.7 | 70.9 | 71.7 | 74.2 | 74.4 | 74.8 | 74.8 | 74.8 | 74.8 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 10000 | 53.5 | 54.9 | 67.1 | 68.7 | 70.9 | 71.7 | 74.2 | 74.4 | 74.8 | 74.8 | 74.8 | 74.8 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 9000 | 53.5 | 54.9 | 67.1 | 68.7 | 70.9 | 71.7 | 74.2 | 74.4 | 74.8 | 74.8 | 74.8 | 74.8 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 8000 | 53.5 | 54.9 | 67.1 | 68.7 | 70.9 | 71.7 | 74.2 | 74.4 | 74.8 | 74.8 | 74.8 | 74.8 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 7000 | 53.5 | 54.9 | 67.1 | 68.7 | 70.9 | 71.7 | 74.2 | 74.4 | 74.8 | 74.8 | 74.8 | 74.8 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 6000 | 53.5 | 54.9 | 67.1 | 68.7 | 70.9 | 71.7 | 74.2 | 74.4 | 74.8 | 74.8 | 74.8 | 74.8 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 5000 | 53.9 | 75.2 | 87.4 | 89.0 | 91.3 | 92.1 | 94.5 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 4500 | 53.9 | 75.2 | 87.4 | 89.0 | 91.3 | 92.1 | 94.5 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 4000 | 53.9 | 75.2 | 87.4 | 89.0 | 91.3 | 92.1 | 94.5 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 3500 | 53.9 | 75.2 | 87.4 | 89.0 | 91.3 | 92.1 | 94.5 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 3000 | 53.9 | 75.2 | 87.4 | 89.0 | 91.3 | 92.1 | 94.5 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 2500 | 53.9 | 75.2 | 87.4 | 89.0 | 91.3 | 92.1 | 94.5 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 2000 | 53.9 | 75.2 | 87.4 | 89.0 | 91.3 | 92.1 | 94.5 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 1800 | 53.9 | 75.2 | 87.4 | 89.0 | 91.3 | 92.1 | 94.5 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 1500 | 54.3 | 75.6 | 88.3 | 89.6 | 91.9 | 92.7 | 95.1 | 95.3 | 95.7 | 95.7 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 1200 | 54.9 | 76.8 | 89.5 | 91.5 | 93.7 | 94.5 | 97.0 | 97.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 1000 | 55.7 | 77.8 | 90.7 | 92.5 | 94.7 | 95.5 | 98.0 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 900 | 55.7 | 77.8 | 90.7 | 92.5 | 94.7 | 95.5 | 98.0 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 800 | 56.7 | 79.1 | 91.9 | 93.7 | 95.9 | 96.7 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 56.7 | 79.1 | 91.9 | 93.7 | 95.9 | 96.7 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 56.7 | 79.1 | 91.9 | 93.7 | 95.9 | 96.7 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 56.7 | 79.1 | 91.9 | 93.7 | 95.9 | 96.7 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 56.7 | 79.1 | 91.9 | 93.7 | 95.9 | 96.7 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 56.7 | 79.1 | 91.9 | 93.7 | 95.9 | 96.7 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 56.7 | 79.1 | 91.9 | 93.7 | 95.9 | 96.7 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 56.7 | 79.1 | 91.9 | 93.7 | 95.9 | 96.7 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 56.7 | 79.1 | 91.9 | 93.7 | 95.9 | 96.7 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 442

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: MAY HOURS(EST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | 1 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | 19.1 | 37.7 | 46.7 | 48.5 | 50.6 | 51.0 | 52.2 | 52.6 | 53.1 | 53.3 | 53.3 | 53.5 | 53.5 | 53.5 | 53.5 |
| GE 20000 | 23.9 | 43.2 | 54.3 | 56.3 | 59.1 | 59.8 | 61.1 | 61.8 | 62.5 | 62.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 18000 | 20.9 | 43.2 | 54.3 | 56.3 | 59.1 | 59.8 | 61.1 | 61.8 | 62.5 | 62.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 16000 | 21.1 | 43.4 | 54.3 | 56.6 | 59.3 | 60.0 | 61.4 | 62.1 | 62.8 | 63.0 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 14000 | 21.1 | 43.7 | 54.5 | 56.9 | 59.9 | 60.5 | 61.9 | 62.5 | 63.2 | 63.4 | 63.4 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 12000 | 25.1 | 51.3 | 56.2 | 68.5 | 71.5 | 72.2 | 73.8 | 74.5 | 75.2 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 10000 | 25.1 | 51.3 | 56.2 | 68.5 | 71.5 | 72.2 | 73.8 | 74.5 | 75.2 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 9000 | 25.1 | 51.3 | 56.2 | 68.5 | 71.5 | 72.2 | 73.8 | 74.5 | 75.2 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 8000 | 25.1 | 51.3 | 56.2 | 68.5 | 71.5 | 72.2 | 73.8 | 74.5 | 75.2 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 7000 | 25.1 | 51.3 | 56.2 | 68.5 | 71.5 | 72.2 | 73.8 | 74.5 | 75.2 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 6000 | 25.1 | 51.3 | 56.2 | 68.5 | 71.5 | 72.2 | 73.8 | 74.5 | 75.2 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 5000 | 44.6 | 70.8 | 85.7 | 88.0 | 91.0 | 91.7 | 93.3 | 94.0 | 94.7 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 4500 | 44.6 | 70.8 | 85.7 | 88.0 | 91.0 | 91.7 | 93.3 | 94.0 | 94.7 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 4000 | 44.6 | 70.8 | 85.7 | 88.0 | 91.0 | 91.7 | 93.3 | 94.0 | 94.7 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 3500 | 44.6 | 70.8 | 85.7 | 88.0 | 91.0 | 91.7 | 93.3 | 94.0 | 94.7 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 3000 | 44.6 | 70.8 | 85.7 | 88.0 | 91.0 | 91.7 | 93.3 | 94.0 | 94.7 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 2500 | 44.6 | 70.8 | 85.7 | 88.0 | 91.0 | 91.7 | 93.3 | 94.0 | 94.7 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 2000 | 44.6 | 70.8 | 85.7 | 88.0 | 91.0 | 91.7 | 93.3 | 94.0 | 94.7 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 1800 | 44.6 | 70.8 | 85.7 | 88.0 | 91.0 | 91.7 | 93.3 | 94.0 | 94.7 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 1500 | 45.3 | 71.7 | 86.7 | 89.0 | 92.0 | 92.5 | 94.3 | 94.9 | 95.6 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 1200 | 45.5 | 72.6 | 87.5 | 89.7 | 92.9 | 93.6 | 95.2 | 95.9 | 96.6 | 96.8 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 1000 | 46.0 | 73.6 | 88.7 | 91.0 | 94.0 | 94.7 | 96.3 | 97.0 | 97.7 | 97.9 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 900 | 46.0 | 73.6 | 88.7 | 91.0 | 94.0 | 94.7 | 96.3 | 97.0 | 97.7 | 97.9 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 800 | 46.0 | 74.5 | 89.7 | 92.2 | 95.2 | 95.9 | 97.5 | 98.2 | 98.9 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 700 | 46.0 | 74.5 | 89.7 | 92.2 | 95.2 | 95.9 | 97.5 | 98.2 | 98.9 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 600 | 46.4 | 74.9 | 90.1 | 92.5 | 95.6 | 96.3 | 97.9 | 98.6 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 46.4 | 74.9 | 90.1 | 92.5 | 95.6 | 96.3 | 97.9 | 98.6 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | 46.4 | 74.9 | 90.1 | 92.5 | 95.6 | 96.3 | 97.9 | 98.6 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 46.4 | 74.9 | 90.1 | 92.5 | 95.6 | 96.3 | 97.9 | 98.6 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 46.4 | 74.9 | 90.1 | 92.5 | 95.6 | 96.3 | 97.9 | 98.6 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 46.4 | 74.9 | 90.1 | 92.5 | 95.6 | 96.3 | 97.9 | 98.6 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 0 | 46.4 | 74.9 | 90.1 | 92.5 | 95.6 | 96.3 | 97.9 | 98.6 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS: 435

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616417 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: MAY HOURS(LEIST): 0600-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|------|------|------|------|-------|------|----------|----------|------|--------|--------|--------|---------|--------|--------|
| | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | | | 9.6 | 40.3 | 55.3 | 55.6 | 59.3 | 59.3 | 63.3 | 50.7 | 67.7 | 50.9 | 60.9 | 61.1 | 51.1 | 61.1 | 51.1 |
| GE 20000 | | | 10.6 | 45.0 | 50.3 | 62.4 | 66.5 | 55.5 | 67.5 | 57.9 | 67.9 | 68.1 | 68.1 | 68.3 | 68.3 | 69.3 | 53.3 |
| GE 18000 | | | 10.6 | 45.0 | 50.3 | 62.4 | 66.5 | 55.5 | 67.5 | 57.9 | 67.9 | 59.1 | 68.1 | 53.3 | 53.3 | 63.3 | 53.3 |
| GE 16000 | | | 10.6 | 45.0 | 50.3 | 62.4 | 66.5 | 55.5 | 67.5 | 57.9 | 67.9 | 68.1 | 68.1 | 53.3 | 63.3 | 69.3 | 53.3 |
| GE 14000 | | | 10.6 | 45.6 | 50.9 | 63.0 | 67.1 | 67.1 | 69.1 | 58.5 | 68.5 | 68.7 | 68.7 | 68.9 | 58.9 | 68.9 | 53.9 |
| GE 12000 | .7 | | 11.9 | 53.4 | 73.3 | 75.7 | 80.6 | 80.6 | 81.8 | 82.2 | 82.2 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 10000 | .2 | | 11.9 | 53.4 | 73.3 | 75.7 | 80.6 | 80.6 | 81.8 | 82.2 | 82.2 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 9000 | .2 | | 11.9 | 53.4 | 73.3 | 75.7 | 80.6 | 80.6 | 81.8 | 82.2 | 82.2 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 8000 | .2 | | 11.9 | 53.4 | 73.3 | 75.7 | 80.6 | 80.6 | 81.8 | 82.2 | 82.2 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 7000 | .2 | | 11.9 | 53.4 | 73.3 | 75.7 | 80.6 | 80.6 | 81.8 | 82.2 | 82.2 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 6000 | .2 | | 11.9 | 53.4 | 73.3 | 75.7 | 80.6 | 80.6 | 81.8 | 82.2 | 82.2 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 5000 | .2 | | 22.3 | 63.8 | 83.4 | 86.1 | 91.0 | 91.0 | 92.2 | 92.6 | 92.6 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 4500 | .2 | | 22.3 | 63.8 | 83.4 | 86.1 | 91.0 | 91.0 | 92.2 | 92.6 | 92.6 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 4000 | .2 | | 22.3 | 63.8 | 83.4 | 86.1 | 91.0 | 91.0 | 92.2 | 92.6 | 92.6 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 3500 | .2 | | 22.3 | 63.8 | 83.4 | 86.1 | 91.0 | 91.0 | 92.2 | 92.6 | 92.6 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 3000 | .2 | | 22.3 | 63.8 | 83.4 | 86.1 | 91.0 | 91.0 | 92.2 | 92.6 | 92.6 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 2500 | .2 | | 22.3 | 63.8 | 83.4 | 86.1 | 91.0 | 91.0 | 92.2 | 92.6 | 92.6 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 2000 | .2 | | 22.3 | 63.8 | 83.4 | 86.1 | 91.0 | 91.0 | 92.2 | 92.6 | 92.6 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 1800 | .2 | | 22.3 | 63.8 | 83.4 | 86.1 | 91.0 | 91.0 | 92.2 | 92.6 | 92.6 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 1500 | .2 | | 22.3 | 63.8 | 83.4 | 86.1 | 91.0 | 91.0 | 92.2 | 92.6 | 92.6 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 1200 | .2 | | 22.3 | 65.4 | 95.1 | 87.7 | 92.6 | 92.6 | 93.9 | 94.3 | 94.3 | 94.5 | 94.5 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 1000 | .2 | | 22.3 | 66.5 | 86.3 | 89.0 | 94.1 | 94.1 | 95.3 | 95.7 | 95.7 | 95.9 | 95.9 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 900 | .2 | | 22.3 | 66.7 | 96.5 | 89.2 | 94.3 | 94.3 | 95.5 | 95.9 | 95.9 | 96.1 | 96.1 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 800 | .2 | | 22.3 | 67.7 | 97.9 | 90.9 | 96.1 | 96.1 | 97.3 | 97.8 | 97.8 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 700 | .2 | | 22.3 | 68.1 | 98.3 | 91.2 | 95.5 | 95.5 | 97.8 | 98.2 | 98.2 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 600 | .2 | | 22.5 | 69.1 | 89.5 | 92.4 | 97.8 | 97.8 | 99.0 | 99.4 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | .2 | | 22.5 | 69.1 | 89.3 | 92.6 | 98.0 | 98.0 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | .2 | | 22.5 | 69.1 | 89.3 | 92.6 | 98.0 | 98.0 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | .2 | | 22.5 | 69.1 | 89.3 | 92.6 | 98.0 | 98.0 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | .2 | | 22.5 | 69.1 | 89.3 | 92.6 | 98.0 | 98.0 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | .2 | | 22.5 | 69.1 | 89.3 | 92.6 | 98.0 | 98.0 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | .2 | | 22.5 | 69.1 | 89.3 | 92.6 | 98.0 | 98.0 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 419

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: MAY HOURS (LST): 0300-0300

| CEILING IN FEET | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/15 | GE 1/4 | GE 0 |
| NO CEIL | | .2 | 7.1 | 39.2 | 57.7 | 59.9 | 63.3 | 63.6 | 64.9 | 65.4 | 65.6 | 65.6 | 65.6 | 65.3 | 65.3 | 65.8 | 65.3 |
| GE 20000 | | .2 | 7.3 | 41.9 | 61.3 | 63.3 | 67.0 | 67.2 | 68.6 | 69.0 | 69.2 | 69.2 | 69.2 | 69.5 | 69.5 | 69.5 | 69.5 |
| GE 18000 | | .2 | 7.3 | 41.9 | 61.3 | 63.3 | 67.0 | 67.2 | 68.6 | 69.0 | 69.2 | 69.2 | 69.2 | 69.5 | 69.5 | 69.5 | 69.5 |
| GE 16000 | | .2 | 7.3 | 41.9 | 61.3 | 63.3 | 67.0 | 67.2 | 68.6 | 69.0 | 69.2 | 69.2 | 69.2 | 69.5 | 69.5 | 69.5 | 69.5 |
| GE 14000 | | .2 | 7.3 | 42.1 | 61.7 | 63.9 | 67.4 | 67.7 | 69.0 | 69.5 | 69.7 | 69.7 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 12000 | | .2 | 8.4 | 47.4 | 70.3 | 73.6 | 77.4 | 77.7 | 79.0 | 79.5 | 79.7 | 79.7 | 79.7 | 80.0 | 80.0 | 80.0 | 80.0 |
| GE 10000 | | .2 | 8.4 | 47.6 | 71.1 | 73.8 | 77.7 | 77.9 | 79.3 | 79.7 | 80.0 | 80.0 | 80.0 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 9000 | | .2 | 8.4 | 47.6 | 71.1 | 73.8 | 77.7 | 77.9 | 79.3 | 79.7 | 80.0 | 80.0 | 80.0 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 8000 | | .2 | 8.4 | 47.6 | 71.1 | 73.8 | 77.7 | 77.9 | 79.3 | 79.7 | 80.0 | 80.0 | 80.0 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 7000 | | .2 | 8.4 | 47.6 | 71.1 | 73.4 | 77.7 | 77.9 | 79.3 | 79.7 | 80.0 | 80.0 | 80.0 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 6000 | | .2 | 8.4 | 47.6 | 71.1 | 73.8 | 77.7 | 77.9 | 79.3 | 79.7 | 80.0 | 80.0 | 80.0 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 5000 | | .2 | 21.9 | 61.0 | 84.3 | 87.2 | 91.1 | 91.3 | 92.7 | 93.2 | 93.4 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 4500 | | .2 | 21.9 | 61.0 | 84.3 | 87.2 | 91.1 | 91.3 | 92.7 | 93.2 | 93.4 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 4000 | | .2 | 21.9 | 61.0 | 84.3 | 87.2 | 91.1 | 91.3 | 92.7 | 93.2 | 93.4 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 3500 | | .2 | 21.9 | 61.0 | 84.3 | 87.2 | 91.1 | 91.3 | 92.7 | 93.2 | 93.4 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 3000 | | .2 | 21.9 | 61.0 | 84.3 | 87.2 | 91.1 | 91.3 | 92.7 | 93.2 | 93.4 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 2500 | | .2 | 21.9 | 61.0 | 84.3 | 87.2 | 91.1 | 91.3 | 92.7 | 93.2 | 93.4 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 2000 | | .2 | 21.9 | 61.0 | 84.3 | 87.2 | 91.1 | 91.3 | 92.7 | 93.2 | 93.4 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 1800 | | .2 | 21.9 | 61.0 | 84.3 | 87.2 | 91.1 | 91.3 | 92.7 | 93.2 | 93.4 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 1500 | | .2 | 21.9 | 61.0 | 84.3 | 87.2 | 91.1 | 91.3 | 92.7 | 93.2 | 93.4 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 1200 | | .2 | 21.9 | 62.0 | 85.4 | 88.2 | 92.0 | 92.3 | 93.6 | 94.1 | 94.3 | 94.3 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 1000 | | .2 | 21.9 | 63.1 | 86.3 | 89.5 | 93.4 | 93.6 | 95.0 | 95.4 | 95.7 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 900 | | .2 | 21.9 | 63.1 | 86.3 | 89.5 | 93.4 | 93.6 | 95.0 | 95.4 | 95.7 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 800 | | .2 | 21.9 | 64.0 | 87.7 | 90.4 | 94.3 | 94.5 | 95.9 | 96.4 | 96.6 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 700 | | .2 | 21.9 | 64.5 | 88.2 | 90.9 | 94.8 | 95.0 | 96.4 | 96.8 | 97.0 | 97.0 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 600 | | .2 | 21.9 | 65.8 | 89.7 | 92.5 | 96.4 | 96.6 | 97.9 | 98.4 | 98.6 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 500 | | .2 | 21.9 | 65.8 | 90.2 | 92.9 | 96.8 | 97.0 | 98.9 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | | .2 | 21.9 | 65.8 | 90.2 | 92.9 | 95.8 | 97.0 | 98.9 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | | .2 | 21.9 | 65.8 | 90.2 | 92.9 | 95.8 | 97.0 | 98.9 | 99.3 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | | .2 | 21.9 | 65.8 | 90.2 | 92.9 | 95.8 | 97.0 | 98.9 | 99.3 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | | .2 | 21.9 | 65.8 | 90.2 | 92.9 | 95.8 | 97.0 | 98.9 | 99.3 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | | .2 | 21.9 | 65.8 | 90.2 | 92.9 | 95.8 | 97.0 | 98.9 | 99.3 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: MAY HOURS(LOCAL): 0000-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | 9.6 | 43.0 | 51.3 | 62.6 | 66.0 | 66.0 | 68.8 | 59.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 73.0 | 73.0 |
| GE 20000 | 10.4 | 45.8 | 54.2 | 65.8 | 69.6 | 69.6 | 72.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 18000 | 10.4 | 45.8 | 54.2 | 65.8 | 69.6 | 69.6 | 72.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 16000 | 10.4 | 45.8 | 54.2 | 65.8 | 69.6 | 69.6 | 72.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 14000 | 10.4 | 46.2 | 54.2 | 66.2 | 70.0 | 70.0 | 72.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 74.0 | 74.0 |
| GE 12000 | 11.2 | 52.6 | 73.4 | 75.8 | 80.0 | 80.0 | 82.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 84.0 | 84.0 |
| GE 10000 | 11.2 | 52.6 | 73.4 | 75.8 | 80.0 | 80.0 | 82.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 84.0 | 84.0 |
| GE 9000 | 11.2 | 52.6 | 73.4 | 75.8 | 80.0 | 80.0 | 82.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 84.0 | 84.0 |
| GE 8000 | 11.2 | 52.6 | 73.4 | 75.8 | 80.0 | 80.0 | 82.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 84.0 | 84.0 |
| GE 7000 | 11.2 | 52.6 | 73.4 | 75.8 | 80.0 | 80.0 | 82.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 84.0 | 84.0 |
| GE 6000 | 11.2 | 52.6 | 73.4 | 75.8 | 80.0 | 80.0 | 82.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 84.0 | 84.0 |
| GE 5000 | 23.8 | 65.2 | 86.3 | 88.4 | 92.6 | 92.6 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 |
| GE 4500 | 23.8 | 65.2 | 86.3 | 88.4 | 92.6 | 92.6 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 |
| GE 4000 | 23.8 | 65.2 | 86.3 | 88.4 | 92.6 | 92.6 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 |
| GE 3500 | 23.8 | 65.2 | 86.3 | 88.4 | 92.6 | 92.6 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 |
| GE 3000 | 23.8 | 65.2 | 86.3 | 88.4 | 92.6 | 92.6 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 |
| GE 2500 | 23.8 | 65.2 | 86.3 | 88.4 | 92.6 | 92.6 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 |
| GE 2000 | 23.8 | 65.2 | 86.3 | 88.4 | 92.6 | 92.6 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 |
| GE 1800 | 23.8 | 65.2 | 86.3 | 88.4 | 92.6 | 92.6 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 |
| GE 1500 | 23.8 | 65.2 | 86.3 | 88.4 | 92.6 | 92.6 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 |
| GE 1200 | 23.8 | 66.0 | 86.3 | 89.2 | 93.4 | 93.4 | 96.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.4 | 97.4 |
| GE 1000 | 23.8 | 66.4 | 87.2 | 89.8 | 94.0 | 94.0 | 96.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.0 | 98.0 |
| GE 900 | 23.8 | 66.4 | 87.2 | 89.8 | 94.0 | 94.0 | 96.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.0 | 98.0 |
| GE 800 | 23.8 | 67.0 | 87.3 | 90.4 | 94.6 | 94.6 | 97.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 |
| GE 700 | 23.8 | 67.2 | 88.3 | 90.6 | 94.8 | 94.8 | 97.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 |
| GE 600 | 24.0 | 67.8 | 89.3 | 91.6 | 95.8 | 95.8 | 98.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 |
| GE 500 | 24.0 | 67.8 | 89.3 | 91.6 | 95.8 | 95.8 | 98.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 |
| GE 400 | 24.0 | 67.8 | 89.3 | 91.6 | 95.8 | 95.8 | 98.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 |
| GE 300 | 24.0 | 67.8 | 89.3 | 91.6 | 95.8 | 95.8 | 98.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 |
| GE 200 | 24.0 | 68.0 | 89.2 | 91.8 | 96.0 | 96.0 | 98.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 100 | 24.0 | 68.0 | 89.2 | 91.8 | 96.0 | 96.0 | 98.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 530

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616417 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: APR HOURS(DST): ALL

| CEILING IN FEET | GE | VISIBILITY IN 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 |
| NO CEIL | 0 | 21.6 | 44.9 | 57.7 | 58.7 | 61.3 | 61.4 | 64.7 | 65.4 | 65.8 | 65.9 | 65.9 | 65.2 | 65.5 | 65.5 | 65.5 | 65.5 |
| GE 20000 | .1 | 25.3 | 51.5 | 65.3 | 66.8 | 69.5 | 69.5 | 73.1 | 73.8 | 74.1 | 74.2 | 74.3 | 74.5 | 74.9 | 74.9 | 75.0 | 75.0 |
| GE 18000 | .1 | 25.3 | 51.5 | 65.3 | 66.8 | 69.5 | 69.5 | 73.1 | 73.8 | 74.1 | 74.2 | 74.3 | 74.5 | 74.9 | 74.9 | 75.0 | 75.0 |
| GE 16000 | .1 | 25.3 | 51.5 | 65.3 | 66.8 | 69.5 | 69.5 | 73.1 | 73.8 | 74.1 | 74.2 | 74.3 | 74.5 | 74.9 | 74.9 | 75.0 | 75.0 |
| GE 14000 | .1 | 25.5 | 51.8 | 66.0 | 67.1 | 69.8 | 69.9 | 73.3 | 74.1 | 74.4 | 74.5 | 74.6 | 74.9 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 12000 | .1 | 27.0 | 54.9 | 69.7 | 70.9 | 73.8 | 73.9 | 77.3 | 78.1 | 78.4 | 78.5 | 78.6 | 78.9 | 79.2 | 79.2 | 79.3 | 79.3 |
| GE 10000 | .1 | 27.1 | 54.9 | 69.3 | 71.0 | 73.9 | 74.0 | 77.4 | 78.2 | 78.5 | 78.5 | 78.6 | 78.9 | 79.2 | 79.2 | 79.3 | 79.3 |
| GE 9000 | .1 | 27.1 | 54.9 | 69.3 | 71.0 | 73.9 | 74.0 | 77.4 | 78.2 | 78.5 | 78.5 | 78.6 | 78.9 | 79.2 | 79.2 | 79.3 | 79.3 |
| GE 8000 | .1 | 27.1 | 54.9 | 69.3 | 71.0 | 73.9 | 74.0 | 77.4 | 78.2 | 78.5 | 78.5 | 78.6 | 78.9 | 79.2 | 79.2 | 79.3 | 79.3 |
| GE 7000 | .1 | 27.1 | 54.9 | 69.3 | 71.0 | 73.9 | 74.0 | 77.4 | 78.2 | 78.5 | 78.5 | 78.6 | 78.9 | 79.2 | 79.2 | 79.3 | 79.3 |
| GE 6000 | .1 | 27.1 | 54.9 | 69.3 | 71.0 | 73.9 | 74.0 | 77.4 | 78.2 | 78.5 | 78.5 | 78.6 | 78.9 | 79.2 | 79.2 | 79.3 | 79.3 |
| GE 5000 | .1 | 41.7 | 69.5 | 84.4 | 85.6 | 88.5 | 88.6 | 92.0 | 92.8 | 93.1 | 93.1 | 93.2 | 93.3 | 93.3 | 93.8 | 93.8 | 93.9 |
| GE 4500 | .1 | 41.7 | 69.5 | 84.4 | 85.6 | 88.5 | 88.5 | 92.0 | 92.8 | 93.1 | 93.1 | 93.2 | 93.3 | 93.3 | 93.8 | 93.8 | 93.9 |
| GE 4000 | .1 | 41.7 | 69.5 | 84.4 | 85.6 | 88.5 | 88.5 | 92.0 | 92.8 | 93.1 | 93.1 | 93.2 | 93.3 | 93.3 | 93.8 | 93.8 | 93.9 |
| GE 3500 | .1 | 41.7 | 69.5 | 84.4 | 85.6 | 88.5 | 88.5 | 92.0 | 92.8 | 93.1 | 93.1 | 93.2 | 93.3 | 93.3 | 93.8 | 93.8 | 93.9 |
| GE 3000 | .1 | 41.7 | 69.5 | 84.4 | 85.6 | 88.5 | 88.5 | 92.0 | 92.8 | 93.1 | 93.1 | 93.2 | 93.3 | 93.3 | 93.8 | 93.8 | 93.9 |
| GE 2500 | .1 | 41.7 | 69.5 | 84.4 | 85.6 | 88.5 | 88.5 | 92.0 | 92.8 | 93.1 | 93.2 | 93.3 | 93.5 | 93.9 | 93.9 | 94.0 | 94.0 |
| GE 2000 | .1 | 41.7 | 69.7 | 84.5 | 85.9 | 88.8 | 88.9 | 92.3 | 93.1 | 93.4 | 93.5 | 93.6 | 93.8 | 94.2 | 94.2 | 94.3 | 94.3 |
| GE 1800 | .1 | 41.7 | 69.7 | 84.5 | 85.9 | 88.8 | 88.9 | 92.3 | 93.1 | 93.4 | 93.5 | 93.6 | 93.8 | 94.2 | 94.2 | 94.3 | 94.3 |
| GE 1500 | .1 | 41.9 | 69.9 | 84.7 | 86.2 | 89.2 | 89.3 | 92.7 | 93.5 | 93.8 | 93.9 | 94.0 | 94.2 | 94.5 | 94.5 | 94.7 | 94.7 |
| GE 1200 | .1 | 42.4 | 71.0 | 86.3 | 87.9 | 90.8 | 90.9 | 94.4 | 95.2 | 95.5 | 95.6 | 95.7 | 95.9 | 96.3 | 96.3 | 96.4 | 96.4 |
| GE 1000 | .1 | 43.1 | 72.1 | 87.9 | 89.2 | 92.2 | 92.2 | 95.7 | 96.5 | 96.8 | 96.9 | 97.0 | 97.3 | 97.5 | 97.5 | 97.7 | 97.7 |
| GE 900 | .1 | 43.1 | 72.1 | 87.9 | 89.2 | 92.2 | 92.2 | 95.7 | 96.5 | 96.8 | 96.9 | 97.0 | 97.3 | 97.5 | 97.5 | 97.7 | 97.7 |
| GE 800 | .1 | 43.1 | 72.3 | 88.2 | 89.5 | 92.5 | 92.5 | 96.1 | 96.9 | 97.2 | 97.3 | 97.4 | 97.5 | 98.0 | 98.0 | 98.1 | 98.1 |
| GE 700 | .1 | 43.1 | 72.4 | 88.3 | 89.6 | 92.5 | 92.7 | 96.2 | 97.0 | 97.3 | 97.4 | 97.5 | 97.7 | 98.1 | 98.1 | 98.2 | 98.2 |
| GE 600 | .1 | 43.3 | 73.1 | 89.2 | 90.5 | 93.5 | 93.5 | 97.1 | 97.9 | 98.2 | 98.3 | 98.4 | 98.5 | 99.0 | 99.0 | 99.1 | 99.1 |
| GE 500 | .1 | 43.3 | 73.1 | 89.3 | 90.8 | 93.9 | 94.0 | 97.5 | 98.3 | 98.7 | 98.7 | 98.9 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 400 | .1 | 43.3 | 73.1 | 89.3 | 90.9 | 93.9 | 94.0 | 97.6 | 98.4 | 98.8 | 98.9 | 99.0 | 99.3 | 99.5 | 99.6 | 99.7 | 99.7 |
| GE 300 | .1 | 43.3 | 73.1 | 89.3 | 90.9 | 93.9 | 94.0 | 97.7 | 98.5 | 98.9 | 99.0 | 99.1 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 200 | .1 | 43.3 | 73.1 | 89.3 | 90.9 | 93.9 | 94.0 | 97.7 | 98.5 | 98.9 | 99.0 | 99.1 | 99.4 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 100 | .1 | 43.3 | 73.1 | 89.3 | 90.9 | 93.9 | 94.0 | 97.7 | 98.5 | 98.9 | 99.0 | 99.1 | 99.4 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 0 | .1 | 43.3 | 73.1 | 89.3 | 90.9 | 94.0 | 94.1 | 97.7 | 98.5 | 98.9 | 99.0 | 99.1 | 99.4 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 3537

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: JAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: APR HOURS(DST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|---------|-----------|-----------|-----------|-----------|------------|------------|------------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 1/2 | GE 1/4 | GE 1/8 | GE 3/16 | GE 1/16 | GE 1/32 |
| NO CEIL | | 16.7 | 44.8 | 56.9 | 57.6 | 59.6 | 59.5 | 63.3 | 53.3 | 64.3 | 64.3 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| GE 20000 | | 19.2 | 51.5 | 54.3 | 65.5 | 67.5 | 67.5 | 71.4 | 71.4 | 72.4 | 72.4 | 72.7 | 72.7 | 72.9 | 72.9 | 72.9 |
| GE 18000 | | 19.2 | 51.5 | 64.3 | 65.5 | 67.5 | 67.5 | 71.4 | 71.4 | 72.4 | 72.4 | 72.7 | 72.7 | 72.9 | 72.9 | 72.9 |
| GE 16000 | | 19.2 | 51.5 | 64.3 | 65.5 | 67.5 | 67.5 | 71.4 | 71.4 | 72.4 | 72.4 | 72.7 | 72.7 | 72.9 | 72.9 | 72.9 |
| GE 14000 | .2 | 19.7 | 52.2 | 65.3 | 66.3 | 68.2 | 68.2 | 72.2 | 72.2 | 73.2 | 73.2 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5 |
| GE 12000 | .2 | 20.7 | 54.7 | 68.7 | 69.5 | 71.4 | 71.4 | 75.4 | 75.4 | 76.4 | 76.4 | 76.6 | 76.6 | 76.9 | 76.9 | 76.9 |
| GE 10000 | .2 | 20.7 | 54.7 | 68.7 | 69.5 | 71.4 | 71.4 | 75.4 | 75.4 | 76.4 | 76.4 | 76.6 | 76.6 | 76.9 | 76.9 | 76.9 |
| GE 9000 | .2 | 20.7 | 54.7 | 68.7 | 69.5 | 71.4 | 71.4 | 75.4 | 75.4 | 76.4 | 76.4 | 76.6 | 76.6 | 76.9 | 76.9 | 76.9 |
| GE 8000 | .2 | 20.7 | 54.7 | 68.7 | 69.5 | 71.4 | 71.4 | 75.4 | 75.4 | 76.4 | 76.4 | 76.6 | 76.6 | 76.9 | 76.9 | 76.9 |
| GE 7000 | .2 | 20.7 | 54.7 | 68.7 | 69.5 | 71.4 | 71.4 | 75.4 | 75.4 | 76.4 | 76.4 | 76.6 | 76.6 | 76.9 | 76.9 | 76.9 |
| GE 6000 | .2 | 20.7 | 54.7 | 68.7 | 69.5 | 71.4 | 71.4 | 75.4 | 75.4 | 76.4 | 76.4 | 76.6 | 76.6 | 76.9 | 76.9 | 76.9 |
| GE 5000 | .2 | 38.7 | 72.7 | 85.7 | 87.4 | 89.4 | 89.4 | 93.3 | 93.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 |
| GE 4500 | .2 | 38.7 | 72.7 | 86.7 | 87.4 | 89.4 | 89.4 | 93.3 | 93.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 |
| GE 4000 | .2 | 38.7 | 72.7 | 86.7 | 87.4 | 89.4 | 89.4 | 93.3 | 93.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 |
| GE 3500 | .2 | 38.7 | 72.7 | 86.7 | 87.4 | 89.4 | 89.4 | 93.3 | 93.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 |
| GE 3000 | .2 | 38.7 | 72.7 | 86.7 | 87.4 | 89.4 | 89.4 | 93.3 | 93.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 |
| GE 2500 | .2 | 38.7 | 72.7 | 86.7 | 87.4 | 89.4 | 89.4 | 93.3 | 93.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 |
| GE 2000 | .2 | 38.7 | 72.7 | 86.7 | 87.4 | 89.4 | 89.4 | 93.3 | 93.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 |
| GE 1800 | .2 | 38.7 | 72.9 | 86.9 | 87.7 | 89.7 | 89.7 | 93.6 | 93.6 | 94.6 | 94.6 | 94.8 | 94.8 | 95.1 | 95.1 | 95.1 |
| GE 1500 | .2 | 38.7 | 72.9 | 87.4 | 88.2 | 90.1 | 90.1 | 94.1 | 94.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 1200 | .2 | 38.9 | 74.4 | 89.4 | 90.1 | 92.1 | 92.1 | 96.1 | 96.1 | 97.0 | 97.0 | 97.3 | 97.3 | 97.5 | 97.5 | 97.5 |
| GE 1000 | .2 | 39.2 | 75.4 | 90.4 | 91.1 | 93.1 | 93.1 | 97.0 | 97.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 |
| GE 900 | .2 | 39.2 | 75.4 | 90.4 | 91.1 | 93.1 | 93.1 | 97.0 | 97.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 |
| GE 800 | .2 | 39.2 | 75.6 | 90.5 | 91.4 | 93.3 | 93.3 | 97.3 | 97.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.8 | 98.8 | 98.8 |
| GE 700 | .2 | 39.2 | 75.6 | 90.5 | 91.4 | 93.3 | 93.3 | 97.3 | 97.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.8 | 98.8 | 98.8 |
| GE 600 | .2 | 39.4 | 76.4 | 91.4 | 92.1 | 94.1 | 94.1 | 98.0 | 98.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 |
| GE 500 | .2 | 39.4 | 76.4 | 91.4 | 92.1 | 94.1 | 94.1 | 98.0 | 98.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 |
| GE 400 | .2 | 39.4 | 76.4 | 91.4 | 92.1 | 94.1 | 94.1 | 98.0 | 98.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 |
| GE 300 | .2 | 39.4 | 76.4 | 91.4 | 92.1 | 94.1 | 94.1 | 98.0 | 98.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 |
| GE 200 | .2 | 39.4 | 76.4 | 91.4 | 92.1 | 94.1 | 94.1 | 98.0 | 98.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 |
| GE 100 | .2 | 39.4 | 76.4 | 91.4 | 92.1 | 94.1 | 94.1 | 98.0 | 98.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 |
| GE 0 | .2 | 39.4 | 76.4 | 91.4 | 92.1 | 94.1 | 94.1 | 98.0 | 98.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 |

TOTAL NUMBER OF OBSERVATIONS: 436

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: APR HOURS(LST): 1300-2000

| CEILINGS IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------------------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|---------|--------|
| | GE 10 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3/16 | GE 1/8 |
| NO CELL | 33.9 | 45.9 | 53.9 | 54.8 | 57.4 | 57.6 | 61.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.4 | 63.0 | 63.7 | 63.7 | 63.7 |
| GE 20000 | 38.9 | 56.5 | 66.1 | 67.2 | 73.2 | 73.4 | 74.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.4 | 75.1 | 75.7 | 75.7 | 75.7 |
| GE 18000 | 38.9 | 56.5 | 66.1 | 67.2 | 73.2 | 73.4 | 74.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.4 | 75.1 | 75.7 | 75.7 | 76.7 |
| GE 16000 | 38.9 | 56.5 | 66.1 | 67.2 | 73.2 | 73.4 | 74.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.4 | 75.1 | 75.7 | 75.7 | 76.7 |
| GE 14000 | 38.9 | 56.5 | 66.1 | 67.2 | 73.2 | 73.4 | 74.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.4 | 75.1 | 75.7 | 75.7 | 75.7 |
| GE 12000 | 41.5 | 59.8 | 70.2 | 71.5 | 75.2 | 75.4 | 79.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.4 | 81.1 | 81.7 | 81.7 | 81.7 |
| GE 10000 | 41.5 | 59.8 | 70.2 | 71.5 | 75.2 | 75.4 | 79.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.4 | 81.1 | 81.7 | 81.7 | 81.7 |
| GE 9000 | 41.5 | 59.8 | 70.2 | 71.5 | 75.2 | 75.4 | 79.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.4 | 81.1 | 81.7 | 81.7 | 81.7 |
| GE 8000 | 41.5 | 59.8 | 70.2 | 71.5 | 75.2 | 75.4 | 79.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.4 | 81.1 | 81.7 | 81.7 | 81.7 |
| GE 7000 | 41.5 | 59.8 | 70.2 | 71.5 | 75.2 | 75.4 | 79.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.4 | 81.1 | 81.7 | 81.7 | 81.7 |
| GE 6000 | 41.5 | 59.8 | 70.2 | 71.5 | 75.2 | 75.4 | 79.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.4 | 81.1 | 81.7 | 81.7 | 81.7 |
| GE 5000 | 56.5 | 74.8 | 85.2 | 86.5 | 90.2 | 90.4 | 94.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.1 | 95.7 | 95.7 | 95.7 |
| GE 4500 | 56.5 | 74.8 | 85.2 | 86.5 | 90.2 | 90.4 | 94.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.1 | 95.7 | 95.7 | 95.7 |
| GE 4000 | 56.5 | 74.8 | 85.2 | 86.5 | 90.2 | 90.4 | 94.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.1 | 95.7 | 95.7 | 95.7 |
| GE 3500 | 56.5 | 74.8 | 85.2 | 86.5 | 90.2 | 90.4 | 94.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.1 | 95.7 | 95.7 | 95.7 |
| GE 3000 | 56.5 | 74.8 | 85.2 | 86.5 | 90.2 | 90.4 | 94.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.1 | 95.7 | 95.7 | 95.7 |
| GE 2500 | 56.5 | 74.8 | 85.2 | 86.5 | 90.2 | 90.4 | 94.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.1 | 95.7 | 95.7 | 95.7 |
| GE 2000 | 56.5 | 74.8 | 85.2 | 86.5 | 90.2 | 90.4 | 94.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.1 | 95.7 | 95.7 | 95.7 |
| GE 1800 | 56.5 | 74.8 | 85.2 | 86.5 | 90.2 | 90.4 | 94.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.1 | 95.7 | 95.7 | 95.7 |
| GE 1500 | 56.5 | 74.8 | 85.2 | 87.0 | 90.7 | 90.9 | 94.6 | 95.7 | 95.7 | 95.7 | 95.9 | 95.5 | 95.5 | 97.2 | 97.2 | 97.2 |
| GE 1200 | 57.2 | 75.7 | 86.5 | 87.8 | 91.5 | 91.7 | 95.4 | 95.5 | 95.5 | 96.5 | 96.7 | 97.4 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 1000 | 57.8 | 76.3 | 87.2 | 88.5 | 92.2 | 92.4 | 96.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.4 | 98.0 | 98.7 | 98.7 | 98.7 |
| GE 900 | 57.8 | 76.3 | 87.2 | 88.5 | 92.2 | 92.4 | 96.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.4 | 98.0 | 98.7 | 98.7 | 98.7 |
| GE 800 | 58.0 | 76.5 | 87.4 | 88.7 | 92.4 | 92.5 | 96.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 98.3 | 98.7 | 98.7 | 98.7 |
| GE 700 | 58.0 | 76.5 | 87.4 | 88.7 | 92.4 | 92.6 | 96.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 98.3 | 98.7 | 98.7 | 98.7 |
| GE 600 | 58.5 | 77.4 | 88.5 | 89.6 | 93.3 | 93.5 | 97.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 99.1 | 99.3 | 99.3 | 99.3 |
| GE 500 | 58.5 | 77.4 | 88.5 | 89.6 | 93.3 | 93.5 | 97.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 99.1 | 99.3 | 99.3 | 99.3 |
| GE 400 | 58.5 | 77.4 | 88.5 | 89.8 | 93.5 | 93.7 | 97.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 |
| GE 300 | 58.5 | 77.4 | 88.5 | 89.8 | 93.5 | 93.7 | 97.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 |
| GE 200 | 58.5 | 77.4 | 88.5 | 89.8 | 93.5 | 93.7 | 97.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 |
| GE 100 | 58.5 | 77.4 | 88.5 | 89.8 | 93.5 | 93.7 | 97.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 |
| GE 0 | 58.5 | 77.4 | 88.5 | 89.8 | 93.5 | 93.7 | 97.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.7 | 99.3 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 450

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: APR 433RSLSLST: 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/15 | GE 1/4 | GE 0 |
| NO CEIL | 31.0 | 46.4 | 55.4 | 56.8 | 58.9 | 58.9 | 62.3 | 63.2 | 63.7 | 63.7 | 65.7 | 65.9 | 64.8 | 64.8 | 65.1 | |
| GE 20000 | 34.7 | 52.9 | 63.4 | 64.8 | 65.9 | 66.9 | 73.3 | 71.3 | 71.7 | 71.7 | 71.7 | 72.0 | 72.9 | 72.9 | 73.1 | 73.1 |
| GE 18000 | 34.7 | 52.9 | 63.4 | 64.8 | 65.9 | 66.9 | 70.3 | 71.3 | 71.7 | 71.7 | 71.7 | 72.0 | 72.9 | 72.9 | 73.1 | 73.1 |
| GE 16000 | 34.7 | 52.9 | 63.4 | 64.8 | 65.9 | 66.9 | 73.3 | 71.3 | 71.7 | 71.7 | 71.7 | 72.0 | 72.9 | 72.9 | 73.1 | 73.1 |
| GE 14000 | 34.9 | 53.1 | 63.7 | 65.1 | 67.1 | 67.1 | 70.5 | 71.5 | 72.0 | 72.0 | 72.0 | 72.2 | 73.1 | 73.1 | 73.3 | 73.3 |
| GE 12000 | 36.8 | 55.4 | 66.2 | 67.8 | 69.9 | 69.9 | 73.3 | 74.3 | 74.7 | 74.7 | 74.7 | 74.9 | 75.9 | 75.9 | 75.1 | 75.1 |
| GE 10000 | 36.8 | 55.4 | 66.2 | 67.8 | 70.1 | 70.1 | 73.6 | 74.5 | 74.9 | 74.9 | 74.9 | 74.9 | 75.2 | 75.1 | 76.1 | 75.3 |
| GE 8000 | 36.8 | 55.4 | 66.2 | 67.8 | 70.1 | 70.1 | 73.6 | 74.5 | 74.9 | 74.9 | 74.9 | 74.9 | 75.2 | 75.1 | 75.1 | 75.3 |
| GE 7000 | 36.8 | 55.4 | 66.2 | 67.8 | 70.1 | 70.1 | 73.6 | 74.5 | 74.9 | 74.9 | 74.9 | 74.9 | 75.2 | 75.1 | 75.1 | 75.3 |
| GE 6000 | 36.8 | 55.4 | 66.2 | 67.8 | 70.1 | 70.1 | 73.6 | 74.5 | 74.9 | 74.9 | 74.9 | 74.9 | 75.2 | 75.1 | 75.1 | 75.3 |
| GE 5000 | 57.9 | 76.6 | 87.4 | 89.0 | 91.3 | 91.3 | 94.7 | 95.6 | 95.1 | 95.1 | 96.1 | 96.1 | 95.3 | 97.2 | 97.2 | 97.5 |
| GE 4500 | 57.9 | 76.6 | 87.4 | 89.0 | 91.3 | 91.3 | 94.7 | 95.6 | 95.1 | 95.1 | 96.1 | 96.1 | 95.3 | 97.2 | 97.2 | 97.5 |
| GE 4000 | 57.9 | 76.6 | 87.4 | 89.0 | 91.3 | 91.3 | 94.7 | 95.6 | 95.1 | 95.1 | 96.1 | 96.1 | 95.3 | 97.2 | 97.2 | 97.5 |
| GE 3500 | 57.9 | 76.6 | 87.4 | 89.0 | 91.3 | 91.3 | 94.7 | 95.6 | 95.1 | 95.1 | 96.1 | 96.1 | 95.3 | 97.2 | 97.2 | 97.5 |
| GE 3000 | 57.9 | 76.6 | 87.4 | 89.0 | 91.3 | 91.3 | 94.7 | 95.6 | 95.1 | 95.1 | 96.1 | 96.1 | 95.3 | 97.2 | 97.2 | 97.5 |
| GE 2500 | 57.9 | 76.6 | 87.4 | 89.0 | 91.3 | 91.3 | 94.7 | 95.6 | 95.1 | 95.1 | 96.1 | 96.1 | 95.3 | 97.2 | 97.2 | 97.5 |
| GE 2000 | 58.2 | 76.8 | 87.5 | 89.4 | 91.7 | 91.7 | 95.2 | 95.1 | 95.6 | 96.6 | 96.6 | 96.6 | 95.8 | 97.7 | 97.7 | 97.9 |
| GE 1800 | 58.2 | 76.8 | 87.5 | 89.4 | 91.7 | 91.7 | 95.2 | 95.1 | 95.6 | 96.6 | 96.6 | 96.6 | 95.8 | 97.7 | 97.7 | 97.9 |
| GE 1500 | 58.4 | 77.0 | 87.3 | 89.7 | 92.4 | 92.4 | 95.9 | 96.8 | 97.2 | 97.2 | 97.2 | 97.2 | 97.5 | 98.4 | 98.4 | 98.5 |
| GE 1200 | 58.6 | 77.5 | 88.3 | 90.1 | 92.9 | 92.9 | 96.3 | 97.2 | 97.7 | 97.7 | 97.7 | 97.7 | 97.9 | 98.9 | 98.9 | 99.1 |
| GE 1000 | 58.6 | 77.5 | 88.3 | 90.1 | 92.9 | 92.9 | 96.3 | 97.2 | 97.7 | 97.7 | 97.7 | 97.7 | 97.9 | 98.9 | 98.9 | 99.1 |
| GE 800 | 58.6 | 77.7 | 88.3 | 90.3 | 93.1 | 93.1 | 96.6 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 98.2 | 99.1 | 99.1 | 99.3 |
| GE 700 | 58.6 | 77.7 | 88.3 | 90.3 | 93.1 | 93.1 | 96.6 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 98.2 | 99.1 | 99.1 | 99.3 |
| GE 600 | 59.1 | 78.4 | 89.2 | 91.0 | 93.8 | 93.8 | 97.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.9 | 99.3 | 99.3 | 100.0 |
| GE 500 | 59.1 | 78.4 | 89.2 | 91.0 | 93.8 | 93.8 | 97.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.9 | 99.3 | 99.3 | 100.0 |
| GE 400 | 59.1 | 78.4 | 89.2 | 91.0 | 93.8 | 93.8 | 97.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.9 | 99.3 | 99.3 | 100.0 |
| GE 300 | 59.1 | 78.4 | 89.2 | 91.0 | 93.8 | 93.8 | 97.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.9 | 99.3 | 99.3 | 100.0 |
| GE 200 | 59.1 | 78.4 | 89.2 | 91.0 | 93.8 | 93.8 | 97.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.9 | 99.3 | 99.3 | 100.0 |
| GE 100 | 59.1 | 78.4 | 89.2 | 91.0 | 93.8 | 93.8 | 97.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.9 | 99.3 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 435

GLOBAL CLIMATOLOGY BRANCH
 USAF/DTAG
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: APR HOURS (LST): 1200-1400

| CEILING IN FEET | 1 | VISIBILITY IN STATUTE MILES | | | | | | | | VISIBILITY IN STATUTE MILES | | | | | | | |
|-----------------------|----|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-----------------------------|---------|-----------|-----------|-----------|------------|-----------|--|
| | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | |
| NO CEIL | .2 | 29.6 | 46.2 | 54.4 | 55.3 | 57.3 | 57.5 | 61.1 | 61.9 | 62.2 | 62.4 | 62.4 | 63.1 | 63.7 | 63.7 | 63.7 | |
| GE 20000 | .2 | 35.4 | 56.0 | 65.7 | 66.8 | 69.2 | 69.5 | 73.2 | 74.1 | 74.3 | 74.6 | 74.6 | 75.2 | 75.9 | 75.9 | 75.9 | |
| GE 18000 | .2 | 35.4 | 56.0 | 65.7 | 66.8 | 69.2 | 69.5 | 73.2 | 74.1 | 74.3 | 74.6 | 74.6 | 75.2 | 75.9 | 75.9 | 75.9 | |
| GE 16000 | .2 | 35.4 | 56.0 | 65.7 | 66.8 | 69.2 | 69.5 | 73.2 | 74.1 | 74.3 | 74.6 | 74.6 | 75.2 | 75.9 | 75.9 | 75.9 | |
| GE 14000 | .2 | 35.6 | 56.4 | 66.4 | 67.3 | 69.9 | 69.9 | 73.7 | 74.5 | 74.8 | 75.0 | 75.0 | 75.7 | 75.3 | 75.3 | 75.3 | |
| GE 12000 | .2 | 37.6 | 58.6 | 69.2 | 70.1 | 72.6 | 72.9 | 76.5 | 77.4 | 77.7 | 77.9 | 77.9 | 78.5 | 79.2 | 79.2 | 79.2 | |
| GE 10000 | .2 | 37.6 | 58.6 | 69.2 | 70.1 | 72.6 | 72.9 | 76.5 | 77.4 | 77.7 | 77.9 | 77.9 | 78.5 | 79.2 | 79.2 | 79.2 | |
| GE 9000 | .2 | 37.6 | 58.6 | 69.2 | 70.1 | 72.6 | 72.9 | 76.5 | 77.4 | 77.7 | 77.9 | 77.9 | 78.5 | 79.2 | 79.2 | 79.2 | |
| GE 8000 | .2 | 37.6 | 58.6 | 69.2 | 70.1 | 72.6 | 72.9 | 76.5 | 77.4 | 77.7 | 77.9 | 77.9 | 78.5 | 79.2 | 79.2 | 79.2 | |
| GE 7000 | .2 | 37.6 | 58.6 | 69.2 | 70.1 | 72.6 | 72.9 | 76.5 | 77.4 | 77.7 | 77.9 | 77.9 | 78.5 | 79.2 | 79.2 | 79.2 | |
| GE 6000 | .2 | 37.6 | 58.6 | 69.2 | 70.1 | 72.6 | 72.9 | 76.5 | 77.4 | 77.7 | 77.9 | 77.9 | 78.5 | 79.2 | 79.2 | 79.2 | |
| GE 5000 | .2 | 52.7 | 73.7 | 84.3 | 85.2 | 87.6 | 87.8 | 91.6 | 92.5 | 92.7 | 92.9 | 92.9 | 93.5 | 94.2 | 94.2 | 94.2 | |
| GE 4500 | .2 | 52.7 | 73.7 | 84.3 | 85.2 | 87.6 | 87.8 | 91.6 | 92.5 | 92.7 | 92.9 | 92.9 | 93.5 | 94.2 | 94.2 | 94.2 | |
| GE 4000 | .2 | 52.7 | 73.7 | 84.3 | 85.2 | 87.6 | 87.8 | 91.6 | 92.5 | 92.7 | 92.9 | 92.9 | 93.5 | 94.2 | 94.2 | 94.2 | |
| GE 3500 | .2 | 52.7 | 73.7 | 84.3 | 85.2 | 87.6 | 87.8 | 91.6 | 92.5 | 92.7 | 92.9 | 92.9 | 93.5 | 94.2 | 94.2 | 94.2 | |
| GE 3000 | .2 | 52.7 | 73.7 | 84.3 | 85.2 | 87.6 | 87.8 | 91.6 | 92.5 | 92.7 | 92.9 | 92.9 | 93.5 | 94.2 | 94.2 | 94.2 | |
| GE 2500 | .2 | 52.7 | 73.9 | 84.3 | 85.4 | 87.8 | 88.1 | 91.8 | 92.7 | 92.9 | 93.1 | 93.1 | 93.8 | 94.5 | 94.5 | 94.5 | |
| GE 2000 | .2 | 52.9 | 74.1 | 84.7 | 86.1 | 88.5 | 88.7 | 92.5 | 93.4 | 93.6 | 93.8 | 93.8 | 94.5 | 95.1 | 95.1 | 95.1 | |
| GE 1800 | .2 | 52.9 | 74.1 | 84.7 | 86.1 | 88.5 | 88.7 | 92.5 | 93.4 | 93.6 | 93.8 | 93.8 | 94.5 | 95.1 | 95.1 | 95.1 | |
| GE 1500 | .2 | 53.5 | 74.8 | 85.4 | 86.7 | 89.2 | 89.4 | 93.1 | 94.0 | 94.2 | 94.5 | 94.5 | 95.1 | 95.3 | 95.3 | 95.3 | |
| GE 1200 | .2 | 54.6 | 76.5 | 87.2 | 88.5 | 90.9 | 91.2 | 94.9 | 95.8 | 96.0 | 96.2 | 96.2 | 95.9 | 97.5 | 97.5 | 97.5 | |
| GE 1000 | .2 | 55.6 | 77.9 | 88.5 | 89.8 | 92.3 | 92.5 | 96.2 | 97.1 | 97.3 | 97.5 | 97.8 | 93.5 | 99.1 | 99.1 | 99.1 | |
| GE 900 | .2 | 55.8 | 77.9 | 88.5 | 89.8 | 92.3 | 92.5 | 96.2 | 97.1 | 97.3 | 97.5 | 97.8 | 93.5 | 99.1 | 99.1 | 99.1 | |
| GE 800 | .2 | 55.8 | 77.9 | 88.5 | 89.8 | 92.3 | 92.7 | 92.9 | 96.7 | 97.6 | 97.8 | 98.0 | 98.2 | 93.9 | 99.5 | 99.5 | |
| GE 700 | .2 | 55.6 | 77.9 | 88.5 | 89.8 | 92.3 | 92.7 | 92.9 | 96.7 | 97.6 | 97.8 | 98.0 | 98.2 | 93.9 | 99.5 | 99.5 | |
| GE 600 | .2 | 56.0 | 78.3 | 89.4 | 90.7 | 93.1 | 93.4 | 97.1 | 93.0 | 93.2 | 93.5 | 98.7 | 97.3 | 100.0 | 100.0 | 100.0 | |
| GE 500 | .2 | 56.0 | 78.3 | 89.4 | 90.7 | 93.1 | 93.4 | 97.1 | 93.0 | 93.2 | 93.5 | 98.7 | 97.3 | 100.0 | 100.0 | 100.0 | |
| GE 400 | .2 | 56.0 | 78.3 | 89.4 | 90.7 | 93.1 | 93.4 | 97.1 | 93.0 | 93.2 | 93.5 | 98.7 | 97.3 | 100.0 | 100.0 | 100.0 | |
| GE 300 | .2 | 56.0 | 78.3 | 89.4 | 90.7 | 93.1 | 93.4 | 97.1 | 93.0 | 93.2 | 93.5 | 98.7 | 97.3 | 100.0 | 100.0 | 100.0 | |
| GE 200 | .2 | 56.0 | 78.3 | 89.4 | 90.7 | 93.1 | 93.4 | 97.1 | 93.0 | 93.2 | 93.5 | 98.7 | 97.3 | 100.0 | 100.0 | 100.0 | |
| GE 100 | .2 | 56.0 | 78.3 | 89.4 | 90.7 | 93.1 | 93.4 | 97.1 | 93.0 | 93.2 | 93.5 | 98.7 | 97.3 | 100.0 | 100.0 | 100.0 | |
| GE 0 | .2 | 56.0 | 78.3 | 89.4 | 90.7 | 93.1 | 93.4 | 97.1 | 93.0 | 93.2 | 93.5 | 98.7 | 97.3 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 462

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 61541 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85

MONTH: APR HOUR(S): 0000-1100

| CEILING IN FEET | VISIBILITY IN 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 |
| NO CELL | 23.6 | 39.7 | 51.4 | 52.1 | 53.8 | 53.8 | 55.7 | 56.6 | 57.1 | 57.1 | 57.1 | 57.1 | 57.3 | 57.5 | 57.5 | 57.5 |
| GE 20000 | 27.8 | 46.0 | 59.7 | 60.4 | 62.0 | 62.0 | 63.9 | 64.9 | 65.3 | 65.3 | 65.3 | 65.3 | 65.5 | 65.3 | 66.0 | 65.5 |
| GE 18000 | 27.8 | 46.0 | 59.7 | 60.4 | 62.0 | 62.0 | 63.9 | 64.9 | 65.3 | 65.3 | 65.3 | 65.3 | 65.5 | 65.3 | 66.0 | 65.5 |
| GE 16000 | 27.8 | 46.0 | 59.7 | 60.4 | 62.0 | 62.0 | 63.9 | 64.9 | 65.3 | 65.3 | 65.3 | 65.3 | 65.5 | 65.3 | 66.0 | 65.5 |
| GE 14000 | 26.1 | 46.2 | 59.7 | 60.6 | 62.3 | 62.3 | 64.2 | 65.1 | 65.6 | 65.6 | 65.6 | 65.6 | 65.9 | 65.3 | 65.3 | 65.5 |
| GE 12000 | 30.2 | 50.7 | 65.3 | 66.5 | 68.4 | 68.4 | 70.3 | 71.2 | 71.7 | 71.7 | 71.7 | 71.7 | 71.9 | 72.4 | 72.4 | 72.5 |
| GE 10000 | 30.4 | 50.9 | 65.3 | 66.7 | 68.6 | 68.6 | 70.5 | 71.5 | 71.9 | 71.9 | 71.9 | 71.9 | 72.2 | 72.5 | 72.5 | 72.9 |
| GE 9000 | 30.4 | 50.9 | 65.3 | 66.7 | 68.6 | 68.6 | 70.5 | 71.5 | 71.9 | 71.9 | 71.9 | 71.9 | 72.2 | 72.5 | 72.5 | 72.9 |
| GE 8000 | 30.4 | 50.9 | 65.3 | 66.7 | 68.6 | 68.6 | 70.5 | 71.5 | 71.9 | 71.9 | 71.9 | 71.9 | 72.2 | 72.5 | 72.5 | 72.9 |
| GE 7000 | 30.4 | 50.9 | 65.3 | 66.7 | 68.6 | 68.6 | 70.5 | 71.5 | 71.9 | 71.9 | 71.9 | 71.9 | 72.2 | 72.5 | 72.5 | 72.9 |
| GE 6000 | 30.4 | 50.9 | 65.3 | 66.7 | 68.6 | 68.6 | 70.5 | 71.5 | 71.9 | 71.9 | 71.9 | 71.9 | 72.2 | 72.5 | 72.5 | 72.9 |
| GE 5000 | 50.2 | 70.8 | 85.4 | 86.6 | 88.4 | 88.4 | 90.3 | 91.3 | 91.7 | 91.7 | 91.7 | 91.7 | 92.0 | 92.5 | 92.5 | 92.7 |
| GE 4500 | 50.2 | 70.8 | 85.4 | 86.6 | 88.4 | 88.4 | 90.3 | 91.3 | 91.7 | 91.7 | 91.7 | 91.7 | 92.0 | 92.5 | 92.5 | 92.7 |
| GE 4000 | 50.2 | 71.0 | 85.3 | 86.8 | 88.7 | 88.7 | 90.6 | 91.5 | 92.0 | 92.0 | 92.0 | 92.0 | 92.2 | 92.7 | 92.7 | 92.9 |
| GE 3500 | 50.2 | 71.0 | 85.3 | 86.8 | 88.7 | 88.7 | 90.6 | 91.5 | 92.0 | 92.0 | 92.0 | 92.0 | 92.2 | 92.7 | 92.7 | 92.9 |
| GE 3000 | 50.2 | 71.0 | 85.3 | 86.8 | 88.7 | 88.7 | 90.6 | 91.5 | 92.0 | 92.0 | 92.0 | 92.0 | 92.2 | 92.7 | 92.7 | 92.9 |
| GE 2500 | 50.2 | 71.0 | 85.3 | 86.8 | 88.7 | 88.7 | 90.6 | 91.5 | 92.0 | 92.0 | 92.0 | 92.0 | 92.2 | 92.7 | 92.7 | 92.9 |
| GE 2000 | 50.2 | 71.2 | 85.3 | 87.0 | 88.9 | 88.9 | 90.8 | 91.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.5 | 92.9 | 92.9 | 93.2 |
| GE 1800 | 50.2 | 71.2 | 85.3 | 87.0 | 88.9 | 88.9 | 90.8 | 91.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.5 | 92.9 | 92.9 | 93.2 |
| GE 1500 | 50.2 | 71.5 | 86.1 | 87.3 | 89.2 | 89.2 | 91.0 | 92.0 | 92.5 | 92.5 | 92.5 | 92.5 | 92.7 | 93.2 | 93.2 | 93.4 |
| GE 1200 | 51.9 | 74.1 | 88.7 | 89.9 | 91.7 | 91.7 | 93.6 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.3 | 95.3 | 95.9 | 95.3 |
| GE 1000 | 52.6 | 75.7 | 90.3 | 91.7 | 93.9 | 93.9 | 95.8 | 96.7 | 97.2 | 97.2 | 97.2 | 97.2 | 97.4 | 97.9 | 97.9 | 98.1 |
| GE 900 | 52.6 | 75.7 | 90.3 | 91.7 | 93.9 | 93.9 | 95.8 | 96.7 | 97.2 | 97.2 | 97.2 | 97.2 | 97.4 | 97.9 | 97.9 | 98.1 |
| GE 800 | 52.6 | 75.9 | 91.3 | 92.7 | 94.8 | 94.8 | 96.7 | 97.6 | 98.1 | 98.1 | 98.1 | 98.1 | 98.3 | 98.3 | 98.9 | 98.1 |
| GE 700 | 52.8 | 76.2 | 91.3 | 92.9 | 95.0 | 95.0 | 96.9 | 97.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.1 | 98.1 | 98.3 |
| GE 600 | 52.8 | 76.2 | 91.7 | 93.2 | 95.3 | 95.3 | 97.2 | 98.1 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 98.3 | 98.3 | 98.5 |
| GE 500 | 52.8 | 76.2 | 92.1 | 93.4 | 95.8 | 95.8 | 97.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 98.3 | 98.8 | 100.0 |
| GE 400 | 52.8 | 76.2 | 92.1 | 93.4 | 95.8 | 95.8 | 97.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 98.3 | 98.8 | 100.0 |
| GE 300 | 52.8 | 76.2 | 92.1 | 93.4 | 95.8 | 95.8 | 97.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 98.3 | 98.8 | 100.0 |
| GE 200 | 52.8 | 76.2 | 92.1 | 93.4 | 95.8 | 95.8 | 97.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 98.3 | 98.8 | 100.0 |
| GE 100 | 52.8 | 76.2 | 92.1 | 93.4 | 95.8 | 95.8 | 97.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 98.3 | 98.8 | 100.0 |
| GE 0 | 52.8 | 76.2 | 92.1 | 93.4 | 95.8 | 95.8 | 97.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 98.3 | 98.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 424

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: APR HOURS(EST): 0600-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | |
| NO CEIL | 12.9 | 42.8 | 50.3 | 61.8 | 65.3 | 65.3 | 68.8 | 59.4 | 69.4 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | |
| GE 2000 | 14.8 | 48.0 | 56.3 | 68.1 | 71.8 | 71.8 | 75.5 | 76.2 | 76.2 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | |
| GE 1800 | 14.8 | 48.0 | 56.3 | 68.1 | 71.8 | 71.8 | 75.5 | 76.2 | 76.2 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | |
| GE 1600 | 14.8 | 48.0 | 56.3 | 68.1 | 71.8 | 71.8 | 75.5 | 76.2 | 76.2 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | |
| GE 1400 | 15.1 | 48.3 | 56.3 | 69.3 | 72.1 | 72.1 | 75.8 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | |
| GE 1200 | 16.6 | 52.4 | 72.1 | 73.6 | 77.5 | 77.5 | 81.2 | 81.9 | 81.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | |
| GE 1000 | 16.6 | 52.4 | 72.1 | 73.6 | 77.5 | 77.5 | 81.2 | 81.9 | 81.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | |
| GE 900 | 16.6 | 52.4 | 72.1 | 73.6 | 77.5 | 77.5 | 81.2 | 81.9 | 81.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | |
| GE 800 | 16.6 | 52.4 | 72.1 | 73.6 | 77.5 | 77.5 | 81.2 | 81.9 | 81.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | |
| GE 700 | 16.6 | 52.4 | 72.1 | 73.6 | 77.5 | 77.5 | 81.2 | 81.9 | 81.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | |
| GE 600 | 16.6 | 52.4 | 72.1 | 73.6 | 77.5 | 77.5 | 81.2 | 81.9 | 81.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | |
| GE 500 | 25.8 | 61.6 | 81.2 | 82.8 | 86.7 | 86.7 | 90.4 | 91.0 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | |
| GE 450 | 25.8 | 61.6 | 81.2 | 82.8 | 86.7 | 86.7 | 90.4 | 91.0 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | |
| GE 400 | 25.8 | 61.6 | 81.2 | 82.8 | 86.7 | 86.7 | 90.4 | 91.0 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | |
| GE 350 | 25.8 | 61.6 | 81.2 | 82.8 | 86.7 | 86.7 | 90.4 | 91.0 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | |
| GE 300 | 25.8 | 61.6 | 81.2 | 82.8 | 86.7 | 86.7 | 90.4 | 91.0 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | |
| GE 250 | 25.8 | 61.6 | 81.2 | 82.8 | 86.7 | 86.7 | 90.4 | 91.0 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | |
| GE 200 | 25.8 | 61.6 | 81.2 | 82.8 | 86.7 | 86.7 | 90.4 | 91.0 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | |
| GE 180 | 25.8 | 61.6 | 81.2 | 82.8 | 86.7 | 86.7 | 90.4 | 91.0 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | |
| GE 150 | 25.8 | 61.6 | 81.2 | 82.8 | 86.7 | 86.7 | 90.4 | 91.0 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | |
| GE 120 | 26.0 | 62.2 | 82.3 | 84.3 | 88.2 | 88.2 | 91.9 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | |
| GE 100 | 26.4 | 64.0 | 85.4 | 86.9 | 90.8 | 90.8 | 94.5 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | |
| GE 90 | 26.4 | 64.0 | 85.4 | 86.9 | 90.8 | 90.8 | 94.5 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | |
| GE 80 | 26.6 | 64.2 | 85.3 | 87.3 | 91.3 | 91.3 | 95.0 | 95.6 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | |
| GE 70 | 26.6 | 64.4 | 86.3 | 87.6 | 91.5 | 91.5 | 95.2 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | |
| GE 60 | 26.9 | 65.5 | 87.1 | 88.6 | 92.5 | 92.5 | 96.5 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | |
| GE 50 | 26.9 | 65.9 | 88.4 | 90.0 | 93.9 | 93.9 | 98.0 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | |
| GE 40 | 26.9 | 65.9 | 88.4 | 90.0 | 93.9 | 93.9 | 98.0 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | |
| GE 30 | 26.9 | 65.9 | 88.4 | 90.0 | 93.9 | 93.9 | 98.0 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | |
| GE 20 | 26.9 | 65.9 | 88.4 | 90.0 | 93.9 | 93.9 | 98.0 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | |
| GE 10 | 26.9 | 65.9 | 88.4 | 90.0 | 93.9 | 93.9 | 98.0 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | |
| GE 0 | 26.9 | 65.9 | 88.4 | 90.0 | 93.9 | 93.9 | 98.0 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | |

TOTAL NUMBER OF OBSERVATIONS: 458

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 016410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: MAY HOURS(LOCAL): 2100-2300

| CEILING IN FEET | J 1 | GE 10 | SE 6 | GE 5 | GE 4 | GE 3 | SE 2 1/2 | VISIBILITY IN STATUTE MILES | | | | | | | | | | | |
|-----------------------|--------|----------|---------|---------|---------|---------|-------------|-----------------------------|-------|-------|---------|------|------|-----------|------|-----------|-------|-------|-------|
| | | | | | | | | SE 2 | 1 1/2 | 1 1/4 | SE 1 | 3/4 | 5/8 | SE 1/2 | 5/16 | SE 1/4 | SE | | |
| NO CEIL | 1 | | 10.7 | 39.1 | 52.2 | 54.9 | 58.7 | 59.2 | 61.8 | 62.3 | 62.3 | 62.5 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| GE 20000 | | | 11.8 | 41.5 | 55.3 | 58.5 | 62.7 | 63.2 | 65.9 | 65.3 | 65.3 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 18000 | | | 11.8 | 41.5 | 55.3 | 58.5 | 62.7 | 63.2 | 65.9 | 65.3 | 65.3 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 16000 | | | 11.8 | 41.5 | 55.3 | 58.5 | 62.7 | 63.2 | 65.9 | 65.3 | 65.3 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 14000 | .2 | | 12.1 | 42.0 | 56.3 | 58.9 | 63.2 | 65.6 | 66.3 | 65.7 | 65.7 | 67.0 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 12000 | .2 | | 12.5 | 48.4 | 55.3 | 69.0 | 73.2 | 73.7 | 76.6 | 77.0 | 77.0 | 77.2 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 |
| GE 10000 | .2 | | 12.5 | 48.4 | 55.3 | 69.0 | 73.2 | 73.7 | 76.6 | 77.0 | 77.0 | 77.2 | 77.5 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 |
| GE 9000 | .2 | | 12.5 | 48.4 | 55.3 | 69.0 | 73.2 | 73.7 | 76.6 | 77.0 | 77.0 | 77.2 | 77.5 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 |
| GE 8000 | .2 | | 12.5 | 48.4 | 55.3 | 69.0 | 73.2 | 73.7 | 76.6 | 77.0 | 77.0 | 77.2 | 77.5 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 |
| GE 7000 | .2 | | 12.5 | 48.4 | 55.3 | 69.0 | 73.2 | 73.7 | 76.6 | 77.0 | 77.0 | 77.2 | 77.5 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 |
| GE 6000 | .2 | | 12.5 | 48.4 | 55.3 | 69.0 | 73.2 | 73.7 | 76.6 | 77.0 | 77.0 | 77.2 | 77.5 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 |
| GE 5000 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 4500 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 4000 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 3500 | .7 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 3000 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 2500 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 2000 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 1800 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 1600 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 1400 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 1200 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 1000 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 900 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 800 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 700 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 600 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 500 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 400 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 300 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 200 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 100 | .2 | | 30.4 | 66.3 | 83.7 | 86.8 | 91.1 | 91.5 | 94.4 | 94.9 | 94.9 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 |
| GE 0 | .2 | | 30.8 | 69.9 | 87.5 | 90.8 | 95.1 | 95.5 | 98.7 | 99.1 | 99.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 448

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAAAR SENEGAL

PERIOD OF RECORD: 75-85
MONTH: MAY HOURS(IST): ALL

| CEILING IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|----------|---------|---------|---------|---------|-------------|-----------------------------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|----|
| | | | | | | | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/15 | GE 1/4 | |
| NO CEIL | .0 | 16.7 | 40.1 | 51.3 | 53.8 | 56.7 | 57.0 | 58.8 | 59.5 | 59.6 | 59.7 | 59.8 | 59.9 | 59.9 | 60.0 | 5 |
| GE 20000 | .0 | 16.9 | 45.2 | 58.7 | 60.9 | 64.1 | 64.5 | 66.5 | 67.2 | 67.4 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 5 |
| GE 18000 | .0 | 18.9 | 45.2 | 58.7 | 60.9 | 64.1 | 64.5 | 66.5 | 67.2 | 67.4 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 5 |
| GE 16000 | .0 | 18.9 | 45.2 | 58.7 | 60.9 | 64.2 | 64.5 | 66.5 | 67.2 | 67.4 | 67.5 | 67.5 | 67.7 | 67.7 | 67.8 | 5 |
| GE 14000 | .1 | 18.9 | 45.5 | 59.1 | 61.2 | 64.6 | 64.9 | 67.0 | 67.6 | 67.8 | 67.9 | 68.0 | 68.0 | 68.1 | 68.2 | 5 |
| GE 12000 | .1 | 21.0 | 51.9 | 68.1 | 70.7 | 74.4 | 74.8 | 77.1 | 77.7 | 78.0 | 78.0 | 78.1 | 78.3 | 78.3 | 78.3 | 7 |
| GE 10000 | .1 | 21.0 | 51.9 | 68.2 | 70.7 | 74.4 | 74.8 | 77.1 | 77.8 | 78.0 | 78.1 | 78.1 | 78.3 | 78.3 | 78.4 | 7 |
| GE 9000 | .1 | 21.0 | 51.9 | 68.2 | 70.7 | 74.4 | 74.8 | 77.1 | 77.8 | 78.0 | 78.1 | 78.1 | 78.3 | 78.3 | 78.4 | 7 |
| GE 8000 | .1 | 21.0 | 51.9 | 68.2 | 70.7 | 74.4 | 74.8 | 77.1 | 77.8 | 78.0 | 78.1 | 78.1 | 78.3 | 78.3 | 78.4 | 7 |
| GE 7000 | .1 | 21.0 | 51.9 | 68.2 | 70.7 | 74.4 | 74.8 | 77.1 | 77.8 | 78.0 | 78.1 | 78.1 | 78.3 | 78.3 | 78.4 | 7 |
| GE 6000 | .1 | 21.0 | 51.9 | 68.2 | 70.7 | 74.4 | 74.8 | 77.1 | 77.8 | 78.0 | 78.1 | 78.1 | 78.3 | 78.3 | 78.4 | 7 |
| GE 5000 | .1 | 37.9 | 68.9 | 85.1 | 87.7 | 91.3 | 91.8 | 94.1 | 94.7 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | 95.3 | 9 |
| GE 4500 | .1 | 37.9 | 68.9 | 85.1 | 87.7 | 91.3 | 91.8 | 94.1 | 94.7 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | 95.3 | 9 |
| GE 4000 | .1 | 37.9 | 68.9 | 85.1 | 87.7 | 91.3 | 91.8 | 94.1 | 94.7 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | 95.3 | 9 |
| GE 3500 | .1 | 37.9 | 68.9 | 85.1 | 87.7 | 91.3 | 91.8 | 94.1 | 94.7 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | 95.3 | 9 |
| GE 3000 | .1 | 37.9 | 68.9 | 85.1 | 87.7 | 91.3 | 91.8 | 94.1 | 94.7 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | 95.3 | 9 |
| GE 2500 | .1 | 37.9 | 68.9 | 85.1 | 87.7 | 91.3 | 91.8 | 94.1 | 94.7 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | 95.3 | 9 |
| GE 2000 | .1 | 37.9 | 68.9 | 85.1 | 87.7 | 91.3 | 91.8 | 94.1 | 94.7 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | 95.3 | 9 |
| GE 1800 | .1 | 37.9 | 68.9 | 85.1 | 87.7 | 91.3 | 91.8 | 94.1 | 94.7 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | 95.3 | 9 |
| GE 1500 | .1 | 38.1 | 69.1 | 85.3 | 87.9 | 91.6 | 92.0 | 94.3 | 95.0 | 95.2 | 95.3 | 95.3 | 95.5 | 95.5 | 95.6 | 9 |
| GE 1200 | .1 | 38.3 | 70.2 | 86.3 | 89.1 | 92.8 | 93.2 | 95.5 | 95.2 | 95.4 | 95.5 | 95.5 | 95.7 | 95.7 | 95.8 | 9 |
| GE 1000 | .1 | 38.7 | 71.3 | 87.5 | 90.3 | 94.0 | 94.5 | 96.8 | 97.4 | 97.6 | 97.7 | 97.8 | 98.0 | 98.0 | 98.1 | 9 |
| GE 900 | .1 | 38.7 | 71.3 | 87.7 | 90.4 | 94.0 | 94.5 | 96.8 | 97.4 | 97.7 | 97.7 | 97.8 | 98.0 | 98.0 | 98.1 | 9 |
| GE 800 | .1 | 38.9 | 72.0 | 88.4 | 91.2 | 94.9 | 95.3 | 97.7 | 98.3 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 9 |
| GE 700 | .1 | 39.0 | 72.2 | 88.5 | 91.4 | 95.1 | 95.5 | 97.9 | 98.5 | 98.7 | 98.8 | 98.8 | 98.9 | 99.1 | 99.1 | 9 |
| GE 600 | .1 | 39.1 | 72.7 | 89.2 | 92.3 | 95.7 | 96.1 | 98.4 | 99.1 | 99.3 | 99.4 | 99.4 | 99.5 | 99.7 | 99.9 | 9 |
| GE 500 | .1 | 39.1 | 72.7 | 89.3 | 92.3 | 95.7 | 95.2 | 98.5 | 99.2 | 99.4 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 9 |
| GE 400 | .1 | 39.1 | 72.7 | 89.3 | 92.3 | 95.7 | 95.2 | 98.6 | 99.2 | 99.4 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 9 |
| GE 300 | .1 | 39.1 | 72.7 | 89.3 | 92.3 | 95.7 | 96.2 | 98.6 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 9 |
| GE 200 | .1 | 39.1 | 72.7 | 89.3 | 92.1 | 95.8 | 96.2 | 98.6 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 100.0 | 10 |
| GE 100 | .1 | 39.1 | 72.7 | 89.3 | 92.1 | 95.8 | 96.2 | 98.6 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 100.0 | 10 |

TOTAL NUMBER OF OBSERVATIONS: 3752

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS(LST): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/4 | GE 1/4 |
| NO CEIL | | 18.9 | 45.7 | 49.3 | 49.8 | 51.1 | 51.1 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| GE 20000 | 20.8 | 51.4 | 55.3 | 55.7 | 57.3 | 57.3 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| GE 18000 | 20.8 | 51.4 | 55.3 | 55.7 | 57.3 | 57.3 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| GE 16000 | 21.2 | 51.4 | 55.7 | 56.4 | 58.0 | 58.0 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| GE 14000 | 24.9 | 63.5 | 69.7 | 70.8 | 72.8 | 72.8 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 12000 | 24.9 | 63.5 | 69.7 | 70.8 | 72.8 | 72.8 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 10000 | 24.9 | 63.5 | 69.7 | 70.8 | 72.8 | 72.8 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 9000 | 24.9 | 63.5 | 69.7 | 70.8 | 72.8 | 72.8 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 8000 | 24.9 | 63.5 | 69.7 | 70.8 | 72.8 | 72.8 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 7000 | 24.9 | 63.5 | 69.7 | 70.8 | 72.8 | 72.8 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 6000 | 24.9 | 63.5 | 69.7 | 70.8 | 72.8 | 72.8 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 5000 | 33.1 | 71.7 | 78.1 | 79.0 | 81.1 | 81.1 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 4500 | 33.1 | 71.7 | 78.1 | 79.0 | 81.1 | 81.1 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 4000 | 33.1 | 71.7 | 78.1 | 79.0 | 81.1 | 81.1 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 3500 | 33.1 | 71.7 | 78.1 | 79.0 | 81.1 | 81.1 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 3000 | 33.1 | 72.1 | 78.5 | 79.5 | 81.5 | 81.5 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 2500 | 33.1 | 72.1 | 78.5 | 79.5 | 81.5 | 81.5 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 2000 | 33.1 | 72.1 | 78.5 | 79.5 | 81.5 | 81.5 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 1800 | 33.1 | 72.1 | 78.5 | 79.5 | 81.5 | 81.5 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 1500 | 34.5 | 74.9 | 81.3 | 82.2 | 84.2 | 84.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 1200 | 36.8 | 81.3 | 88.4 | 89.3 | 91.3 | 91.3 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 1000 | 39.7 | 87.0 | 94.7 | 95.9 | 97.9 | 97.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 900 | 39.7 | 87.0 | 94.7 | 95.9 | 97.9 | 97.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 800 | 40.2 | 87.9 | 95.7 | 96.8 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 40.2 | 87.9 | 95.7 | 96.8 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 40.2 | 87.9 | 95.7 | 96.8 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 40.2 | 87.9 | 95.7 | 96.8 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | 40.2 | 87.9 | 95.7 | 96.8 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 40.2 | 87.9 | 95.7 | 96.8 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 40.2 | 87.9 | 95.7 | 96.8 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 40.2 | 87.9 | 95.7 | 96.8 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 0 | 40.2 | 87.9 | 95.7 | 96.8 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS: 458

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS(EST): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | |
| NO CEIL | .3 | 19.6 | 46.0 | 50.3 | 50.9 | 52.3 | 52.3 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| GE 20000 | .3 | 21.0 | 49.7 | 54.3 | 55.1 | 55.8 | 56.8 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| GE 18000 | .3 | 21.0 | 49.7 | 54.3 | 55.1 | 55.8 | 56.8 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| GE 16000 | .3 | 21.0 | 49.7 | 54.3 | 55.1 | 55.8 | 56.8 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| GE 14000 | .3 | 21.0 | 50.3 | 55.7 | 56.0 | 57.7 | 57.7 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| GE 12000 | .3 | 25.9 | 62.8 | 69.3 | 69.6 | 71.9 | 71.9 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 10000 | .3 | 25.9 | 63.4 | 69.9 | 70.2 | 72.4 | 72.4 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 9000 | .3 | 25.9 | 63.4 | 69.9 | 70.2 | 72.4 | 72.4 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 8000 | .3 | 25.9 | 63.4 | 69.9 | 70.2 | 72.4 | 72.4 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 7000 | .3 | 25.9 | 63.4 | 69.9 | 70.2 | 72.4 | 72.4 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 6000 | .3 | 25.9 | 63.4 | 69.9 | 70.2 | 72.4 | 72.4 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 5000 | .3 | 32.1 | 69.6 | 76.1 | 76.4 | 78.7 | 78.7 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 4500 | .3 | 32.1 | 69.6 | 76.1 | 76.4 | 78.7 | 78.7 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 4000 | .3 | 32.1 | 69.6 | 76.1 | 76.4 | 78.7 | 78.7 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 3500 | .3 | 32.1 | 69.6 | 76.1 | 76.4 | 78.7 | 78.7 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 3000 | .3 | 32.1 | 69.6 | 76.1 | 76.4 | 78.7 | 78.7 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 2500 | .3 | 32.1 | 69.6 | 76.1 | 76.4 | 78.7 | 78.7 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 2000 | .3 | 32.1 | 69.6 | 76.1 | 76.4 | 78.7 | 78.7 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 1800 | .3 | 32.1 | 69.6 | 76.1 | 76.4 | 78.7 | 78.7 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 1500 | .3 | 33.8 | 73.0 | 79.3 | 79.8 | 82.1 | 82.1 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 1200 | .3 | 36.1 | 79.3 | 86.5 | 86.9 | 89.2 | 89.2 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 1000 | .3 | 39.5 | 87.2 | 95.5 | 95.7 | 98.0 | 98.0 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 900 | .3 | 39.5 | 87.2 | 95.5 | 95.7 | 98.0 | 98.0 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 800 | .3 | 40.3 | 88.4 | 96.5 | 96.9 | 99.1 | 99.1 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | .3 | 40.3 | 88.4 | 96.5 | 96.9 | 99.1 | 99.1 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | .3 | 40.6 | 88.6 | 96.7 | 97.2 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | .3 | 40.6 | 88.6 | 96.7 | 97.2 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | .3 | 40.6 | 88.6 | 96.7 | 97.2 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | .3 | 40.6 | 88.6 | 96.7 | 97.2 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | .3 | 40.6 | 88.6 | 96.7 | 97.2 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | .3 | 40.6 | 88.6 | 96.7 | 97.2 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | .3 | 40.6 | 88.6 | 96.7 | 97.2 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 352

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILINGS VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS (LST): 0500-0300

| CEILING IN FLEET | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------------------|--|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|-------|
| | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 1/4 | GE 1/4 | GE |
| NO CEIL | | 17.5 | 36.6 | 41.5 | 42.1 | 43.2 | 43.2 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| GE 20000 | | .2 | 19.8 | 43.9 | 50.1 | 57.6 | 52.0 | 52.0 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| GE 18000 | | .2 | 19.8 | 43.9 | 50.1 | 57.6 | 52.0 | 52.0 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| GE 16000 | | .2 | 19.8 | 44.1 | 50.3 | 50.8 | 52.2 | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| GE 14000 | | .2 | 20.0 | 45.1 | 51.3 | 51.7 | 53.1 | 53.1 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| GE 12000 | | .2 | 27.4 | 61.8 | 71.5 | 72.2 | 73.5 | 73.5 | 73.8 | 73.8 | 73.8 | 73.8 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 10000 | | .2 | 27.4 | 61.8 | 71.5 | 72.2 | 73.6 | 73.6 | 73.8 | 73.8 | 73.8 | 73.8 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 9000 | | .2 | 27.4 | 61.8 | 71.5 | 72.2 | 73.6 | 73.6 | 73.8 | 73.8 | 73.8 | 73.8 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 8000 | | .2 | 27.4 | 61.8 | 71.5 | 72.2 | 73.4 | 73.6 | 73.8 | 73.8 | 73.8 | 73.8 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 7000 | | .2 | 27.4 | 61.8 | 71.5 | 72.2 | 73.6 | 73.6 | 73.8 | 73.8 | 73.8 | 73.8 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 6000 | | .2 | 27.4 | 61.8 | 71.5 | 72.2 | 73.6 | 73.6 | 73.8 | 73.8 | 73.8 | 73.8 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 5000 | | .2 | 36.6 | 71.0 | 80.7 | 81.4 | 82.8 | 82.8 | 83.0 | 83.0 | 83.0 | 83.0 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 4500 | | .2 | 36.6 | 71.0 | 80.7 | 81.4 | 82.8 | 82.8 | 83.0 | 83.0 | 83.0 | 83.0 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 4000 | | .2 | 36.6 | 71.0 | 80.7 | 81.4 | 82.8 | 82.8 | 83.0 | 83.0 | 83.0 | 83.0 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 3500 | | .2 | 36.6 | 71.0 | 80.7 | 81.4 | 82.8 | 82.8 | 83.0 | 83.0 | 83.0 | 83.0 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 3000 | | .2 | 36.6 | 71.5 | 81.1 | 81.8 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 2500 | | .2 | 36.6 | 71.5 | 81.1 | 81.8 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 2000 | | .2 | 36.8 | 71.7 | 81.4 | 82.1 | 83.4 | 83.4 | 83.7 | 83.7 | 83.7 | 83.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 1800 | | .2 | 36.8 | 71.7 | 81.4 | 82.1 | 83.4 | 83.4 | 83.7 | 83.7 | 83.7 | 83.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 1500 | | .2 | 38.2 | 74.3 | 84.1 | 84.8 | 86.2 | 86.2 | 86.4 | 86.4 | 86.4 | 86.4 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 1200 | | .2 | 40.7 | 80.0 | 89.9 | 90.5 | 92.0 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 1000 | | .2 | 42.8 | 85.7 | 95.9 | 96.8 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 900 | | .2 | 42.8 | 85.7 | 95.9 | 96.8 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 800 | | .2 | 43.7 | 87.1 | 97.2 | 98.2 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | | .2 | 43.7 | 87.1 | 97.2 | 98.2 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | | .2 | 43.7 | 87.1 | 97.2 | 98.2 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | | .2 | 43.7 | 87.1 | 97.2 | 98.2 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | | .2 | 43.7 | 87.1 | 97.2 | 98.2 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | | .2 | 43.7 | 87.1 | 97.2 | 98.2 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | | .2 | 43.7 | 87.1 | 97.2 | 98.2 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | | .2 | 43.7 | 87.1 | 97.2 | 98.2 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 01 | | .2 | 43.7 | 87.1 | 97.2 | 98.2 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 618410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(IST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | .3 | 19.4 | 27.6 | 30.3 | 33.4 | 31.8 | 31.8 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 |
| GE 20000 | .3 | 26.0 | 39.3 | 43.3 | 43.8 | 44.8 | 44.8 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| GE 18000 | .3 | 26.0 | 39.3 | 43.3 | 43.8 | 44.8 | 44.8 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| GE 16000 | .3 | 26.0 | 39.3 | 43.3 | 43.8 | 44.8 | 44.8 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| GE 14000 | .3 | 27.9 | 41.6 | 45.2 | 46.2 | 47.2 | 47.2 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| GE 12000 | .3 | 41.1 | 60.5 | 66.3 | 66.3 | 67.4 | 67.4 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 10000 | .3 | 41.1 | 60.7 | 66.3 | 66.6 | 67.6 | 67.6 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 9000 | .3 | 41.1 | 60.7 | 66.3 | 66.6 | 67.6 | 67.6 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 8000 | .3 | 41.1 | 60.7 | 66.3 | 66.6 | 67.6 | 67.6 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 7000 | .3 | 41.1 | 60.7 | 66.3 | 66.6 | 67.6 | 67.6 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 6000 | .3 | 41.1 | 60.7 | 66.3 | 66.6 | 67.6 | 67.6 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 5000 | .3 | 55.4 | 75.1 | 80.3 | 80.9 | 82.0 | 82.0 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 4500 | .3 | 55.4 | 75.1 | 80.3 | 80.9 | 82.0 | 82.0 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 4000 | .3 | 55.4 | 75.1 | 80.3 | 80.9 | 82.0 | 82.0 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 3500 | .3 | 55.4 | 75.1 | 80.3 | 80.9 | 82.0 | 82.0 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 3000 | .3 | 55.4 | 75.1 | 80.3 | 80.9 | 82.0 | 82.0 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 2500 | .3 | 55.4 | 75.1 | 80.3 | 80.9 | 82.0 | 82.0 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 2000 | .3 | 56.2 | 75.9 | 81.4 | 81.7 | 82.8 | 82.8 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 1800 | .3 | 56.2 | 75.9 | 81.4 | 81.7 | 82.8 | 82.8 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 1500 | .3 | 59.9 | 81.2 | 87.3 | 87.5 | 88.6 | 88.6 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 1200 | .5 | 64.5 | 87.5 | 94.7 | 95.3 | 95.3 | 95.3 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 1000 | .5 | 67.1 | 90.2 | 97.3 | 97.6 | 98.7 | 98.7 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 900 | .5 | 67.1 | 90.2 | 97.3 | 97.6 | 98.7 | 98.7 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 800 | .5 | 67.1 | 90.2 | 97.3 | 97.6 | 98.7 | 98.7 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 700 | .8 | 67.4 | 90.5 | 97.3 | 97.9 | 98.9 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | .8 | 67.4 | 90.5 | 97.3 | 97.9 | 98.9 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | .8 | 67.4 | 90.5 | 97.3 | 97.9 | 98.9 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | .8 | 67.4 | 90.5 | 97.3 | 97.9 | 98.9 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300 | .8 | 67.4 | 90.5 | 97.3 | 97.9 | 98.9 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 200 | .8 | 67.4 | 90.5 | 97.3 | 97.9 | 98.9 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 100 | .8 | 67.4 | 90.5 | 97.3 | 97.9 | 98.9 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS: 377

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILINGS VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(ULT): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | 29.1 | 40.2 | 42.4 | 42.9 | 43.6 | 43.6 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| GE 18000 | | 36.3 | 51.0 | 54.2 | 54.9 | 55.5 | 55.5 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| GE 16000 | | 36.3 | 51.0 | 54.2 | 54.9 | 55.5 | 55.5 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| GE 14000 | | 37.0 | 51.9 | 55.1 | 55.9 | 56.4 | 56.4 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| GE 12000 | | 46.7 | 65.0 | 68.4 | 69.1 | 69.8 | 69.8 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 10000 | | 46.7 | 65.0 | 68.4 | 69.1 | 69.8 | 69.8 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 9000 | | 46.7 | 65.0 | 68.4 | 69.1 | 69.8 | 69.8 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 8000 | | 46.7 | 65.0 | 68.4 | 69.1 | 69.8 | 69.8 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 7000 | | 46.7 | 65.0 | 68.4 | 69.1 | 69.8 | 69.8 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 6000 | | 46.7 | 65.0 | 68.4 | 69.1 | 69.8 | 69.8 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 5000 | | 57.8 | 76.1 | 79.5 | 80.1 | 80.8 | 80.8 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 4500 | | 57.8 | 76.1 | 79.5 | 80.1 | 80.8 | 80.8 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 4000 | | 57.8 | 76.1 | 79.5 | 80.1 | 80.8 | 80.8 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 3500 | | 57.8 | 76.1 | 79.5 | 80.1 | 80.8 | 80.8 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 3000 | | 58.0 | 76.3 | 79.7 | 80.4 | 81.0 | 81.0 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 2500 | | 58.0 | 76.3 | 79.7 | 80.4 | 81.0 | 81.0 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 2000 | | 58.5 | 77.4 | 80.3 | 81.5 | 82.2 | 82.2 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 1800 | | 58.7 | 77.7 | 81.0 | 81.7 | 82.4 | 82.4 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 1500 | .2 | 65.9 | 87.4 | 90.7 | 91.4 | 92.1 | 92.1 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| GE 1200 | .2 | 64.2 | 90.5 | 94.1 | 94.8 | 95.7 | 95.7 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 1000 | .2 | 70.9 | 93.2 | 97.1 | 97.7 | 98.6 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | .2 | 70.9 | 93.2 | 97.1 | 97.7 | 98.6 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | .2 | 70.9 | 93.2 | 97.1 | 97.7 | 98.6 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | .2 | 70.9 | 93.2 | 97.1 | 97.7 | 98.6 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | .2 | 70.9 | 93.2 | 97.1 | 97.7 | 98.6 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | .2 | 70.9 | 93.2 | 97.1 | 97.7 | 98.6 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | .2 | 70.9 | 93.2 | 97.1 | 97.7 | 98.6 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | .2 | 70.9 | 93.2 | 97.1 | 97.7 | 98.6 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | .2 | 70.9 | 93.2 | 97.1 | 97.7 | 98.6 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | .2 | 70.9 | 93.2 | 97.1 | 97.7 | 98.6 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | .2 | 70.9 | 93.2 | 97.1 | 97.7 | 98.6 | 98.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 443

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/NAAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 016410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUN HOURS(EST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|-----|------|-------|-------|------|-------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 16 |
| NO CEIL | | | 35.3 | 44.0 | 46.3 | 46.6 | 47.6 | 47.5 | 48.4 | 48.4 | 48.4 | 48.4 | 48.7 | 48.7 | 48.7 | 48.7 | 49.0 | |
| GE 20000 | | | 43.5 | 54.7 | 57.5 | 57.9 | 58.9 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 60.2 |
| GE 18000 | | | 43.5 | 54.7 | 57.5 | 57.9 | 58.9 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 60.2 |
| GE 16000 | | | 43.5 | 54.7 | 57.5 | 57.9 | 58.9 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 60.2 |
| GE 14000 | | | 44.2 | 56.0 | 58.7 | 59.7 | 60.2 | 60.2 | 61.0 | 61.0 | 61.0 | 61.0 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.5 |
| GE 12000 | | | 53.1 | 67.0 | 69.7 | 70.2 | 71.2 | 71.2 | 72.0 | 72.0 | 72.0 | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 |
| GE 10000 | | | 53.1 | 67.0 | 69.7 | 70.2 | 71.2 | 71.2 | 72.0 | 72.0 | 72.0 | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 |
| GE 9000 | | | 53.1 | 67.0 | 69.7 | 70.2 | 71.2 | 71.2 | 72.0 | 72.0 | 72.0 | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 |
| GE 8000 | | | 53.1 | 67.0 | 69.7 | 70.2 | 71.2 | 71.2 | 72.0 | 72.0 | 72.0 | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 |
| GE 7000 | | | 53.1 | 67.0 | 69.7 | 70.2 | 71.2 | 71.2 | 72.0 | 72.0 | 72.0 | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 |
| GE 6000 | | | 53.1 | 67.0 | 69.7 | 70.2 | 71.2 | 71.2 | 72.0 | 72.0 | 72.0 | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 |
| GE 5000 | | | 66.0 | 79.8 | 82.7 | 83.0 | 84.0 | 84.0 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 85.1 | 85.1 | 85.1 | 85.1 | 85.3 |
| GE 4500 | | | 66.0 | 79.8 | 82.7 | 83.0 | 84.0 | 84.0 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 85.1 | 85.1 | 85.1 | 85.1 | 85.3 |
| GE 4000 | | | 66.0 | 79.8 | 82.7 | 83.0 | 84.0 | 84.0 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 85.1 | 85.1 | 85.1 | 85.1 | 85.3 |
| GE 3500 | | | 66.0 | 79.8 | 82.7 | 83.0 | 84.0 | 84.0 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 85.1 | 85.1 | 85.1 | 85.1 | 85.3 |
| GE 3000 | | | 66.2 | 80.1 | 83.0 | 83.2 | 84.3 | 84.3 | 85.1 | 85.1 | 85.1 | 85.1 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.5 |
| GE 2500 | | | 66.2 | 80.1 | 83.2 | 83.5 | 84.6 | 84.6 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.6 | 85.6 | 85.6 | 85.6 | 85.9 |
| GE 2000 | | | 66.8 | 80.9 | 84.0 | 84.3 | 85.3 | 85.3 | 86.1 | 86.1 | 86.1 | 86.1 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.5 |
| GE 1800 | | | 66.8 | 80.9 | 84.0 | 84.3 | 85.3 | 85.3 | 86.6 | 86.6 | 86.6 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.2 |
| GE 1500 | .3 | | 71.2 | 86.9 | 90.5 | 90.8 | 92.1 | 92.1 | 93.5 | 93.5 | 93.5 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 94.1 |
| GE 1200 | .3 | | 73.6 | 89.8 | 94.0 | 94.2 | 95.5 | 95.5 | 97.1 | 97.1 | 97.1 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 |
| GE 1000 | .3 | | 75.7 | 91.9 | 96.1 | 96.3 | 97.6 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| GE 900 | .3 | | 75.7 | 91.9 | 96.1 | 96.3 | 97.6 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| GE 800 | .3 | | 75.7 | 91.9 | 96.1 | 96.3 | 97.6 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| GE 700 | .3 | | 75.7 | 91.9 | 96.1 | 96.3 | 97.6 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| GE 600 | .3 | | 75.7 | 91.9 | 96.1 | 96.3 | 97.6 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| GE 500 | .3 | | 75.9 | 92.1 | 96.3 | 96.6 | 97.9 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 400 | .3 | | 75.9 | 92.1 | 96.3 | 96.6 | 97.9 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 300 | .3 | | 75.9 | 92.1 | 96.3 | 96.6 | 97.9 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 200 | .3 | | 75.9 | 92.1 | 96.3 | 96.6 | 97.9 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 100 | .3 | | 75.9 | 92.1 | 96.3 | 96.6 | 97.9 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE n] | .3 | | 75.9 | 92.1 | 96.3 | 96.6 | 97.9 | 97.9 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 332

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LST): 1900-2300

| CEILING IN FEET | 1 | VISIBILITY IN STATUTE MILES | | | | | | | | VISIBILITY IN STATUTE MILES | | | | | | | |
|-----------------------|---|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-----------------------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 1 | .5 | 26.5 | 35.0 | 38.3 | 38.5 | 38.7 | 38.7 | 39.7 | 39.9 | 40.4 | 40.4 | 40.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| GE 20000 | 1 | .5 | 33.8 | 45.8 | 49.5 | 49.8 | 50.3 | 50.3 | 50.9 | 51.2 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| GE 18000 | 1 | .5 | 33.8 | 45.8 | 49.5 | 49.8 | 50.3 | 50.3 | 50.9 | 51.2 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| GE 16000 | 1 | .5 | 33.8 | 45.8 | 49.5 | 49.8 | 50.0 | 50.0 | 50.9 | 51.2 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| GE 14000 | 1 | .5 | 35.9 | 48.1 | 51.9 | 52.1 | 52.3 | 52.3 | 53.3 | 53.5 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| GE 12000 | 1 | .5 | 44.4 | 59.6 | 64.1 | 64.3 | 64.8 | 64.8 | 65.7 | 65.7 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| GE 10000 | 1 | .5 | 44.4 | 59.6 | 64.1 | 64.3 | 64.8 | 64.8 | 65.7 | 65.7 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| GE 9000 | 1 | .5 | 44.4 | 59.6 | 64.1 | 64.3 | 64.8 | 64.8 | 65.7 | 65.7 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| GE 8000 | 1 | .5 | 44.4 | 59.6 | 64.1 | 64.3 | 64.8 | 64.8 | 65.7 | 65.7 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| GE 7000 | 1 | .5 | 44.4 | 59.6 | 64.1 | 64.3 | 64.8 | 64.8 | 65.7 | 65.7 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| GE 6000 | 1 | .5 | 44.4 | 59.6 | 64.1 | 64.3 | 64.8 | 64.8 | 65.7 | 65.7 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| GE 5000 | 1 | .5 | 55.9 | 71.1 | 75.5 | 75.8 | 75.8 | 76.3 | 77.2 | 77.5 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| GE 4500 | 1 | .5 | 55.9 | 71.1 | 75.5 | 75.8 | 76.3 | 76.3 | 77.2 | 77.5 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| GE 4000 | 1 | .5 | 55.9 | 71.1 | 75.5 | 75.8 | 76.3 | 76.3 | 77.2 | 77.5 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| GE 3500 | 1 | .5 | 55.9 | 71.1 | 75.5 | 75.8 | 76.3 | 76.3 | 77.2 | 77.5 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| GE 3000 | 1 | .5 | 56.1 | 71.6 | 76.1 | 76.3 | 76.8 | 76.8 | 77.7 | 77.9 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 2500 | 1 | .5 | 56.1 | 71.6 | 76.1 | 76.3 | 76.8 | 76.8 | 77.7 | 77.9 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 2000 | 1 | .5 | 57.0 | 72.8 | 77.5 | 77.7 | 78.2 | 78.2 | 79.1 | 79.3 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 1800 | 1 | .5 | 57.0 | 72.8 | 77.5 | 77.7 | 78.2 | 78.2 | 79.1 | 79.3 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 1600 | 1 | .5 | 64.6 | 81.0 | 85.7 | 85.9 | 85.4 | 85.4 | 87.6 | 87.8 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 1400 | 1 | .5 | 69.5 | 86.9 | 92.3 | 92.5 | 93.2 | 93.2 | 94.4 | 94.6 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 1000 | 1 | .5 | 72.8 | 91.5 | 96.5 | 96.9 | 97.7 | 97.7 | 98.8 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | 1 | .5 | 72.8 | 91.5 | 96.5 | 96.9 | 97.7 | 97.7 | 98.8 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | 1 | .5 | 73.0 | 91.5 | 96.7 | 97.2 | 97.9 | 97.9 | 99.1 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 1 | .5 | 73.0 | 91.5 | 96.7 | 97.2 | 97.9 | 97.9 | 99.1 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 1 | .5 | 73.0 | 91.5 | 96.7 | 97.2 | 97.9 | 97.9 | 99.1 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 1 | .5 | 73.0 | 91.5 | 96.7 | 97.2 | 97.9 | 97.9 | 99.1 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 1 | .5 | 73.0 | 91.5 | 96.7 | 97.2 | 97.9 | 97.9 | 99.1 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 1 | .5 | 73.0 | 91.5 | 96.7 | 97.2 | 97.9 | 97.9 | 99.1 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 1 | .5 | 73.0 | 91.5 | 96.7 | 97.2 | 97.9 | 97.9 | 99.1 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 1 | .5 | 73.0 | 91.5 | 96.7 | 97.2 | 97.9 | 97.9 | 99.1 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 1 | .5 | 73.0 | 91.5 | 96.7 | 97.2 | 97.9 | 97.9 | 99.1 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 426

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 73-94
MONTH: JUN DAYS (LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | |
| NO CEIL | | | 21.9 | 38.9 | 42.3 | 42.0 | 45.2 | 43.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| GE 20000 | | | 26.6 | 46.5 | 49.7 | 49.7 | 51.5 | 51.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| GE 18000 | | | 26.6 | 46.5 | 49.7 | 49.7 | 51.5 | 51.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| GE 16000 | | | 26.6 | 46.5 | 49.7 | 49.7 | 51.5 | 51.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| GE 14000 | | | 27.6 | 48.5 | 51.3 | 51.8 | 53.5 | 53.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 12000 | | | 32.7 | 57.5 | 61.3 | 62.1 | 64.3 | 64.3 | 65.3 | 65.3 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 10000 | | | 32.7 | 57.5 | 61.3 | 62.1 | 64.3 | 64.3 | 65.3 | 65.3 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 9000 | | | 32.7 | 57.5 | 61.3 | 62.1 | 64.3 | 64.3 | 65.3 | 65.3 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 8000 | | | 32.7 | 57.5 | 61.3 | 62.1 | 64.3 | 64.3 | 65.3 | 65.3 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 7000 | | | 32.7 | 57.5 | 61.3 | 62.1 | 64.3 | 64.3 | 65.3 | 65.3 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 6000 | | | 32.7 | 57.5 | 61.3 | 62.1 | 64.3 | 64.3 | 65.3 | 65.3 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 5000 | | | 48.0 | 72.9 | 77.1 | 77.4 | 79.6 | 79.6 | 80.7 | 80.7 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 4500 | | | 48.0 | 72.9 | 77.1 | 77.4 | 79.6 | 79.6 | 80.7 | 80.7 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 4000 | | | 48.2 | 73.1 | 77.4 | 77.6 | 79.9 | 79.9 | 80.9 | 80.9 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 3500 | | | 48.2 | 73.1 | 77.4 | 77.6 | 79.9 | 79.9 | 80.9 | 80.9 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 3000 | | | 48.5 | 73.6 | 77.7 | 78.1 | 80.4 | 80.4 | 81.4 | 81.4 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 2500 | | | 48.5 | 73.6 | 77.7 | 78.1 | 80.4 | 80.4 | 81.4 | 81.4 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 2000 | | | 48.7 | 73.9 | 78.1 | 78.4 | 80.7 | 80.7 | 81.7 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 1800 | | | 48.7 | 73.9 | 78.1 | 78.4 | 80.7 | 80.7 | 81.7 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 1500 | | | 50.0 | 76.6 | 81.4 | 81.7 | 83.9 | 83.9 | 84.9 | 84.9 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 1200 | | | 54.0 | 85.4 | 90.5 | 90.7 | 93.0 | 93.0 | 94.2 | 94.2 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 1000 | | | 57.3 | 90.2 | 95.7 | 96.0 | 98.2 | 98.2 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | | | 57.3 | 90.2 | 95.7 | 96.0 | 98.2 | 98.2 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | | | 57.5 | 90.5 | 96.3 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | | | 57.5 | 90.5 | 96.3 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | | | 57.5 | 90.5 | 96.3 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | | | 57.5 | 90.5 | 96.3 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | | | 57.5 | 90.5 | 96.3 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | | | 57.5 | 90.5 | 96.3 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | | | 57.5 | 90.5 | 96.3 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | | | 57.5 | 90.5 | 96.3 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | | | 57.5 | 90.5 | 96.3 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 378

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILINGS VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 618413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: JUN YEARS(LIST): ALL

| CEILING IN FEET | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|--|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|------|--|
| | | GL 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 | | |
| NO CEIL | | .1 | 23.5 | 39.2 | 42.5 | 42.9 | 43.9 | 43.9 | 44.7 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | |
| GE 20000 | | .2 | 28.5 | 47.8 | 51.9 | 52.2 | 53.4 | 53.4 | 54.2 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | |
| GE 18000 | | .2 | 28.5 | 47.8 | 51.9 | 52.2 | 53.4 | 53.4 | 54.2 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | |
| GE 16000 | | .2 | 28.5 | 47.8 | 51.9 | 52.2 | 53.4 | 53.4 | 54.2 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | |
| GE 14000 | | .2 | 29.4 | 49.2 | 53.3 | 53.6 | 54.3 | 54.8 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | |
| GE 12000 | | .2 | 37.0 | 62.2 | 67.3 | 68.1 | 69.6 | 69.6 | 70.3 | 70.3 | 70.4 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | |
| GE 10000 | | .2 | 37.0 | 62.3 | 67.7 | 68.2 | 69.6 | 69.6 | 70.4 | 70.4 | 70.5 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.7 | |
| GE 9000 | | .2 | 37.0 | 62.3 | 67.7 | 68.2 | 69.6 | 69.6 | 70.4 | 70.4 | 70.5 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.7 | |
| GE 8000 | | .2 | 37.0 | 62.3 | 67.7 | 68.2 | 69.6 | 69.6 | 70.4 | 70.4 | 70.5 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.7 | |
| GE 7000 | | .2 | 37.0 | 62.3 | 67.7 | 68.2 | 69.6 | 69.6 | 70.4 | 70.4 | 70.5 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.7 | |
| GE 6000 | | .2 | 37.0 | 62.3 | 67.7 | 68.2 | 69.6 | 69.6 | 70.4 | 70.4 | 70.5 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.7 | |
| GE 5000 | | .2 | 48.1 | 73.4 | 78.3 | 79.3 | 80.7 | 80.7 | 81.5 | 81.5 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | |
| GE 4500 | | .2 | 48.1 | 73.4 | 78.3 | 79.3 | 80.7 | 80.7 | 81.5 | 81.5 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | |
| GE 4000 | | .2 | 48.1 | 73.4 | 78.3 | 79.3 | 80.7 | 80.7 | 81.5 | 81.5 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | |
| GE 3500 | | .2 | 48.1 | 73.4 | 78.3 | 79.3 | 80.7 | 80.7 | 81.5 | 81.5 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | |
| GE 3000 | | .2 | 48.2 | 73.7 | 79.1 | 79.6 | 81.0 | 81.0 | 81.8 | 81.8 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.1 | |
| GE 2500 | | .2 | 48.2 | 73.7 | 79.2 | 79.6 | 81.0 | 81.0 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.1 | |
| GE 2000 | | .2 | 48.6 | 74.3 | 79.3 | 80.2 | 81.6 | 81.6 | 82.4 | 82.5 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.7 | |
| GE 1800 | | .2 | 48.7 | 74.3 | 79.3 | 80.3 | 81.5 | 81.5 | 82.5 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.8 | |
| GE 1500 | | .2 | 52.3 | 79.5 | 85.1 | 85.6 | 87.1 | 87.0 | 87.9 | 88.0 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | |
| GE 1200 | | .2 | 55.4 | 85.1 | 91.3 | 91.8 | 93.3 | 93.3 | 94.2 | 94.3 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | |
| GE 1000 | | .2 | 58.2 | 89.6 | 96.1 | 96.6 | 98.1 | 98.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | |
| GE 900 | | .2 | 58.2 | 89.6 | 96.1 | 96.6 | 98.1 | 98.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | |
| GE 800 | | .2 | 58.6 | 90.1 | 96.3 | 97.1 | 98.5 | 98.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | |
| GE 700 | | .3 | 58.6 | 90.1 | 96.3 | 97.2 | 98.6 | 98.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | |
| GE 600 | | .3 | 58.6 | 90.2 | 96.3 | 97.2 | 98.7 | 98.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | |
| GE 500 | | .3 | 58.7 | 90.2 | 96.7 | 97.2 | 98.7 | 98.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | |
| GE 450 | | .3 | 58.7 | 90.2 | 96.7 | 97.2 | 98.7 | 98.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | |
| GE 400 | | .3 | 58.7 | 90.2 | 96.7 | 97.2 | 98.7 | 98.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | |
| GE 300 | | .3 | 58.7 | 90.2 | 96.7 | 97.2 | 98.7 | 98.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | |
| GE 200 | | .3 | 58.7 | 90.2 | 96.7 | 97.2 | 98.7 | 98.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | |
| GE 100 | | .3 | 58.7 | 90.2 | 96.7 | 97.2 | 98.7 | 98.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | |

TOTAL NUMBER OF OBSERVATIONS: 5251

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: JULY HOURS(EST): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-----------|-----------|------------|-----------|-----------|------------|------------|------------|-------|
| | GE 1 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 | GE 1/16 | GE 1/32 | GE 1/64 | |
| 99 000 | 22 | 33.9 | 44.7 | 44.7 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| 99 000 | 22 | 41.1 | 53.3 | 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 | 53.5 |
| 99 000 | 22 | 41.1 | 53.3 | 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 | 53.5 |
| 99 000 | 22 | 41.3 | 53.5 | 53.5 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| 99 000 | 22 | 49.6 | 64.6 | 64.6 | 65.0 | 65.0 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| 99 000 | 22 | 49.8 | 65.0 | 65.0 | 65.4 | 65.4 | 65.4 | 65.4 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| 99 000 | 22 | 49.8 | 65.0 | 65.0 | 65.4 | 65.4 | 65.4 | 65.4 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| 99 000 | 22 | 49.8 | 65.0 | 65.0 | 65.4 | 65.4 | 65.4 | 65.4 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| 99 000 | 22 | 49.8 | 65.0 | 65.0 | 65.4 | 65.4 | 65.4 | 65.4 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| 99 000 | 22 | 56.7 | 72.0 | 72.0 | 72.4 | 72.4 | 72.4 | 72.4 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 99 000 | 22 | 56.7 | 72.0 | 72.0 | 72.4 | 72.4 | 72.4 | 72.4 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 99 000 | 22 | 56.7 | 72.0 | 72.0 | 72.4 | 72.4 | 72.4 | 72.4 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 99 000 | 22 | 56.7 | 72.0 | 72.0 | 72.4 | 72.4 | 72.4 | 72.4 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 99 000 | 22 | 57.5 | 72.8 | 72.8 | 73.4 | 73.4 | 73.4 | 73.4 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| 99 000 | 22 | 57.5 | 72.8 | 72.8 | 73.4 | 73.4 | 73.4 | 73.4 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| 99 000 | 22 | 58.3 | 73.6 | 73.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| 99 000 | 22 | 58.3 | 73.6 | 73.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| 99 000 | 22 | 66.9 | 83.1 | 83.1 | 83.7 | 83.7 | 83.7 | 83.7 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| 99 000 | 22 | 72.0 | 93.5 | 93.5 | 94.1 | 94.1 | 94.1 | 94.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 99 000 | 22 | 75.0 | 97.1 | 97.1 | 98.1 | 98.1 | 98.1 | 98.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 99 000 | 22 | 75.0 | 97.0 | 97.0 | 98.1 | 98.1 | 98.1 | 98.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 99 000 | 22 | 75.2 | 97.2 | 97.2 | 98.3 | 98.3 | 98.3 | 98.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 99 000 | 22 | 75.4 | 97.4 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 99 000 | 22 | 75.4 | 97.4 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 99 000 | 22 | 75.4 | 97.4 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 99 000 | 22 | 75.4 | 97.4 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 99 000 | 22 | 75.6 | 97.6 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99 000 | 22 | 75.6 | 97.6 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 442

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615417 STATION NAME: TAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(UTC): 1300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|-------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE | GE | |
| NO CEIL | | | | | | | | | | | | | | | | | | |
| GE 20000 | 36.3 | 44.6 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | |
| GE 18000 | 40.6 | 50.7 | 50.9 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | |
| GE 16000 | 40.6 | 50.7 | 50.9 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | |
| GE 14000 | 40.6 | 50.7 | 50.9 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | |
| GE 12000 | 51.2 | 64.9 | 65.3 | 65.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | |
| GE 10000 | 51.2 | 64.9 | 65.3 | 65.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | |
| GE 9000 | 51.2 | 64.9 | 65.3 | 65.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | |
| GE 8000 | 51.2 | 64.9 | 65.3 | 65.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | |
| GE 7000 | 51.2 | 64.9 | 65.3 | 65.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | |
| GE 6000 | 51.2 | 64.9 | 65.3 | 65.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | |
| GE 5000 | 59.2 | 72.6 | 73.3 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | |
| GE 4500 | 59.2 | 72.6 | 73.3 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | |
| GE 4000 | 59.2 | 72.9 | 73.3 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 74.1 | 74.1 | |
| GE 3500 | 59.2 | 72.9 | 73.3 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 74.1 | 74.1 | |
| GE 3000 | 61.1 | 75.2 | 76.2 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.7 | 76.7 | |
| GE 2500 | 61.1 | 75.2 | 76.2 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.7 | 76.7 | |
| GE 2000 | 61.6 | 76.4 | 77.4 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.8 | 77.8 | |
| GE 1800 | 61.6 | 76.4 | 77.4 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.8 | 77.8 | |
| GE 1500 | 68.6 | 84.9 | 85.3 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.3 | 86.3 | |
| GE 1200 | 75.2 | 94.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.8 | 95.8 | |
| GE 1000 | 78.5 | 97.6 | 98.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | |
| GE 900 | 78.5 | 97.6 | 98.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | |
| GE 800 | 78.5 | 97.9 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | |
| GE 700 | 78.5 | 97.9 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | |
| GE 600 | 78.5 | 97.9 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | |
| GE 500 | 78.5 | 97.9 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | |
| GE 400 | 78.5 | 97.9 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | |
| GE 300 | 78.5 | 97.9 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | |
| GE 200 | 78.5 | 97.9 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | |
| GE 100 | 78.5 | 97.9 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 424

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL 40RS(LST): 0501-1800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | GE 1 | GE 3 | GE 5 | GE 7 | GE 9 | GE 11/2 | GE 13 | GE 15 | GE 17 | GE 19 | GE 21 | GE 23 | GE 25 | GE 27 | GE 29 | GE 31 |
| NO CEIL | 27.3 | 35.4 | 35.5 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 |
| GE 2000 | 33.6 | 43.7 | 43.7 | 43.9 | 43.9 | 43.9 | 43.9 | 44.1 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| GE 1800 | 33.6 | 43.7 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.3 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| GE 1600 | 34.6 | 45.1 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 46.3 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 |
| GE 1400 | 48.4 | 62.6 | 63.3 | 63.9 | 63.9 | 63.9 | 64.0 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| GE 1200 | 48.4 | 63.0 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.4 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 1000 | 48.4 | 63.0 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.4 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 800 | 48.4 | 63.0 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.4 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 700 | 48.4 | 63.0 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.4 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 600 | 48.4 | 63.0 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.4 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 500 | 52.6 | 67.2 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 450 | 52.6 | 67.2 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 400 | 52.6 | 67.2 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 350 | 52.6 | 67.2 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 300 | 53.0 | 67.8 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.2 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 250 | 53.6 | 68.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.7 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| GE 200 | 54.5 | 69.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.7 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 180 | 54.5 | 69.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.7 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 150 | 62.8 | 79.6 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.6 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 120 | 68.8 | 90.7 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.3 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 100 | 74.3 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 90 | 74.3 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 80 | 74.3 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 70 | 74.3 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 60 | 74.3 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 50 | 74.3 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 40 | 74.3 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 30 | 74.3 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 20 | 74.3 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 10 | 74.3 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 0 | 74.3 | 97.4 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |

TOTAL NUMBER OF OBSERVATIONS: 474

AD-A159 606

DAKAR SENEGAL LIMITED SURFACE OBSERVATIONS CLIMATIC
SUMMARY (LISOC) PARTS A C-FIU) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. SEP 85
USAFETAC/DS-85/048

3/3

UNCLASSIFIED

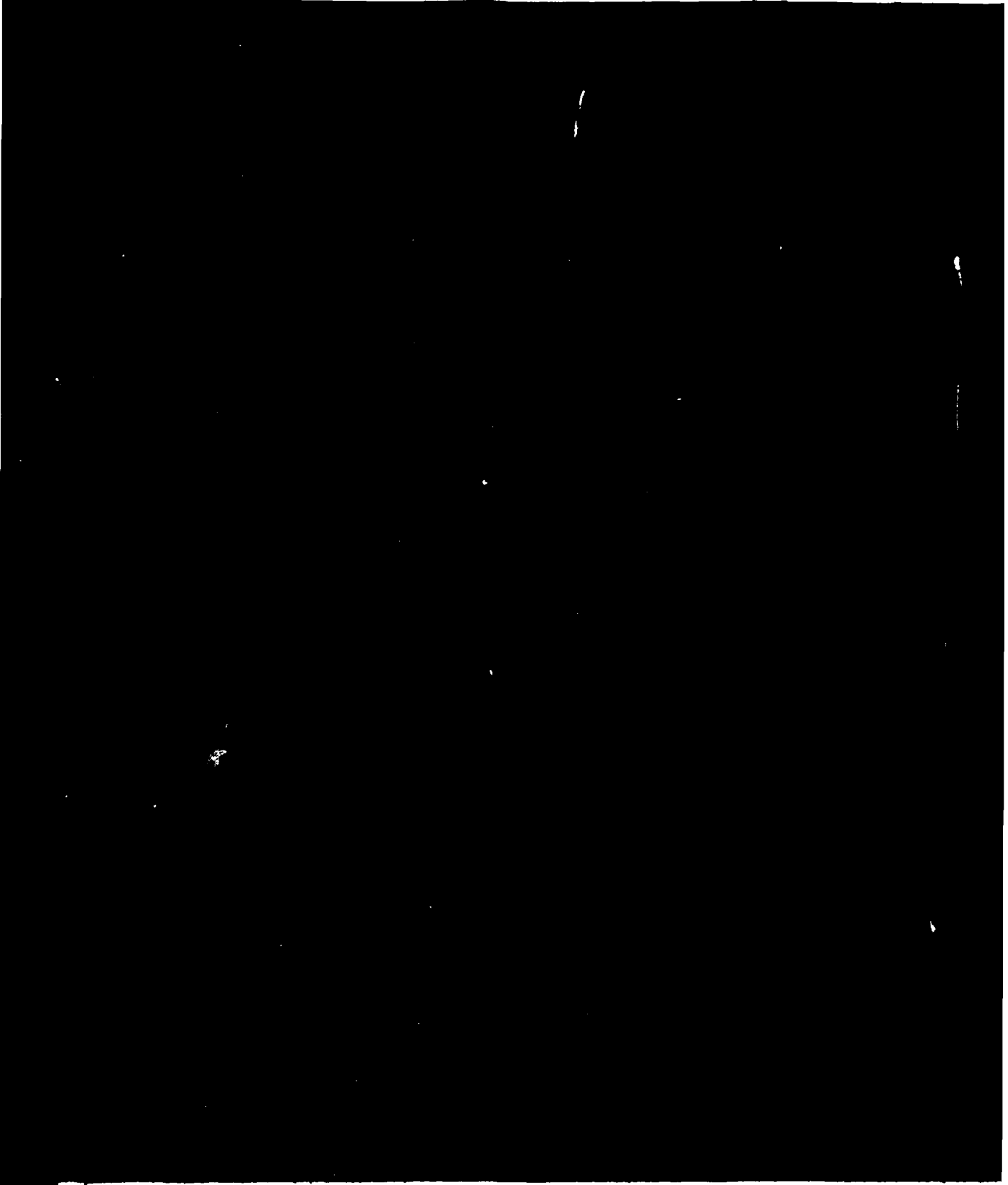
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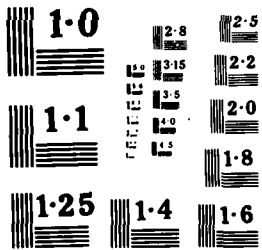
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1 2 3 4

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 615410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|-------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 | | |
| NO CEIL | .7 | 25.1 | 26.0 | 26.4 | 26.4 | 26.4 | 26.4 | 26.4 | 25.7 | 26.7 | 25.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 25.7 | |
| GE 20000 | .2 | 36.9 | 38.7 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| GE 18000 | .2 | 36.9 | 38.7 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| GE 16000 | .2 | 36.9 | 38.7 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| GE 14000 | .2 | 37.1 | 39.0 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 40.1 | 40.1 | 40.1 | 40.1 |
| GE 12000 | .2 | 49.0 | 52.2 | 52.5 | 52.8 | 52.8 | 52.8 | 52.8 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| GE 10000 | .2 | 49.0 | 52.2 | 52.5 | 52.8 | 52.8 | 52.8 | 52.8 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| GE 9000 | .2 | 49.0 | 52.2 | 52.5 | 52.8 | 52.8 | 52.8 | 52.8 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| GE 8000 | .2 | 49.0 | 52.2 | 52.5 | 52.8 | 52.8 | 52.8 | 52.8 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| GE 7000 | .2 | 49.0 | 52.2 | 52.5 | 52.8 | 52.8 | 52.8 | 52.8 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| GE 6000 | .2 | 49.0 | 52.2 | 52.5 | 52.8 | 52.8 | 52.8 | 52.8 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| GE 5000 | .2 | 55.1 | 58.3 | 58.3 | 59.0 | 59.0 | 59.0 | 59.0 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 4500 | .2 | 55.1 | 58.3 | 58.3 | 59.0 | 59.0 | 59.0 | 59.0 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 4000 | .2 | 55.1 | 58.3 | 58.3 | 59.0 | 59.0 | 59.0 | 59.0 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 3500 | .2 | 55.1 | 58.3 | 58.3 | 59.0 | 59.0 | 59.0 | 59.0 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 3000 | .2 | 55.6 | 58.8 | 59.2 | 59.5 | 59.5 | 59.5 | 59.5 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 60.1 | 60.1 | 60.1 | 60.1 |
| GE 2500 | .2 | 56.5 | 59.7 | 60.1 | 60.4 | 60.4 | 60.4 | 60.4 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 61.0 | 61.0 | 61.0 | 61.0 |
| GE 2000 | .2 | 62.0 | 65.1 | 65.5 | 65.8 | 65.8 | 65.8 | 65.8 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 1800 | .2 | 62.0 | 65.1 | 65.5 | 65.8 | 65.8 | 65.8 | 65.8 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 1500 | .5 | 78.8 | 83.4 | 83.3 | 84.1 | 84.1 | 84.1 | 84.1 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 1200 | .5 | 88.2 | 94.3 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 1000 | .5 | 91.3 | 97.9 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | .5 | 91.3 | 97.9 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | .5 | 91.3 | 97.9 | 98.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | .5 | 91.3 | 97.9 | 98.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | .5 | 91.3 | 97.9 | 98.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | .5 | 91.3 | 97.9 | 98.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | .5 | 91.3 | 97.9 | 98.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | .5 | 91.3 | 97.9 | 98.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | .5 | 91.3 | 97.9 | 98.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | .5 | 91.3 | 97.9 | 98.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 01 | .5 | 91.3 | 97.9 | 98.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 459

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: JAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 29.2 | 31.0 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 |
| GE 2000 | 40.5 | 42.7 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| GE 1800 | 40.5 | 42.7 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| GE 1600 | 40.5 | 42.7 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| GE 1400 | 41.5 | 43.7 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| GE 1200 | 54.2 | 57.5 | 58.1 | 58.1 | 58.1 | 58.1 | 58.3 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 1000 | 54.6 | 57.9 | 58.3 | 58.3 | 58.3 | 58.3 | 58.7 | 58.7 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 900 | 54.6 | 57.9 | 58.3 | 58.3 | 58.3 | 58.3 | 58.7 | 58.7 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 800 | 54.6 | 57.9 | 58.3 | 58.3 | 58.3 | 58.3 | 58.7 | 58.7 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 700 | 54.6 | 57.9 | 58.3 | 58.3 | 58.3 | 58.3 | 58.7 | 58.7 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 600 | 54.6 | 57.9 | 58.3 | 58.3 | 58.3 | 58.3 | 58.7 | 58.7 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 500 | 60.6 | 63.9 | 64.3 | 64.3 | 64.3 | 64.3 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GE 450 | 60.6 | 63.9 | 64.3 | 64.3 | 64.3 | 64.3 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GE 400 | 60.6 | 63.9 | 64.3 | 64.3 | 64.3 | 64.3 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GE 350 | 60.6 | 63.9 | 64.3 | 64.3 | 64.3 | 64.3 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GE 300 | 60.8 | 64.5 | 65.1 | 65.1 | 65.1 | 65.1 | 65.3 | 65.3 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| GE 250 | 61.6 | 65.3 | 65.9 | 65.9 | 65.9 | 65.9 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 200 | 69.0 | 72.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.5 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 180 | 69.0 | 72.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.5 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 150 | 85.4 | 90.6 | 91.3 | 91.3 | 91.3 | 91.3 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 120 | 90.6 | 95.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.5 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 100 | 92.6 | 97.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 90 | 92.6 | 97.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 80 | 92.6 | 97.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 70 | 92.6 | 97.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 60 | 92.6 | 97.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 50 | 92.6 | 97.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 40 | 92.6 | 97.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 30 | 92.6 | 97.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 20 | 92.6 | 97.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 10 | 92.6 | 97.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 92.6 | 97.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(IST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | 29.8 | 31.6 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 |
| GE 20000 | 41.5 | 43.8 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| GE 18000 | 41.6 | 44.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| GE 16000 | 41.8 | 44.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| GE 14000 | 42.9 | 45.1 | 45.5 | 45.5 | 45.6 | 45.6 | 45.6 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| GE 12000 | 57.1 | 59.6 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| GE 10000 | 57.1 | 59.6 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| GE 9000 | 57.1 | 59.6 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| GE 8000 | 57.1 | 59.6 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| GE 7000 | 57.1 | 59.6 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| GE 6000 | 57.1 | 59.6 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| GE 5000 | 61.4 | 63.9 | 64.5 | 64.5 | 64.6 | 64.6 | 64.6 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 4500 | 61.4 | 63.9 | 64.5 | 64.5 | 64.6 | 64.6 | 64.6 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 4000 | 61.4 | 63.9 | 64.5 | 64.5 | 64.6 | 64.6 | 64.6 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 3500 | 61.4 | 63.9 | 64.5 | 64.5 | 64.6 | 64.6 | 64.6 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 3000 | 63.4 | 66.1 | 66.8 | 66.8 | 66.9 | 66.9 | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 2500 | 64.8 | 67.5 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 2000 | 73.1 | 76.5 | 77.2 | 77.2 | 77.4 | 77.4 | 77.4 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 1800 | 73.4 | 76.7 | 77.4 | 77.4 | 77.7 | 77.7 | 77.7 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| GE 1500 | 87.8 | 92.1 | 93.0 | 93.0 | 93.2 | 93.2 | 93.2 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| GE 1200 | 92.1 | 96.4 | 97.3 | 97.3 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 1000 | 94.1 | 98.4 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | 94.1 | 98.4 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | 94.1 | 98.4 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 94.1 | 98.4 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 94.1 | 98.4 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 94.1 | 98.4 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | 94.1 | 98.4 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 94.1 | 98.4 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 94.1 | 98.4 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 94.1 | 98.4 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 0 | 94.1 | 98.4 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS: 443

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(LEST): 1900-2100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 3/4 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 |
| NO CEIL | 28.7 | 29.6 | 29.3 | 29.8 | 30.0 | 30.0 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| GE 20000 | 41.7 | 42.9 | 43.3 | 43.3 | 43.5 | 43.5 | 43.7 | 43.7 | 43.7 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| GE 18000 | 41.7 | 42.9 | 43.3 | 43.3 | 43.5 | 43.5 | 43.7 | 43.7 | 43.7 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| GE 16000 | 41.7 | 42.9 | 43.3 | 43.3 | 43.5 | 43.5 | 43.7 | 43.7 | 43.7 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| GE 14000 | 42.7 | 43.9 | 44.4 | 44.4 | 44.6 | 44.6 | 44.8 | 44.8 | 44.8 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| GE 12000 | 58.3 | 61.6 | 62.4 | 62.5 | 62.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 10000 | 58.9 | 62.4 | 63.4 | 63.7 | 63.9 | 63.9 | 64.1 | 64.1 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 9000 | 58.9 | 62.4 | 63.4 | 63.7 | 63.9 | 63.9 | 64.1 | 64.1 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 8000 | 58.9 | 62.4 | 63.4 | 63.7 | 63.9 | 63.9 | 64.1 | 64.1 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 7000 | 58.9 | 62.4 | 63.4 | 63.7 | 63.9 | 63.9 | 64.1 | 64.1 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 6000 | 58.9 | 62.4 | 63.4 | 63.7 | 63.9 | 63.9 | 64.1 | 64.1 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 5000 | 64.3 | 67.8 | 68.3 | 69.0 | 69.2 | 69.2 | 69.4 | 69.4 | 69.4 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 4500 | 64.3 | 67.8 | 68.3 | 69.0 | 69.2 | 69.2 | 69.4 | 69.4 | 69.4 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 4000 | 64.3 | 67.8 | 68.3 | 69.0 | 69.2 | 69.2 | 69.4 | 69.4 | 69.4 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 3500 | 64.3 | 67.8 | 68.3 | 69.0 | 69.2 | 69.2 | 69.4 | 69.4 | 69.4 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 3000 | 65.3 | 69.0 | 70.3 | 70.2 | 70.4 | 70.4 | 70.6 | 70.6 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| GE 2500 | 65.3 | 69.0 | 70.3 | 70.2 | 70.4 | 70.4 | 70.6 | 70.6 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| GE 2000 | 70.2 | 73.9 | 74.7 | 75.2 | 75.4 | 75.4 | 75.6 | 75.6 | 75.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 1800 | 70.4 | 74.1 | 75.2 | 75.4 | 75.6 | 75.6 | 75.8 | 75.8 | 75.8 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| GE 1500 | 85.2 | 90.8 | 92.2 | 92.4 | 92.5 | 92.6 | 92.8 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 1200 | 88.1 | 93.6 | 95.1 | 95.3 | 95.5 | 95.5 | 95.7 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 1000 | 91.2 | 96.9 | 98.3 | 98.8 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 900 | 91.2 | 96.9 | 98.3 | 98.8 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 800 | 91.2 | 96.9 | 98.3 | 98.8 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 700 | 91.2 | 96.9 | 98.3 | 98.8 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 600 | 91.2 | 96.9 | 98.3 | 98.8 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 500 | 91.2 | 96.9 | 98.3 | 98.8 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 400 | 91.2 | 96.9 | 98.3 | 98.8 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 300 | 91.2 | 97.1 | 98.3 | 99.0 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 91.2 | 97.1 | 98.3 | 99.0 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 91.4 | 97.3 | 99.0 | 99.7 | 99.4 | 99.4 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 00 | 91.4 | 97.3 | 99.0 | 99.2 | 99.8 | 99.4 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 437

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|-------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 52.1 | 38.8 | 38.3 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | |
| GE 20000 | 39.0 | 47.2 | 47.2 | 47.4 | 47.4 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | |
| GE 18000 | 39.0 | 47.2 | 47.2 | 47.4 | 47.4 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | |
| GE 16000 | 39.0 | 47.2 | 47.2 | 47.4 | 47.4 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | |
| GE 14000 | 40.5 | 49.0 | 49.3 | 49.2 | 49.2 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | |
| GE 12000 | 51.4 | 63.0 | 63.5 | 63.7 | 63.9 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | |
| GE 10000 | 51.4 | 63.0 | 63.7 | 63.9 | 64.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | |
| GE 9000 | 51.4 | 63.0 | 63.7 | 63.9 | 64.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | |
| GE 8000 | 51.4 | 63.0 | 63.7 | 63.9 | 64.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | |
| GE 7000 | 51.4 | 63.0 | 63.7 | 63.9 | 64.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | |
| GE 6000 | 51.4 | 63.0 | 63.7 | 63.9 | 64.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | |
| GE 5000 | 62.6 | 74.2 | 74.3 | 75.1 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | |
| GE 4500 | 62.6 | 74.2 | 74.3 | 75.1 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | |
| GE 4000 | 62.6 | 74.2 | 74.3 | 75.1 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | |
| GE 3500 | 62.6 | 74.2 | 74.3 | 75.1 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | |
| GE 3000 | 63.5 | 75.7 | 76.5 | 76.8 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | |
| GE 2500 | 63.5 | 75.7 | 76.5 | 76.8 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | |
| GE 2000 | .2 | 65.0 | 77.3 | 78.2 | 78.4 | 78.6 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | |
| GE 1800 | .2 | 65.0 | 77.3 | 78.2 | 78.4 | 78.6 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | |
| GE 1500 | .2 | 75.1 | 88.4 | 89.5 | 89.5 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | |
| GE 1200 | .2 | 79.1 | 95.8 | 96.7 | 96.9 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | |
| GE 1000 | .2 | 81.1 | 98.2 | 99.1 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 900 | .2 | 81.1 | 98.2 | 99.1 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 800 | .2 | 81.1 | 98.2 | 99.1 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 700 | .2 | 81.1 | 98.2 | 99.1 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 600 | .2 | 81.1 | 98.2 | 99.1 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 500 | .2 | 81.1 | 98.2 | 99.1 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 400 | .2 | 81.1 | 98.2 | 99.1 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 300 | .2 | 81.1 | 98.2 | 99.1 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 200 | .2 | 81.1 | 98.2 | 99.1 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 100 | .2 | 81.1 | 98.4 | 99.3 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 0 | .2 | 81.1 | 98.4 | 99.3 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 949

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: JUL HOURS(EST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3 | |
| NO CEIL | .1 | 30.3 | 35.2 | 35.3 | 35.5 | 35.6 | 35.5 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | |
| GE 20000 | .1 | 39.3 | 45.4 | 45.7 | 45.7 | 45.8 | 45.8 | 45.8 | 45.9 | 45.9 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | |
| GE 18000 | .1 | 39.4 | 45.4 | 45.7 | 45.8 | 45.8 | 45.8 | 45.9 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | |
| GE 16000 | .1 | 39.4 | 45.4 | 45.7 | 45.8 | 45.8 | 45.8 | 45.9 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | |
| GE 14000 | .1 | 40.2 | 46.3 | 46.5 | 46.7 | 46.8 | 46.8 | 46.9 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | |
| GE 12000 | .1 | 52.4 | 60.8 | 61.4 | 61.6 | 61.6 | 61.7 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | |
| GE 10000 | .1 | 52.6 | 61.0 | 61.3 | 61.9 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | |
| GE 9000 | .1 | 52.6 | 61.0 | 61.3 | 61.9 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | |
| GE 8000 | .1 | 52.6 | 61.0 | 61.3 | 61.9 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | |
| GE 7000 | .1 | 52.6 | 61.0 | 61.3 | 61.9 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | |
| GE 6000 | .1 | 52.6 | 61.0 | 61.3 | 61.9 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | |
| GE 5000 | .1 | 59.0 | 67.5 | 68.2 | 68.3 | 68.4 | 68.5 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | |
| GE 4500 | .1 | 59.0 | 67.5 | 68.2 | 68.3 | 68.4 | 68.5 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | |
| GE 4000 | .1 | 59.0 | 67.5 | 68.2 | 68.4 | 68.5 | 68.5 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.8 | 68.8 | |
| GE 3500 | .1 | 59.0 | 67.5 | 68.2 | 68.4 | 68.5 | 68.5 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.8 | 68.8 | |
| GE 3000 | .1 | 60.0 | 68.7 | 69.5 | 69.7 | 69.7 | 69.8 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.1 | 70.1 | |
| GE 2500 | .1 | 60.5 | 69.2 | 70.0 | 70.1 | 70.2 | 70.3 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.6 | 70.6 | |
| GE 2000 | .1 | 64.1 | 73.1 | 73.7 | 74.0 | 74.1 | 74.2 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | |
| GE 1800 | .1 | 64.2 | 73.1 | 73.9 | 74.1 | 74.2 | 74.2 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | |
| GE 1500 | .1 | 76.3 | 86.6 | 87.5 | 87.7 | 87.8 | 87.9 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | |
| GE 1200 | .1 | 81.6 | 94.3 | 95.4 | 95.5 | 95.6 | 95.7 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | |
| GE 1000 | .1 | 84.7 | 97.7 | 98.9 | 99.1 | 99.2 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | |
| GE 900 | .1 | 84.7 | 97.7 | 98.9 | 99.1 | 99.2 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | |
| GE 800 | .1 | 84.7 | 97.7 | 99.2 | 99.2 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 700 | .1 | 84.8 | 97.8 | 99.2 | 99.2 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 600 | .1 | 84.8 | 97.8 | 99.1 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 500 | .1 | 84.8 | 97.8 | 99.1 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 400 | .1 | 84.8 | 97.8 | 99.1 | 99.2 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 300 | .1 | 84.8 | 97.8 | 99.1 | 99.3 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 200 | .1 | 84.8 | 97.8 | 99.1 | 99.3 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 100 | .1 | 84.8 | 97.9 | 99.2 | 99.4 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | |
| GE 01 | .1 | 84.8 | 97.9 | 99.2 | 99.4 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 3715

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(UT): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE |
| NO CEIL | 36.9 | 48.0 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 49.0 | 49.0 | 48.3 | 48.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| GE 20000 | 42.6 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| GE 18000 | 42.6 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| GE 16000 | 42.6 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| GE 14000 | 43.6 | 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 | 57.4 | 57.4 |
| GE 12000 | 57.2 | 76.1 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 10000 | 57.4 | 76.3 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 9000 | 57.4 | 76.3 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 8000 | 57.4 | 76.3 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 7000 | 57.4 | 76.3 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 6000 | 57.4 | 76.3 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 5000 | 62.5 | 81.3 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 4500 | 62.5 | 81.3 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 4000 | 62.5 | 81.3 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 3500 | 62.5 | 81.3 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 3000 | 65.7 | 82.8 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 2500 | 63.7 | 82.8 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 2000 | 64.2 | 83.6 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 1800 | 64.2 | 83.6 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 1500 | 70.6 | 92.0 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 1200 | 73.6 | 98.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1000 | 74.0 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | 74.0 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | 74.0 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 74.0 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 74.0 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 74.0 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | 74.0 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 74.0 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 74.0 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 74.0 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 0 | 74.0 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS: 477

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(DST): 0500-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|-------|-------|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|
| | 1 | 1 1/8 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 5 1/2 | 6 | 6 1/2 | 7 | 7 1/2 | 8 |
| NO CEIL | 1 | | | | | | | | | | | | | | | | | |
| GE 20000 | 35.4 | | | | | | | | | | | | | | | | | |
| GE 18000 | 39.6 | | | | | | | | | | | | | | | | | |
| GE 16000 | 39.6 | | | | | | | | | | | | | | | | | |
| GE 14000 | 42.0 | | | | | | | | | | | | | | | | | |
| GE 12000 | 55.5 | | | | | | | | | | | | | | | | | |
| GE 10000 | 55.5 | | | | | | | | | | | | | | | | | |
| GE 9000 | 55.5 | | | | | | | | | | | | | | | | | |
| GE 8000 | 55.5 | | | | | | | | | | | | | | | | | |
| GE 7000 | 55.5 | | | | | | | | | | | | | | | | | |
| GE 6000 | 55.5 | | | | | | | | | | | | | | | | | |
| GE 5000 | 59.7 | | | | | | | | | | | | | | | | | |
| GE 4500 | 59.7 | | | | | | | | | | | | | | | | | |
| GE 4000 | 59.7 | | | | | | | | | | | | | | | | | |
| GE 3500 | 59.7 | | | | | | | | | | | | | | | | | |
| GE 3000 | 61.6 | | | | | | | | | | | | | | | | | |
| GE 2500 | 61.6 | | | | | | | | | | | | | | | | | |
| GE 2000 | 62.3 | | | | | | | | | | | | | | | | | |
| GE 1800 | 62.3 | | | | | | | | | | | | | | | | | |
| GE 1500 | 72.0 | | | | | | | | | | | | | | | | | |
| GE 1200 | 76.1 | | | | | | | | | | | | | | | | | |
| GE 1000 | 79.9 | | | | | | | | | | | | | | | | | |
| GE 900 | 79.9 | | | | | | | | | | | | | | | | | |
| GE 800 | 79.9 | | | | | | | | | | | | | | | | | |
| GE 700 | 79.9 | | | | | | | | | | | | | | | | | |
| GE 600 | 79.9 | | | | | | | | | | | | | | | | | |
| GE 500 | 79.9 | | | | | | | | | | | | | | | | | |
| GE 400 | 79.9 | | | | | | | | | | | | | | | | | |
| GE 300 | 79.9 | | | | | | | | | | | | | | | | | |
| GE 200 | 79.9 | | | | | | | | | | | | | | | | | |
| GE 100 | 79.9 | | | | | | | | | | | | | | | | | |
| GE 0 | 79.9 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 422

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(ULST): 0600-2300

| CEILING IN FLEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | VISIBILITY IN STATUTE MILES | | | | | | | | | | |
|------------------------|----------|---------|---------|---------|---------|-------------|-----------------------------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|-------|
| | | | | | | | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | .2 | 25.1 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 |
| GE 20000 | .2 | 31.9 | 42.6 | 42.3 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| GE 18000 | .2 | 31.9 | 42.6 | 42.3 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| GE 16000 | .2 | 31.9 | 42.6 | 42.3 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| GE 14000 | .2 | 33.0 | 43.8 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| GE 12000 | .2 | 51.9 | 67.7 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| GE 10000 | .2 | 51.9 | 67.9 | 68.7 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 9000 | .2 | 51.9 | 67.9 | 68.7 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 8000 | .2 | 51.9 | 67.9 | 68.7 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 7000 | .2 | 51.9 | 67.9 | 68.7 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 6000 | .2 | 51.9 | 67.9 | 68.7 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 5000 | .2 | 54.7 | 70.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 4500 | .2 | 54.7 | 70.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 4000 | .2 | 54.7 | 70.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 3500 | .2 | 54.7 | 70.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 3000 | .2 | 55.1 | 71.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 2500 | .2 | 55.3 | 71.5 | 72.3 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 2000 | .2 | 57.4 | 73.6 | 74.7 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| GE 1800 | .2 | 57.4 | 73.6 | 74.7 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| GE 1500 | .2 | 67.9 | 84.9 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 1200 | .2 | 73.6 | 94.7 | 96.3 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 1000 | .2 | 76.2 | 97.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | .2 | 76.2 | 97.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | .2 | 76.2 | 97.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | .2 | 76.2 | 97.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | .2 | 76.2 | 97.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | .2 | 76.2 | 97.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | .2 | 76.2 | 97.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | .2 | 76.2 | 97.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | .2 | 76.4 | 97.7 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | .2 | 76.4 | 97.7 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 00 | .2 | 76.4 | 97.7 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 470

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN 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 |
| NO CEIL | | 24.2 | 24.9 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| GE 20000 | | 33.5 | 35.5 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 |
| GE 18000 | | 33.5 | 35.5 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 |
| GE 16000 | | 33.5 | 35.5 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 |
| GE 14000 | | 35.5 | 37.5 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 |
| GE 12000 | | 60.2 | 64.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 10000 | | 60.2 | 64.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 9000 | | 60.2 | 64.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 8000 | | 60.2 | 64.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 7000 | | 60.2 | 64.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 6000 | | 60.2 | 64.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 5000 | | 64.0 | 68.0 | 68.3 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 4500 | | 64.0 | 68.0 | 68.3 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 4000 | | 64.0 | 68.0 | 68.3 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 3500 | | 64.0 | 68.0 | 68.3 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 3000 | | 64.0 | 68.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| GE 2500 | | 65.0 | 69.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 2000 | | 75.6 | 80.1 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 1800 | | 75.8 | 80.4 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 1500 | | 90.7 | 95.7 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 1200 | | 93.2 | 98.2 | 99.3 | 99.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1000 | | 93.2 | 98.2 | 99.3 | 99.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 900 | | 93.2 | 98.2 | 99.3 | 99.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 800 | | 93.2 | 98.2 | 99.3 | 99.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 700 | | 93.2 | 98.2 | 99.3 | 99.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 600 | | 93.2 | 98.2 | 99.3 | 99.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 500 | | 93.2 | 98.2 | 99.3 | 99.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 400 | | 93.2 | 98.2 | 99.3 | 99.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 300 | | 93.5 | 98.5 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 |
| GE 200 | | 93.5 | 98.5 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 |
| GE 100 | | 93.5 | 98.5 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 |
| GE 0 | | 93.5 | 98.5 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 377

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 676413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS/DAYS: 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/15 | GE 1/4 | GE 0 | | |
| NO CEIL | | | | | | | | | | | | | | | | | | |
| GE 20000 | | 27.6 | 29.3 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | | |
| GE 18000 | | 40.3 | 43.1 | 43.3 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | | |
| GE 16000 | | 40.3 | 43.1 | 43.3 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | | |
| GE 14000 | | 41.6 | 44.6 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | | |
| GE 12000 | .2 | 59.5 | 63.6 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.7 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | | |
| GE 10000 | .2 | 59.5 | 63.6 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.7 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | | |
| GE 9000 | .2 | 59.5 | 63.6 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.7 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | | |
| GE 8000 | .2 | 59.5 | 63.6 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.7 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | | |
| GE 7000 | .2 | 59.5 | 63.6 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.7 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | | |
| GE 6000 | .2 | 59.5 | 63.6 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.7 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | | |
| GE 5000 | .2 | 62.1 | 66.2 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.2 | 67.2 | 67.2 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | | |
| GE 4500 | .2 | 62.3 | 66.4 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.5 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | | |
| GE 4000 | .2 | 62.3 | 66.4 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.5 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | | |
| GE 3500 | .2 | 62.3 | 66.4 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.5 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | | |
| GE 3000 | .2 | 62.5 | 66.6 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | | |
| GE 2500 | .2 | 63.4 | 67.5 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | | |
| GE 2000 | .2 | 74.4 | 79.1 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.2 | 80.2 | 80.2 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | | |
| GE 1800 | .2 | 74.4 | 79.1 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.2 | 80.2 | 80.2 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | | |
| GE 1500 | .2 | 89.4 | 95.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | | |
| GE 1200 | .2 | 91.2 | 97.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | | |
| GE 1000 | .2 | 91.4 | 97.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 900 | .2 | 91.4 | 97.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 800 | .2 | 91.4 | 97.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 700 | .2 | 91.4 | 97.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 600 | .2 | 91.4 | 97.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 500 | .2 | 91.4 | 97.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 400 | .2 | 91.4 | 97.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 300 | .2 | 91.4 | 97.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 200 | .2 | 91.4 | 97.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 100 | .2 | 91.4 | 97.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 0 | .2 | 91.4 | 97.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |

TOTAL NUMBER OF OBSERVATIONS: 434

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(LEST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/15 | GE 1/4 | GE 0 |
| NO CEIL | 28.0 | 29.0 | 29.2 | 29.2 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 |
| GE 20000 | 43.6 | 43.8 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| GE 18000 | 43.6 | 43.8 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| GE 16000 | 43.6 | 43.8 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| GE 14000 | 41.1 | 44.3 | 44.3 | 45.0 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| GE 12000 | 63.6 | 63.7 | 64.2 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| GE 10000 | 60.6 | 64.0 | 64.5 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| GE 9000 | 60.6 | 64.0 | 64.5 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| GE 8000 | 60.6 | 64.0 | 64.5 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| GE 7000 | 60.6 | 64.0 | 64.5 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| GE 6000 | 60.6 | 64.0 | 64.5 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| GE 5000 | 66.4 | 69.8 | 70.3 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 4500 | 66.4 | 69.8 | 70.3 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 4000 | 66.4 | 69.8 | 70.3 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 3500 | 66.4 | 69.8 | 70.3 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 3000 | 66.9 | 70.3 | 71.3 | 71.3 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 2500 | 68.6 | 72.0 | 72.7 | 73.0 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 2000 | 77.9 | 82.2 | 83.1 | 83.2 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 1800 | 77.9 | 82.2 | 83.1 | 83.2 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 1600 | 93.0 | 95.1 | 96.4 | 96.6 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 1200 | 92.0 | 97.3 | 98.5 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1000 | 92.0 | 97.3 | 98.5 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 900 | 92.0 | 97.3 | 98.5 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 800 | 92.0 | 97.3 | 98.5 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 700 | 92.0 | 97.3 | 98.5 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 600 | 92.0 | 97.3 | 98.5 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 500 | 92.0 | 97.3 | 98.5 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 400 | 92.0 | 97.3 | 98.5 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 300 | 92.2 | 97.6 | 98.3 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 92.2 | 97.6 | 98.3 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 92.2 | 97.6 | 98.3 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 92.2 | 97.6 | 98.3 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 411

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(LOCAL): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEILING | 24.9 | 48.1 | 60.7 | 60.7 | 62.5 | 62.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| GE 20000 | 29.0 | 56.2 | 69.3 | 69.3 | 71.0 | 71.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 18000 | 29.0 | 56.2 | 69.3 | 69.3 | 71.0 | 71.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 16000 | 29.0 | 56.2 | 69.3 | 69.3 | 71.0 | 71.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 14000 | 29.7 | 56.9 | 70.3 | 70.3 | 71.8 | 71.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 12000 | 36.0 | 65.7 | 78.3 | 78.3 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 10000 | 36.3 | 66.0 | 79.1 | 79.1 | 81.1 | 81.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 9000 | 36.3 | 66.0 | 79.1 | 79.1 | 81.1 | 81.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 8000 | 36.3 | 66.0 | 79.1 | 79.1 | 81.1 | 81.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 7000 | 36.3 | 66.0 | 79.1 | 79.1 | 81.1 | 81.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 6000 | 36.3 | 66.0 | 79.1 | 79.1 | 81.1 | 81.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 5000 | 50.6 | 80.4 | 93.5 | 93.5 | 95.5 | 95.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 4500 | 50.6 | 80.4 | 93.5 | 93.5 | 95.5 | 95.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 4000 | 50.6 | 80.4 | 93.5 | 93.5 | 95.5 | 95.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 3500 | 50.6 | 80.4 | 93.5 | 93.5 | 95.5 | 95.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 3000 | 50.9 | 80.9 | 94.3 | 94.3 | 96.3 | 96.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 2500 | 50.9 | 80.9 | 94.3 | 94.3 | 96.3 | 96.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 2000 | 50.9 | 80.9 | 94.3 | 94.3 | 96.3 | 96.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 1800 | 50.9 | 80.9 | 94.3 | 94.3 | 96.3 | 96.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 1500 | 50.9 | 80.9 | 94.3 | 94.3 | 96.3 | 96.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 1200 | 51.6 | 82.9 | 96.3 | 96.3 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1000 | 51.6 | 83.1 | 96.2 | 96.2 | 98.2 | 98.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| GE 900 | 51.6 | 83.1 | 96.2 | 96.2 | 98.2 | 98.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| GE 800 | 51.6 | 83.1 | 96.2 | 96.2 | 98.2 | 98.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| GE 700 | 51.6 | 83.1 | 96.2 | 96.2 | 98.2 | 98.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| GE 600 | 51.6 | 83.1 | 96.2 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 500 | 51.6 | 83.1 | 96.2 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 400 | 51.6 | 83.1 | 96.2 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 300 | 51.6 | 83.1 | 96.2 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 200 | 51.6 | 83.1 | 96.2 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 100 | 51.6 | 83.1 | 96.2 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 0 | 51.6 | 83.1 | 96.2 | 96.2 | 98.5 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 397

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILINGS VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-94
 MONTH: OCT HOURS(EST): 0000-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | 22.8 | 47.7 | 58.7 | 58.7 | 60.2 | 60.2 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| GE 2000 | 29.3 | 58.9 | 70.3 | 70.5 | 72.0 | 72.0 | 72.0 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 1800 | 29.3 | 58.9 | 70.3 | 70.5 | 72.0 | 72.0 | 72.0 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 1600 | 29.3 | 58.9 | 70.3 | 70.5 | 72.0 | 72.0 | 72.0 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 1400 | 29.9 | 59.8 | 71.2 | 71.4 | 72.8 | 72.8 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 1200 | 34.6 | 67.8 | 80.1 | 80.3 | 81.7 | 81.7 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 1000 | 34.6 | 68.0 | 80.3 | 80.5 | 82.0 | 82.0 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 900 | 34.6 | 68.0 | 80.3 | 80.5 | 82.0 | 82.0 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 800 | 34.6 | 68.0 | 80.3 | 80.5 | 82.0 | 82.0 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 700 | 34.6 | 68.0 | 80.3 | 80.5 | 82.0 | 82.0 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 600 | 34.6 | 68.0 | 80.3 | 80.5 | 82.0 | 82.0 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 500 | 48.3 | 81.7 | 94.1 | 94.2 | 95.6 | 95.6 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 450 | 48.3 | 81.7 | 94.1 | 94.2 | 95.6 | 95.6 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 400 | 48.3 | 81.7 | 94.1 | 94.2 | 95.6 | 95.6 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 350 | 48.3 | 81.7 | 94.1 | 94.2 | 95.6 | 95.6 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 300 | 48.5 | 82.0 | 94.2 | 94.4 | 95.9 | 95.9 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 2500 | 48.8 | 82.2 | 94.4 | 94.6 | 96.1 | 96.1 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 2000 | 48.8 | 82.2 | 94.4 | 94.6 | 96.1 | 96.1 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 1800 | 48.8 | 82.2 | 94.4 | 94.6 | 96.1 | 96.1 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 1500 | 49.2 | 83.4 | 95.5 | 95.9 | 97.3 | 97.3 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 1200 | 50.0 | 84.9 | 97.1 | 97.3 | 98.8 | 98.8 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1000 | .2 | 50.2 | 85.3 | 97.3 | 97.7 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | .2 | 50.2 | 85.3 | 97.3 | 97.7 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | .2 | 50.2 | 85.3 | 97.3 | 97.7 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | .2 | 50.2 | 85.3 | 97.3 | 97.7 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | .2 | 50.2 | 85.3 | 97.3 | 97.7 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | .2 | 50.2 | 85.3 | 97.3 | 97.7 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | .2 | 50.2 | 85.3 | 97.3 | 97.7 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | .2 | 50.2 | 85.3 | 97.3 | 97.7 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | .2 | 50.2 | 85.3 | 97.3 | 97.7 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | .2 | 50.2 | 85.3 | 97.3 | 97.7 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | .2 | 50.2 | 85.3 | 97.3 | 97.7 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 432

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS/12SI: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3 | | |
| NO CEIL | .1 | 30.7 | 37.3 | 39.5 | 39.7 | 40.3 | 40.3 | 40.6 | 40.7 | 40.7 | 40.8 | 40.8 | 40.8 | 40.9 | 40.9 | 40.9 | 40.9 | |
| GE 20000 | .1 | 41.8 | 50.7 | 53.4 | 53.5 | 54.3 | 54.3 | 54.7 | 54.7 | 54.7 | 54.9 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | |
| GE 18000 | .1 | 41.8 | 50.7 | 53.4 | 53.5 | 54.3 | 54.3 | 54.7 | 54.7 | 54.7 | 54.9 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | |
| GE 16000 | .1 | 41.8 | 50.7 | 53.4 | 53.5 | 54.3 | 54.3 | 54.7 | 54.7 | 54.7 | 54.9 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | |
| GE 14000 | .1 | 42.8 | 51.9 | 54.3 | 54.7 | 55.5 | 55.5 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | |
| GE 12000 | .1 | 52.2 | 69.4 | 72.7 | 72.9 | 73.6 | 73.6 | 74.0 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | |
| GE 10000 | .1 | 57.3 | 69.6 | 72.7 | 73.1 | 73.8 | 73.8 | 74.2 | 74.3 | 74.3 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | |
| GE 9000 | .1 | 57.3 | 69.6 | 72.7 | 73.1 | 73.8 | 73.8 | 74.2 | 74.3 | 74.3 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | |
| GE 8000 | .1 | 57.3 | 69.6 | 72.7 | 73.1 | 73.8 | 73.8 | 74.2 | 74.3 | 74.3 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | |
| GE 7000 | .1 | 57.3 | 69.6 | 72.7 | 73.1 | 73.8 | 73.8 | 74.2 | 74.3 | 74.3 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | |
| GE 6000 | .1 | 57.3 | 69.6 | 72.7 | 73.1 | 73.8 | 73.8 | 74.2 | 74.3 | 74.3 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | |
| GE 5000 | .1 | 64.2 | 76.5 | 79.3 | 80.0 | 80.7 | 80.7 | 81.1 | 81.2 | 81.2 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | |
| GE 4500 | .1 | 64.2 | 76.5 | 79.3 | 80.0 | 80.7 | 80.7 | 81.1 | 81.2 | 81.2 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | |
| GE 4000 | .1 | 64.2 | 76.5 | 79.3 | 80.0 | 80.7 | 80.7 | 81.1 | 81.2 | 81.2 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | |
| GE 3500 | .1 | 64.2 | 76.5 | 79.3 | 80.0 | 80.7 | 80.7 | 81.1 | 81.2 | 81.2 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | |
| GE 3000 | .1 | 65.2 | 77.7 | 81.1 | 81.3 | 82.1 | 82.1 | 82.5 | 82.6 | 82.6 | 82.7 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | |
| GE 2500 | .1 | 65.5 | 78.0 | 81.3 | 81.7 | 82.5 | 82.5 | 82.9 | 82.9 | 83.0 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | |
| GE 2000 | .1 | 67.9 | 80.7 | 84.3 | 84.5 | 85.3 | 85.3 | 85.7 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | |
| GE 1800 | .1 | 68.0 | 80.9 | 84.4 | 84.6 | 85.4 | 85.4 | 85.8 | 85.9 | 85.9 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | |
| GE 1500 | .1 | 75.6 | 89.3 | 93.3 | 93.5 | 94.3 | 94.3 | 94.8 | 94.9 | 94.9 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | |
| GE 1200 | .1 | 78.4 | 93.0 | 97.3 | 97.4 | 98.3 | 98.3 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | |
| GE 1000 | .1 | 78.7 | 93.6 | 97.7 | 98.1 | 99.0 | 99.0 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 900 | .1 | 78.7 | 93.6 | 97.7 | 98.1 | 99.0 | 99.0 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 800 | .1 | 78.7 | 93.6 | 98.1 | 98.2 | 99.0 | 99.0 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 700 | .1 | 78.7 | 93.6 | 98.1 | 98.2 | 99.0 | 99.0 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 600 | .1 | 78.7 | 93.7 | 98.1 | 98.2 | 99.0 | 99.0 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 500 | .1 | 78.7 | 93.7 | 98.1 | 98.2 | 99.0 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 400 | .1 | 78.7 | 93.7 | 98.1 | 98.2 | 99.0 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 300 | .1 | 78.7 | 93.7 | 98.1 | 98.2 | 99.0 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 200 | .1 | 78.7 | 93.7 | 98.1 | 98.2 | 99.0 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 100 | .1 | 78.7 | 93.7 | 98.1 | 98.2 | 99.0 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GE 0 | .1 | 78.7 | 93.7 | 98.1 | 98.2 | 99.0 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |

TOTAL NUMBER OF OBSERVATIONS: 3425

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP 40JRS(LST): 2100-2300

| CEILINGS IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|---------------------|-----------------------------|-------|------|------|------|------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|--------|
| | 1 | GE 10 | GE 6 | GE 5 | GE 4 | 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | | 36.6 | 47.3 | 49.1 | 49.1 | 49.1 | 49.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| GE 20000 | 45.8 | 60.1 | 62.1 | 62.1 | 62.6 | 62.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| GE 18000 | 45.8 | 60.1 | 62.1 | 62.1 | 62.6 | 62.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| GE 16000 | 45.8 | 60.1 | 62.1 | 62.1 | 62.6 | 62.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| GE 14000 | 46.1 | 60.6 | 62.2 | 62.6 | 63.1 | 63.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 12000 | 57.0 | 74.8 | 77.4 | 77.4 | 77.4 | 77.9 | 77.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 10000 | 57.0 | 74.8 | 77.4 | 77.4 | 77.4 | 77.9 | 77.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 9000 | 57.0 | 74.8 | 77.4 | 77.4 | 77.4 | 77.9 | 77.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 8000 | 57.0 | 74.8 | 77.4 | 77.4 | 77.4 | 77.9 | 77.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 7000 | 57.0 | 74.8 | 77.4 | 77.4 | 77.4 | 77.9 | 77.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 6000 | 57.0 | 74.8 | 77.4 | 77.4 | 77.4 | 77.9 | 77.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 5000 | 66.4 | 84.2 | 86.3 | 86.8 | 87.3 | 87.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 4500 | 66.4 | 84.2 | 86.3 | 86.8 | 87.3 | 87.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 4000 | 66.4 | 84.2 | 86.3 | 86.8 | 87.3 | 87.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 3500 | 66.4 | 84.2 | 86.3 | 86.8 | 87.3 | 87.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 3000 | 67.9 | 86.8 | 89.5 | 89.6 | 90.1 | 90.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 2500 | 67.9 | 86.8 | 89.5 | 89.6 | 90.1 | 90.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 2000 | 68.7 | 87.8 | 90.5 | 90.6 | 91.1 | 91.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 1800 | 68.7 | 87.8 | 90.5 | 90.6 | 91.1 | 91.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 1500 | 72.5 | 92.6 | 95.7 | 95.7 | 96.2 | 96.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 1200 | 73.8 | 94.7 | 97.7 | 97.7 | 98.2 | 98.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1000 | 74.0 | 94.9 | 98.5 | 98.5 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 74.0 | 94.9 | 98.5 | 98.5 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 74.0 | 94.9 | 98.5 | 98.5 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 74.0 | 94.9 | 98.5 | 98.5 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 74.0 | 94.9 | 98.5 | 98.5 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 74.0 | 94.9 | 98.5 | 98.5 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 74.0 | 94.9 | 98.5 | 98.5 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 74.0 | 94.9 | 98.5 | 98.5 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 74.0 | 94.9 | 98.5 | 98.5 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 74.0 | 94.9 | 98.5 | 98.5 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 01 | 74.0 | 94.9 | 98.5 | 98.5 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 323

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS(UT+1): 1800-2300

| CEILINGS IN FEET | VISIBILITY IN 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 |
| NO CEIL | 25.4 | 29.5 | 30.9 | 30.9 | 31.3 | 31.3 | 31.7 | 31.7 | 31.9 | 31.9 | 31.9 | 31.9 | 32.2 | 32.2 | 32.2 | 32.2 |
| GE 2000 | 43.1 | 49.2 | 51.2 | 51.4 | 52.1 | 52.1 | 52.5 | 52.5 | 52.7 | 52.7 | 52.7 | 52.7 | 53.0 | 53.0 | 53.0 | 53.0 |
| GE 1800 | 43.1 | 49.2 | 51.2 | 51.4 | 52.1 | 52.1 | 52.5 | 52.5 | 52.7 | 52.7 | 52.7 | 52.7 | 53.0 | 53.0 | 53.0 | 53.0 |
| GE 1600 | 43.1 | 49.2 | 51.2 | 51.4 | 52.1 | 52.1 | 52.5 | 52.5 | 52.7 | 52.7 | 52.7 | 52.7 | 53.0 | 53.0 | 53.0 | 53.0 |
| GE 1400 | 44.4 | 50.8 | 52.7 | 53.0 | 53.6 | 53.6 | 54.0 | 54.0 | 54.3 | 54.3 | 54.3 | 54.3 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 1200 | 61.7 | 69.4 | 71.3 | 72.0 | 72.6 | 72.6 | 73.1 | 73.1 | 73.3 | 73.3 | 73.3 | 73.3 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 1000 | 62.1 | 69.8 | 72.4 | 72.6 | 73.3 | 73.3 | 73.7 | 73.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 900 | 62.1 | 69.8 | 72.4 | 72.6 | 73.3 | 73.3 | 73.7 | 73.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 800 | 62.1 | 69.8 | 72.4 | 72.6 | 73.3 | 73.3 | 73.7 | 73.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 700 | 62.1 | 69.8 | 72.4 | 72.6 | 73.3 | 73.3 | 73.7 | 73.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 600 | 62.1 | 69.8 | 72.4 | 72.6 | 73.3 | 73.3 | 73.7 | 73.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 500 | 70.0 | 77.7 | 80.3 | 80.5 | 81.2 | 81.2 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 450 | 70.0 | 77.7 | 80.3 | 80.5 | 81.2 | 81.2 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 400 | 70.0 | 77.7 | 80.3 | 80.5 | 81.2 | 81.2 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 350 | 70.0 | 77.7 | 80.3 | 80.5 | 81.2 | 81.2 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 300 | 71.3 | 79.0 | 81.3 | 82.1 | 82.7 | 82.7 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 250 | 72.0 | 79.6 | 82.7 | 82.9 | 83.6 | 83.6 | 84.0 | 84.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 200 | 75.3 | 83.2 | 86.2 | 86.4 | 87.1 | 87.1 | 87.5 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 180 | 75.5 | 83.6 | 86.7 | 86.9 | 87.5 | 87.5 | 88.0 | 88.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 150 | 84.2 | 93.4 | 96.7 | 96.9 | 97.6 | 97.6 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 120 | .2 | 85.6 | 94.7 | 98.0 | 98.2 | 98.9 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | .2 | 85.6 | 95.0 | 98.2 | 98.5 | 99.1 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 90 | .2 | 85.6 | 95.0 | 98.2 | 98.5 | 99.1 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 80 | .2 | 85.6 | 95.0 | 98.2 | 98.5 | 99.1 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 70 | .2 | 85.6 | 95.0 | 98.2 | 98.5 | 99.1 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 60 | .2 | 85.6 | 95.0 | 98.2 | 98.5 | 99.1 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 50 | .2 | 85.6 | 95.0 | 98.2 | 98.5 | 99.1 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 40 | .2 | 85.6 | 95.0 | 98.2 | 98.5 | 99.1 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 30 | .2 | 85.6 | 95.0 | 98.2 | 98.5 | 99.1 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 20 | .2 | 85.6 | 95.0 | 98.2 | 98.5 | 99.1 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 10 | .2 | 85.6 | 95.0 | 98.2 | 98.5 | 99.1 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 0 | .2 | 85.6 | 95.0 | 98.2 | 98.5 | 99.1 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 457

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP HOURS(EST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|------|
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/15 | 1/4 | 0 |
| NO CEIL | 31.1 | 33.6 | 36.2 | 36.2 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| GE 20000 | 46.1 | 50.1 | 52.7 | 53.2 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 54.1 |
| GE 18000 | 46.1 | 50.1 | 52.7 | 53.2 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 54.1 |
| GE 16000 | 46.1 | 50.1 | 52.7 | 53.2 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 54.1 |
| GE 14000 | 47.8 | 52.0 | 54.3 | 55.1 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| GE 12000 | 63.3 | 68.0 | 71.3 | 71.8 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.7 |
| GE 10000 | 63.3 | 68.2 | 71.3 | 72.0 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 9000 | 63.3 | 68.2 | 71.3 | 72.0 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 8000 | 63.3 | 68.2 | 71.3 | 72.0 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 7000 | 63.3 | 68.2 | 71.3 | 72.0 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 6000 | 63.3 | 68.2 | 71.3 | 72.0 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 5000 | 69.2 | 74.1 | 77.3 | 77.9 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 4500 | 69.2 | 74.1 | 77.3 | 77.9 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 4000 | 69.2 | 74.1 | 77.3 | 77.9 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 3500 | 69.2 | 74.1 | 77.3 | 77.9 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 3000 | 70.1 | 75.1 | 78.3 | 78.8 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| GE 2500 | 71.1 | 76.0 | 79.5 | 79.8 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| GE 2000 | 77.2 | 82.6 | 86.1 | 86.4 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 1800 | 77.4 | 82.8 | 86.4 | 86.6 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 1500 | 87.1 | 93.4 | 96.7 | 97.2 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 1200 | 88.5 | 94.8 | 98.4 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1000 | 88.5 | 94.8 | 98.4 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 900 | 88.5 | 94.8 | 98.4 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 800 | 88.5 | 94.8 | 98.4 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 700 | 88.5 | 94.8 | 98.4 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 600 | 88.5 | 94.8 | 98.4 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 500 | 88.5 | 94.8 | 98.4 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 400 | 88.5 | 94.8 | 98.4 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 300 | 88.5 | 94.8 | 98.4 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 200 | 88.5 | 94.8 | 98.4 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 100 | 88.5 | 94.8 | 98.4 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 0 | 88.5 | 94.8 | 98.4 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS: 425

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|-------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3 | GE 2 | |
| NO CEIL | 27.3 | 30.6 | 33.5 | 33.5 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.4 | 34.4 | 34.4 | | |
| GE 20000 | 41.6 | 45.4 | 48.5 | 48.5 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 | 49.3 | 49.3 | | |
| GE 18000 | 41.6 | 45.4 | 48.5 | 48.5 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 | 49.3 | 49.3 | | |
| GE 16000 | 41.6 | 45.4 | 48.5 | 48.5 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 | 49.3 | 49.3 | | |
| GE 14000 | 42.3 | 46.0 | 49.1 | 49.1 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 50.0 | 50.0 | 50.0 | | |
| GE 12000 | .2 | 59.7 | 65.9 | 69.2 | 69.4 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.3 | 70.3 | 70.3 | 70.5 | 70.5 | 70.5 |
| GE 10000 | .2 | 59.7 | 65.9 | 69.2 | 69.4 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.3 | 70.3 | 70.3 | 70.5 | 70.5 | 70.5 |
| GE 9000 | .2 | 59.7 | 65.9 | 69.2 | 69.4 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.3 | 70.3 | 70.3 | 70.5 | 70.5 | 70.5 |
| GE 8000 | .2 | 59.7 | 65.9 | 69.2 | 69.4 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.3 | 70.3 | 70.3 | 70.5 | 70.5 | 70.5 |
| GE 7000 | .2 | 59.7 | 65.9 | 69.2 | 69.4 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.3 | 70.3 | 70.3 | 70.5 | 70.5 | 70.5 |
| GE 6000 | .2 | 59.7 | 65.9 | 69.2 | 69.4 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.3 | 70.3 | 70.3 | 70.5 | 70.5 | 70.5 |
| GE 5000 | .2 | 65.4 | 71.6 | 74.7 | 75.1 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.0 | 76.0 | 76.0 | 76.2 | 76.2 | 75.2 | 75.2 |
| GE 4500 | .2 | 65.4 | 71.6 | 74.7 | 75.1 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.0 | 76.0 | 76.0 | 76.2 | 76.2 | 75.2 | 75.2 |
| GE 4000 | .2 | 65.4 | 71.6 | 74.7 | 75.1 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.0 | 76.0 | 76.0 | 76.2 | 76.2 | 75.2 | 75.2 |
| GE 3500 | .2 | 65.4 | 71.6 | 74.7 | 75.1 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.0 | 76.0 | 76.0 | 76.2 | 76.2 | 75.2 | 75.2 |
| GE 3000 | .2 | 65.4 | 71.6 | 74.7 | 75.1 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.2 | 76.2 | 75.2 | 76.4 | 75.4 | 75.4 | 75.4 |
| GE 2500 | .2 | 65.6 | 71.8 | 75.1 | 75.3 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.4 | 76.4 | 76.4 | 76.7 | 76.7 | 75.7 | 75.7 |
| GE 2000 | .2 | 70.9 | 77.1 | 80.3 | 81.1 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 82.2 | 82.2 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 1800 | .2 | 70.9 | 77.1 | 80.3 | 81.1 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 82.2 | 82.2 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 1500 | .2 | 82.2 | 89.4 | 93.5 | 93.8 | 94.7 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 1200 | .2 | 84.8 | 92.5 | 97.1 | 97.4 | 98.2 | 98.2 | 98.7 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1000 | .2 | 85.0 | 93.0 | 97.5 | 98.0 | 98.9 | 98.9 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | .2 | 85.0 | 93.0 | 97.5 | 98.0 | 98.9 | 98.9 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | .2 | 85.0 | 93.0 | 97.5 | 98.0 | 98.9 | 98.9 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | .2 | 85.0 | 93.0 | 97.5 | 98.0 | 98.9 | 98.9 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | .2 | 85.0 | 93.0 | 97.5 | 98.0 | 98.9 | 98.9 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | .2 | 85.0 | 93.0 | 97.5 | 98.0 | 98.9 | 98.9 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | .2 | 85.0 | 93.0 | 97.5 | 98.0 | 98.9 | 98.9 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | .2 | 85.0 | 93.0 | 97.5 | 98.0 | 98.9 | 98.9 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | .2 | 85.0 | 93.0 | 97.5 | 98.0 | 98.9 | 98.9 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | .2 | 85.0 | 93.0 | 97.5 | 98.0 | 98.9 | 98.9 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 454

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP JOURNALIST: J903-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|-------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 | |
| NO CEIL | | | 27.0 | 30.2 | 32.5 | 32.6 | 33.6 | 33.6 | 33.8 | 33.8 | 33.8 | 33.9 | 33.8 | 34.1 | 34.1 | 34.1 | 34.1 | |
| GE 20000 | 40.1 | 44.8 | 47.2 | 47.9 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| GE 18000 | 42.1 | 44.8 | 47.2 | 47.9 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| GE 16000 | 40.1 | 44.8 | 47.2 | 47.9 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| GE 14000 | 41.6 | 46.2 | 49.2 | 49.9 | 50.9 | 50.9 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| GE 12000 | 60.3 | 66.7 | 70.5 | 70.6 | 71.5 | 71.5 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 10000 | 60.3 | 66.7 | 70.5 | 70.6 | 71.5 | 71.5 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 9000 | 60.3 | 66.7 | 70.5 | 70.6 | 71.5 | 71.5 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 8000 | 60.3 | 66.7 | 70.5 | 70.6 | 71.5 | 71.5 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 7000 | 60.3 | 66.7 | 70.5 | 70.6 | 71.5 | 71.5 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 6000 | 60.3 | 66.7 | 70.5 | 70.6 | 71.5 | 71.5 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 5000 | 67.4 | 73.7 | 77.5 | 77.6 | 78.6 | 78.6 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 4500 | 67.4 | 73.7 | 77.5 | 77.6 | 78.6 | 78.6 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 4000 | 67.4 | 73.7 | 77.5 | 77.6 | 78.6 | 78.6 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 3500 | 67.4 | 73.7 | 77.5 | 77.6 | 78.6 | 78.6 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 3000 | 67.6 | 74.0 | 77.9 | 77.9 | 78.8 | 78.8 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 2500 | 67.6 | 74.0 | 77.9 | 77.9 | 78.8 | 78.8 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 2000 | 71.5 | 77.9 | 81.3 | 81.3 | 82.7 | 82.7 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 1800 | 71.5 | 78.1 | 82.0 | 82.0 | 83.0 | 83.0 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 1500 | 79.8 | 87.1 | 92.2 | 92.2 | 93.2 | 93.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 1200 | 83.7 | 91.7 | 96.3 | 96.3 | 97.8 | 97.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1000 | 83.7 | 92.2 | 97.3 | 97.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 83.7 | 92.2 | 97.3 | 97.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 83.7 | 92.2 | 97.3 | 97.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 83.7 | 92.2 | 97.3 | 97.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 83.7 | 92.2 | 97.3 | 97.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 83.7 | 92.2 | 97.3 | 97.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 83.7 | 92.2 | 97.3 | 97.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 83.7 | 92.2 | 97.3 | 97.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 83.7 | 92.2 | 97.3 | 97.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 83.7 | 92.2 | 97.3 | 97.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 83.7 | 92.2 | 97.3 | 97.3 | 98.3 | 98.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 411

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP DURS(EST): 3500-3800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | .4 | 28.8 | 38.2 | 41.3 | 41.7 | 42.8 | 42.8 | 43.0 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | |
| GE 20000 | .4 | 36.0 | 49.1 | 52.4 | 52.8 | 53.9 | 53.9 | 54.1 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | |
| GE 18000 | .4 | 36.0 | 49.1 | 52.4 | 52.8 | 53.9 | 53.9 | 54.1 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | |
| GE 16000 | .4 | 36.0 | 49.1 | 52.4 | 52.8 | 53.9 | 53.9 | 54.1 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | |
| GE 14000 | .4 | 36.7 | 49.8 | 53.1 | 53.5 | 54.6 | 54.6 | 54.8 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | |
| GE 12000 | .4 | 49.8 | 69.0 | 72.7 | 73.4 | 74.5 | 74.5 | 74.7 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | |
| GE 10000 | .4 | 49.8 | 69.4 | 73.5 | 74.0 | 75.1 | 75.1 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | |
| GE 9000 | .4 | 49.8 | 69.4 | 73.5 | 74.0 | 75.1 | 75.1 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | |
| GE 8000 | .4 | 49.8 | 69.4 | 73.5 | 74.0 | 75.1 | 75.1 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | |
| GE 7000 | .4 | 49.8 | 69.4 | 73.5 | 74.0 | 75.1 | 75.1 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | |
| GE 6000 | .4 | 49.8 | 69.4 | 73.5 | 74.0 | 75.1 | 75.1 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | |
| GE 5000 | .4 | 56.1 | 75.8 | 79.7 | 80.3 | 81.4 | 81.4 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | |
| GE 4500 | .4 | 56.1 | 75.8 | 79.7 | 80.3 | 81.4 | 81.4 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | |
| GE 4000 | .4 | 56.1 | 75.8 | 79.7 | 80.3 | 81.4 | 81.4 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | |
| GE 3500 | .4 | 56.1 | 75.8 | 79.7 | 80.3 | 81.4 | 81.4 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | |
| GE 3000 | .4 | 57.0 | 76.6 | 80.3 | 81.2 | 82.3 | 82.3 | 82.5 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | |
| GE 2500 | .4 | 57.0 | 76.6 | 80.3 | 81.2 | 82.3 | 82.3 | 82.5 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | |
| GE 2000 | .4 | 57.0 | 77.3 | 81.4 | 81.9 | 83.0 | 83.0 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | |
| GE 1800 | .4 | 57.2 | 77.5 | 81.7 | 82.1 | 83.2 | 83.2 | 83.4 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | |
| GE 1500 | .4 | 63.8 | 84.7 | 89.7 | 90.2 | 91.5 | 91.5 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | |
| GE 1200 | .4 | 67.5 | 90.4 | 96.3 | 96.7 | 98.0 | 98.0 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | |
| GE 1000 | .4 | 68.3 | 91.9 | 97.3 | 98.3 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 900 | .4 | 68.3 | 91.9 | 97.3 | 98.3 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 800 | .4 | 68.3 | 91.9 | 97.3 | 98.3 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 700 | .4 | 68.3 | 91.9 | 97.3 | 98.3 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 600 | .4 | 68.3 | 91.9 | 97.3 | 98.3 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 500 | .4 | 68.3 | 91.9 | 97.3 | 98.3 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 400 | .4 | 68.3 | 91.9 | 97.3 | 98.3 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 300 | .4 | 68.3 | 91.9 | 97.3 | 98.3 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 200 | .4 | 68.3 | 91.9 | 97.3 | 98.3 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 100 | .4 | 68.3 | 91.9 | 97.3 | 98.3 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 01 | .4 | 68.3 | 91.9 | 97.3 | 98.3 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 458

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP 40JRS(LST): 3303-3503

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3 |
| NO CEIL | | 34.6 | 43.1 | 45.5 | 45.5 | 45.6 | 46.6 | 46.6 | 46.6 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 |
| GE 20000 | | 38.4 | 49.0 | 51.3 | 51.8 | 52.9 | 52.9 | 53.1 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| GE 18000 | | 38.4 | 49.0 | 51.3 | 51.8 | 52.9 | 52.9 | 53.1 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| GE 16000 | | 38.4 | 49.0 | 51.3 | 51.8 | 52.9 | 52.9 | 53.1 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| GE 14000 | | 39.2 | 50.1 | 52.7 | 52.9 | 54.0 | 54.0 | 54.2 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 12000 | | 50.7 | 66.8 | 69.3 | 69.8 | 70.8 | 70.8 | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 10000 | | 51.0 | 67.0 | 70.3 | 70.3 | 71.1 | 71.1 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 9000 | | 51.0 | 67.0 | 70.3 | 70.3 | 71.1 | 71.1 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 8000 | | 51.0 | 67.0 | 70.3 | 70.3 | 71.1 | 71.1 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 7000 | | 51.0 | 67.0 | 70.3 | 70.3 | 71.1 | 71.1 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 6000 | | 51.0 | 67.0 | 70.3 | 70.3 | 71.1 | 71.1 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 5000 | | 57.8 | 73.8 | 76.3 | 76.8 | 77.9 | 77.9 | 78.2 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| GE 4500 | | 57.8 | 73.8 | 76.3 | 76.8 | 77.9 | 77.9 | 78.2 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| GE 4000 | | 57.8 | 73.8 | 76.3 | 76.8 | 77.9 | 77.9 | 78.2 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| GE 3500 | | 57.8 | 73.8 | 76.3 | 76.8 | 77.9 | 77.9 | 78.2 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| GE 3000 | | 60.2 | 76.6 | 79.5 | 79.6 | 80.7 | 80.7 | 80.9 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 2500 | | 60.5 | 76.8 | 79.3 | 79.8 | 80.9 | 80.9 | 81.2 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 2000 | | 60.8 | 77.1 | 80.4 | 80.4 | 81.5 | 81.5 | 81.7 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 1800 | | 60.8 | 77.1 | 80.4 | 80.4 | 81.5 | 81.5 | 81.7 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 1500 | | 68.7 | 85.3 | 88.5 | 88.6 | 89.6 | 89.6 | 89.9 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 1200 | | 74.4 | 93.2 | 97.3 | 97.3 | 98.4 | 98.4 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1000 | | 74.7 | 93.7 | 97.5 | 97.5 | 98.9 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | | 74.7 | 93.7 | 97.5 | 97.5 | 98.9 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | | 74.7 | 93.7 | 97.5 | 97.5 | 98.9 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | | 74.7 | 93.7 | 97.5 | 97.5 | 98.9 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | | 74.9 | 94.0 | 97.3 | 97.8 | 99.2 | 99.2 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | | 74.9 | 94.0 | 97.3 | 97.8 | 99.2 | 99.2 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | | 74.9 | 94.0 | 97.3 | 97.8 | 99.2 | 99.2 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | | 74.9 | 94.0 | 97.3 | 97.8 | 99.2 | 99.2 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | | 74.9 | 94.0 | 97.3 | 97.8 | 99.2 | 99.2 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | | 74.9 | 94.0 | 97.3 | 97.8 | 99.2 | 99.2 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | | 74.9 | 94.0 | 97.3 | 97.8 | 99.2 | 99.2 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 357

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: SEP COURSE(S): 3003-3203

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | .2 | 36.3 | 47.6 | 49.3 | 49.6 | 49.8 | 49.8 | 50.4 | 50.4 | 50.4 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| GE 20000 | .2 | 43.3 | 59.5 | 60.7 | 60.9 | 61.1 | 61.1 | 62.0 | 62.0 | 62.0 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| GE 18000 | .2 | 43.3 | 58.5 | 60.7 | 60.9 | 61.1 | 61.1 | 62.0 | 62.0 | 62.0 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| GE 16000 | .2 | 43.3 | 58.5 | 60.7 | 60.9 | 61.1 | 61.1 | 62.0 | 62.0 | 62.0 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| GE 14000 | .2 | 44.3 | 59.8 | 62.3 | 62.2 | 62.4 | 62.4 | 63.3 | 63.3 | 63.3 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 12000 | .2 | 54.6 | 74.6 | 78.3 | 78.3 | 78.5 | 78.5 | 79.3 | 79.3 | 79.3 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 10000 | .2 | 54.6 | 74.6 | 78.3 | 78.3 | 78.5 | 78.5 | 79.3 | 79.3 | 79.3 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 9000 | .2 | 54.6 | 74.6 | 78.3 | 78.3 | 78.5 | 78.5 | 79.3 | 79.3 | 79.3 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 8000 | .2 | 54.6 | 74.6 | 78.3 | 78.3 | 78.5 | 78.5 | 79.3 | 79.3 | 79.3 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 7000 | .2 | 54.6 | 74.6 | 78.3 | 78.3 | 78.5 | 78.5 | 79.3 | 79.3 | 79.3 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 6000 | .2 | 54.6 | 74.6 | 78.3 | 78.3 | 78.5 | 78.5 | 79.3 | 79.3 | 79.3 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 5000 | .2 | 60.9 | 80.9 | 84.3 | 84.6 | 84.8 | 84.8 | 85.7 | 85.7 | 85.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 4500 | .2 | 60.9 | 80.9 | 84.3 | 84.6 | 84.8 | 84.8 | 85.7 | 85.7 | 85.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 4000 | .2 | 60.9 | 80.9 | 84.3 | 84.6 | 84.8 | 84.8 | 85.7 | 85.7 | 85.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 3500 | .2 | 60.9 | 80.9 | 84.3 | 84.6 | 84.8 | 84.8 | 85.7 | 85.7 | 85.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 3000 | .2 | 62.0 | 82.6 | 86.3 | 86.5 | 87.0 | 87.3 | 87.8 | 87.8 | 87.8 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 2500 | .2 | 62.0 | 83.0 | 86.7 | 87.0 | 87.4 | 87.4 | 88.3 | 88.3 | 88.3 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 2000 | .2 | 62.0 | 83.0 | 87.3 | 87.2 | 87.6 | 87.6 | 88.5 | 88.5 | 88.5 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 1800 | .2 | 62.0 | 83.0 | 87.3 | 87.2 | 87.6 | 87.6 | 88.5 | 88.5 | 88.5 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 1600 | .2 | 66.5 | 88.3 | 92.3 | 92.8 | 93.3 | 93.3 | 94.1 | 94.1 | 94.1 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 1500 | .2 | 66.5 | 88.3 | 92.3 | 92.8 | 93.3 | 93.3 | 94.1 | 94.1 | 94.1 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 1200 | .2 | 68.7 | 92.4 | 96.7 | 97.0 | 97.6 | 97.4 | 98.3 | 98.3 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1000 | .2 | 69.3 | 93.7 | 98.3 | 98.3 | 98.7 | 98.7 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | .2 | 69.3 | 93.7 | 98.3 | 98.3 | 98.7 | 98.7 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | .2 | 69.3 | 93.7 | 98.3 | 98.3 | 98.7 | 98.7 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | .2 | 69.3 | 93.7 | 98.3 | 98.3 | 98.7 | 98.7 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | .2 | 69.3 | 93.7 | 98.3 | 98.3 | 98.7 | 98.7 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | .2 | 69.3 | 93.7 | 98.3 | 98.3 | 98.7 | 98.7 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | .2 | 69.3 | 93.7 | 98.3 | 98.3 | 98.7 | 98.7 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | .2 | 69.3 | 93.7 | 98.3 | 98.3 | 98.7 | 98.7 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | .2 | 69.3 | 93.7 | 98.3 | 98.3 | 98.7 | 98.7 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | .2 | 69.3 | 93.7 | 98.3 | 98.3 | 98.7 | 98.7 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | .2 | 69.3 | 93.7 | 98.3 | 98.3 | 98.7 | 98.7 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 450

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS/DAY: ALL

| CEILING IN FEET | GE | VISIBILITY IN 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 |
| NO CLIL | .0 | 28.4 | 34.0 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.3 | 34.3 | 34.3 | 34.4 | 34.4 | 34.4 | 34.4 |
| GE 2000 | .1 | 38.3 | 45.1 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.5 | 45.5 | 45.5 | 45.5 | 45.6 | 45.6 | 45.6 |
| GE 1800 | .1 | 38.3 | 45.1 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.5 | 45.5 | 45.5 | 45.5 | 45.6 | 45.6 | 45.6 |
| GE 1600 | .1 | 38.3 | 45.1 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.5 | 45.5 | 45.5 | 45.6 | 45.6 | 45.6 | 45.6 |
| GE 1400 | .1 | 39.3 | 46.3 | 46.3 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.8 | 46.8 | 46.8 | 46.8 |
| GE 1200 | .1 | 57.8 | 67.4 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 |
| GE 1000 | .1 | 57.9 | 67.5 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.6 | 68.6 | 68.6 | 68.7 |
| GE 900 | .1 | 57.9 | 67.5 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.6 | 68.6 | 68.6 | 68.7 |
| GE 800 | .1 | 57.9 | 67.5 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.6 | 68.6 | 68.7 | 68.7 |
| GE 700 | .1 | 57.9 | 67.5 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.6 | 68.7 | 68.7 | 68.7 |
| GE 600 | .1 | 57.9 | 67.5 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 |
| GE 500 | .1 | 62.8 | 72.5 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.4 | 73.5 | 73.5 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 | 73.7 |
| GE 4500 | .1 | 62.9 | 72.5 | 73.3 | 73.3 | 73.3 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 400 | .1 | 62.9 | 72.5 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 350 | .1 | 62.9 | 72.5 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 300 | .1 | 63.9 | 73.8 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.8 | 74.9 | 74.9 | 74.9 | 75.0 | 75.0 | 75.0 | 75.0 | 75.1 |
| GE 2500 | .1 | 64.4 | 74.4 | 75.2 | 75.2 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.5 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 |
| GE 2000 | .1 | 69.8 | 80.1 | 81.3 | 81.3 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.5 |
| GE 1800 | .1 | 69.9 | 80.2 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.6 |
| GE 1500 | .1 | 80.7 | 92.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 |
| GE 1200 | .1 | 84.0 | 96.8 | 98.3 | 98.3 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.7 |
| GE 1000 | .1 | 85.0 | 97.8 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| GE 900 | .1 | 85.0 | 97.8 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| GE 800 | .1 | 85.0 | 97.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| GE 700 | .1 | 85.0 | 97.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| GE 600 | .1 | 85.0 | 97.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| GE 500 | .1 | 85.0 | 97.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 |
| GE 400 | .1 | 85.0 | 97.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 |
| GE 300 | .1 | 85.1 | 98.0 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |
| GE 200 | .1 | 85.1 | 98.0 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 |
| GE 100 | .1 | 85.1 | 98.0 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 |
| GE 0 | .1 | 85.1 | 98.0 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 3515

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | 32.0 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.4 | 39.4 | 39.4 | 39.4 | 39.7 |
| GE 20000 | .2 | 44.1 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 53.0 | 53.0 | 53.0 | 53.0 | 53.2 |
| GE 18000 | .2 | 44.1 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 53.0 | 53.0 | 53.0 | 53.0 | 53.2 |
| GE 16000 | .2 | 44.1 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 53.0 | 53.0 | 53.0 | 53.0 | 53.2 |
| GE 14000 | .2 | 45.1 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.9 | 53.9 | 53.9 | 53.9 | 54.2 |
| GE 12000 | .2 | 58.1 | 70.9 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.9 | 71.9 | 71.9 | 72.2 | 72.2 | 72.2 | 72.4 |
| GE 10000 | .2 | 58.1 | 70.9 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.9 | 71.9 | 71.9 | 72.2 | 72.2 | 72.2 | 72.4 |
| GE 9000 | .2 | 58.1 | 70.9 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.9 | 71.9 | 71.9 | 72.2 | 72.2 | 72.2 | 72.4 |
| GE 8000 | .2 | 58.1 | 70.9 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.9 | 71.9 | 71.9 | 72.2 | 72.2 | 72.2 | 72.4 |
| GE 7000 | .2 | 58.1 | 70.9 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.9 | 71.9 | 71.9 | 72.2 | 72.2 | 72.2 | 72.4 |
| GE 6000 | .2 | 58.1 | 70.9 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.9 | 71.9 | 71.9 | 72.2 | 72.2 | 72.2 | 72.4 |
| GE 5000 | .2 | 66.5 | 79.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.8 |
| GE 4500 | .2 | 66.5 | 79.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.8 |
| GE 4000 | .2 | 66.5 | 79.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.8 |
| GE 3500 | .2 | 66.5 | 79.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.8 |
| GE 3000 | .2 | 69.2 | 82.8 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.7 | 84.0 | 84.0 | 84.2 | 84.2 | 84.2 | 84.5 |
| GE 2500 | .2 | 69.5 | 83.0 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 84.0 | 84.2 | 84.2 | 84.5 | 84.5 | 84.5 | 84.7 |
| GE 2000 | .2 | 71.4 | 85.0 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 86.0 | 86.2 | 86.2 | 86.5 | 86.5 | 86.5 | 86.7 |
| GE 1800 | .2 | 71.4 | 85.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.5 | 86.7 | 86.7 | 86.9 | 86.9 | 86.9 | 87.2 |
| GE 1500 | .2 | 78.6 | 92.9 | 93.3 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 94.1 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.8 |
| GE 1200 | .2 | 81.5 | 96.1 | 97.3 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.3 | 98.5 | 98.5 | 98.8 | 98.8 | 98.8 | 99.3 |
| GE 1000 | .2 | 82.0 | 96.6 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 |
| GE 900 | .2 | 82.0 | 96.6 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 |
| GE 800 | .2 | 82.0 | 96.6 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 |
| GE 700 | .2 | 82.0 | 96.6 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 |
| GE 600 | .2 | 82.0 | 96.6 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 |
| GE 500 | .2 | 82.3 | 96.8 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 100.0 |
| GE 400 | .2 | 82.3 | 96.8 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 100.0 |
| GE 300 | .2 | 82.3 | 96.8 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 100.0 |
| GE 200 | .2 | 82.3 | 96.8 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 100.0 |
| GE 100 | .2 | 82.3 | 96.8 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 100.0 |
| GE 00 | .2 | 82.3 | 96.8 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 436

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS: 01-11: 1300-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3 |
| NO CEIL | | 21.8 | 23.9 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.4 | 24.4 | 24.4 | 24.4 |
| GE 20000 | .2 | 34.2 | 37.2 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| GE 18000 | .2 | 34.2 | 37.2 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| GE 16000 | .2 | 34.2 | 37.2 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| GE 14000 | .2 | 35.3 | 38.2 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.7 | 38.7 | 38.7 | 38.7 |
| GE 12000 | .2 | 60.3 | 63.7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 10000 | .2 | 60.3 | 63.7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 9000 | .2 | 60.3 | 63.7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 8000 | .2 | 60.5 | 63.9 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 |
| GE 7000 | .2 | 60.5 | 63.9 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 |
| GE 6000 | .2 | 60.5 | 63.9 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 |
| GE 5000 | .2 | 67.7 | 71.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 4500 | .2 | 67.7 | 71.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 4000 | .2 | 67.7 | 71.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 3500 | .2 | 67.7 | 71.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 3000 | .2 | 68.8 | 72.9 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.9 | 73.9 | 73.9 | 73.9 |
| GE 2500 | .2 | 69.4 | 73.5 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 |
| GE 2000 | .2 | 77.1 | 81.6 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 1800 | .2 | 77.1 | 81.6 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 1500 | .2 | 88.5 | 93.4 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 1200 | .2 | 92.3 | 97.9 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1000 | .2 | 92.7 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 900 | .2 | 92.7 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 800 | .2 | 92.7 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 700 | .2 | 92.7 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 600 | .2 | 92.9 | 98.5 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 100.0 |
| GE 500 | .2 | 92.9 | 98.5 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 100.0 |
| GE 400 | .2 | 92.9 | 98.5 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 100.0 |
| GE 300 | .2 | 92.9 | 98.5 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 100.0 |
| GE 200 | .2 | 92.9 | 98.5 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 100.0 |
| GE 100 | .2 | 92.9 | 98.5 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 100.0 |
| GE 0 | .2 | 92.9 | 98.5 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 458

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(LST): 2600-2800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 5 1/2 | 6 | 6 1/2 | 7 | 7 1/2 | 8 | 8 1/2 | 9 | 9 1/2 | 10 |
| NO CEIL | 1 | .2 | 23.1 | 45.1 | 55.7 | 56.7 | 58.4 | 59.0 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| GE 20000 | .2 | 26.1 | 51.0 | 62.3 | 63.1 | 64.7 | 65.3 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 18000 | .2 | 26.1 | 51.0 | 62.3 | 63.1 | 64.7 | 65.3 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 16000 | .2 | 26.1 | 51.0 | 62.3 | 63.1 | 64.7 | 65.3 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 14000 | .2 | 26.1 | 51.0 | 62.3 | 63.1 | 64.7 | 65.3 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 12000 | .2 | 26.1 | 51.0 | 62.3 | 63.1 | 64.7 | 65.3 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 10000 | .2 | 31.4 | 61.4 | 74.1 | 75.1 | 77.3 | 78.0 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 9000 | .2 | 31.4 | 61.4 | 74.1 | 75.1 | 77.3 | 78.0 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 8000 | .2 | 31.4 | 61.4 | 74.1 | 75.1 | 77.3 | 78.0 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 7000 | .2 | 31.4 | 61.4 | 74.1 | 75.1 | 77.3 | 78.0 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 6000 | .2 | 31.4 | 61.4 | 74.1 | 75.1 | 77.3 | 78.0 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 5000 | .2 | 43.1 | 73.1 | 85.7 | 86.7 | 89.0 | 89.6 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 4500 | .2 | 43.1 | 73.1 | 85.7 | 86.7 | 89.0 | 89.6 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 4000 | .2 | 43.1 | 73.1 | 85.7 | 86.7 | 89.0 | 89.6 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 3500 | .2 | 43.1 | 73.1 | 85.7 | 86.7 | 89.0 | 89.6 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 3000 | .2 | 43.5 | 73.5 | 86.3 | 87.3 | 89.6 | 90.2 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 2500 | .2 | 43.5 | 73.5 | 86.3 | 87.3 | 89.6 | 90.2 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 2000 | .2 | 43.5 | 73.7 | 86.5 | 87.6 | 89.8 | 90.4 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 1800 | .2 | 43.5 | 73.7 | 86.5 | 87.6 | 89.8 | 90.4 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 1500 | .2 | 45.9 | 77.3 | 90.5 | 91.6 | 94.1 | 94.7 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 1200 | .2 | 47.8 | 80.2 | 93.7 | 94.7 | 97.1 | 97.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1000 | .2 | 47.8 | 80.6 | 94.1 | 95.1 | 97.8 | 98.4 | 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 |
| GE 900 | .2 | 47.8 | 80.6 | 94.1 | 95.1 | 97.8 | 98.4 | 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 |
| GE 800 | .2 | 47.8 | 80.6 | 94.1 | 95.1 | 97.8 | 98.4 | 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 |
| GE 700 | .2 | 47.8 | 80.6 | 94.1 | 95.1 | 97.8 | 98.4 | 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 |
| GE 600 | .2 | 47.8 | 80.6 | 94.1 | 95.1 | 97.8 | 98.4 | 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 |
| GE 500 | .2 | 47.8 | 80.6 | 94.1 | 95.1 | 97.8 | 98.4 | 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 |
| GE 400 | .2 | 47.8 | 80.6 | 94.1 | 95.1 | 97.8 | 98.4 | 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 |
| GE 300 | .2 | 47.8 | 80.6 | 94.1 | 95.1 | 97.8 | 98.4 | 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 |
| GE 200 | .2 | 47.8 | 80.6 | 94.1 | 95.1 | 97.8 | 98.4 | 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 |
| GE 100 | .2 | 47.8 | 80.6 | 94.1 | 95.1 | 97.8 | 98.4 | 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 |
| GE 0 | .2 | 47.8 | 80.6 | 94.1 | 95.1 | 97.8 | 98.4 | 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 |

TOTAL NUMBER OF OBSERVATIONS: 490

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILINGS VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT DURS(IST): 3903-1100

| CEILINGS IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|---------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3 | |
| NO CEIL | .2 | 25.9 | 35.0 | 41.5 | 42.2 | 44.6 | 44.6 | 45.8 | 46.0 | 46.0 | 46.0 | 46.3 | 46.3 | 45.3 | 46.3 | 46.3 | |
| GE 20000 | .2 | 37.2 | 49.6 | 59.7 | 60.4 | 63.1 | 63.1 | 64.5 | 64.7 | 64.7 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | |
| GE 18000 | .2 | 37.2 | 49.6 | 59.7 | 60.4 | 63.1 | 63.1 | 64.5 | 64.7 | 64.7 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | |
| GE 16000 | .2 | 37.2 | 49.6 | 59.7 | 60.4 | 63.1 | 63.1 | 64.5 | 64.7 | 64.7 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | |
| GE 14000 | .2 | 37.9 | 50.4 | 60.7 | 61.4 | 64.0 | 64.0 | 65.5 | 65.7 | 65.7 | 65.7 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | |
| GE 12000 | .2 | 47.2 | 60.4 | 71.9 | 72.7 | 75.3 | 75.3 | 77.7 | 77.9 | 77.9 | 78.2 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | |
| GE 10000 | .2 | 47.2 | 60.7 | 72.2 | 72.9 | 75.5 | 75.5 | 77.9 | 78.2 | 78.2 | 78.4 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | |
| GE 9000 | .2 | 47.2 | 60.7 | 72.2 | 72.9 | 75.5 | 75.5 | 77.9 | 78.2 | 78.2 | 78.4 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | |
| GE 8000 | .2 | 47.2 | 60.7 | 72.2 | 72.9 | 75.5 | 75.5 | 77.9 | 78.2 | 78.2 | 78.4 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | |
| GE 7000 | .2 | 47.2 | 60.7 | 72.2 | 72.9 | 75.5 | 75.5 | 77.9 | 78.2 | 78.2 | 78.4 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | |
| GE 6000 | .2 | 47.2 | 60.7 | 72.2 | 72.9 | 75.5 | 75.5 | 77.9 | 78.2 | 78.2 | 78.4 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | |
| GE 5000 | .2 | 62.1 | 75.5 | 87.1 | 87.8 | 90.4 | 90.4 | 92.8 | 93.0 | 93.0 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | |
| GE 4500 | .2 | 62.1 | 75.5 | 87.1 | 87.8 | 90.4 | 90.4 | 92.8 | 93.0 | 93.0 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | |
| GE 4000 | .2 | 62.1 | 75.5 | 87.1 | 87.8 | 90.4 | 90.4 | 92.8 | 93.0 | 93.0 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | |
| GE 3500 | .2 | 62.1 | 75.5 | 87.1 | 87.8 | 90.4 | 90.4 | 92.8 | 93.0 | 93.0 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | |
| GE 3000 | .2 | 62.8 | 76.3 | 87.3 | 88.5 | 91.1 | 91.1 | 93.5 | 93.8 | 93.8 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | |
| GE 2500 | .2 | 62.8 | 76.3 | 87.3 | 88.5 | 91.1 | 91.1 | 93.5 | 93.8 | 93.8 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | |
| GE 2000 | .2 | 64.0 | 77.7 | 89.2 | 89.9 | 92.6 | 92.6 | 95.0 | 95.2 | 95.2 | 95.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | |
| GE 1800 | .2 | 64.0 | 77.7 | 89.2 | 89.9 | 92.6 | 92.6 | 95.0 | 95.2 | 95.2 | 95.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | |
| GE 1500 | .2 | 66.4 | 80.3 | 92.1 | 92.9 | 95.4 | 95.4 | 97.8 | 98.1 | 98.1 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | |
| GE 1200 | .2 | 67.4 | 81.5 | 93.3 | 94.2 | 96.9 | 96.9 | 99.3 | 99.5 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 1000 | .2 | 67.4 | 81.5 | 93.3 | 94.2 | 96.9 | 96.9 | 99.3 | 99.5 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 900 | .2 | 67.4 | 81.5 | 93.3 | 94.2 | 96.9 | 96.9 | 99.3 | 99.5 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 800 | .2 | 67.4 | 81.5 | 93.3 | 94.2 | 96.9 | 96.9 | 99.3 | 99.5 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 700 | .2 | 67.4 | 81.5 | 93.3 | 94.2 | 96.9 | 96.9 | 99.3 | 99.5 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 600 | .2 | 67.4 | 81.5 | 93.3 | 94.2 | 96.9 | 96.9 | 99.3 | 99.5 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 500 | .2 | 67.4 | 81.5 | 93.3 | 94.2 | 96.9 | 96.9 | 99.3 | 99.5 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 400 | .2 | 67.4 | 81.5 | 93.3 | 94.2 | 96.9 | 96.9 | 99.3 | 99.5 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 300 | .2 | 67.4 | 81.5 | 93.3 | 94.2 | 96.9 | 96.9 | 99.3 | 99.5 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 200 | .2 | 67.4 | 81.5 | 93.3 | 94.2 | 96.9 | 96.9 | 99.3 | 99.5 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 100 | .2 | 67.4 | 81.5 | 93.3 | 94.2 | 96.9 | 96.9 | 99.3 | 99.5 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 0 | .2 | 67.4 | 81.5 | 93.3 | 94.2 | 96.9 | 96.9 | 99.3 | 99.5 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 417

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT COURSE(S): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3 |
| NO CEIL | 26.1 | 32.7 | 39.5 | 39.3 | 41.8 | 41.8 | 43.8 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| GE 20000 | 45.1 | 56.0 | 65.1 | 65.3 | 67.7 | 67.7 | 69.8 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 18000 | 45.1 | 56.0 | 65.1 | 65.3 | 67.7 | 67.7 | 69.8 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 16000 | 45.1 | 56.0 | 65.1 | 65.0 | 67.7 | 67.7 | 69.8 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 14000 | 45.7 | 56.8 | 65.3 | 65.8 | 68.5 | 68.5 | 70.6 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 12000 | 54.7 | 66.7 | 76.7 | 76.7 | 79.4 | 79.4 | 81.7 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 10000 | 54.7 | 66.7 | 76.7 | 76.7 | 79.4 | 79.4 | 81.7 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 9000 | 54.7 | 66.7 | 76.7 | 76.7 | 79.4 | 79.4 | 81.7 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 8000 | 54.7 | 66.7 | 76.7 | 76.7 | 79.4 | 79.4 | 81.7 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 7000 | 54.7 | 66.7 | 76.7 | 76.7 | 79.4 | 79.4 | 81.7 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 6000 | 54.7 | 66.7 | 76.7 | 76.7 | 79.4 | 79.4 | 81.7 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 5000 | 67.7 | 79.6 | 89.7 | 89.7 | 92.4 | 92.4 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 4500 | 67.7 | 79.6 | 89.7 | 89.7 | 92.4 | 92.4 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 4000 | 67.7 | 79.6 | 89.7 | 89.7 | 92.4 | 92.4 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 3500 | 67.7 | 79.6 | 89.7 | 89.7 | 92.4 | 92.4 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 3000 | 67.7 | 80.0 | 90.1 | 90.1 | 92.8 | 92.8 | 95.1 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 2500 | 67.9 | 80.2 | 90.3 | 90.3 | 93.0 | 93.0 | 95.3 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 2000 | 68.7 | 81.1 | 91.2 | 91.2 | 93.8 | 93.8 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 1800 | 68.7 | 81.1 | 91.2 | 91.2 | 93.8 | 93.8 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 1500 | 70.8 | 83.7 | 93.3 | 93.8 | 96.7 | 96.7 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1200 | 71.2 | 84.2 | 94.2 | 94.2 | 97.3 | 97.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 71.2 | 84.2 | 94.2 | 94.2 | 97.3 | 97.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 71.2 | 84.2 | 94.2 | 94.2 | 97.3 | 97.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 71.2 | 84.2 | 94.2 | 94.2 | 97.3 | 97.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 71.2 | 84.2 | 94.2 | 94.2 | 97.3 | 97.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 71.2 | 84.2 | 94.2 | 94.2 | 97.3 | 97.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 71.2 | 84.2 | 94.2 | 94.2 | 97.3 | 97.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 71.2 | 84.2 | 94.2 | 94.2 | 97.3 | 97.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 71.2 | 84.2 | 94.2 | 94.2 | 97.3 | 97.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 71.2 | 84.2 | 94.2 | 94.2 | 97.3 | 97.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 71.2 | 84.2 | 94.2 | 94.2 | 97.3 | 97.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 01 | 71.2 | 84.2 | 94.2 | 94.2 | 97.3 | 97.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 436

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | 20.8 | 25.3 | 32.1 | 32.6 | 34.6 | 34.6 | 35.7 | 36.4 | 36.4 | 36.4 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| GE 20000 | .2 | 41.2 | 48.6 | 58.5 | 59.3 | 61.3 | 61.3 | 62.4 | 63.1 | 63.1 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 18000 | .2 | 41.2 | 48.6 | 58.5 | 59.3 | 61.3 | 61.3 | 62.4 | 63.1 | 63.1 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 16000 | .2 | 41.2 | 48.6 | 58.5 | 59.3 | 61.3 | 61.3 | 62.4 | 63.1 | 63.1 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 14000 | .2 | 41.6 | 49.1 | 59.3 | 59.7 | 61.8 | 61.8 | 62.9 | 63.6 | 63.6 | 63.6 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 12000 | .2 | 50.0 | 58.6 | 69.5 | 70.4 | 72.6 | 72.6 | 74.2 | 74.9 | 74.9 | 74.9 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 10000 | .2 | 50.0 | 58.6 | 69.5 | 70.4 | 72.6 | 72.6 | 74.2 | 74.9 | 74.9 | 74.9 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 9000 | .2 | 50.0 | 58.6 | 69.5 | 70.4 | 72.6 | 72.6 | 74.2 | 74.9 | 74.9 | 74.9 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 8000 | .2 | 50.0 | 58.6 | 69.5 | 70.4 | 72.6 | 72.6 | 74.2 | 74.9 | 74.9 | 74.9 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 7000 | .2 | 50.0 | 58.6 | 69.5 | 70.4 | 72.6 | 72.6 | 74.2 | 74.9 | 74.9 | 74.9 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 6000 | .2 | 50.0 | 58.6 | 69.5 | 70.4 | 72.6 | 72.6 | 74.2 | 74.9 | 74.9 | 74.9 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 5000 | .2 | 70.1 | 78.7 | 89.5 | 90.5 | 92.8 | 92.8 | 94.3 | 95.0 | 95.0 | 95.0 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 4500 | .2 | 70.1 | 78.7 | 89.5 | 90.5 | 92.8 | 92.8 | 94.3 | 95.0 | 95.0 | 95.0 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 4000 | .2 | 70.1 | 78.7 | 89.5 | 90.5 | 92.8 | 92.8 | 94.3 | 95.0 | 95.0 | 95.0 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 3500 | .2 | 70.1 | 78.7 | 89.5 | 90.5 | 92.8 | 92.8 | 94.3 | 95.0 | 95.0 | 95.0 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 3000 | .2 | 70.1 | 78.7 | 89.5 | 90.5 | 92.8 | 92.8 | 94.3 | 95.0 | 95.0 | 95.0 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 2500 | .2 | 70.4 | 79.0 | 89.3 | 90.7 | 93.0 | 93.0 | 94.6 | 95.2 | 95.2 | 95.2 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 2000 | .2 | 71.5 | 80.3 | 91.2 | 92.1 | 94.3 | 94.3 | 95.9 | 96.6 | 96.6 | 96.6 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 1800 | .2 | 71.5 | 80.3 | 91.2 | 92.1 | 94.3 | 94.3 | 95.9 | 96.6 | 96.6 | 96.6 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 1500 | .2 | 73.1 | 82.4 | 93.9 | 94.8 | 97.1 | 97.1 | 98.6 | 99.3 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1200 | .2 | 73.3 | 82.6 | 94.1 | 95.0 | 97.3 | 97.3 | 98.9 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | .2 | 73.3 | 82.6 | 94.1 | 95.0 | 97.3 | 97.3 | 98.9 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | .2 | 73.3 | 82.6 | 94.1 | 95.0 | 97.3 | 97.3 | 98.9 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | .2 | 73.3 | 82.6 | 94.1 | 95.0 | 97.3 | 97.3 | 98.9 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | .2 | 73.3 | 82.6 | 94.1 | 95.0 | 97.3 | 97.3 | 98.9 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | .2 | 73.3 | 82.6 | 94.1 | 95.0 | 97.3 | 97.3 | 98.9 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | .2 | 73.3 | 82.6 | 94.1 | 95.0 | 97.3 | 97.3 | 98.9 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | .2 | 73.3 | 82.6 | 94.1 | 95.0 | 97.3 | 97.3 | 98.9 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | .2 | 73.3 | 82.6 | 94.1 | 95.0 | 97.3 | 97.3 | 98.9 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | .2 | 73.3 | 82.6 | 94.1 | 95.0 | 97.3 | 97.3 | 98.9 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | .2 | 73.3 | 82.6 | 94.1 | 95.0 | 97.3 | 97.3 | 98.9 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | .2 | 73.3 | 82.6 | 94.1 | 95.0 | 97.3 | 97.3 | 98.9 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 442

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(EST): 1800-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|-------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE | |
| NO CEIL | | | 23.7 | 31.3 | 36.3 | 36.8 | 37.9 | 38.1 | 39.1 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| GE 20000 | | | 43.2 | 56.2 | 63.3 | 63.0 | 64.0 | 64.2 | 65.2 | 65.8 | 65.8 | 65.8 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 18000 | | | 43.2 | 56.2 | 63.3 | 63.0 | 64.0 | 64.2 | 65.2 | 65.8 | 65.8 | 65.8 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 16000 | | | 43.2 | 56.2 | 63.3 | 63.0 | 64.0 | 64.2 | 65.2 | 65.8 | 65.8 | 65.8 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 14000 | | | 44.4 | 57.8 | 64.6 | 64.6 | 65.6 | 65.8 | 66.9 | 67.5 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 12000 | | | 52.3 | 68.3 | 76.1 | 76.1 | 77.5 | 77.8 | 79.2 | 79.8 | 79.8 | 79.8 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 10000 | | | 52.3 | 68.3 | 76.1 | 76.1 | 77.6 | 77.8 | 79.2 | 79.8 | 79.8 | 79.8 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 9000 | | | 52.3 | 68.3 | 76.1 | 76.1 | 77.6 | 77.8 | 79.2 | 79.8 | 79.8 | 79.8 | 80.0 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 8000 | | | 52.3 | 68.3 | 76.1 | 76.1 | 77.6 | 77.8 | 79.2 | 79.8 | 79.8 | 79.8 | 80.0 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 7000 | | | 52.3 | 68.3 | 76.1 | 76.1 | 77.6 | 77.8 | 79.2 | 79.8 | 79.8 | 79.8 | 80.0 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 6000 | | | 52.3 | 68.3 | 76.1 | 76.1 | 77.6 | 77.8 | 79.2 | 79.8 | 79.8 | 79.8 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 5000 | | | 68.5 | 84.6 | 92.4 | 92.4 | 93.8 | 94.0 | 95.5 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 4500 | | | 68.5 | 84.6 | 92.4 | 92.4 | 93.8 | 94.0 | 95.5 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 4000 | | | 68.5 | 84.6 | 92.4 | 92.4 | 93.8 | 94.0 | 95.5 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 3500 | | | 68.5 | 84.6 | 92.4 | 92.4 | 93.8 | 94.0 | 95.5 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 3000 | | | 68.7 | 84.8 | 92.5 | 92.6 | 94.0 | 94.2 | 95.7 | 96.3 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 2500 | | | 68.7 | 84.8 | 92.5 | 92.6 | 94.0 | 94.2 | 95.7 | 96.3 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 2000 | | | 69.3 | 86.0 | 93.3 | 93.8 | 95.3 | 95.5 | 96.9 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 1800 | | | 69.3 | 86.0 | 93.3 | 93.8 | 95.3 | 95.5 | 96.9 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 1500 | | | 70.4 | 87.4 | 95.3 | 95.3 | 96.7 | 96.9 | 98.4 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1200 | | | 70.6 | 88.1 | 95.3 | 95.9 | 97.3 | 97.5 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1000 | | | 70.6 | 88.1 | 95.3 | 95.9 | 97.3 | 97.5 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | | | 70.6 | 88.1 | 95.3 | 95.9 | 97.3 | 97.5 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | | | 70.6 | 88.1 | 95.3 | 95.9 | 97.3 | 97.5 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | | | 70.6 | 88.1 | 95.3 | 95.9 | 97.3 | 97.5 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | | | 70.6 | 88.1 | 95.3 | 95.9 | 97.3 | 97.5 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | | | 70.6 | 88.1 | 95.3 | 95.9 | 97.3 | 97.5 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | | | 70.6 | 88.1 | 95.3 | 95.9 | 97.3 | 97.5 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | | | 70.6 | 88.1 | 95.3 | 95.9 | 97.3 | 97.5 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | | | 70.6 | 88.1 | 95.3 | 95.9 | 97.3 | 97.5 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | | | 70.6 | 88.1 | 95.3 | 95.9 | 97.3 | 97.5 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 0 | | | 70.6 | 88.1 | 95.3 | 95.9 | 97.3 | 97.5 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS: 436

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(FLST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3 |
| NO CEIL | 20.7 | 38.4 | 48.7 | 49.0 | 50.0 | 50.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| GE 20000 | 28.0 | 50.3 | 61.1 | 61.4 | 62.4 | 62.6 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| GE 18000 | 28.0 | 50.3 | 61.1 | 61.4 | 62.4 | 62.6 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| GE 16000 | 28.0 | 50.3 | 61.1 | 61.4 | 62.4 | 62.6 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| GE 14000 | 28.3 | 50.5 | 61.4 | 61.6 | 62.6 | 62.9 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 12000 | 34.3 | 59.3 | 71.2 | 71.5 | 72.5 | 72.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 10000 | 34.3 | 59.3 | 71.2 | 71.5 | 72.5 | 72.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 9000 | 34.3 | 59.3 | 71.2 | 71.5 | 72.5 | 72.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 8000 | 34.3 | 59.3 | 71.2 | 71.5 | 72.5 | 72.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 7000 | 34.3 | 59.3 | 71.2 | 71.5 | 72.5 | 72.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 6000 | 34.3 | 59.3 | 71.2 | 71.5 | 72.5 | 72.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 5000 | 57.6 | 82.6 | 94.4 | 94.7 | 95.7 | 96.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 4500 | 57.6 | 82.6 | 94.4 | 94.7 | 95.7 | 96.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 4000 | 57.6 | 82.6 | 94.4 | 94.7 | 95.7 | 96.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 3500 | 57.6 | 82.6 | 94.4 | 94.7 | 95.7 | 96.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 3000 | 57.6 | 82.8 | 94.7 | 94.9 | 96.0 | 96.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 2500 | 57.6 | 82.8 | 94.7 | 94.9 | 96.0 | 96.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 2000 | 57.6 | 82.8 | 94.7 | 94.9 | 96.0 | 96.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 1800 | 57.6 | 82.8 | 94.7 | 94.9 | 96.0 | 96.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 1500 | 59.1 | 84.6 | 96.5 | 96.7 | 97.7 | 98.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1200 | 59.3 | 85.1 | 97.0 | 97.2 | 98.2 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1000 | 59.3 | 85.1 | 97.0 | 97.2 | 98.2 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 59.3 | 85.1 | 97.0 | 97.2 | 98.2 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 59.3 | 85.1 | 97.0 | 97.2 | 98.2 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 59.3 | 85.1 | 97.0 | 97.2 | 98.2 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 59.3 | 85.1 | 97.0 | 97.2 | 98.2 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 59.3 | 85.1 | 97.0 | 97.2 | 98.2 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 59.3 | 85.1 | 97.0 | 97.2 | 98.2 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300 | 59.3 | 85.1 | 97.0 | 97.2 | 98.2 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 200 | 59.3 | 85.1 | 97.0 | 97.2 | 98.2 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 100 | 59.3 | 85.1 | 97.0 | 97.2 | 98.2 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 0 | 59.3 | 85.1 | 97.0 | 97.2 | 98.2 | 98.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS: 396

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: OCT HOURS(LST): ALL

| CEILINGS IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|---------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|--------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 | |
| NO CEIL | .1 | 23.5 | 37.9 | 46.5 | 46.9 | 48.6 | 48.7 | 50.0 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | |
| GE 20000 | .1 | 35.1 | 53.5 | 63.7 | 64.0 | 65.8 | 66.0 | 67.2 | 67.5 | 67.5 | 67.5 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | |
| GE 18000 | .1 | 35.1 | 53.5 | 63.7 | 64.0 | 65.8 | 66.0 | 67.2 | 67.5 | 67.5 | 67.5 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | |
| GE 16000 | .1 | 35.1 | 53.5 | 63.7 | 64.0 | 65.8 | 66.0 | 67.2 | 67.5 | 67.5 | 67.5 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | |
| GE 14000 | .1 | 35.7 | 54.2 | 64.3 | 64.9 | 66.6 | 66.8 | 68.0 | 68.3 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | |
| GE 12000 | .1 | 42.7 | 63.7 | 74.3 | 75.3 | 77.2 | 77.4 | 78.9 | 79.2 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.4 | |
| GE 10000 | .1 | 42.8 | 63.8 | 75.3 | 75.4 | 77.4 | 77.5 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.5 | |
| GE 9000 | .1 | 42.8 | 63.8 | 75.3 | 75.4 | 77.4 | 77.5 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.5 | |
| GE 8000 | .1 | 42.8 | 63.8 | 75.3 | 75.4 | 77.4 | 77.5 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.5 | |
| GE 7000 | .1 | 42.8 | 63.8 | 75.3 | 75.4 | 77.4 | 77.5 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.5 | |
| GE 6000 | .1 | 42.8 | 63.8 | 75.3 | 75.4 | 77.4 | 77.5 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.5 | |
| GE 5000 | .1 | 58.5 | 79.5 | 90.7 | 91.1 | 93.1 | 93.2 | 94.8 | 95.0 | 95.0 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | |
| GE 4500 | .1 | 58.5 | 79.5 | 90.7 | 91.1 | 93.1 | 93.2 | 94.8 | 95.0 | 95.0 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | |
| GE 4000 | .1 | 58.5 | 79.5 | 90.7 | 91.1 | 93.1 | 93.2 | 94.8 | 95.0 | 95.0 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | |
| GE 3500 | .1 | 58.5 | 79.5 | 90.7 | 91.1 | 93.1 | 93.2 | 94.8 | 95.0 | 95.0 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | |
| GE 3000 | .1 | 58.7 | 79.8 | 91.1 | 91.5 | 93.4 | 93.6 | 95.1 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | |
| GE 2500 | .1 | 58.8 | 79.9 | 91.2 | 91.5 | 93.5 | 93.7 | 95.2 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 | |
| GE 2000 | .1 | 59.3 | 80.6 | 91.3 | 92.2 | 94.2 | 94.3 | 95.9 | 96.1 | 96.1 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | |
| GE 1800 | .1 | 59.3 | 80.6 | 91.3 | 92.2 | 94.2 | 94.3 | 95.9 | 96.1 | 96.1 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | |
| GE 1500 | .1 | 60.7 | 82.6 | 94.2 | 94.4 | 96.5 | 96.6 | 98.2 | 98.4 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | |
| GE 1200 | .1 | 61.4 | 83.7 | 95.2 | 95.6 | 97.6 | 97.7 | 99.3 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | |
| GE 1000 | .1 | 61.5 | 83.8 | 95.3 | 95.7 | 97.8 | 97.9 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GE 900 | .1 | 61.5 | 83.8 | 95.3 | 95.7 | 97.8 | 97.9 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GE 800 | .1 | 61.5 | 83.8 | 95.3 | 95.7 | 97.8 | 97.9 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GE 700 | .1 | 61.5 | 83.8 | 95.3 | 95.7 | 97.8 | 97.9 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GE 600 | .1 | 61.5 | 83.8 | 95.3 | 95.7 | 97.8 | 97.9 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GE 500 | .1 | 61.5 | 83.8 | 95.3 | 95.7 | 97.8 | 97.9 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GE 400 | .1 | 61.5 | 83.8 | 95.3 | 95.7 | 97.8 | 97.9 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GE 300 | .1 | 61.5 | 83.8 | 95.3 | 95.7 | 97.8 | 97.9 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GE 200 | .1 | 61.5 | 83.8 | 95.3 | 95.7 | 97.8 | 97.9 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GE 100 | .1 | 61.5 | 83.8 | 95.3 | 95.7 | 97.8 | 97.9 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GE 0 | .1 | 61.5 | 83.8 | 95.3 | 95.7 | 97.8 | 97.9 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 3596

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS(IST): 0000-0200

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 10.9 | 44.1 | 50.9 | 50.9 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 52.3 |
| GE 20000 | 23.7 | 58.1 | 66.7 | 66.7 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 18000 | 23.7 | 58.1 | 66.7 | 66.7 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 16000 | 23.7 | 58.1 | 66.7 | 66.7 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 14000 | 23.7 | 58.6 | 67.1 | 67.1 | 68.6 | 68.6 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 12000 | 24.1 | 64.0 | 73.3 | 73.2 | 75.4 | 75.4 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 10000 | 24.1 | 64.0 | 73.3 | 73.2 | 75.4 | 75.4 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 9000 | 24.1 | 64.0 | 73.3 | 73.2 | 75.4 | 75.4 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 8000 | 24.1 | 64.0 | 73.3 | 73.2 | 75.4 | 75.4 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 7000 | 24.1 | 64.0 | 73.3 | 73.2 | 75.4 | 75.4 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 6000 | 24.1 | 64.0 | 73.3 | 73.2 | 75.4 | 75.4 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 5000 | 47.1 | 87.1 | 96.1 | 96.3 | 98.5 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 4500 | 47.1 | 87.1 | 96.1 | 96.3 | 98.5 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 4000 | 47.1 | 87.1 | 96.1 | 96.3 | 98.5 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 3500 | 47.1 | 87.1 | 96.1 | 96.3 | 98.5 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 3000 | 47.1 | 87.1 | 96.1 | 96.3 | 98.5 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 2500 | 47.1 | 87.1 | 96.1 | 96.3 | 98.5 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 2000 | 47.1 | 87.1 | 96.1 | 96.3 | 98.5 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1800 | 47.1 | 87.1 | 96.1 | 96.3 | 98.5 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1500 | 47.1 | 87.1 | 96.1 | 96.3 | 98.5 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1200 | 47.4 | 87.3 | 96.3 | 96.5 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1000 | 47.6 | 87.5 | 96.5 | 96.7 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 900 | 47.6 | 87.5 | 96.5 | 96.7 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 800 | 47.6 | 87.5 | 96.5 | 96.7 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 700 | 47.6 | 87.5 | 96.5 | 96.7 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 600 | 47.6 | 87.5 | 96.5 | 96.7 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 500 | 47.6 | 87.5 | 96.7 | 96.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 400 | 47.6 | 87.5 | 96.7 | 96.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 300 | 47.6 | 87.5 | 96.7 | 96.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 200 | 47.6 | 87.5 | 96.7 | 96.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 100 | 47.6 | 87.5 | 96.7 | 96.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 01 | 47.6 | 87.5 | 96.7 | 96.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS: 456

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS(IST): 2300-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|-------|-------|------|-------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| NO CEIL | .3 | 18.6 | 42.4 | 52.2 | 52.2 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.7 | 52.7 | 52.7 | 52.7 | 53.3 |
| GE 20000 | .3 | 20.4 | 48.8 | 59.2 | 59.9 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.7 | 60.7 | 60.7 | 60.7 | 61.3 |
| GE 18000 | .3 | 20.4 | 48.8 | 59.2 | 59.9 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.7 | 60.7 | 60.7 | 60.7 | 61.3 |
| GE 16000 | .3 | 20.4 | 48.8 | 59.2 | 59.9 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.7 | 60.7 | 60.7 | 60.7 | 61.3 |
| GE 14000 | .3 | 20.4 | 49.4 | 60.5 | 62.5 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.2 | 61.2 | 61.2 | 61.2 | 61.9 |
| GE 12000 | .3 | 21.4 | 54.3 | 65.2 | 65.9 | 66.9 | 66.9 | 66.9 | 67.4 | 67.4 | 67.4 | 67.4 | 67.7 | 67.7 | 67.7 | 67.7 | 68.3 |
| GE 10000 | .3 | 21.4 | 54.3 | 65.2 | 65.9 | 66.9 | 66.9 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.7 | 67.7 | 67.7 | 67.7 | 68.3 |
| GE 9000 | .3 | 21.4 | 54.3 | 65.2 | 65.9 | 66.9 | 66.9 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.7 | 67.7 | 67.7 | 67.7 | 68.3 |
| GE 8000 | .3 | 21.4 | 54.3 | 65.2 | 65.9 | 66.9 | 66.9 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.7 | 67.7 | 67.7 | 67.7 | 68.3 |
| GE 7000 | .3 | 21.4 | 54.3 | 65.2 | 65.9 | 66.9 | 66.9 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.7 | 67.7 | 67.7 | 67.7 | 68.3 |
| GE 6000 | .3 | 21.4 | 54.3 | 65.2 | 65.9 | 66.9 | 66.9 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.7 | 67.7 | 67.7 | 67.7 | 68.3 |
| GE 5000 | .3 | 52.7 | 85.5 | 97.2 | 97.2 | 98.2 | 98.2 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2 |
| GE 4500 | .3 | 53.0 | 85.8 | 97.4 | 97.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 |
| GE 4000 | .3 | 53.0 | 85.8 | 97.4 | 97.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 |
| GE 3500 | .3 | 53.0 | 85.8 | 97.4 | 97.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 |
| GE 3000 | .3 | 53.0 | 85.8 | 97.4 | 97.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 |
| GE 2500 | .3 | 53.0 | 85.8 | 97.4 | 97.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 |
| GE 2000 | .3 | 53.0 | 85.8 | 97.4 | 97.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 |
| GE 1800 | .3 | 53.0 | 85.8 | 97.4 | 97.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 |
| GE 1500 | .3 | 53.0 | 85.8 | 97.4 | 97.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 |
| GE 1200 | .3 | 53.2 | 86.0 | 97.7 | 97.7 | 98.7 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| GE 1000 | .3 | 53.5 | 86.3 | 97.2 | 97.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 900 | .3 | 53.5 | 86.3 | 97.2 | 97.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 800 | .3 | 53.5 | 86.3 | 97.2 | 97.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 700 | .3 | 53.5 | 86.3 | 97.2 | 97.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 600 | .3 | 53.5 | 86.3 | 97.2 | 97.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 500 | .3 | 53.5 | 86.3 | 97.2 | 97.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 400 | .3 | 53.5 | 86.3 | 97.2 | 97.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 300 | .3 | 53.5 | 86.3 | 97.2 | 97.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 200 | .3 | 53.5 | 86.3 | 97.2 | 97.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 100 | .3 | 53.5 | 86.3 | 97.2 | 97.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 0 | .3 | 53.5 | 86.3 | 97.2 | 97.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 337

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS(LST): 3600-0300

| CEILING IN FEET | VISIBILITY IN 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 | 3 |
| NO CEIL | 20.7 | 47.9 | 54.7 | 55.2 | 56.3 | 56.0 | 56.3 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 57.1 | 57.1 | 57.1 | 57.1 |
| GE 2000 | 25.5 | 59.8 | 69.7 | 70.3 | 71.6 | 71.6 | 71.9 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 1800 | 25.5 | 59.8 | 69.7 | 70.3 | 71.6 | 71.6 | 71.9 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 1600 | 25.5 | 59.8 | 69.7 | 70.3 | 71.6 | 71.6 | 71.9 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 1400 | 25.5 | 59.8 | 69.7 | 70.3 | 71.6 | 71.6 | 71.9 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 1200 | 27.0 | 64.6 | 75.5 | 76.5 | 78.0 | 78.0 | 78.5 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 1000 | 27.0 | 64.6 | 75.5 | 76.5 | 78.0 | 78.0 | 78.5 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 900 | 27.0 | 64.6 | 75.5 | 76.5 | 78.0 | 78.0 | 78.5 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 800 | 27.0 | 64.6 | 75.5 | 76.5 | 78.0 | 78.0 | 78.5 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 700 | 27.0 | 64.6 | 75.5 | 76.5 | 78.0 | 78.0 | 78.5 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 600 | 27.0 | 64.6 | 75.5 | 76.5 | 78.0 | 78.0 | 78.5 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 500 | 46.6 | 84.2 | 95.2 | 96.0 | 97.6 | 97.6 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 450 | 46.6 | 84.2 | 95.2 | 96.0 | 97.6 | 97.6 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 400 | 46.6 | 84.2 | 95.2 | 96.0 | 97.6 | 97.6 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 350 | 46.6 | 84.2 | 95.2 | 96.0 | 97.6 | 97.6 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 300 | 46.6 | 84.4 | 95.4 | 96.3 | 97.8 | 97.8 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 250 | 46.6 | 84.4 | 95.4 | 96.3 | 97.8 | 97.8 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 200 | 46.6 | 84.4 | 95.4 | 96.3 | 97.8 | 97.8 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 150 | 46.6 | 84.4 | 95.4 | 96.3 | 97.8 | 97.8 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 120 | 47.3 | 85.1 | 96.3 | 96.9 | 98.5 | 98.5 | 98.9 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 47.3 | 85.3 | 96.3 | 97.1 | 98.7 | 98.7 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 90 | 47.3 | 85.3 | 96.3 | 97.1 | 98.7 | 98.7 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 80 | 47.3 | 85.3 | 96.3 | 97.1 | 98.7 | 98.7 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 70 | 47.3 | 85.3 | 96.3 | 97.1 | 98.7 | 98.7 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 60 | 47.3 | 85.3 | 96.3 | 97.1 | 98.7 | 98.7 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 50 | 47.3 | 85.3 | 96.3 | 97.1 | 98.7 | 98.7 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 40 | 47.3 | 85.3 | 96.3 | 97.1 | 98.7 | 98.7 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 30 | 47.3 | 85.3 | 96.3 | 97.1 | 98.7 | 98.7 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 20 | 47.3 | 85.3 | 96.3 | 97.1 | 98.7 | 98.7 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 10 | 47.3 | 85.3 | 96.3 | 97.1 | 98.7 | 98.7 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 47.3 | 85.3 | 96.3 | 97.1 | 98.7 | 98.7 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 455

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS(LOCAL): 1900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3 |
| NO CEIL | 18.5 | 30.2 | 33.4 | 35.7 | 34.2 | 34.2 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 |
| GE 20000 | 32.2 | 51.1 | 60.3 | 60.6 | 61.8 | 61.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| GE 18000 | 32.2 | 51.1 | 60.3 | 60.6 | 61.8 | 61.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| GE 16000 | 32.2 | 51.1 | 60.3 | 60.6 | 61.8 | 61.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| GE 14000 | 32.2 | 51.4 | 60.2 | 60.8 | 62.1 | 62.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| GE 12000 | 35.4 | 55.6 | 65.3 | 66.1 | 67.3 | 67.3 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 10000 | 35.7 | 55.9 | 66.1 | 66.3 | 67.6 | 67.6 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 9000 | 35.7 | 55.9 | 66.1 | 66.3 | 67.6 | 67.6 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 8000 | 35.7 | 55.9 | 66.1 | 66.3 | 67.6 | 67.6 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 7000 | 35.7 | 55.9 | 66.1 | 66.3 | 67.6 | 67.6 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 6000 | 35.7 | 55.9 | 66.1 | 66.3 | 67.6 | 67.6 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 5000 | 64.1 | 84.3 | 94.5 | 94.8 | 96.0 | 96.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 4500 | 64.1 | 84.3 | 94.5 | 94.8 | 96.0 | 96.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 4000 | 64.1 | 84.3 | 94.5 | 94.8 | 96.0 | 96.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 3500 | 64.1 | 84.3 | 94.5 | 94.8 | 96.0 | 96.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 3000 | 64.1 | 84.3 | 94.5 | 94.8 | 96.0 | 96.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 2500 | 64.1 | 84.3 | 94.5 | 94.8 | 96.0 | 96.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 2000 | 64.1 | 84.3 | 94.5 | 94.8 | 96.0 | 96.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 1800 | 64.1 | 84.3 | 94.5 | 94.8 | 96.0 | 96.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 1500 | 64.8 | 85.3 | 95.5 | 95.8 | 97.0 | 97.0 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1200 | 65.6 | 86.3 | 96.5 | 96.8 | 98.0 | 98.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1000 | 65.6 | 86.8 | 97.3 | 97.3 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 65.6 | 86.8 | 97.3 | 97.3 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 65.6 | 86.8 | 97.3 | 97.3 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 65.6 | 86.8 | 97.3 | 97.3 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 65.6 | 86.8 | 97.3 | 97.3 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 65.6 | 86.8 | 97.3 | 97.3 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 65.6 | 86.8 | 97.3 | 97.3 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 65.6 | 86.8 | 97.3 | 97.3 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 65.6 | 86.8 | 97.3 | 97.3 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 65.6 | 86.8 | 97.3 | 97.3 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 65.6 | 86.8 | 97.3 | 97.3 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 431

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV
 HOURS/DAYS: 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|
| | GE 10 | GE 8 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | 21.2 | 33.0 | 36.7 | 37.1 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 |
| GE 20000 | 38.4 | 56.2 | 63.7 | 64.2 | 65.2 | 65.2 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| GE 18000 | 38.4 | 56.2 | 63.7 | 64.2 | 65.2 | 65.2 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| GE 16000 | 38.4 | 56.2 | 63.7 | 64.2 | 65.2 | 65.2 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| GE 14000 | 38.4 | 56.2 | 63.7 | 64.2 | 65.2 | 65.2 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| GE 12000 | 41.6 | 61.8 | 69.7 | 70.2 | 71.2 | 71.2 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 10000 | 41.6 | 61.8 | 69.7 | 70.2 | 71.2 | 71.2 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 9000 | 41.6 | 61.8 | 69.7 | 70.2 | 71.2 | 71.2 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 8000 | 41.6 | 61.8 | 69.7 | 70.2 | 71.2 | 71.2 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 7000 | 41.6 | 61.8 | 69.7 | 70.2 | 71.2 | 71.2 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 6000 | 41.6 | 61.8 | 69.7 | 70.2 | 71.2 | 71.2 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 5000 | 68.5 | 88.6 | 96.5 | 97.0 | 98.1 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 4500 | 68.5 | 88.6 | 96.5 | 97.0 | 98.1 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 4000 | 68.5 | 88.6 | 96.5 | 97.0 | 98.1 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 3500 | 68.5 | 88.6 | 96.5 | 97.0 | 98.1 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 3000 | 68.5 | 88.6 | 96.5 | 97.0 | 98.1 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 2500 | 68.5 | 88.6 | 96.5 | 97.0 | 98.1 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 2000 | 68.5 | 88.6 | 96.5 | 97.0 | 98.1 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1800 | 68.5 | 88.6 | 96.5 | 97.0 | 98.1 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1500 | 69.5 | 89.9 | 97.3 | 98.3 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 69.5 | 89.9 | 97.3 | 98.3 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 69.5 | 89.9 | 97.3 | 98.3 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 69.5 | 89.9 | 97.3 | 98.3 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 69.5 | 89.9 | 97.3 | 98.3 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 69.5 | 89.9 | 97.3 | 98.3 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 69.5 | 89.9 | 97.3 | 98.3 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 69.5 | 89.9 | 97.3 | 98.3 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 69.5 | 89.9 | 97.3 | 98.3 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 69.5 | 89.9 | 97.3 | 98.3 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 69.5 | 89.9 | 97.3 | 98.3 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 69.5 | 89.9 | 97.3 | 98.3 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 01 | 69.5 | 89.9 | 97.3 | 98.3 | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 456

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS(UT): 1500-1700

| CEILING IN FEET | GE 1 | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|--------------------|---------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 1 | 23.7 | 30.2 | 31.7 | 32.2 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| GE 20000 | .2 | 39.7 | 52.1 | 58.4 | 58.9 | 60.1 | 60.1 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 18000 | .2 | 39.7 | 52.1 | 58.4 | 58.9 | 60.1 | 60.1 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 16000 | .2 | 39.7 | 52.1 | 58.4 | 58.9 | 60.1 | 60.1 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 14000 | .2 | 39.7 | 52.4 | 58.2 | 59.4 | 60.6 | 60.6 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| GE 12000 | .2 | 43.1 | 56.9 | 64.5 | 65.1 | 66.6 | 66.6 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 10000 | .2 | 43.1 | 56.9 | 64.5 | 65.1 | 66.6 | 66.6 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 9000 | .2 | 43.1 | 56.9 | 64.5 | 65.1 | 66.6 | 66.6 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 8000 | .2 | 43.1 | 56.9 | 64.5 | 65.1 | 66.6 | 66.6 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 7000 | .2 | 43.1 | 56.9 | 64.5 | 65.1 | 66.6 | 66.6 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 6000 | .2 | 43.1 | 56.9 | 64.5 | 65.1 | 66.6 | 66.6 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 5000 | .2 | 74.1 | 87.8 | 95.5 | 96.0 | 97.5 | 97.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 4500 | .2 | 74.1 | 87.8 | 95.5 | 96.0 | 97.5 | 97.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 4000 | .2 | 74.1 | 87.8 | 95.5 | 96.0 | 97.5 | 97.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 3500 | .2 | 74.1 | 87.8 | 95.5 | 96.0 | 97.5 | 97.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 3000 | .2 | 74.1 | 87.8 | 95.5 | 96.0 | 97.5 | 97.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2500 | .2 | 74.1 | 87.8 | 95.5 | 96.0 | 97.5 | 97.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2000 | .2 | 74.1 | 87.8 | 95.5 | 96.0 | 97.5 | 97.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1500 | .2 | 75.1 | 88.8 | 96.5 | 97.0 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | .2 | 75.1 | 88.8 | 96.5 | 97.0 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | .2 | 75.1 | 88.8 | 96.5 | 97.0 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | .2 | 75.1 | 88.8 | 96.5 | 97.0 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | .2 | 75.1 | 88.8 | 96.5 | 97.0 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | .2 | 75.1 | 88.8 | 96.5 | 97.0 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | .2 | 75.1 | 88.8 | 96.5 | 97.0 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | .2 | 75.1 | 88.8 | 96.5 | 97.0 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | .2 | 75.1 | 88.8 | 96.5 | 97.0 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | .2 | 75.1 | 88.8 | 96.5 | 97.0 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | .2 | 75.1 | 88.8 | 96.5 | 97.0 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | .2 | 75.1 | 88.8 | 96.5 | 97.0 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | .2 | 75.1 | 88.8 | 96.5 | 97.0 | 98.5 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 431

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV COURSE(S): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|-------|-------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3 | | |
| NO CEIL | 21.4 | 27.1 | 30.4 | 30.6 | 31.5 | 31.5 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | |
| GE 20000 | 39.6 | 54.4 | 59.7 | 60.4 | 61.9 | 61.9 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | |
| GE 18000 | 39.6 | 54.4 | 59.7 | 60.4 | 61.9 | 61.9 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | |
| GE 16000 | 39.6 | 54.4 | 59.7 | 60.4 | 61.9 | 61.9 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | |
| GE 14000 | 40.7 | 55.7 | 61.5 | 61.9 | 63.4 | 63.4 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | |
| GE 12000 | 44.7 | 63.0 | 70.3 | 71.1 | 72.7 | 72.9 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | |
| GE 10000 | 44.7 | 63.0 | 70.3 | 71.1 | 72.7 | 72.9 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | |
| GE 9000 | 44.7 | 63.0 | 70.3 | 71.1 | 72.7 | 72.9 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | |
| GE 8000 | 44.7 | 63.0 | 70.3 | 71.1 | 72.7 | 72.9 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | |
| GE 7000 | 44.7 | 63.0 | 70.3 | 71.1 | 72.7 | 72.9 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | |
| GE 6000 | 44.7 | 63.0 | 70.3 | 71.1 | 72.7 | 72.9 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | |
| GE 5000 | 70.0 | 88.3 | 95.5 | 96.5 | 98.0 | 98.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 4500 | 70.0 | 88.3 | 95.5 | 96.5 | 98.0 | 98.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 4000 | 70.0 | 88.3 | 95.5 | 96.5 | 98.0 | 98.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 3500 | 70.0 | 88.3 | 95.5 | 96.5 | 98.0 | 98.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 3000 | 70.0 | 88.3 | 95.5 | 96.5 | 98.0 | 98.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 2500 | 70.0 | 88.3 | 95.5 | 96.5 | 98.0 | 98.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 2000 | 70.0 | 88.3 | 95.5 | 96.5 | 98.0 | 98.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 1800 | 70.0 | 88.3 | 95.5 | 96.5 | 98.0 | 98.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 1600 | 70.0 | 88.3 | 95.5 | 96.5 | 98.0 | 98.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 1500 | 70.5 | 88.8 | 96.3 | 96.9 | 98.5 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 1200 | 70.5 | 88.8 | 96.3 | 96.9 | 98.5 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 1000 | 70.5 | 88.8 | 96.3 | 96.9 | 98.5 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 900 | 70.5 | 88.8 | 96.3 | 96.9 | 98.5 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 800 | 70.5 | 88.8 | 96.3 | 96.9 | 98.5 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 700 | 70.5 | 88.8 | 96.3 | 96.9 | 98.5 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 600 | 70.5 | 88.8 | 96.3 | 96.9 | 98.5 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 500 | 70.5 | 88.8 | 96.3 | 96.9 | 98.5 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 400 | 70.5 | 88.8 | 96.3 | 96.9 | 98.5 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 300 | 70.5 | 88.8 | 96.3 | 96.9 | 98.5 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 200 | 70.5 | 88.8 | 96.3 | 96.9 | 98.5 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 100 | 70.5 | 88.8 | 96.3 | 96.9 | 98.5 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 01 | 70.5 | 88.8 | 96.3 | 96.9 | 98.5 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 454

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover and total number of observations. It is presented by month and available 3-hour groups.

NOTES: 1. Some sources of punched data used for this summary report cloud amounts in eights. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in eights. The manner of conversion is given below:

| <u>EIGHTS</u> | <u>TENTHS</u> |
|-----------------|---------------|
| 0 | 0 |
| 1 | 1 |
| 2 | 3 |
| 3 | 4 |
| 4 | 5 |
| 5 | 6 |
| 6 | 8 |
| 7 | 9 |
| 8 (or obscured) | 10 |

2. For Airways stations the symbols of clear, scattered, broken, overcast, and obscured were used as input for the total sky cover.

Clear was converted to 0/10
Scattered was converted to 3/10
Broken was converted to 9/10
Overcast was converted to 10/10
Obscured was converted to 10/10

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-85
 MONTH: ALL HOURS(IST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3 |
| NO CELL | .1 | 20.6 | 35.2 | 43.3 | 43.8 | 46.0 | 46.2 | 48.6 | 49.3 | 49.6 | 49.7 | 49.8 | 50.1 | 50.2 | 50.2 | 50.3 |
| GE 20000 | .1 | 27.7 | 45.9 | 55.9 | 56.8 | 59.5 | 59.7 | 62.6 | 63.5 | 63.8 | 64.0 | 64.2 | 64.5 | 64.6 | 64.6 | 64.7 |
| GE 18000 | .1 | 27.7 | 45.9 | 55.9 | 56.8 | 59.5 | 59.7 | 62.6 | 63.5 | 63.8 | 64.0 | 64.2 | 64.5 | 64.6 | 64.6 | 64.7 |
| GE 16000 | .1 | 27.7 | 45.9 | 55.9 | 56.8 | 59.5 | 59.7 | 62.6 | 63.5 | 63.8 | 64.0 | 64.2 | 64.5 | 64.6 | 64.6 | 64.7 |
| GE 14000 | .1 | 28.1 | 46.6 | 56.3 | 57.6 | 60.3 | 60.4 | 63.3 | 64.3 | 64.6 | 64.7 | 64.9 | 65.3 | 65.4 | 65.4 | 65.5 |
| GE 12000 | .1 | 34.8 | 56.5 | 68.1 | 69.2 | 72.3 | 72.5 | 75.7 | 76.7 | 77.1 | 77.2 | 77.5 | 77.8 | 78.3 | 78.3 | 78.1 |
| GE 10000 | .1 | 34.9 | 56.5 | 68.2 | 69.3 | 72.4 | 72.6 | 75.8 | 76.8 | 77.2 | 77.4 | 77.6 | 77.9 | 78.1 | 78.1 | 78.2 |
| GE 9000 | .1 | 34.9 | 56.5 | 68.2 | 69.3 | 72.4 | 72.6 | 75.8 | 76.8 | 77.2 | 77.4 | 77.6 | 77.9 | 78.1 | 78.1 | 78.2 |
| GE 8000 | .1 | 34.9 | 56.5 | 68.2 | 69.3 | 72.4 | 72.6 | 75.8 | 76.8 | 77.2 | 77.4 | 77.6 | 77.9 | 78.1 | 78.1 | 78.2 |
| GE 7000 | .1 | 34.9 | 56.5 | 68.2 | 69.3 | 72.4 | 72.6 | 75.8 | 76.8 | 77.2 | 77.4 | 77.6 | 77.9 | 78.1 | 78.1 | 78.2 |
| GE 6000 | .1 | 34.9 | 56.5 | 68.2 | 69.3 | 72.4 | 72.6 | 75.8 | 76.8 | 77.2 | 77.4 | 77.6 | 77.9 | 78.1 | 78.1 | 78.2 |
| GE 5000 | .1 | 47.1 | 68.7 | 80.4 | 81.5 | 84.6 | 84.8 | 88.0 | 89.0 | 89.4 | 89.6 | 89.8 | 90.1 | 90.3 | 90.3 | 90.4 |
| GE 4500 | .1 | 47.1 | 68.7 | 80.4 | 81.5 | 84.6 | 84.8 | 88.0 | 89.0 | 89.4 | 89.6 | 89.8 | 90.1 | 90.3 | 90.3 | 90.4 |
| GE 4000 | .1 | 47.1 | 68.7 | 80.4 | 81.5 | 84.6 | 84.8 | 88.1 | 89.0 | 89.4 | 89.6 | 89.8 | 90.1 | 90.3 | 90.3 | 90.4 |
| GE 3500 | .1 | 47.1 | 68.7 | 80.4 | 81.5 | 84.6 | 84.8 | 88.1 | 89.0 | 89.4 | 89.6 | 89.8 | 90.1 | 90.3 | 90.3 | 90.4 |
| GE 3000 | .1 | 47.4 | 69.1 | 80.3 | 82.0 | 85.0 | 85.2 | 88.5 | 89.5 | 89.8 | 90.0 | 90.2 | 90.6 | 90.7 | 90.7 | 90.8 |
| GE 2500 | .1 | 47.5 | 69.3 | 81.3 | 82.1 | 85.1 | 85.3 | 88.6 | 89.6 | 90.0 | 90.1 | 90.3 | 90.7 | 90.8 | 90.8 | 90.9 |
| GE 2000 | .1 | 48.6 | 70.4 | 82.2 | 83.3 | 86.3 | 86.5 | 89.8 | 90.8 | 91.1 | 91.3 | 91.5 | 91.9 | 92.0 | 92.0 | 92.1 |
| GE 1800 | .1 | 48.6 | 70.4 | 82.2 | 83.3 | 86.3 | 86.5 | 89.8 | 90.8 | 91.2 | 91.3 | 91.6 | 91.9 | 92.1 | 92.1 | 92.2 |
| GE 1500 | .1 | 51.7 | 74.0 | 85.3 | 87.0 | 90.0 | 90.2 | 93.5 | 94.5 | 94.9 | 95.1 | 95.3 | 95.6 | 95.8 | 95.8 | 95.9 |
| GE 1200 | .1 | 53.1 | 76.2 | 88.2 | 89.3 | 92.4 | 92.6 | 95.9 | 96.9 | 97.3 | 97.4 | 97.6 | 98.3 | 98.1 | 98.2 | 98.2 |
| GE 1000 | .1 | 53.8 | 77.2 | 89.3 | 90.5 | 93.5 | 93.7 | 97.1 | 98.1 | 98.4 | 98.6 | 98.8 | 99.2 | 99.3 | 99.3 | 99.4 |
| GE 900 | .1 | 53.8 | 77.2 | 89.3 | 90.5 | 93.5 | 93.7 | 97.1 | 98.1 | 98.4 | 98.6 | 98.8 | 99.2 | 99.3 | 99.3 | 99.4 |
| GE 800 | .1 | 53.9 | 77.4 | 89.5 | 90.7 | 93.7 | 93.9 | 97.3 | 98.3 | 98.6 | 98.8 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 |
| GE 700 | .1 | 53.9 | 77.4 | 89.5 | 90.7 | 93.8 | 94.0 | 97.3 | 98.3 | 98.7 | 98.8 | 99.1 | 99.4 | 99.5 | 99.6 | 99.7 |
| GE 600 | .1 | 53.9 | 77.5 | 89.7 | 90.8 | 93.9 | 94.1 | 97.4 | 98.4 | 98.8 | 99.0 | 99.2 | 99.6 | 99.7 | 99.7 | 99.8 |
| GE 500 | .1 | 53.9 | 77.5 | 89.7 | 90.9 | 94.0 | 94.2 | 97.5 | 98.5 | 98.9 | 99.1 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 |
| GE 400 | .1 | 53.9 | 77.5 | 89.7 | 90.9 | 94.0 | 94.2 | 97.5 | 98.5 | 98.9 | 99.1 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 |
| GE 300 | .1 | 53.9 | 77.5 | 89.3 | 90.9 | 94.0 | 94.2 | 97.6 | 98.6 | 98.9 | 99.1 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 |
| GE 200 | .1 | 53.9 | 77.5 | 89.3 | 90.9 | 94.0 | 94.2 | 97.6 | 98.6 | 98.9 | 99.1 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 |
| GE 100 | .1 | 53.9 | 77.6 | 89.3 | 90.9 | 94.0 | 94.2 | 97.6 | 98.6 | 99.0 | 99.1 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 |
| GE 01 | .1 | 53.9 | 77.6 | 89.3 | 90.9 | 94.0 | 94.2 | 97.6 | 98.6 | 99.0 | 99.1 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 41772

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC 12URS(1LST): ALL

| CEILING | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | | |
|----------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|----|----|----|----|
| | IN FEET | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| NO CEIL | | 10.1 | 24.8 | 32.2 | 33.7 | 36.8 | 36.9 | 40.3 | 41.4 | 41.8 | 41.8 | 42.0 | 42.2 | 42.3 | 42.3 | 42.3 | | | | |
| GE 20000 | .0 | 19.4 | 42.0 | 55.4 | 56.8 | 61.2 | 61.3 | 65.6 | 66.9 | 67.3 | 67.4 | 67.6 | 67.8 | 67.9 | 67.9 | 67.9 | | | | |
| GE 18000 | .0 | 19.4 | 42.0 | 55.4 | 56.8 | 61.2 | 61.3 | 65.6 | 66.9 | 67.3 | 67.4 | 67.6 | 67.8 | 67.9 | 67.9 | 67.9 | | | | |
| GE 16000 | .0 | 19.4 | 42.0 | 55.4 | 56.8 | 61.2 | 61.3 | 65.6 | 66.9 | 67.3 | 67.4 | 67.6 | 67.8 | 67.9 | 67.9 | 67.9 | | | | |
| GE 14000 | .0 | 19.4 | 42.0 | 55.4 | 57.1 | 61.7 | 61.9 | 66.2 | 67.5 | 67.9 | 68.0 | 68.2 | 68.4 | 68.5 | 68.5 | 68.5 | | | | |
| GE 12000 | .0 | 24.1 | 51.9 | 70.3 | 72.4 | 77.6 | 77.7 | 82.9 | 84.6 | 85.2 | 85.3 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | | | | |
| GE 10000 | .0 | 24.1 | 52.0 | 70.3 | 72.4 | 77.6 | 77.8 | 83.0 | 84.6 | 85.2 | 85.3 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | | | | |
| GE 9000 | .0 | 24.1 | 52.0 | 70.3 | 72.5 | 77.6 | 77.8 | 83.0 | 84.6 | 85.2 | 85.3 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | | | | |
| GE 8000 | .0 | 24.1 | 52.0 | 70.3 | 72.4 | 77.6 | 77.8 | 83.0 | 84.6 | 85.2 | 85.3 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | | | | |
| GE 7000 | .0 | 24.1 | 52.0 | 70.3 | 72.4 | 77.6 | 77.8 | 83.0 | 84.6 | 85.2 | 85.3 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | | | | |
| GE 6000 | .0 | 24.1 | 52.0 | 70.3 | 72.5 | 77.6 | 77.8 | 83.0 | 84.6 | 85.3 | 85.4 | 85.7 | 85.9 | 86.3 | 86.3 | 86.3 | | | | |
| GE 5000 | .0 | 37.9 | 65.8 | 84.3 | 86.2 | 91.4 | 91.5 | 96.8 | 98.4 | 99.0 | 99.1 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | | | | |
| GE 4500 | .0 | 37.9 | 65.8 | 84.3 | 86.2 | 91.4 | 91.5 | 96.8 | 98.4 | 99.0 | 99.1 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | | | | |
| GE 4000 | .0 | 37.9 | 65.8 | 84.3 | 86.2 | 91.4 | 91.5 | 96.8 | 98.4 | 99.0 | 99.1 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | | | | |
| GE 3500 | .0 | 37.9 | 65.8 | 84.3 | 86.2 | 91.4 | 91.5 | 96.8 | 98.4 | 99.0 | 99.1 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | | | | |
| GE 3000 | .0 | 37.9 | 65.8 | 84.3 | 86.2 | 91.4 | 91.5 | 96.8 | 98.4 | 99.0 | 99.1 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | | | | |
| GE 2500 | .0 | 37.9 | 65.8 | 84.3 | 86.2 | 91.4 | 91.5 | 96.8 | 98.4 | 99.0 | 99.1 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | | | | |
| GE 2000 | .0 | 37.9 | 65.8 | 84.3 | 86.3 | 91.4 | 91.6 | 96.8 | 98.4 | 99.0 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | | | | |
| GE 1800 | .0 | 37.9 | 65.8 | 84.3 | 86.3 | 91.4 | 91.6 | 96.8 | 98.4 | 99.0 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | | | | |
| GE 1500 | .0 | 37.9 | 65.8 | 84.3 | 86.3 | 91.5 | 91.6 | 96.9 | 98.5 | 99.1 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | | | | |
| GE 1200 | .0 | 37.9 | 65.8 | 84.3 | 86.4 | 91.5 | 91.7 | 96.9 | 98.6 | 99.2 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | | | | |
| GE 1000 | .0 | 37.9 | 65.8 | 84.3 | 86.4 | 91.5 | 91.7 | 96.9 | 98.6 | 99.2 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | | | | |
| GE 900 | .0 | 37.9 | 65.8 | 84.3 | 86.4 | 91.5 | 91.7 | 96.9 | 98.6 | 99.2 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | | | | |
| GE 800 | .0 | 37.9 | 65.8 | 84.3 | 86.4 | 91.5 | 91.7 | 96.9 | 98.6 | 99.2 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | | | | |
| GE 700 | .0 | 37.9 | 65.8 | 84.3 | 86.4 | 91.5 | 91.7 | 96.9 | 98.6 | 99.2 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | | | | |
| GE 600 | .0 | 37.9 | 65.8 | 84.3 | 86.4 | 91.5 | 91.7 | 96.9 | 98.6 | 99.2 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | | | | |
| GE 500 | .0 | 37.9 | 65.8 | 84.3 | 86.4 | 91.6 | 91.7 | 97.0 | 98.6 | 99.2 | 99.3 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | | | | |
| GE 400 | .0 | 37.9 | 65.8 | 84.3 | 86.4 | 91.6 | 91.7 | 97.0 | 98.6 | 99.2 | 99.3 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | | | | |
| GE 300 | .0 | 37.9 | 65.8 | 84.3 | 86.4 | 91.6 | 91.8 | 97.0 | 98.6 | 99.2 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | | | | |
| GE 200 | .0 | 37.9 | 65.8 | 84.3 | 86.4 | 91.6 | 91.8 | 97.0 | 98.6 | 99.2 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | | | | |
| GE 100 | .0 | 37.9 | 65.8 | 84.3 | 86.4 | 91.6 | 91.8 | 97.0 | 98.6 | 99.2 | 99.4 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | | | | |
| GE 01 | .0 | 37.9 | 65.8 | 84.3 | 86.4 | 91.6 | 91.8 | 97.0 | 98.6 | 99.2 | 99.4 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | | | | |

TOTAL NUMBER OF OBSERVATIONS: 3512

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS(LST): 2100-2300

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE |
| NO CEIL | | 7.9 | 21.8 | 29.7 | 31.3 | 33.2 | 33.2 | 37.4 | 38.2 | 38.9 | 38.9 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 |
| GE 20000 | .3 | 13.4 | 33.9 | 47.9 | 50.5 | 53.4 | 53.4 | 60.0 | 60.8 | 61.6 | 61.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| GE 18000 | .3 | 13.4 | 33.9 | 47.9 | 50.5 | 53.4 | 53.4 | 60.0 | 60.8 | 61.6 | 61.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| GE 16000 | .3 | 13.4 | 33.9 | 47.9 | 50.5 | 53.4 | 53.4 | 60.0 | 60.8 | 61.6 | 61.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| GE 14000 | .3 | 14.2 | 34.7 | 48.7 | 51.3 | 54.5 | 54.5 | 61.1 | 61.8 | 62.6 | 62.6 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| GE 12000 | .3 | 17.9 | 42.9 | 65.3 | 67.9 | 71.6 | 71.6 | 79.5 | 80.5 | 81.3 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 10000 | .3 | 17.9 | 42.9 | 65.3 | 67.9 | 71.6 | 71.6 | 79.5 | 80.5 | 81.3 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 9000 | .3 | 17.9 | 42.9 | 65.3 | 67.9 | 71.6 | 71.6 | 79.5 | 80.5 | 81.3 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 8000 | .3 | 17.9 | 42.9 | 65.3 | 67.9 | 71.6 | 71.6 | 79.5 | 80.5 | 81.3 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 7000 | .3 | 17.9 | 42.9 | 65.3 | 67.9 | 71.6 | 71.6 | 79.5 | 80.5 | 81.3 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 6000 | .3 | 17.9 | 42.9 | 65.3 | 67.9 | 71.6 | 71.6 | 79.5 | 80.5 | 81.3 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 5000 | .3 | 36.3 | 61.3 | 83.7 | 86.3 | 90.0 | 90.0 | 97.9 | 98.9 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 4500 | .3 | 36.3 | 61.3 | 83.7 | 86.3 | 90.0 | 90.0 | 97.9 | 98.9 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 4000 | .3 | 36.3 | 61.3 | 83.7 | 86.3 | 90.0 | 90.0 | 97.9 | 98.9 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3500 | .3 | 36.3 | 61.3 | 83.7 | 86.3 | 90.0 | 90.0 | 97.9 | 98.9 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | .3 | 36.3 | 61.3 | 83.7 | 86.3 | 90.0 | 90.0 | 97.9 | 98.9 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | .3 | 36.3 | 61.3 | 83.7 | 86.3 | 90.0 | 90.0 | 97.9 | 98.9 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | .3 | 36.3 | 61.3 | 83.7 | 86.3 | 90.0 | 90.0 | 97.9 | 98.9 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | .3 | 36.3 | 61.3 | 83.7 | 86.3 | 90.0 | 90.0 | 97.9 | 98.9 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1600 | .3 | 36.3 | 61.3 | 83.7 | 86.3 | 90.0 | 90.0 | 97.9 | 98.9 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | .3 | 36.3 | 61.3 | 83.7 | 86.3 | 90.0 | 90.0 | 97.9 | 98.9 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | .3 | 36.3 | 61.3 | 83.7 | 86.3 | 90.0 | 90.0 | 97.9 | 98.9 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | .3 | 36.3 | 61.3 | 83.7 | 86.3 | 90.0 | 90.0 | 97.9 | 98.9 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | .3 | 36.3 | 61.3 | 83.7 | 86.3 | 90.0 | 90.0 | 97.9 | 98.9 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 330

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(LST): 1800-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|-------|-------|-------|-------|-------|---|-------|-------|-------|---|-------|-------|-------|---|--|
| | 1 | 1 1/8 | 1 1/4 | 1 3/8 | 1 1/2 | 1 5/8 | 2 | 2 1/4 | 2 1/2 | 2 3/4 | 3 | 3 1/4 | 3 1/2 | 3 3/4 | 4 | |
| NO CEIL | | | | | | | | | | | | | | | | |
| GE 20000 | | | | | | | | | | | | | | | | |
| GE 18000 | | | | | | | | | | | | | | | | |
| GE 16000 | | | | | | | | | | | | | | | | |
| GE 14000 | | | | | | | | | | | | | | | | |
| GE 12000 | | | | | | | | | | | | | | | | |
| GE 10000 | | | | | | | | | | | | | | | | |
| GE 9000 | | | | | | | | | | | | | | | | |
| GE 8000 | | | | | | | | | | | | | | | | |
| GE 7000 | | | | | | | | | | | | | | | | |
| GE 6000 | | | | | | | | | | | | | | | | |
| GE 5000 | | | | | | | | | | | | | | | | |
| GE 4500 | | | | | | | | | | | | | | | | |
| GE 4000 | | | | | | | | | | | | | | | | |
| GE 3500 | | | | | | | | | | | | | | | | |
| GE 3000 | | | | | | | | | | | | | | | | |
| GE 2500 | | | | | | | | | | | | | | | | |
| GE 2000 | | | | | | | | | | | | | | | | |
| GE 1800 | | | | | | | | | | | | | | | | |
| GE 1500 | | | | | | | | | | | | | | | | |
| GE 1200 | | | | | | | | | | | | | | | | |
| GE 1000 | | | | | | | | | | | | | | | | |
| GE 900 | | | | | | | | | | | | | | | | |
| GE 800 | | | | | | | | | | | | | | | | |
| GE 700 | | | | | | | | | | | | | | | | |
| GE 600 | | | | | | | | | | | | | | | | |
| GE 500 | | | | | | | | | | | | | | | | |
| GE 400 | | | | | | | | | | | | | | | | |
| GE 300 | | | | | | | | | | | | | | | | |
| GE 200 | | | | | | | | | | | | | | | | |
| GE 100 | | | | | | | | | | | | | | | | |
| GE 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: DEC 40URSELST: 1500-1700

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|-------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|--------|--|
| | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 | |
| NO CEIL | | 12.6 | 17.8 | 24.3 | 24.0 | 28.4 | 28.6 | 31.6 | 33.2 | 33.2 | 33.2 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | |
| GE 20000 | 27.5 | 41.2 | 53.1 | 53.8 | 59.7 | 60.0 | 63.6 | 65.9 | 65.9 | 65.9 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 65.6 | |
| GE 18000 | 27.5 | 41.2 | 53.1 | 53.8 | 59.7 | 60.0 | 63.6 | 65.9 | 65.9 | 65.9 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 65.6 | |
| GE 16000 | 27.5 | 41.2 | 53.1 | 53.8 | 59.7 | 60.0 | 63.6 | 65.9 | 65.9 | 65.9 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 65.6 | |
| GE 14000 | 27.5 | 41.2 | 53.1 | 53.8 | 59.7 | 60.0 | 63.6 | 65.9 | 65.9 | 65.9 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 65.6 | |
| GE 12000 | 32.7 | 49.4 | 64.3 | 65.9 | 73.2 | 73.5 | 77.3 | 80.1 | 80.5 | 80.5 | 81.5 | 81.5 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | |
| GE 10000 | 32.7 | 49.4 | 64.3 | 65.9 | 73.2 | 73.5 | 77.3 | 80.1 | 80.5 | 80.5 | 81.5 | 81.5 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | |
| GE 9000 | 32.7 | 49.4 | 64.3 | 65.9 | 73.2 | 73.5 | 77.3 | 80.1 | 80.5 | 80.5 | 81.5 | 81.5 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | |
| GE 8000 | 32.7 | 49.4 | 64.3 | 65.9 | 73.2 | 73.5 | 77.3 | 80.1 | 80.5 | 80.5 | 81.5 | 81.5 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | |
| GE 7000 | 32.7 | 49.4 | 64.3 | 65.9 | 73.2 | 73.5 | 77.3 | 80.1 | 80.5 | 80.5 | 81.5 | 81.5 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | |
| GE 6000 | 32.7 | 49.4 | 64.3 | 65.9 | 73.2 | 73.5 | 77.3 | 80.1 | 80.5 | 80.5 | 81.5 | 81.5 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | |
| GE 5000 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 4500 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 4000 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 3500 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 3000 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 2500 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 2000 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 1800 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 1600 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 1500 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 1200 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 1000 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 900 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 800 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 700 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 600 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 500 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 400 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 300 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 200 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 100 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 01 | 51.0 | 67.7 | 83.1 | 84.2 | 91.5 | 91.8 | 95.7 | 98.4 | 98.9 | 98.9 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 437

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC MONTHS(S) 1202-1102

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|--------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | 12.6 | 20.9 | 26.3 | 27.2 | 31.1 | 31.1 | 34.3 | 36.0 | 36.2 | 36.2 | 36.4 | 36.8 | 35.8 | 35.8 | 35.3 | |
| GE 20000 | 28.3 | 43.4 | 55.1 | 55.7 | 63.0 | 63.0 | 66.6 | 68.5 | 68.7 | 68.7 | 68.9 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 18000 | 28.3 | 43.4 | 55.1 | 55.7 | 63.0 | 63.0 | 66.6 | 68.5 | 68.7 | 68.7 | 68.9 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 16000 | 28.3 | 43.4 | 55.1 | 55.7 | 63.0 | 63.0 | 66.6 | 68.5 | 68.7 | 68.7 | 68.9 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 14000 | 28.3 | 43.4 | 55.1 | 55.7 | 63.0 | 63.0 | 66.6 | 68.5 | 68.7 | 68.7 | 68.9 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 12000 | 34.0 | 53.2 | 68.5 | 69.4 | 77.0 | 77.0 | 81.1 | 83.8 | 83.8 | 83.8 | 84.3 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 10000 | 34.0 | 53.2 | 68.5 | 69.4 | 77.0 | 77.0 | 81.1 | 83.4 | 83.8 | 83.8 | 84.3 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 9000 | 34.0 | 53.2 | 68.5 | 69.4 | 77.0 | 77.0 | 81.1 | 83.4 | 83.8 | 83.8 | 84.3 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 8000 | 34.0 | 53.2 | 68.5 | 69.4 | 77.0 | 77.0 | 81.1 | 83.4 | 83.8 | 83.8 | 84.3 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 7000 | 34.0 | 53.2 | 68.5 | 69.4 | 77.0 | 77.0 | 81.1 | 83.4 | 83.8 | 83.8 | 84.3 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 6000 | 34.0 | 53.2 | 68.5 | 69.4 | 77.0 | 77.0 | 81.1 | 83.8 | 83.8 | 83.8 | 84.3 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 5000 | 48.7 | 67.9 | 83.2 | 84.0 | 91.7 | 91.7 | 95.7 | 98.1 | 98.5 | 98.5 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 4500 | 48.7 | 67.9 | 83.2 | 84.0 | 91.7 | 91.7 | 95.7 | 98.1 | 98.5 | 98.5 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 4000 | 48.7 | 67.9 | 83.2 | 84.0 | 91.7 | 91.7 | 95.7 | 98.1 | 98.5 | 98.5 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 3500 | 48.7 | 67.9 | 83.2 | 84.0 | 91.7 | 91.7 | 95.7 | 98.1 | 98.5 | 98.5 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 3000 | 48.7 | 67.9 | 83.2 | 84.0 | 91.7 | 91.7 | 95.7 | 98.1 | 98.5 | 98.5 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 2500 | 48.7 | 67.9 | 83.2 | 84.0 | 91.7 | 91.7 | 95.7 | 98.1 | 98.5 | 98.5 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 2000 | 48.7 | 67.9 | 83.4 | 84.3 | 91.9 | 91.9 | 96.0 | 98.3 | 98.7 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1800 | 48.7 | 67.9 | 83.4 | 84.3 | 91.9 | 91.9 | 96.0 | 98.3 | 98.7 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1500 | 48.9 | 68.1 | 83.3 | 84.7 | 92.3 | 92.3 | 96.4 | 98.7 | 99.1 | 99.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 48.9 | 68.1 | 83.3 | 84.7 | 92.3 | 92.3 | 96.4 | 98.7 | 99.1 | 99.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 48.9 | 68.1 | 83.3 | 84.7 | 92.3 | 92.3 | 96.4 | 98.7 | 99.1 | 99.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 48.9 | 68.1 | 83.3 | 84.7 | 92.3 | 92.3 | 96.4 | 98.7 | 99.1 | 99.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 48.9 | 68.1 | 83.3 | 84.7 | 92.3 | 92.3 | 96.4 | 98.7 | 99.1 | 99.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 48.9 | 68.1 | 83.3 | 84.7 | 92.3 | 92.3 | 96.4 | 98.7 | 99.1 | 99.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 48.9 | 68.1 | 83.3 | 84.7 | 92.3 | 92.3 | 96.4 | 98.7 | 99.1 | 99.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 48.9 | 68.1 | 83.3 | 84.7 | 92.3 | 92.3 | 96.4 | 98.7 | 99.1 | 99.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 48.9 | 68.1 | 83.3 | 84.7 | 92.3 | 92.3 | 96.4 | 98.7 | 99.1 | 99.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 48.9 | 68.1 | 83.3 | 84.7 | 92.3 | 92.3 | 96.4 | 98.7 | 99.1 | 99.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 48.9 | 68.1 | 83.3 | 84.7 | 92.3 | 92.3 | 96.4 | 98.7 | 99.1 | 99.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 48.9 | 68.1 | 83.3 | 84.7 | 92.3 | 92.3 | 96.4 | 98.7 | 99.1 | 99.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 01 | 48.9 | 68.1 | 83.3 | 84.7 | 92.3 | 92.3 | 96.4 | 98.7 | 99.1 | 99.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATION : 470

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 618413 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS(EST): 1900-1100

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|-------|-------|-------|-------|-------|
| | 1 | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 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 | 3 |
| NO CEIL | 10.0 | 20.6 | 24.7 | 25.1 | 28.5 | 28.5 | 31.6 | 32.5 | 33.3 | 33.3 | 33.7 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 |
| GE 20000 | 21.1 | 40.2 | 50.3 | 52.4 | 58.9 | 58.9 | 62.0 | 62.9 | 63.6 | 64.4 | 64.8 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 18000 | 21.1 | 40.2 | 50.3 | 52.4 | 58.9 | 58.9 | 62.0 | 62.9 | 63.6 | 64.4 | 64.8 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 16000 | 21.1 | 40.2 | 50.3 | 52.4 | 58.9 | 58.9 | 62.0 | 62.9 | 63.6 | 64.4 | 64.8 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 14000 | 21.1 | 41.1 | 51.1 | 53.3 | 60.0 | 60.0 | 63.2 | 64.1 | 64.8 | 65.6 | 66.0 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 12000 | 26.3 | 50.2 | 65.3 | 67.9 | 75.1 | 75.1 | 79.9 | 81.3 | 82.1 | 82.8 | 83.3 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 10000 | 26.3 | 50.2 | 65.3 | 67.9 | 75.1 | 75.1 | 79.9 | 81.3 | 82.1 | 82.8 | 83.3 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 9000 | 26.3 | 50.2 | 65.3 | 67.9 | 75.1 | 75.1 | 79.9 | 81.3 | 82.1 | 82.8 | 83.3 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 8000 | 26.3 | 50.2 | 65.3 | 67.9 | 75.1 | 75.1 | 79.9 | 81.3 | 82.1 | 82.8 | 83.3 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 7000 | 26.3 | 50.2 | 65.3 | 67.9 | 75.1 | 75.1 | 79.9 | 81.3 | 82.1 | 82.8 | 83.3 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 6000 | 26.3 | 50.2 | 65.3 | 67.9 | 75.1 | 75.1 | 79.9 | 81.3 | 82.1 | 82.8 | 83.3 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 5000 | 41.9 | 65.8 | 80.7 | 83.5 | 90.7 | 90.7 | 95.5 | 96.9 | 97.6 | 98.3 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 4500 | 41.9 | 65.8 | 80.7 | 83.5 | 90.7 | 90.7 | 95.5 | 96.9 | 97.6 | 98.3 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 4000 | 41.9 | 65.8 | 80.7 | 83.5 | 90.7 | 90.7 | 95.5 | 96.9 | 97.6 | 98.3 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 3500 | 41.9 | 65.8 | 80.7 | 83.5 | 90.7 | 90.7 | 95.5 | 96.9 | 97.6 | 98.3 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 3000 | 41.9 | 65.8 | 80.7 | 83.5 | 90.7 | 90.7 | 95.5 | 96.9 | 97.6 | 98.3 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 2500 | 41.9 | 65.8 | 80.7 | 83.5 | 90.7 | 90.7 | 95.5 | 96.9 | 97.6 | 98.3 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 2000 | 41.9 | 65.8 | 80.7 | 83.5 | 90.7 | 90.7 | 95.5 | 96.9 | 97.6 | 98.3 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1800 | 41.9 | 65.8 | 80.7 | 83.5 | 90.7 | 90.7 | 95.5 | 96.9 | 97.6 | 98.3 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1500 | 41.9 | 65.8 | 81.1 | 83.7 | 90.9 | 90.9 | 95.7 | 97.1 | 97.8 | 98.6 | 99.0 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1200 | 41.9 | 65.8 | 81.3 | 84.0 | 91.1 | 91.1 | 95.9 | 97.4 | 98.1 | 98.8 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 41.9 | 65.8 | 81.3 | 84.0 | 91.1 | 91.1 | 95.9 | 97.4 | 98.1 | 98.8 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 41.9 | 65.8 | 81.3 | 84.0 | 91.1 | 91.1 | 95.9 | 97.4 | 98.1 | 98.8 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 41.9 | 65.8 | 81.3 | 84.0 | 91.1 | 91.1 | 95.9 | 97.4 | 98.1 | 98.8 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 41.9 | 65.8 | 81.3 | 84.0 | 91.1 | 91.1 | 95.9 | 97.4 | 98.1 | 98.8 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 41.9 | 65.8 | 81.3 | 84.0 | 91.1 | 91.1 | 95.9 | 97.4 | 98.1 | 98.8 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 41.9 | 65.8 | 81.3 | 84.0 | 91.1 | 91.1 | 95.9 | 97.4 | 98.1 | 98.8 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 41.9 | 65.8 | 81.3 | 84.0 | 91.1 | 91.1 | 95.9 | 97.4 | 98.1 | 98.8 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 41.9 | 65.8 | 81.3 | 84.0 | 91.1 | 91.1 | 95.9 | 97.4 | 98.1 | 98.8 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 41.9 | 65.8 | 81.3 | 84.0 | 91.1 | 91.1 | 95.9 | 97.4 | 98.1 | 98.8 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 41.9 | 65.8 | 81.3 | 84.0 | 91.1 | 91.1 | 95.9 | 97.4 | 98.1 | 98.8 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 41.9 | 65.8 | 81.3 | 84.0 | 91.1 | 91.1 | 95.9 | 97.4 | 98.1 | 98.8 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 418

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC 4DJRS(LST): 0600-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|-------|-------|-------|-------|-------|--|
| | 10 | 8 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 3/8 | |
| NO CEIL | 8.4 | 36.3 | 45.2 | 46.8 | 49.8 | 50.0 | 53.6 | 54.2 | 54.6 | 54.8 | 54.8 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | |
| GE 20000 | 12.0 | 50.0 | 63.4 | 66.0 | 68.9 | 69.5 | 73.5 | 74.4 | 74.8 | 75.0 | 75.0 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | |
| GE 18000 | 12.0 | 50.0 | 63.4 | 66.0 | 68.9 | 69.5 | 73.5 | 74.4 | 74.8 | 75.0 | 75.0 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | |
| GE 16000 | 12.0 | 50.0 | 63.4 | 66.0 | 68.9 | 69.5 | 73.5 | 74.4 | 74.8 | 75.0 | 75.0 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | |
| GE 14000 | 12.0 | 50.0 | 63.4 | 66.0 | 68.9 | 70.0 | 73.9 | 74.8 | 75.2 | 75.4 | 75.4 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | |
| GE 12000 | 14.9 | 58.0 | 77.1 | 79.8 | 83.0 | 83.8 | 88.9 | 90.1 | 90.5 | 90.8 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | |
| GE 10000 | 14.9 | 58.2 | 77.3 | 80.0 | 83.2 | 84.0 | 89.1 | 90.3 | 90.8 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | |
| GE 9000 | 14.9 | 58.2 | 77.3 | 80.0 | 83.2 | 84.0 | 89.1 | 90.3 | 90.8 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | |
| GE 8000 | 14.9 | 58.2 | 77.3 | 80.0 | 83.2 | 84.0 | 89.1 | 90.3 | 90.8 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | |
| GE 7000 | 14.9 | 58.2 | 77.3 | 80.0 | 83.2 | 84.0 | 89.1 | 90.3 | 90.8 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | |
| GE 6000 | 14.9 | 58.2 | 77.3 | 80.0 | 83.2 | 84.0 | 89.1 | 90.3 | 90.8 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | |
| GE 5000 | 23.3 | 66.6 | 85.7 | 88.4 | 91.6 | 92.4 | 97.5 | 98.7 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 4500 | 23.3 | 66.6 | 85.7 | 88.4 | 91.6 | 92.4 | 97.5 | 98.7 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 4000 | 23.3 | 66.6 | 85.7 | 88.4 | 91.6 | 92.4 | 97.5 | 98.7 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 3500 | 23.3 | 66.6 | 85.7 | 88.4 | 91.6 | 92.4 | 97.5 | 98.7 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 3000 | 23.3 | 66.6 | 85.7 | 88.4 | 91.6 | 92.4 | 97.5 | 98.7 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 2500 | 23.3 | 66.6 | 85.7 | 88.4 | 91.6 | 92.4 | 97.5 | 98.7 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 2000 | 23.3 | 66.6 | 85.7 | 88.4 | 91.6 | 92.4 | 97.5 | 98.7 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 1800 | 23.3 | 66.6 | 85.7 | 88.4 | 91.6 | 92.4 | 97.5 | 98.7 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 1500 | 23.3 | 66.6 | 85.7 | 88.4 | 91.6 | 92.4 | 97.5 | 98.7 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 1200 | 23.3 | 66.6 | 85.7 | 88.7 | 91.8 | 92.6 | 97.7 | 98.9 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 1000 | 23.3 | 66.6 | 85.7 | 88.7 | 91.8 | 92.6 | 97.7 | 98.9 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 900 | 23.3 | 66.6 | 85.7 | 88.7 | 91.8 | 92.6 | 97.7 | 98.9 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 800 | 23.3 | 66.6 | 85.7 | 88.7 | 91.8 | 92.6 | 97.7 | 98.9 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 700 | 23.3 | 66.6 | 85.7 | 88.7 | 91.8 | 92.6 | 97.7 | 98.9 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 600 | 23.3 | 66.6 | 85.7 | 88.9 | 92.0 | 92.9 | 97.9 | 99.2 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 500 | 23.3 | 66.6 | 85.7 | 88.9 | 92.0 | 92.9 | 97.9 | 99.2 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 400 | 23.3 | 66.6 | 85.7 | 88.9 | 92.0 | 92.9 | 97.9 | 99.2 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 300 | 23.3 | 66.6 | 85.7 | 88.9 | 92.0 | 92.9 | 97.9 | 99.2 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 200 | 23.3 | 66.6 | 85.7 | 88.9 | 92.0 | 92.9 | 97.9 | 99.2 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 100 | 23.3 | 66.6 | 85.7 | 88.9 | 92.0 | 92.9 | 97.9 | 99.2 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 01 | 23.3 | 66.6 | 85.7 | 88.9 | 92.0 | 92.9 | 97.9 | 99.2 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 476

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS(UT): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3/8 |
| NO CEIL | 8.2 | 31.8 | 46.3 | 48.4 | 51.6 | 51.6 | 55.0 | 56.3 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| GE 2000 | 11.3 | 42.9 | 63.7 | 65.3 | 68.4 | 68.4 | 72.9 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 1800 | 11.3 | 42.9 | 63.7 | 65.3 | 68.4 | 68.4 | 72.9 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 1600 | 11.3 | 42.9 | 63.7 | 65.3 | 68.4 | 68.4 | 72.9 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 1400 | 11.6 | 43.4 | 64.3 | 66.1 | 69.2 | 69.2 | 73.7 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 1200 | 12.9 | 50.8 | 77.5 | 79.2 | 82.9 | 82.9 | 87.4 | 88.9 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 1000 | 12.9 | 50.8 | 77.5 | 79.2 | 82.9 | 82.9 | 87.4 | 88.9 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 900 | 12.9 | 50.8 | 77.5 | 79.2 | 82.9 | 82.9 | 87.4 | 88.9 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 800 | 12.9 | 50.8 | 77.5 | 79.2 | 82.9 | 82.9 | 87.4 | 88.9 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 700 | 12.9 | 50.8 | 77.5 | 79.2 | 82.9 | 82.9 | 87.4 | 88.9 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 600 | 12.9 | 50.8 | 77.5 | 79.2 | 82.9 | 82.9 | 87.4 | 88.9 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 500 | 22.9 | 60.8 | 87.5 | 89.2 | 92.9 | 92.9 | 97.4 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 450 | 22.9 | 60.8 | 87.5 | 89.2 | 92.9 | 92.9 | 97.4 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 22.9 | 60.8 | 87.5 | 89.2 | 92.9 | 92.9 | 97.4 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 350 | 22.9 | 60.8 | 87.5 | 89.2 | 92.9 | 92.9 | 97.4 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300 | 22.9 | 60.8 | 87.5 | 89.2 | 92.9 | 92.9 | 97.4 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 250 | 22.9 | 60.8 | 87.5 | 89.2 | 92.9 | 92.9 | 97.4 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 200 | 22.9 | 60.8 | 87.5 | 89.2 | 92.9 | 92.9 | 97.4 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 180 | 22.9 | 60.8 | 87.5 | 89.2 | 92.9 | 92.9 | 97.4 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 150 | 22.9 | 60.8 | 87.5 | 89.2 | 92.9 | 92.9 | 97.4 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 120 | 22.9 | 60.8 | 87.5 | 89.2 | 92.9 | 92.9 | 97.4 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 100 | 22.9 | 60.8 | 87.5 | 89.2 | 92.9 | 92.9 | 97.4 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 0 | 22.9 | 60.8 | 87.5 | 89.2 | 92.9 | 92.9 | 97.4 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS: 340

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: DEC HOURS(EST): 0000-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|-------|-------|--|
| | 10 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 3 | |
| NO CEIL | 8.9 | 32.5 | 44.4 | 44.8 | 47.7 | 47.7 | 51.1 | 51.7 | 52.1 | 52.1 | 52.1 | 52.1 | 52.3 | 52.3 | 52.3 | |
| GE 20000 | 12.4 | 45.0 | 60.5 | 61.1 | 64.1 | 64.1 | 68.4 | 69.0 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.6 | 69.6 | |
| GE 18000 | 12.4 | 45.0 | 60.5 | 61.1 | 64.1 | 64.1 | 68.4 | 69.0 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.6 | 69.6 | |
| GE 16000 | 12.4 | 45.0 | 60.5 | 61.1 | 64.1 | 64.1 | 68.4 | 69.0 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.6 | 69.6 | |
| GE 14000 | 12.4 | 45.4 | 61.3 | 61.7 | 64.7 | 64.7 | 69.0 | 69.6 | 70.0 | 70.0 | 70.0 | 70.0 | 70.2 | 70.2 | 70.2 | |
| GE 12000 | 15.6 | 56.0 | 77.9 | 78.5 | 82.6 | 82.6 | 87.8 | 88.6 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.5 | 89.5 | |
| GE 10000 | 15.6 | 56.0 | 77.9 | 78.5 | 82.6 | 82.6 | 87.8 | 88.6 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.5 | 89.5 | |
| GE 9000 | 15.6 | 56.0 | 77.9 | 78.5 | 82.6 | 82.6 | 87.8 | 88.6 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.5 | 89.5 | |
| GE 8000 | 15.6 | 56.0 | 77.9 | 78.5 | 82.6 | 82.6 | 87.8 | 88.6 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.5 | 89.5 | |
| GE 7000 | 15.6 | 56.0 | 77.9 | 78.5 | 82.6 | 82.6 | 87.8 | 88.6 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.5 | 89.5 | |
| GE 6000 | 15.6 | 56.2 | 78.1 | 78.7 | 82.8 | 82.8 | 88.0 | 88.8 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.7 | 89.7 | |
| GE 5000 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 4500 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 4000 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 3500 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 3000 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 2500 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 2000 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 1800 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 1500 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 1200 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 1000 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 900 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 800 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 700 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 600 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 500 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 400 | 25.8 | 66.3 | 88.2 | 88.8 | 92.9 | 92.9 | 98.2 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | |
| GE 300 | 25.8 | 66.3 | 88.2 | 88.8 | 93.1 | 93.1 | 98.4 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | |
| GE 200 | 25.8 | 66.3 | 88.2 | 88.8 | 93.1 | 93.1 | 98.4 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | |
| GE 100 | 25.8 | 66.3 | 88.2 | 88.8 | 93.1 | 93.1 | 98.4 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | |
| GE 01 | 25.8 | 66.3 | 88.2 | 88.8 | 93.1 | 93.1 | 98.4 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 423

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(IST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3 |
| NO CEIL | .0 | 20.1 | 30.2 | 41.3 | 41.6 | 42.1 | 42.1 | 42.3 | 42.4 | 42.4 | 42.4 | 42.4 | 42.5 | 42.5 | 42.5 | 42.6 |
| GE 20000 | .1 | 30.6 | 53.8 | 62.1 | 62.4 | 63.6 | 63.6 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 18000 | .1 | 30.6 | 53.9 | 62.1 | 62.4 | 63.6 | 63.6 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 16000 | .1 | 30.6 | 53.9 | 62.1 | 62.4 | 63.6 | 63.6 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 14000 | .1 | 30.7 | 54.2 | 62.3 | 62.8 | 64.1 | 64.1 | 64.6 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.9 |
| GE 12000 | .1 | 33.0 | 59.5 | 68.3 | 69.1 | 70.5 | 70.6 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.8 |
| GE 10000 | .1 | 33.1 | 59.5 | 68.7 | 69.2 | 70.6 | 70.7 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.9 |
| GE 9000 | .1 | 33.1 | 59.5 | 68.7 | 69.2 | 70.6 | 70.7 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.9 |
| GE 8000 | .1 | 33.1 | 59.5 | 68.7 | 69.2 | 70.6 | 70.7 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.9 |
| GE 7000 | .1 | 33.1 | 59.5 | 68.7 | 69.2 | 70.6 | 70.7 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.9 |
| GE 6000 | .1 | 33.1 | 59.5 | 68.7 | 69.2 | 70.6 | 70.7 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.9 |
| GE 5000 | .1 | 60.2 | 86.7 | 95.3 | 96.3 | 97.8 | 97.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 |
| GE 4500 | .1 | 60.3 | 86.7 | 95.3 | 96.4 | 97.8 | 97.9 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 |
| GE 4000 | .1 | 60.3 | 86.7 | 95.3 | 96.4 | 97.8 | 97.9 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 |
| GE 3500 | .1 | 60.3 | 86.7 | 95.3 | 96.4 | 97.8 | 97.9 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 |
| GE 3000 | .1 | 60.3 | 86.7 | 95.3 | 96.4 | 97.8 | 97.9 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.3 |
| GE 2500 | .1 | 60.3 | 86.7 | 95.3 | 96.4 | 97.8 | 97.9 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 |
| GE 2000 | .1 | 60.3 | 86.7 | 95.3 | 96.4 | 97.8 | 97.9 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 |
| GE 1800 | .1 | 60.3 | 86.7 | 95.3 | 96.4 | 97.8 | 97.9 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 |
| GE 1500 | .1 | 60.7 | 87.2 | 96.3 | 96.8 | 98.3 | 98.3 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 |
| GE 1200 | .1 | 60.9 | 87.5 | 96.7 | 97.1 | 98.6 | 98.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| GE 1000 | .1 | 61.0 | 87.6 | 96.3 | 97.3 | 98.7 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 |
| GE 900 | .1 | 61.0 | 87.6 | 96.3 | 97.3 | 98.7 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 |
| GE 800 | .1 | 61.0 | 87.6 | 96.3 | 97.3 | 98.7 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 |
| GE 700 | .1 | 61.0 | 87.6 | 96.3 | 97.3 | 98.7 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 |
| GE 600 | .1 | 61.0 | 87.6 | 96.3 | 97.3 | 98.7 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 |
| GE 500 | .1 | 61.0 | 87.6 | 96.3 | 97.3 | 98.8 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 400 | .1 | 61.0 | 87.6 | 96.3 | 97.3 | 98.8 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 300 | .1 | 61.0 | 87.6 | 96.3 | 97.3 | 98.8 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 200 | .1 | 61.0 | 87.6 | 96.3 | 97.3 | 98.8 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 100 | .1 | 61.0 | 87.6 | 96.3 | 97.3 | 98.8 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 0 | .1 | 61.0 | 87.6 | 96.3 | 97.3 | 98.8 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 3336

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 616410 STATION NAME: DAKAR SENEGAL

PERIOD OF RECORD: 75-84
 MONTH: NOV HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN 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 |
| NO CEIL | 17.2 | 34.2 | 39.5 | 39.9 | 40.2 | 40.2 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.7 |
| GE 20000 | 23.5 | 47.5 | 55.5 | 55.7 | 57.1 | 57.1 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.9 |
| GE 18000 | 23.5 | 47.8 | 55.7 | 56.0 | 57.4 | 57.4 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 58.2 |
| GE 16000 | 23.5 | 47.8 | 55.7 | 56.0 | 57.4 | 57.4 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 58.2 |
| GE 14000 | 23.5 | 47.8 | 55.7 | 56.0 | 57.4 | 57.4 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 58.2 |
| GE 12000 | 24.9 | 52.5 | 61.2 | 61.7 | 63.1 | 63.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.8 |
| GE 10000 | 24.9 | 52.7 | 61.7 | 62.3 | 63.7 | 63.9 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.3 |
| GE 9000 | 24.9 | 52.7 | 61.7 | 62.3 | 63.7 | 63.9 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.3 |
| GE 8000 | 24.9 | 52.7 | 61.7 | 62.3 | 63.7 | 63.9 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.3 |
| GE 7000 | 24.9 | 52.7 | 61.7 | 62.3 | 63.7 | 63.9 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.3 |
| GE 6000 | 24.9 | 52.7 | 61.7 | 62.3 | 63.7 | 63.9 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.3 |
| GE 5000 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 4500 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 4000 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 3500 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 3000 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 2500 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 2000 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 1800 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 1500 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 1200 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 1000 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 900 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 800 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 700 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 600 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 500 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 400 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 300 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 200 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 100 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 0 | 59.6 | 87.4 | 96.4 | 97.0 | 98.4 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 356

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

W16410 DAKAR SENEGAL 76-85 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF TOTAL SKY COVER | TOTAL OBSERVATIONS |
|--------|-----------------|---|-----|---|-----|------|-----|------|---|------|------|-----|--------------------------------------|-----------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| MAY | 00-02 | 57.7 | 3.0 | | 7.2 | 6.2 | 6.2 | 4.9 | | 5.9 | 8.2 | .7 | 2.4 | 3 |
| | 03-05 | 48.4 | .4 | | 4.5 | 12.1 | 8.5 | 9.4 | | 7.6 | 8.5 | .4 | 3.0 | 2 |
| | 06-08 | 39.3 | 2.0 | | 6.2 | 10.2 | 7.9 | 11.5 | | 9.5 | 10.5 | 1.0 | 3.6 | 3 |
| | 09-11 | 35.4 | 3.3 | | 9.9 | 10.3 | 5.8 | 9.9 | | 11.9 | 13.2 | .4 | 3.8 | 2 |
| | 12-14 | 44.2 | 6.0 | | 6.0 | 6.6 | 4.3 | 11.3 | | 12.3 | 9.3 | | 3.2 | 3 |
| | 15-17 | 44.7 | 4.7 | | 4.3 | 8.7 | 4.7 | 9.5 | | 13.4 | 9.1 | .8 | 3.3 | 2 |
| | 18-20 | 43.9 | 6.3 | | 6.3 | 7.0 | 7.6 | 7.6 | | 11.6 | 9.3 | .3 | 3.2 | 3 |
| | 21-23 | 45.3 | 3.1 | | 6.7 | 12.0 | 7.1 | 9.3 | | 6.7 | 9.3 | .4 | 3.0 | 2 |
| TOTALS | | 44.2 | 3.6 | | 6.6 | 9.1 | 6.5 | 9.2 | | 9.9 | 9.7 | .5 | 3.2 | 21 |

2

FEDERAL CLIMATOLOGY BRANCH
WASH DC
METEOROLOGICAL SERVICE/MAC

SKY COVER

18410 STATION TAKAR SENEGAL STATION NAME 75-84 PERIOD JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL OBSERV- ED | |
|--------|-----------------|---|-----|---|------|------|------|------|---|------|------|--------------------------------|------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JUL | 00-02 | 10.1 | 5.4 | | 9.7 | 9.7 | 12.4 | 15.1 | | 18.8 | 16.8 | 2.0 | 5.5 | 298 |
| | 03-05 | 5.1 | 4.2 | | 4.7 | 14.9 | 17.2 | 19.5 | | 15.3 | 17.2 | 1.9 | 5.8 | 215 |
| | 06-08 | 4.3 | 1.7 | | 6.0 | 11.6 | 15.2 | 21.2 | | 19.2 | 19.9 | 1.0 | 6.1 | 302 |
| | 09-11 | 2.4 | 2.8 | | 3.3 | 8.5 | 8.1 | 20.3 | | 28.9 | 23.6 | 2.0 | 6.7 | 246 |
| | 12-14 | 3.6 | 2.3 | | 3.3 | 8.9 | 13.9 | 19.2 | | 28.1 | 18.5 | 2.0 | 6.4 | 302 |
| | 15-17 | 5.2 | 2.4 | | 4.8 | 7.2 | 11.6 | 19.3 | | 27.3 | 20.9 | 1.2 | 6.4 | 249 |
| | 18-20 | 2.0 | 2.0 | | 4.0 | 8.6 | 11.3 | 19.6 | | 27.9 | 23.3 | 1.3 | 6.7 | 301 |
| | 21-23 | 3.9 | 1.7 | | 10.0 | 10.9 | 12.2 | 22.7 | | 21.4 | 14.8 | 2.2 | 6.0 | 229 |
| TOTALS | | 4.6 | 2.8 | | 5.7 | 10.0 | 12.7 | 19.6 | | 23.4 | 19.4 | 1.7 | 6.2 | 2142 |

2
 FEDERAL CLIMATOLOGY BRANCH
 AF/TAC
 AIR WEATHER SERVICE/MAJ

SKY COVER

11210 STATION DIKAR SENEGAL STATION NAME 75-85 PERIOD

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | TOTAL OBSERVATIONS | |
|--------|----------------|---|-----|---|-----|------|------|------|---|------|------|-----|-----------------------|-------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| ALL | ALL | 33.7 | 3.7 | | 6.8 | 9.8 | 6.2 | 8.9 | | 12.8 | 15.5 | 2.6 | 4.1 | 2033 |
| SEP | | 45.7 | 3.0 | | 6.1 | 8.2 | 5.1 | 8.2 | | 12.9 | 10.5 | .3 | 3.3 | 1674 |
| OCT | | 47.1 | 3.1 | | 5.5 | 8.5 | 5.7 | 9.2 | | 11.0 | 9.3 | .7 | 3.2 | 2060 |
| NOV | | 57.5 | 3.4 | | 6.9 | 8.2 | 6.1 | 7.7 | | 8.6 | 6.0 | .3 | 2.6 | 2013 |
| DEC | | 44.9 | 3.6 | | 6.6 | 9.1 | 6.5 | 9.2 | | 9.9 | 9.7 | .5 | 3.2 | 2156 |
| JAN | | 17.3 | 4.7 | | 7.4 | 10.3 | 11.1 | 15.6 | | 19.4 | 13.2 | 1.0 | 5.0 | 2017 |
| FEB | | 4.7 | 2.8 | | 5.7 | 10.0 | 12.7 | 19.6 | | 23.4 | 19.4 | 1.7 | 6.2 | 2142 |
| MAR | | 2.2 | 2.6 | | 5.6 | 11.5 | 13.1 | 18.6 | | 23.0 | 20.3 | 3.2 | 6.4 | 2112 |
| APR | | 5.3 | 3.9 | | 7.3 | 12.4 | 12.4 | 16.8 | | 19.2 | 19.9 | 2.8 | 6.0 | 2019 |
| MAY | | 22.7 | 4.5 | | 9.1 | 12.8 | 9.6 | 14.8 | | 15.8 | 10.1 | .9 | 4.5 | 1995 |
| JUN | | 30.1 | 3.7 | | 9.5 | 10.4 | 7.9 | 11.8 | | 13.1 | 12.4 | 1.1 | 4.1 | 1972 |
| JUL | | 22.7 | 2.7 | | 6.4 | 9.0 | 7.3 | 12.4 | | 15.9 | 21.3 | 2.2 | 5.1 | 2035 |
| TOTALS | | 27.4 | 3.5 | | 6.9 | 10.0 | 8.6 | 12.7 | | 15.4 | 14.0 | 1.4 | 4.5 | 24436 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PSYCHROMETRIC SUMMARIES

PART 4

In this section are presented various summaries of dry and wet-bulb temperatures, dewpoints, and relative humidity. The order and manner of representations follows:

1. Cumulative percentage frequency of occurrence--Derived from available hourly 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 deviations, and total number of observations in three separate tables as follows:

- a. Daily HIGH temperatures (for available observations)
- b. Daily LOW temperatures (for available observations)
- c. Daily mean temperatures (high + low temperatures divided by two)

2. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This summary was prepared monthly for the 1950's pending the advent of PDS W-1 in mid 1950's.

✓

3. Means and standard deviations--These tabulations are derived from available hourly observations and present the mean, standard deviation, and total number of observations for the 3-hour groups, by month and annual and again at the bottom for all hours combine. Summaries for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, AND DEWPOINT TEMPERATURE.

4. Cumulative percentage frequency of occurrence of relative humidity--This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10 percent classes, plus the mean relative humidity and total number of observations presented by month and available 3-hour groups.

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMTC
 4000 REARFIELD SERVICE ROAD

MEANS AND STANDARD DEVIATION

DEW-POINT TEMPERATURES DEB F FROM HOURLY OBSERVATIONS

STATION 107501

75-25

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | |
|-----------|--------------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------|--|
| HRS (EST) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNU | |
| 0-2 | MEAN S D TOTAL OBS | 61.4 3.956 473 | 61.4 2.855 464 | 62.8 3.078 483 | 64.0 2.556 471 | 66.4 2.695 500 | 71.5 2.621 438 | 73.0 2.288 492 | 74.8 2.320 478 | 76.0 2.002 464 | 75.1 2.032 485 | 75.0 3.725 460 | 64.4 4.961 485 | 6 | |
| | MEAN S D TOTAL OBS | 60.8 4.334 36 | 60.8 2.426 389 | 62.3 2.771 424 | 64.0 2.288 397 | 65.8 2.773 436 | 71.0 2.451 351 | 72.3 2.510 424 | 74.0 2.170 426 | 75.1 2.144 374 | 74.1 2.647 399 | 64.1 4.689 362 | 62.0 5.443 376 | 6 | |
| | MEAN S D TOTAL OBS | 57.0 6.677 45 | 59.0 3.878 457 | 61.7 2.966 475 | 64.0 2.321 461 | 65.5 2.694 491 | 70.7 2.490 436 | 72.3 2.193 496 | 74.0 2.043 488 | 74.8 1.966 461 | 73.7 3.307 496 | 67.2 6.029 457 | 59.0 7.937 475 | 5 | |
| 1-1 | MEAN S D TOTAL OBS | 58.0 4.164 36 | 58.0 7.193 398 | 61.7 4.052 415 | 64.2 2.655 416 | 65.7 2.900 431 | 71.1 2.319 377 | 72.6 2.221 442 | 74.2 2.152 406 | 75.2 2.122 417 | 73.6 3.977 415 | 63.2 8.513 403 | 56.1 9.518 416 | 6 | |
| 1-1 | MEAN S D TOTAL OBS | 58.0 7.551 40 | 56.5 7.549 454 | 60.7 4.987 462 | 63.7 3.291 446 | 65.4 2.803 493 | 70.9 2.713 448 | 72.7 2.204 436 | 74.4 2.237 473 | 75.5 2.487 459 | 73.1 4.273 488 | 64.4 7.237 465 | 55.6 7.795 466 | 5 | |
| 1-1 | MEAN S D TOTAL OBS | 57.0 5.457 414 | 57.8 5.617 419 | 61.0 4.978 431 | 63.8 3.370 429 | 65.6 3.014 450 | 71.1 2.627 378 | 72.6 2.017 440 | 74.2 2.126 424 | 75.4 2.338 427 | 73.2 3.871 437 | 60.4 5.031 399 | 58.5 5.526 434 | 6 | |
| 1-2 | MEAN S D TOTAL OBS | 59.0 4.012 47 | 59.8 4.017 459 | 61.8 3.756 477 | 64.3 2.825 456 | 65.8 2.791 492 | 71.0 2.447 423 | 72.6 2.022 487 | 74.3 2.107 479 | 75.3 1.922 463 | 73.4 2.884 489 | 60.5 3.012 452 | 62.1 4.453 490 | 5 | |
| 1-23 | MEAN S D TOTAL OBS | 60.0 3.076 32 | 60.0 2.97 379 | 62.3 3.361 43 | 64.2 2.579 410 | 66.2 2.540 443 | 71.1 2.560 394 | 72.4 2.235 446 | 74.2 2.120 415 | 75.4 2.071 393 | 74.4 2.621 374 | 60.9 3.282 364 | 63.9 3.756 375 | 6 | |
| ALL HOURS | MEAN S D TOTAL OBS | 61.5 6.43 344 | 59.3 5.221 3419 | 61.0 3.675 3571 | 64.1 2.783 3467 | 65.3 2.795 3736 | 71.0 2.542 3245 | 72.6 2.222 3715 | 74.3 2.175 3589 | 75.3 2.159 3450 | 73.9 3.390 3606 | 67.6 6.046 3362 | 60.3 7.259 3529 | 7 | |

FEDERAL CLIMATOLOGY BRANCH
 ETAC
 AIRCRAFT SERVICE CLIMAC

MEANS AND STANDARD DEVIATIO

TEMPERATURES DEGREE F FROM HOURLY OBSERVATIONS

| STATION | STATION NAME | YEARS | | | | | | | | | | | | |
|-----------|--------------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------|
| 1-1 | AAAH SENEZAL | 75-85 | | | | | | | | | | | | |
| HRS (LST) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNU |
| 1-2 | MEAN S D TOTAL OBS | 63.2 2.674 473 | 63.2 2.253 464 | 64.5 2.498 483 | 66.0 2.199 478 | 67.8 2.557 500 | 73.2 2.216 436 | 75.0 1.747 492 | 76.4 1.817 478 | 77.2 1.701 464 | 76.5 2.095 495 | 72.4 2.906 460 | 66.7 2.519 465 | 7 |
| 1-3 | MEAN S D TOTAL OBS | 61.0 2.757 36 | 62.5 2.323 359 | 63.7 2.365 474 | 65.1 1.978 377 | 67.1 2.541 436 | 72.6 2.101 351 | 74.2 1.953 424 | 75.6 1.736 426 | 76.5 1.815 374 | 75.6 2.266 399 | 71.2 3.224 352 | 65.0 4.110 376 | 6 |
| 1-4 | MEAN S D TOTAL OBS | 61.0 3.67 40 | 61.0 2.664 457 | 63.2 2.391 475 | 65.0 1.994 401 | 66.8 2.547 491 | 72.3 2.293 436 | 74.1 1.792 496 | 75.5 1.714 488 | 76.1 1.743 461 | 75.3 2.533 496 | 70.0 4.154 457 | 63.5 4.744 475 | 5 |
| 1-11 | MEAN S D TOTAL OBS | 62.5 4.31 32 | 62.5 3.393 398 | 64.6 2.676 415 | 66.6 1.977 418 | 68.2 2.516 431 | 73.6 2.101 377 | 75.2 1.745 442 | 76.4 1.615 406 | 77.2 1.791 417 | 76.2 2.634 413 | 70.3 4.022 403 | 62.9 5.141 415 | 6 |
| 1-11 | MEAN S D TOTAL OBS | 62.5 3.597 40 | 63.2 3.411 454 | 65.7 2.751 462 | 67.6 2.391 446 | 69.0 2.401 493 | 74.3 2.195 448 | 75.9 1.762 466 | 77.3 1.719 473 | 78.1 1.998 459 | 76.8 2.546 488 | 70.9 3.476 465 | 64.2 4.099 460 | 7 |
| 1-11 | MEAN S D TOTAL OBS | 64.7 2.943 414 | 64.7 2.906 419 | 66.0 2.642 431 | 67.7 2.067 429 | 69.2 2.577 453 | 74.6 2.015 378 | 76.0 1.587 440 | 77.1 1.664 424 | 78.2 1.818 427 | 76.9 2.628 437 | 72.0 3.029 399 | 65.7 3.315 439 | 7 |
| 1-2 | MEAN S D TOTAL OBS | 64.1 2.698 47 | 64.1 2.434 459 | 65.2 2.610 477 | 66.8 2.208 456 | 68.3 2.479 492 | 73.7 2.070 423 | 75.4 1.650 487 | 76.7 1.649 479 | 77.5 1.557 463 | 76.3 2.167 499 | 72.0 2.835 452 | 66.5 3.176 490 | 7 |
| 1-23 | MEAN S D TOTAL OBS | 63.3 2.123 32 | 63.3 2.159 379 | 64.3 2.627 403 | 65.7 2.086 410 | 67.8 2.439 443 | 73.1 2.180 394 | 74.6 1.726 441 | 76.1 1.654 415 | 76.9 1.689 393 | 76.1 2.065 394 | 72.1 2.689 364 | 66.5 2.927 378 | 7 |
| ALL HOURS | MEAN S D TOTAL OBS | 63.2 2.401 344 | 63.2 2.893 3419 | 64.6 2.742 3570 | 65.3 2.290 3467 | 68.0 2.624 3736 | 73.4 2.272 3245 | 75.1 1.871 3715 | 76.4 1.907 3589 | 77.2 1.886 3458 | 76.2 2.479 3676 | 71.3 3.638 3382 | 65.1 4.160 3529 | 7 |

ALTIMETER LOGS - RANCH
 STATION
 WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATION

WINTER MONTH TEMPERATURES DERIVED FROM HOURLY OBSERVATIONS

STATION 4445 SQUAW

75-85

| HRS PER DAY | STATION NAME | YEARS | | | | | | | | | | | | ANN |
|----------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 1-23 | MEAN | 66.7 | 66.1 | 67.2 | 68.2 | 70.4 | 76.8 | 79.4 | 80.2 | 80.4 | 79.7 | 76.1 | 70.7 | |
| | S D | 2.740 | 2.594 | 2.563 | 2.430 | 2.909 | 2.461 | 1.733 | 1.713 | 1.811 | 2.101 | 2.512 | 3.040 | 6.0 |
| | TOTAL OBS | 472 | 464 | 484 | 472 | 501 | 439 | 492 | 479 | 465 | 485 | 461 | 457 | |
| 1-1 | MEAN | 65.5 | 65.0 | 65.9 | 67.1 | 69.6 | 75.9 | 76.4 | 79.2 | 79.5 | 78.7 | 75.2 | 69.7 | |
| | S D | 2.644 | 2.233 | 2.545 | 2.226 | 2.911 | 2.432 | 1.814 | 1.876 | 2.339 | 2.579 | 2.757 | 3.421 | 6.0 |
| | TOTAL OBS | 373 | 389 | 427 | 400 | 440 | 353 | 428 | 431 | 374 | 401 | 366 | 391 | |
| 1-1 | MEAN | 64.0 | 64.3 | 65.5 | 66.9 | 69.2 | 75.4 | 78.1 | 78.8 | 79.0 | 78.6 | 74.8 | 69.0 | |
| | S D | 2.660 | 2.350 | 2.451 | 2.193 | 2.975 | 2.702 | 1.870 | 1.873 | 2.189 | 2.549 | 3.014 | 3.534 | 6.0 |
| | TOTAL OBS | 470 | 457 | 476 | 462 | 491 | 438 | 490 | 488 | 461 | 497 | 457 | 473 | |
| 1-1 | MEAN | 64.2 | 65.7 | 69.2 | 71.0 | 73.0 | 79.0 | 81.0 | 81.6 | 82.1 | 82.5 | 78.8 | 72.1 | |
| | S D | 3.350 | 4.273 | 3.470 | 2.746 | 2.970 | 2.754 | 2.555 | 1.976 | 2.691 | 2.797 | 3.271 | 3.896 | 6.0 |
| | TOTAL OBS | 401 | 379 | 417 | 423 | 434 | 376 | 447 | 410 | 414 | 422 | 415 | 423 | |
| 1-23 | MEAN | 73.0 | 74.7 | 73.7 | 74.5 | 75.9 | 81.6 | 83.4 | 84.1 | 84.7 | 85.4 | 82.4 | 76.4 | |
| | S D | 5.090 | 5.704 | 4.131 | 3.178 | 2.944 | 2.544 | 2.297 | 2.420 | 2.809 | 2.736 | 3.070 | 4.589 | 5.0 |
| | TOTAL OBS | 40 | 434 | 464 | 445 | 493 | 448 | 486 | 475 | 461 | 489 | 466 | 470 | |
| 1-1 | MEAN | 73.4 | 74.0 | 74.2 | 74.9 | 75.8 | 81.9 | 83.8 | 84.4 | 85.3 | 85.5 | 82.7 | 76.9 | |
| | S D | 4.686 | 4.796 | 4.188 | 3.501 | 3.124 | 2.344 | 2.102 | 2.420 | 2.564 | 2.550 | 3.815 | 4.400 | 5.0 |
| | TOTAL OBS | 41 | 419 | 432 | 43 | 452 | 379 | 445 | 426 | 429 | 440 | 402 | 441 | |
| 2 | MEAN | 70.0 | 70.7 | 70.7 | 71.4 | 72.9 | 79.5 | 81.5 | 82.2 | 82.7 | 82.1 | 78.9 | 73.3 | |
| | S D | 3.517 | 3.573 | 3.998 | 3.161 | 2.986 | 2.364 | 1.986 | 1.924 | 2.023 | 2.170 | 3.200 | 3.603 | 5.0 |
| | TOTAL OBS | 47 | 46 | 478 | 459 | 493 | 425 | 491 | 479 | 463 | 484 | 454 | 451 | |
| 1-23 | MEAN | 67.0 | 67.3 | 67.6 | 68.4 | 70.8 | 77.2 | 79.7 | 80.4 | 80.8 | 80.1 | 76.5 | 71.0 | |
| | S D | 2.721 | 2.763 | 3.215 | 2.513 | 3.070 | 2.590 | 1.798 | 1.673 | 1.856 | 1.988 | 2.744 | 3.306 | 6.0 |
| | TOTAL OBS | 374 | 371 | 406 | 411 | 445 | 397 | 451 | 416 | 399 | 396 | 367 | 383 | |
| ALL HOURS | MEAN | 66.7 | 69.0 | 69.2 | 70.3 | 72.2 | 78.4 | 80.7 | 81.3 | 81.0 | 81.6 | 78.2 | 72.4 | |
| | S D | 4.734 | 5.351 | 4.639 | 4.065 | 3.859 | 3.430 | 2.816 | 2.800 | 3.163 | 3.577 | 4.336 | 4.736 | 6.0 |
| | TOTAL OBS | 344 | 3422 | 3594 | 355 | 3750 | 3257 | 3735 | 3604 | 3471 | 3620 | 3458 | 3551 | 40 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

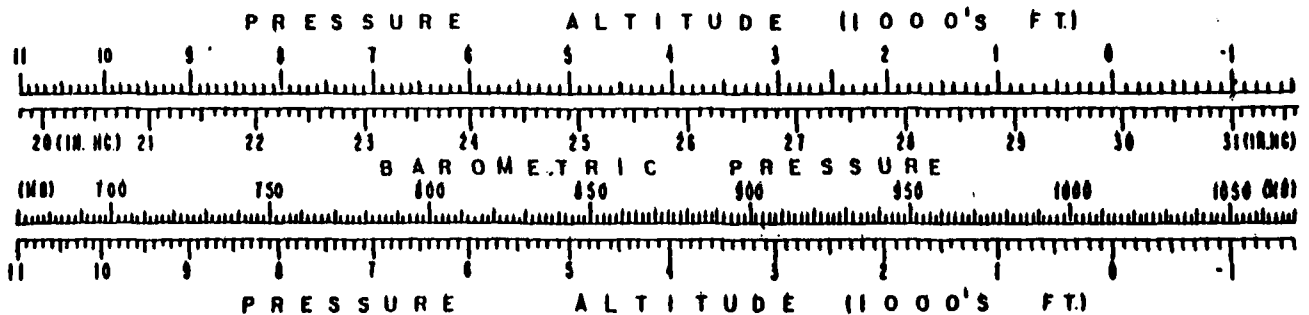
PART 5 PRESSURE SUMMARY

Presented in this part are 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 OCT. 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, although the over period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

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



FEDERAL BUREAU OF SURVEY
 METEOROLOGICAL SERVICE
 AIR FORCE SERVICE COMMAND

MEANS AND STANDARD DEVIATION

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION: 10-17 10-17 A-1 SEVIGAL

75-85

| STATION | | STATION NAME | | | | | | | | | | | | YEARS |
|------------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HRS (LST.) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| | MEAN | 29.734 | 29.745 | 29.782 | 29.767 | 29.765 | 29.809 | 29.814 | 29.815 | 29.799 | 29.786 | 29.870 | 29.870 | 29.8 |
| | S D | .04 | .038 | .039 | .035 | .03 | .053 | .044 | .042 | .042 | .040 | .038 | .046 | .0 |
| | TOTAL OBS | | 94 | 87 | 86 | 103 | 72 | 102 | 89 | 84 | 96 | 80 | 90 | 11 |
| | MEAN | 29.809 | 29.767 | 29.748 | 29.731 | 29.733 | 29.779 | 29.779 | 29.779 | 29.757 | 29.751 | 29.771 | 29.807 | 29.7 |
| | S D | .04 | .035 | .043 | .034 | .033 | .049 | .045 | .041 | .043 | .034 | .035 | .047 | .0 |
| | TOTAL OBS | | 95 | 91 | 87 | 99 | 70 | 94 | 90 | 85 | 92 | 82 | 89 | 10 |
| | MEAN | 29.747 | 29.755 | 29.745 | 29.729 | 29.732 | 29.775 | 29.770 | 29.770 | 29.759 | 29.746 | 29.768 | 29.800 | 29.7 |
| | S D | .047 | .044 | .049 | .034 | .032 | .057 | .038 | .040 | .040 | .035 | .033 | .046 | .0 |
| | TOTAL OBS | | 97 | 90 | 76 | 101 | 71 | 102 | 88 | 88 | 101 | 86 | 93 | 10 |
| | MEAN | 29.837 | 29.795 | 29.780 | 29.777 | 29.768 | 29.797 | 29.797 | 29.802 | 29.791 | 29.785 | 29.808 | 29.840 | 29.7 |
| | S D | .04 | .040 | .048 | .037 | .037 | .052 | .044 | .040 | .045 | .040 | .039 | .053 | .0 |
| | TOTAL OBS | | 93 | 89 | 92 | 88 | 70 | 95 | 95 | 93 | 96 | 84 | 90 | 10 |
| 1 | MEAN | 29.843 | 29.814 | 29.800 | 29.783 | 29.775 | 29.812 | 29.806 | 29.817 | 29.804 | 29.791 | 29.812 | 29.839 | 29.8 |
| | S D | .04 | .046 | .046 | .039 | .040 | .058 | .043 | .043 | .047 | .045 | .037 | .053 | .0 |
| | TOTAL OBS | | 94 | 77 | 86 | 92 | 79 | 95 | 88 | 81 | 93 | 87 | 88 | 11 |
| | MEAN | 29.772 | 29.746 | 29.734 | 29.735 | 29.733 | 29.775 | 29.776 | 29.768 | 29.751 | 29.733 | 29.749 | 29.769 | 29.7 |
| | S D | .041 | .038 | .044 | .037 | .041 | .054 | .043 | .040 | .040 | .044 | .039 | .046 | .0 |
| | TOTAL OBS | | 96 | 75 | 81 | 102 | 73 | 105 | 93 | 97 | 100 | 88 | 92 | 10 |
| | MEAN | 29.76 | 29.731 | 29.719 | 29.709 | 29.706 | 29.747 | 29.750 | 29.748 | 29.735 | 29.726 | 29.741 | 29.767 | 29.7 |
| | S D | .041 | .037 | .045 | .039 | .035 | .053 | .042 | .040 | .040 | .041 | .035 | .041 | .0 |
| | TOTAL OBS | | 87 | 85 | 70 | 99 | 75 | 97 | 83 | 85 | 94 | 88 | 90 | 11 |
| 1 | MEAN | 29.870 | 29.767 | 29.752 | 29.745 | 29.737 | 29.781 | 29.780 | 29.779 | 29.769 | 29.769 | 29.790 | 29.813 | 29.7 |
| | S D | .044 | .039 | .044 | .043 | .033 | .057 | .040 | .041 | .042 | .040 | .037 | .044 | .0 |
| | TOTAL OBS | | 88 | 92 | 89 | 93 | 75 | 101 | 86 | 86 | 93 | 82 | 94 | 11 |
| ALL HOURS | MEAN | 29.800 | 29.771 | 29.757 | 29.746 | 29.743 | 29.785 | 29.784 | 29.785 | 29.770 | 29.761 | 29.780 | 29.808 | 29.7 |
| | S D | .043 | .045 | .051 | .044 | .042 | .057 | .046 | .047 | .049 | .047 | .045 | .054 | .0 |
| | TOTAL OBS | 677 | 729 | 686 | 687 | 777 | 585 | 791 | 714 | 699 | 767 | 677 | 732 | 95 |

FEDERAL BUREAU OF SURVEY
 METEOROLOGICAL BRANCH
 WASHINGTON, D. C.
 AIR WEATHER SERVICE MAC

MEANS AND STANDARD DEVIATION

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

PERIOD: 1951-1955

75-85

| STATION | STATION NAME | YEARS | | | | | | | | | | | | |
|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HRS (LST) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| 0 | MEAN | 1011.0 | 1013.3 | 1012.6 | 1012.2 | 1012.7 | 1013.9 | 1013.6 | 1013.4 | 1013.0 | 1012.7 | 1013.0 | 1013.4 | 1013.0 |
| | S D | 1.06 | 1.387 | 1.511 | 1.463 | 1.409 | 1.499 | 1.652 | 1.480 | 1.449 | 1.312 | 1.320 | 1.492 | 1.07 |
| | TOTAL OBS | 3 | 276 | 303 | 293 | 303 | 299 | 293 | 299 | 289 | 294 | 291 | 303 | 353 |
| 1 | MEAN | 1013.4 | 1012.2 | 1011.5 | 1010.9 | 1011.3 | 1012.7 | 1012.4 | 1012.0 | 1011.7 | 1011.6 | 1012.0 | 1013.0 | 1013.0 |
| | S D | 1.67 | 1.346 | 1.541 | 1.475 | 1.374 | 1.358 | 1.617 | 1.504 | 1.324 | 1.348 | 1.375 | 1.289 | 1.09 |
| | TOTAL OBS | 1 | 181 | 26 | 191 | 217 | 190 | 213 | 220 | 177 | 195 | 186 | 164 | 231 |
| 2 | MEAN | 1012.0 | 1012.0 | 1011.2 | 1010.8 | 1011.4 | 1012.5 | 1012.2 | 1012.0 | 1011.6 | 1011.4 | 1011.5 | 1012.7 | 1011.0 |
| | S D | 1.053 | 1.374 | 1.573 | 1.459 | 1.352 | 1.546 | 1.614 | 1.525 | 1.499 | 1.306 | 1.330 | 1.495 | 1.0 |
| | TOTAL OBS | 2 | 277 | 297 | 286 | 304 | 242 | 299 | 302 | 289 | 301 | 290 | 296 | 353 |
| 3 | MEAN | 1014.4 | 1013.3 | 1012.7 | 1012.2 | 1012.5 | 1013.6 | 1013.1 | 1013.0 | 1012.9 | 1012.8 | 1013.2 | 1014.1 | 1013.0 |
| | S D | 1.725 | 1.346 | 1.529 | 1.438 | 1.472 | 1.468 | 1.733 | 1.600 | 1.602 | 1.356 | 1.301 | 1.466 | 1.07 |
| | TOTAL OBS | 21 | 26 | 225 | 224 | 241 | 214 | 244 | 216 | 236 | 213 | 206 | 232 | 267 |
| 4 | MEAN | 1014.0 | 1013.9 | 1013.2 | 1012.8 | 1013.2 | 1013.9 | 1013.6 | 1013.4 | 1013.4 | 1013.1 | 1013.3 | 1014.3 | 1013.0 |
| | S D | 1.672 | 1.401 | 1.592 | 1.444 | 1.522 | 1.551 | 1.717 | 1.589 | 1.402 | 1.372 | 1.477 | 1.509 | 1.07 |
| | TOTAL OBS | 2 | 276 | 297 | 281 | 300 | 293 | 302 | 300 | 291 | 297 | 290 | 296 | 351 |
| 5 | MEAN | 1012.2 | 1011.6 | 1011.2 | 1010.8 | 1011.5 | 1012.6 | 1012.4 | 1012.0 | 1011.6 | 1011.1 | 1011.2 | 1011.4 | 1011.0 |
| | S D | 1.000 | 1.429 | 1.520 | 1.555 | 1.475 | 1.526 | 1.585 | 1.514 | 1.323 | 1.371 | 1.337 | 1.510 | 1.07 |
| | TOTAL OBS | 23 | 216 | 230 | 230 | 249 | 224 | 244 | 236 | 240 | 231 | 226 | 242 | 275 |
| 6 | MEAN | 1011.0 | 1011.1 | 1010.3 | 1010.0 | 1010.7 | 1011.8 | 1011.5 | 1011.3 | 1011.0 | 1010.7 | 1011.0 | 1011.7 | 1011.0 |
| | S D | 1.042 | 1.489 | 1.615 | 1.527 | 1.449 | 1.471 | 1.643 | 1.553 | 1.412 | 1.377 | 1.342 | 1.547 | 1.09 |
| | TOTAL OBS | 3 | 274 | 296 | 289 | 299 | 258 | 302 | 305 | 291 | 296 | 290 | 284 | 352 |
| 7 | MEAN | 1013.4 | 1012.2 | 1011.7 | 1011.1 | 1011.7 | 1012.9 | 1012.7 | 1012.2 | 1012.1 | 1012.0 | 1012.5 | 1013.2 | 1012.0 |
| | S D | 1.050 | 1.587 | 1.524 | 1.575 | 1.449 | 1.447 | 1.673 | 1.530 | 1.421 | 1.371 | 1.395 | 1.482 | 1.0 |
| | TOTAL OBS | 1 | 153 | 180 | 18 | 221 | 212 | 227 | 211 | 192 | 156 | 166 | 165 | 221 |
| ALL HOURS | MEAN | 1013.3 | 1012.5 | 1011.8 | 1011.4 | 1011.7 | 1013.0 | 1012.7 | 1012.4 | 1012.2 | 1011.7 | 1012.2 | 1013.1 | 1012.0 |
| | S D | 1.01 | 1.711 | 1.815 | 1.751 | 1.659 | 1.666 | 1.796 | 1.718 | 1.651 | 1.583 | 1.598 | 1.754 | 1.0 |
| | TOTAL OBS | 200 | 169 | 2036 | 179 | 2130 | 2902 | 2124 | 2089 | 2095 | 1973 | 1949 | 2021 | 241 |

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