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MCGUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVA... (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. DEC 87
USAFETAC/DS-87/882

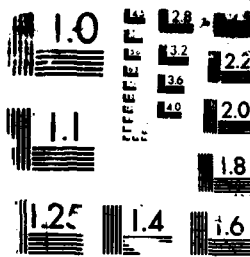
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OPERATING LOCATION - A
USAFETAC
Air Weather Service (MAC)



REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

MC GUIRE AFB NJ MSC 724096
N 40 01 W 074 36 ELEV 133 FT KWRI
PARTS A - F HOURS SUMMARIZED 0000 - 2300 LST

PERIOD OF RECORD:
HOURLY OBSERVATIONS: AUG 78 - JUL 87
SUMMARY OF DAY DATA: SEP 42 - MAR 46,
AUG 48 - JUL 87 DEC 16 1987

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FEDERAL BUILDING
ASHEVILLE, N.C. 28801 - 2723

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REPORT DOCUMENTATION PAGE

- 1a. Report Security Classification: UNCLASSIFIED
3. Distribution/Availability of Report: Approved for public release; Distribution unlimited.
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- 6a. Name of Performing Organization: USAFETAC/OL-A
- 6b. Office Symbol:
- 6c. Address: Federal Building, Asheville, NC 28801-2723.
- 11 Title: (RUSSWO) McGuire AFB NJ.
- 12 Personal Author(s):
- 13a Type of Report: Data Summary
- 13b Time Covered: Sep 42-Mar 46, Aug 48-Jul 87.
- 14 Date of Report: Dec 87
- 15 Page Count: 312
- 16 Supplementary Notation:
- 17 COSATI Codes: Field--04, Group--02
- 18 Subject Terms: *climatology; *weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); McGuire AFB NJ; Fort Dix NJ; USNJ724096.
- 19 Abstract: A six-part statistical data summary of surface weather observations for: McGuire AFB NJ. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.
- 20 Distribution/Availability of Abstract: Same as report.
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- 22b Telephone: (618)256-2625
- 22c Office Symbol: USAFETAC/LDD

DD FORM 1473 UNCLASSIFIED

REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-87/082 McGuire AFB NJ (RUSSWO) Dec 1987 is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER



WALTER S. BURGMANN
Scientific and Technical Information Program Manager

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STATION NAME: MCGUIRE AFB NJ

STATION NUMBER: 724096

CALL ID: KWRI

PERIOD OF RECORD:

HOURS SUMMARIZED: 0000-2300 LST

HOURLY OBSERVATIONS: AUG 77 - JUL 87

SUMMARY OF DAY DATA: SEP 42 - MAR 46, AUG 48 - JUL 87

TIME CONVERSION LST TO GMT: +5

DATE PRODUCED: 4 DEC 1987

OL-A/USAFETAC/MAC/AWS
ASHEVILLE NC 28801

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/10A.

DESCRIPTION OF SUMMARIES: PRECEEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0900, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

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PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (0 THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

| | | | | | | |
|---------------------------------|---|---------------------|-----------------------|------------------------|------------------|------------|
| STATION NO ON SUMMARY 724096 | STATION NAME MCGUIRE AFB N. J./WRIGHTSTOWN | LATITUDE N 40 01 | LONGITUDE W 074 36 | FIELD ELEV (FT) 133 | CALL SIGN WRI | WMO NUMBER |
|---------------------------------|---|---------------------|-----------------------|------------------------|------------------|------------|

STATION LOCATION AND INSTRUMENTATION HISTORY

| NUMBER OF LOCATION | GEOGRAPHICAL LOCATION & NAME | TYPE OF STATION | AT THIS LOCATION | | LATITUDE | LONGITUDE | ELEVATION ABOVE NSL | | OBS PER DAY |
|--------------------|------------------------------|-----------------|------------------|--------|----------|-----------|---------------------|-----------|-------------|
| | | | FROM | TO | | | FIELD (FT) | HT. BARD. | |
| 1 | Fort Dix New Jersey | AAF | Jul 42 | Mar 46 | N 40 02 | W 074 36 | 124 | 128 | 24 |
| 2 | McGuire AFB, New Jersey | AFB | Aug 48 | Jun 50 | No chge | No chge | No chge | No chge | 24 |
| 3 | No change | AFB | Jul 50 | Jun 55 | No chge | No chge | 120 | 127 | 24 |
| 4 | No change | AFB | Jul 55 | Apr 57 | N 40 01 | W 074 35 | 133 | 117 | 24 |
| 5 | No change | AFB | May 57 | Dec 70 | N 40 00 | W 074 36 | No chge | 148 | 24 |
| 6 | No change | AFB | Jan 71 | Nov 77 | N 40 01 | W 074 36 | 133 | 148 | 24 |
| 7 | No change | AFB | Dec 77 | Dec 83 | N 40 01 | W 074 36 | 133 | 148 | 24 |
| 8 | No Change | AFB | Jan 84 | Jul 87 | N 40 01 | W 074 36 | 133 | 148 | 24 |

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS. ADDITIONAL EQUIPMENT. OR REASON FOR CHANGE |
|--------------------|-------------------|---|---------------------|------------------|-----------------|---|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | |
| 1 | Jul 42- Feb 43 | Located 250 ft. N of E-W Rnwy. | Anemometer | N/A | 24 ft. | |
| 2 | Mar 43- Dec 44 | Located on NW wing of base operations bldg. | No chge | N/A | 45 ft. | |
| 3 | Jan 45- Mar 46 | No change. | Selsyn | ML-144B | 52 ft. | |
| 4 | Aug 48- Feb 56 | Located on roof over weather stn. | No chge | No chge | 50 ft. | |
| 5 | Mar 56- Feb 57 | Located 1500 ft. from SW end of Rnwy 06, 500 ft from center of Rnwy 06. | AN/GMQ-11 | RO-2 | 16 ft. | |

USAFETAC

FORM NOV 73

O-19 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|--------------------|-------------------|--|---------------------|------------------|------------------|---|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT. ABOVE GROUND | |
| 6 | Mar 57- Feb 58 | Located approx. 1 1/4 miles S of station inside of leg of triangle formed by Rnwy 06. | AN/GMQ-11 | RO-2 | 20 ft. | |
| 7 | Mar 58- May 61 | Located 500 ft. N and 1500 ft. from end of Rnwy 06. | No chge | No chge | 25 ft. | |
| 8 | Jun 61- Dec 61 | Located 500 ft from Rnwy 06, 1000 ft. SW from ILS Glide Slope Transmitter. | No chge | No chge | 15 ft. | |
| 9 | Jan 62- Feb 65 | 1. Located 500 ft. from Rnwy 06, 1000 ft. SW from ILS Glide Slope Transmitter. 2. Located 500 ft. S of Rnwy 24 centerline, 1000 ft. from approach end of Rnwy 24. | No chge | No chge | 15 ft. | |
| 10 | Mar 65- Sep 70 | 1. Rnwy 06 - 500 ft. from center, 500 Ft. from approach end. 2. Rnwy 24 - 500 ft. from center, 1000 ft. from approach end. | No chge | No chge | 13 ft. | |
| 11 | Oct 70- Dec 70 | 1. Rnwy 06 - 400 ft. from center, 400 ft. from the end. 2. Rnwy 24 - 400 ft. from center, 1400 ft. from end. | AN/GMQ-20 | RO-362 | No chge | |
| 12 | Jan 71- Nov 77 | 1. Same 2. Same | Same | Same | No chge | |
| 13 | Apr 80 | 1. Rnwy 06 - NW side of rnwy 350 Ft from center, 1000 Ft from end of rnwy. 2. Rnwy 24 - NW side of rnwy 350 ft from center, 1000 ft from end of rnwy. | Same | Same | No chge | |
| 14. | Dec 83 | 1. Same 2. Same | Same | Same | No chge | |

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WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS, AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JAN

| HOURS (LST) | TSTMS | RAIN L/OP DRIZZLE | FRZING RAIN L/OP DRIZZLE | SNOW L/OP SLEET | FAIL | % OBS WITH PRECIP | FOG | SMOKE L/OP HAZE | BLOWING SNOW | DUST L/OP SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | 6.7 | 1.0 | 7.2 | | 14.3 | 16.2 | 3.8 | 1.2 | | 20.4 | 930 |
| 03-05 | | 5.7 | 1.3 | 8.6 | | 15.2 | 16.6 | 2.7 | 1.8 | | 20.1 | 930 |
| 06-08 | | 6.7 | 1.0 | 8.0 | | 15.1 | 19.4 | 4.8 | 1.2 | | 24.0 | 930 |
| 09-11 | | 9.0 | .2 | 8.7 | | 17.4 | 18.5 | 11.2 | 1.5 | | 29.2 | 930 |
| 12-14 | | 7.0 | .2 | 9.7 | | 18.0 | 14.9 | 8.7 | .8 | | 23.6 | 930 |
| 15-17 | | 9.7 | .6 | 6.2 | | 15.9 | 16.2 | 9.1 | 1.1 | | 25.4 | 930 |
| 18-20 | .1 | 3.9 | .6 | 5.5 | | 14.4 | 15.9 | 5.5 | .4 | | 20.9 | 930 |
| 21-23 | .1 | 7.3 | 1.7 | 7.2 | | 15.6 | 15.8 | 4.4 | .8 | | 19.9 | 930 |
| TOTALS | .2 | 7.9 | .8 | 7.6 | | 15.7 | 16.7 | 6.3 | 1.1 | | 23.0 | 7440 |

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: FEB

| HOURS (LST) | TSTMS | RAIN L/OP DRIZZLE | FRZING RAIN L/OP DRIZZLE | SNOW L/OP SLEET | FAIL | % OBS WITH PRECIP | FOG | SMOKE L/OP HAZE | BLOWING SNOW | DUST L/OP SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | 7.6 | .5 | 3.3 | | 16.0 | 19.0 | 3.8 | .6 | | 22.9 | 846 |
| 03-05 | | 9.5 | .2 | 6.0 | | 15.1 | 21.2 | 3.1 | .9 | | 24.6 | 846 |
| 06-08 | | 8.6 | .1 | 5.2 | | 13.4 | 27.0 | 7.1 | 1.2 | | 33.2 | 846 |
| 09-11 | | 9.3 | | 5.9 | | 14.8 | 20.9 | 12.1 | 2.0 | | 33.3 | 846 |
| 12-14 | .1 | 7.6 | .4 | 5.6 | | 15.0 | 14.9 | 11.9 | 1.9 | | 27.4 | 846 |
| 15-17 | | 9.0 | .4 | 3.8 | | 12.6 | 13.0 | 12.6 | 1.2 | | 26.2 | 846 |
| 18-20 | .2 | 8.7 | .5 | 5.6 | .1 | 14.7 | 13.6 | 9.2 | .3 | | 23.0 | 846 |
| 21-23 | .1 | 3.0 | .2 | 6.3 | | 15.1 | 14.8 | 5.6 | .6 | | 20.4 | 845 |
| TOTALS | .1 | 8.7 | .3 | 5.6 | .1 | 14.6 | 19.1 | 8.2 | 1.1 | | 26.4 | 6767 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: MAR

| HOURS (LST) | TSTMS | RAIN L/OR DRIZZLE | FRZING RAIN L/OR DRIZZLE | SNOW L/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE L/OR HAZE | BLOWING SNOW | DUST L/OR SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|-------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | .3 | 12.2 | | 3.4 | | 15.4 | 14.1 | 3.5 | .2 | | 16.7 | 930 |
| 03-05 | .2 | 12.6 | | 4.3 | | 16.0 | 14.8 | 4.4 | .5 | | 18.8 | 930 |
| 06-08 | .2 | 12.6 | | 3.7 | | 15.7 | 20.0 | 9.7 | .2 | | 28.5 | 930 |
| 09-11 | .2 | 12.3 | .1 | 4.4 | | 15.5 | 13.8 | 8.6 | | | 21.4 | 930 |
| 12-14 | .2 | 13.5 | | 3.7 | | 16.6 | 11.4 | 8.0 | | | 18.9 | 930 |
| 15-17 | | 12.0 | | 3.8 | | 14.9 | 11.6 | 6.5 | .1 | | 18.0 | 930 |
| 18-20 | .4 | 10.3 | | 3.7 | | 13.1 | 10.1 | 5.3 | .1 | | 15.1 | 930 |
| 21-23 | .4 | 12.2 | | 4.1 | | 15.7 | 11.3 | 4.2 | .1 | | 14.7 | 930 |
| TOTALS | .2 | 12.2 | .0 | 3.9 | | 15.4 | 13.4 | 6.3 | .2 | | 19.0 | 7440 |

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: APR

| HOURS (LST) | TSTMS | RAIN L/OR DRIZZLE | FRZING RAIN L/OR DRIZZLE | SNOW L/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE L/OR HAZE | BLOWING SNOW | DUST L/OR SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|-------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | .8 | 15.4 | | 1.2 | | 16.2 | 20.8 | 4.8 | | | 24.4 | 900 |
| 03-05 | .1 | 13.4 | | 1.6 | | 14.8 | 25.4 | 4.9 | | | 28.8 | 900 |
| 06-08 | | 15.7 | | 1.3 | | 16.7 | 30.7 | 9.0 | | | 36.6 | 900 |
| 09-11 | | 12.3 | | 1.3 | | 14.7 | 17.1 | 7.9 | | | 23.6 | 900 |
| 12-14 | .6 | 13.9 | | 1.7 | | 15.2 | 11.3 | 8.0 | .2 | | 18.3 | 900 |
| 15-17 | .6 | 14.6 | | 1.1 | | 15.6 | 11.0 | 7.7 | | | 18.2 | 900 |
| 18-20 | .8 | 13.4 | | .8 | | 14.2 | 15.0 | 7.0 | .3 | | 21.3 | 900 |
| 21-23 | .6 | 15.4 | | .9 | | 16.0 | 17.4 | 4.9 | | | 21.2 | 900 |
| TOTALS | .5 | 14.4 | | 1.2 | | 15.4 | 18.6 | 6.4 | .1 | | 24.1 | 7200 |

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: MAY

| HOURS (LST) | TSTMS | RAIN E/OR DRIZZLE | FRZING RAIN E/OR DRIZZLE | SNOW E/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE E/OR HAZE | BLOWING SNOW | DUST E/OR SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | .8 | 13.2 | | | | 13.2 | 27.6 | 7.1 | | | 33.2 | 930 |
| 03-05 | .6 | 14.3 | | | | 14.3 | 37.5 | 9.0 | | | 42.4 | 930 |
| 06-08 | .2 | 13.5 | | | | 13.5 | 34.2 | 14.8 | | | 43.0 | 930 |
| 09-11 | .3 | 12.3 | | | | 12.3 | 17.3 | 16.9 | | | 33.9 | 930 |
| 12-14 | .2 | 11.6 | | | | 11.6 | 10.6 | 17.1 | | | 26.7 | 930 |
| 15-17 | 1.7 | 12.4 | | | | 12.4 | 8.9 | 16.2 | | | 24.9 | 930 |
| 18-20 | 2.7 | 13.0 | | | | 13.0 | 12.3 | 14.1 | | | 25.6 | 930 |
| 21-23 | 1.3 | 14.3 | | | | 14.3 | 19.1 | 11.5 | | | 29.5 | 930 |
| TOTALS | 1.3 | 13.1 | | | | 13.1 | 21.0 | 13.6 | | | 32.4 | 7440 |

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JUN

| HOURS (LST) | TSTMS | RAIN E/OR DRIZZLE | FRZING RAIN E/OR DRIZZLE | SNOW E/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE E/OR HAZE | BLOWING SNOW | DUST E/OR SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | 1.2 | 7.7 | | | | 7.7 | 24.2 | 19.2 | | | 39.9 | 900 |
| 03-05 | .7 | 7.0 | | | | 7.6 | 35.4 | 18.6 | | | 47.4 | 900 |
| 06-08 | .3 | 7.7 | | | | 7.7 | 29.8 | 22.7 | | | 45.9 | 900 |
| 09-11 | .2 | 7.7 | | | | 7.7 | 14.2 | 27.4 | | | 39.6 | 900 |
| 12-14 | .6 | 6.0 | | | | 6.0 | 6.4 | 28.7 | | | 34.2 | 900 |
| 15-17 | 2.7 | 9.2 | | | | 9.2 | 6.1 | 28.6 | | | 33.8 | 900 |
| 18-20 | 3.2 | 6.1 | | | | 6.1 | 10.4 | 26.7 | | | 34.3 | 900 |
| 21-23 | 2.2 | 10.2 | | | | 10.2 | 17.7 | 23.1 | | | 36.8 | 900 |
| TOTALS | 1.4 | 9.0 | | | | 9.0 | 18.0 | 24.4 | | | 39.1 | 7200 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUL

| HOOPS (LST) | FSIMS | RAIN G/OP DRIZZLE | FRZING RAIN G/OP DRIZZLE | SNOW G/OP SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE G/OP HAZE | BLOWING SNOW | DUST G/OP SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | 1.2 | 5.2 | | | | 5.2 | 31.6 | 29.9 | | | 22.2 | 930 |
| 03-05 | 1.4 | 5.6 | | | | 5.6 | 48.7 | 26.1 | | | 61.4 | 930 |
| 06-08 | .6 | 6.5 | | | | 6.5 | 42.3 | 32.4 | | | 60.8 | 930 |
| 09-11 | .4 | 5.4 | | | | 5.4 | 13.7 | 39.7 | | | 46.5 | 930 |
| 12-14 | 1.6 | 5.9 | | | | 5.9 | 3.9 | 46.8 | | | 43.7 | 930 |
| 15-17 | 3.7 | 7.0 | | | | 7.0 | 6.3 | 42.6 | | | 45.8 | 930 |
| 18-20 | 2.7 | 7.0 | | | | 7.0 | 8.0 | 41.2 | | | 55.9 | 926 |
| 21-23 | 1.9 | 5.8 | | | | 5.8 | 19.4 | 35.7 | | | 48.9 | 927 |
| TOTALS | 1.7 | 6.1 | | | | 6.1 | 21.5 | 36.1 | | | 50.9 | 7435 |

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: AUG

| HOOPS (LST) | FSIMS | RAIN G/OP DRIZZLE | FRZING RAIN G/OP DRIZZLE | SNOW G/OP SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE G/OP HAZE | BLOWING SNOW | DUST G/OP SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | 2.2 | 5.7 | | | | 5.7 | 34.6 | 30.0 | | | 53.7 | 930 |
| 03-05 | 1.2 | 5.4 | | | | 5.4 | 52.7 | 27.2 | | | 63.6 | 930 |
| 06-08 | .5 | 5.9 | | | | 5.9 | 51.3 | 34.1 | | | 65.9 | 930 |
| 09-11 | .2 | 5.2 | | | | 5.2 | 14.7 | 42.2 | | | 50.6 | 930 |
| 12-14 | .9 | 5.3 | | | | 5.3 | 5.8 | 44.9 | | | 46.7 | 930 |
| 15-17 | 2.9 | 5.9 | | | | 5.9 | 6.8 | 47.3 | | | 52.4 | 930 |
| 18-20 | 3.5 | 7.4 | | | | 7.4 | 10.0 | 41.7 | | | 48.9 | 930 |
| 21-23 | 1.0 | 7.0 | | | | 7.0 | 31.4 | 36.3 | | | 50.2 | 930 |
| TOTALS | 1.4 | 5.3 | | | | 6.3 | 24.7 | 38.0 | | | 54.3 | 7440 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: SEP

| HOURS (LST) | TSTMS | RAIN L/OR DRIZZLE | FRZING RAIN L/OR DRIZZLE | SNOW L/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE L/OR HAZE | BLOWING SNOW | DUST L/OR SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|-------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | .8 | 9.7 | | | | 9.7 | 30.0 | 14.1 | | | 38.8 | 900 |
| 03-05 | .1 | 9.1 | | | | 9.1 | 39.6 | 14.2 | | | 46.1 | 900 |
| 06-08 | .3 | 7.4 | | | | 7.4 | 45.9 | 19.9 | | | 54.6 | 900 |
| 09-11 | | 6.7 | | | | 6.7 | 15.6 | 26.4 | | | 40.4 | 900 |
| 12-14 | .4 | 6.3 | | | | 6.3 | 6.4 | 29.2 | | | 33.7 | 900 |
| 15-17 | .7 | 6.2 | | | | 6.2 | 6.3 | 29.9 | | | 35.0 | 900 |
| 18-20 | 1.6 | 8.4 | | | | 8.4 | 11.9 | 25.8 | | | 34.8 | 900 |
| 21-23 | 1.0 | 9.4 | | | | 9.4 | 22.3 | 20.1 | | | 37.3 | 900 |
| TOTALS | .6 | 7.9 | | | | 7.9 | 22.3 | 22.7 | | | 40.1 | 7200 |

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: OCT

| HOURS (LST) | TSTMS | RAIN L/OR DRIZZLE | FRZING RAIN L/OR DRIZZLE | SNOW L/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE L/OR HAZE | BLOWING SNOW | DUST L/OR SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|-------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | .2 | 9.7 | | | | 9.7 | 26.6 | 6.8 | | | 29.8 | 930 |
| 03-05 | | 10.4 | | | | 10.4 | 33.2 | 5.9 | | | 36.3 | 930 |
| 06-08 | .2 | 10.3 | | .1 | | 10.3 | 42.0 | 12.0 | | | 46.8 | 930 |
| 09-11 | | 9.2 | | .3 | | 9.5 | 18.4 | 20.3 | | | 35.7 | 930 |
| 12-14 | .1 | 9.5 | | .3 | | 9.5 | 8.7 | 16.0 | | | 24.3 | 930 |
| 15-17 | | 7.6 | | .1 | | 7.8 | 8.8 | 15.9 | | | 24.5 | 930 |
| 18-20 | .3 | 6.7 | | | | 6.7 | 14.0 | 11.7 | | | 23.7 | 930 |
| 21-23 | .5 | 9.6 | | | | 9.0 | 19.2 | 7.8 | | | 23.5 | 930 |
| TOTALS | .2 | 9.3 | | .1 | | 7.4 | 21.4 | 12.1 | | | 20.6 | 7440 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: NOV

| HOURS (LST) | TSTMS | RAIN E/OP DRIZZLE | FRZING RAIN E/OP URIZZLE | SNOW E/OP SLEET | FAIL | % OBS WITH PRECIP | FOG | SMOKE E/OP HAZE | BLOWING SNOW | DUST E/OP SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 07-02 | | 15.2 | | .1 | | 15.3 | 25.7 | 3.1 | | | 18.3 | 900 |
| 03-05 | .1 | 16.0 | | .1 | | 16.1 | 29.2 | 4.1 | | | 31.8 | 900 |
| 06-08 | .1 | 12.7 | | .3 | | 13.0 | 35.6 | 6.3 | | | 39.6 | 900 |
| 09-11 | | 12.9 | | .9 | | 13.3 | 24.7 | 13.7 | | | 35.8 | 900 |
| 12-14 | | 11.2 | | .4 | | 11.6 | 13.8 | 14.2 | | | 26.0 | 900 |
| 15-17 | .2 | 14.3 | | | | 14.3 | 14.6 | 14.7 | | | 27.9 | 900 |
| 18-20 | | 13.4 | | .2 | | 13.6 | 17.3 | 8.3 | | | 24.6 | 900 |
| 21-23 | .2 | 15.0 | | .3 | | 15.3 | 22.2 | 5.0 | | | 25.9 | 900 |
| TOTALS | .1 | 13.8 | | .3 | | 14.1 | 22.9 | 8.7 | | | 30.0 | 7200 |

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: DEC

| HOURS (LST) | TSTMS | RAIN E/OP DRIZZLE | FRZING RAIN E/OP URIZZLE | SNOW E/OP SLEET | FAIL | % OBS WITH PRECIP | FOG | SMOKE E/OP HAZE | BLOWING SNOW | DUST E/OP SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | .1 | 11.2 | | 2.8 | | 13.4 | 20.2 | 4.0 | .3 | | 13.0 | 930 |
| 03-05 | | 11.5 | .1 | 2.6 | | 14.1 | 22.8 | 3.8 | .4 | | 15.3 | 930 |
| 06-08 | | 11.0 | .6 | 2.7 | | 14.1 | 26.1 | 5.5 | .9 | | 32.0 | 930 |
| 09-11 | .1 | 12.4 | .3 | 3.2 | | 14.6 | 21.3 | 10.8 | .5 | | 30.8 | 930 |
| 12-14 | | 11.6 | | 2.0 | | 13.6 | 13.1 | 4.6 | .1 | | 21.4 | 930 |
| 15-17 | | 12.9 | | 1.4 | | 13.8 | 14.2 | 6.5 | | | 20.5 | 930 |
| 18-20 | | 11.7 | | 2.2 | | 13.7 | 17.7 | 3.4 | | | 20.2 | 930 |
| 21-23 | | 12.5 | .2 | 3.0 | | 15.3 | 18.2 | 3.3 | | | 21.0 | 930 |
| TOTALS | .1 | 11.7 | .2 | 2.5 | | 14.1 | 19.5 | 5.7 | .3 | | 24.3 | 7440 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87
 MONTH: ALL

| HOURS (LST) | TSTMS | RAIN | FRZING | SNOW | FAIL | % OBS | FOG | SMOKE | BLOWING | DUST | % OBS | TOTAL |
|----------------|-------|-----------------|-------------------------|---------------|------|----------------|------|--------------|---------|--------------|------------------------|-------|
| | | L/DR DRIZZLE | RAIN &/OR DRIZZLE | L/DR SLEET | | WITH PRECIP | | L/DR HAZE | | L/DR SNOW | W/OBST TO VISION | |
| JAN ALL | .0 | 7.9 | .8 | 7.6 | .0 | 15.7 | 16.7 | 6.3 | 1.1 | | 23.0 | 7440 |
| FEB | .1 | 9.9 | .3 | 5.8 | .0 | 14.6 | 18.0 | 8.2 | 1.1 | | 26.4 | 6767 |
| MAR | .2 | 12.2 | .0 | 3.9 | | 15.4 | 13.4 | 6.3 | .2 | | 19.0 | 7440 |
| APR | .4 | 14.4 | | 1.2 | | 15.4 | 18.6 | 6.8 | .1 | | 24.1 | 7200 |
| MAY | 1.0 | 13.1 | | | | 13.1 | 21.1 | 13.6 | | | 22.4 | 7440 |
| JUN | 1.4 | 9.0 | | | | 8.0 | 18.0 | 24.4 | | | 39.1 | 7200 |
| JUL | 1.7 | 6.1 | | | | 6.1 | 21.5 | 26.1 | | | 50.9 | 7435 |
| AUG | 1.8 | 6.3 | | | | 6.3 | 24.7 | 28.0 | | | 54.3 | 7440 |
| SEP | .6 | 7.9 | | | | 7.9 | 22.3 | 22.7 | | | 40.1 | 7200 |
| OCT | .2 | 9.3 | | .1 | | 9.4 | 21.4 | 12.1 | | | 30.6 | 7440 |
| NOV | .1 | 13.0 | | .3 | | 14.1 | 22.9 | 8.7 | | | 30.0 | 7200 |
| DEC | .0 | 11.7 | .2 | 2.5 | | 14.1 | 19.5 | 5.7 | .3 | | 24.3 | 7440 |
| TOTALS | .6 | 10.0 | .1 | 1.8 | .0 | 11.7 | 19.8 | 15.7 | .2 | | 32.9 | 87642 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 49-87
 MONTH: ALL

| MONTH | ISMS | RAIN | FRZING | SNOW | HAIL | % OBS | FOG | SMOKE | FLOWING | DUST | % OBS | TOTAL |
|--------|------|-----------------|-------------------------|---------------|------|----------------|------|--------------|---------|------------------------|-------|-------|
| | | L/OR DRIZZLE | HAIL L/OR DRIZZLE | L/OR SLEET | | W/IF PRECIP | | L/OR HAZE | | W/CSST TO VISION | OBS | |
| JAN | .8 | 35.3 | 5.3 | 30.0 | .2 | 53.3 | 42.1 | 41.8 | 4.2 | | 61.1 | 1209 |
| FEB | 1.3 | 34.5 | 2.8 | 27.2 | .1 | 50.4 | 43.6 | 40.6 | 4.2 | | 59.1 | 1101 |
| MAR | 3.6 | 43.9 | .7 | 19.9 | .2 | 53.9 | 43.6 | 75.7 | 2.2 | | 55.8 | 1209 |
| APP | 8.1 | 52.0 | .3 | 4.6 | .2 | 53.7 | 45.6 | 78.5 | .2 | | 56.4 | 1170 |
| MAY | 13.5 | 51.3 | | .2 | .2 | 51.3 | 54.3 | 48.7 | | .1 | 66.2 | 1209 |
| JUN | 18.2 | 45.8 | | | .9 | 45.8 | 58.4 | 61.5 | | | 73.2 | 1170 |
| JUL | 22.2 | 43.5 | | | .3 | 43.5 | 64.3 | 71.7 | | .1 | 79.4 | 1209 |
| AUG | 18.8 | 43.1 | | | .3 | 43.1 | 69.7 | 75.9 | | | 61.2 | 1178 |
| SEP | 9.3 | 78.5 | | | .1 | 78.5 | 62.4 | 60.1 | | | 71.9 | 1139 |
| OCT | 3.3 | 30.2 | | .8 | | 70.6 | 56.1 | 51.4 | | .1 | 66.3 | 1178 |
| NOV | 7.0 | 41.0 | | 6.0 | .1 | 44.4 | 47.8 | 43.4 | .1 | | 61.3 | 1140 |
| DEC | .2 | 79.7 | 2.9 | 20.5 | | 50.3 | 45.5 | 70.8 | 1.4 | .1 | 59.8 | 1178 |
| TOTALS | 1.4 | 42.0 | 1.0 | 9.1 | .2 | 46.8 | 52.7 | 50.5 | 1.0 | .0 | 66.0 | 14090 |

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PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .058 WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION: ".00" EQUALS NONE FOR THE MONTH (HUNDREDTHS)

EXTREME DAILY SNOWFALL: ".0" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: "0" EQUALS NONE FOR THE MONTH (POLE INCHES)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

AMOUNTS IN INCHES

| MONTH | NONE | TRACE | .01 | .02 | | .05 | | .11 | | .26 | | .51 | | 1.01 | | 2.51 | | 5.01 | | 10.01 | | OVER 27.00 | % DAYS WITH MEAS AMTS | TOTAL OBS | MONTHLY AMOUNTS | | |
|-------|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|------|----|------|----|------|----|-------|----------|---------------|--------------------------------|--------------|-----------------|-----|--|
| | | | | TO | TO | TO | TO | TO | TO | TO | TO | TO | TO | TO | TO | TO | TO | TO | TO | MEAN | GREATEST | | | | LEA | | |
| JAN | 50.3 | 15.5 | 2.4 | 7.4 | 4.1 | 7.5 | 6.5 | 4.7 | 1.7 | | | | | | | | | | | | | 74.2 | 1333 | 3.14 | 9.19 | .3 | |
| FEB | 49.9 | 16.3 | 2.4 | 6.7 | 4.1 | 7.2 | 6.4 | 4.9 | 1.6 | | | | | | | | | | | | | 33.3 | 1214 | 2.85 | 5.73 | .7 | |
| MAR | 46.2 | 18.5 | 2.9 | 5.1 | 4.4 | 7.9 | 6.1 | 5.5 | 2.6 | | | | | | | | | | | | | 35.3 | 1332 | 2.87 | 7.50 | 1.1 | |
| APR | 46.4 | 17.5 | 3.0 | 7.1 | 4.9 | 6.2 | 6.1 | 5.3 | 2.4 | .7 | | | | | | | | | | | | 36.0 | 1260 | 2.74 | 8.19 | .7 | |
| MAY | 48.8 | 14.4 | 3.1 | 7.7 | 4.7 | 8.8 | 5.4 | 4.5 | 2.5 | .7 | | | | | | | | | | | | 36.7 | 1302 | 2.48 | 9.17 | .2 | |
| JUN | 54.2 | 13.3 | 3.0 | 6.6 | 5.1 | 6.3 | 5.6 | 4.8 | 2.9 | .2 | | | | | | | | | | | | 32.4 | 1259 | 2.63 | 8.34 | .0 | |
| JUL | 56.5 | 13.4 | 2.4 | 6.0 | 3.1 | 6.2 | 4.4 | 3.6 | 4.1 | .8 | | | | | | | | | | | | 30.6 | 1302 | 4.41 | 10.16 | .7 | |
| AUG | 57.6 | 13.7 | 3.1 | 4.2 | 2.7 | 5.2 | 4.6 | 4.8 | 2.9 | .7 | .2 | | | | | | | | | | | 28.7 | 1293 | 4.67 | 15.01 | .7 | |
| SEP | 60.5 | 12.1 | 1.6 | 4.6 | 3.7 | 5.6 | 4.0 | 4.2 | 2.4 | .5 | | | | | | | | | | | | 27.0 | 1249 | 2.57 | 9.35 | .8 | |
| OCT | 63.7 | 12.0 | 2.1 | 4.6 | 2.8 | 4.4 | 4.1 | 3.5 | 2.7 | .8 | | | | | | | | | | | | 24.5 | 1333 | 2.15 | 6.85 | .0 | |
| NOV | 54.7 | 12.1 | 1.9 | 6.9 | 3.5 | 6.8 | 5.3 | 5.8 | 2.6 | .7 | | | | | | | | | | | | 33.2 | 1286 | 2.69 | 8.83 | .2 | |
| DEC | 50.3 | 16.4 | 2.6 | 6.4 | 3.7 | 7.6 | 5.5 | 5.0 | 3.2 | .1 | | | | | | | | | | | | 33.3 | 1333 | 2.69 | 7.58 | .1 | |
| ANN | 53.2 | 14.5 | 2.5 | 5.1 | 3.6 | 6.6 | 5.3 | 4.9 | 2.7 | .3 | .2 | | | | | | | | | | | 32.1 | 15576 | 41.89 | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

| YEAR | 24 HOUR AMOUNTS IN INCHES | | | | | | | | | | | | ALL MONTHS |
|------|---------------------------|------|-------|------|------|---------------|------|-------|------|------|-------|------|------------|
| | JAN | FEB | MAR | APR | MAY | -M-O-N-T-H-S- | | AUG | SEP | OCT | NOV | DEC | |
| 42 | | | | | | | | | .94 | 1.14 | 1.19 | 1.20 | |
| 43 | 1.31 | .56 | 1.27 | 1.22 | .97 | 1.68 | 4.65 | .36 | 1.21 | 1.58 | .70 | 1.31 | 4.65 |
| 44 | .98 | .28 | 1.61 | 1.64 | .35 | 1.32 | .45 | 2.95 | 4.18 | 1.57 | 2.59 | .63 | 4.18 |
| 45 | .77 | .54 | .85 | .55 | .84 | 1.27 | 2.33 | .73 | 1.01 | .73 | 2.24 | 1.54 | 2.33 |
| 46 | .47 | .77 | 1.08 | | | | | | | | | | |
| 48 | | | | | | | | *1.26 | .63 | .75 | .85 | 1.97 | |
| 49 | 1.13 | 1.99 | 1.00 | .77 | .91 | .65 | 1.02 | 2.08 | .97 | .63 | .64 | .38 | 2.08 |
| 50 | .67 | .45 | 1.07 | .70 | .85 | .61 | 2.03 | 1.35 | 1.12 | 2.04 | 2.43 | .70 | 2.43 |
| 51 | .70 | 1.15 | 1.61 | .76 | 1.25 | 1.28 | .42 | .65 | .37 | 2.00 | 1.15 | 1.23 | 2.00 |
| 52 | .58 | 1.01 | 1.62 | 2.59 | 1.59 | 1.66 | 2.77 | 2.18 | 2.23 | .63 | 1.05 | 1.07 | 2.77 |
| 53 | .91 | 1.62 | 1.93 | .61 | 1.15 | 1.11 | 1.65 | 2.01 | .75 | 1.63 | .90 | 1.36 | 2.01 |
| 54 | .59 | .65 | .89 | 1.74 | 1.29 | .32 | .68 | 2.43 | 2.86 | .86 | 1.96 | 1.01 | 2.86 |
| 55 | .21 | .79 | 1.56 | .73 | .70 | .95 | .45 | 2.77 | .71 | 3.21 | .59 | .12 | 3.21 |
| 56 | .71 | 1.61 | 1.26 | 1.29 | .74 | .73 | 4.15 | 1.31 | 2.29 | 1.76 | 1.20 | 1.78 | 4.15 |
| 57 | .23 | .60 | 1.04 | 1.02 | .36 | .63 | 1.76 | .74 | .85 | 1.42 | .88 | 2.50 | 2.50 |
| 58 | 1.94 | 2.41 | 2.25 | 1.34 | 1.10 | .81 | 2.56 | 3.11 | 1.40 | 1.71 | 1.32 | .89 | 3.11 |
| 59 | .58 | .84 | 1.58 | .87 | 1.26 | 2.24 | 1.59 | 1.56 | 1.10 | .89 | 1.06 | 1.06 | 2.24 |
| 60 | .84 | 1.30 | .44 | .59 | 1.17 | .89 | 3.87 | .93 | 3.17 | 1.00 | .71 | .75 | 3.87 |
| 61 | .66 | .64 | 1.23 | 1.57 | 1.21 | .62 | 1.42 | 1.08 | 1.20 | 1.36 | .56 | .79 | 1.57 |
| 62 | 1.26 | .57 | 1.06 | 1.17 | .96 | 1.90 | 1.70 | 3.58 | 1.79 | .48 | 1.73 | .96 | 3.58 |
| 63 | .48 | .90 | .24 | .83 | 1.02 | .45 | .59 | .99 | 1.77 | .07 | *1.23 | 1.06 | 1.77 |
| 64 | .80 | .44 | .36 | .97 | .10 | .83 | 2.23 | .32 | 1.17 | .96 | .89 | 1.51 | 2.23 |
| 65 | 1.44 | .73 | .69 | .56 | .37 | .54 | 2.58 | .68 | .61 | .53 | .45 | 1.04 | 2.58 |
| 66 | .74 | 2.14 | .44 | .85 | 1.29 | .77 | 1.65 | .51 | 3.70 | 3.01 | .90 | .96 | 3.70 |
| 67 | .71 | .61 | 1.23 | 1.27 | 1.52 | 1.33 | 1.32 | 2.37 | .64 | .72 | .70 | 1.97 | 2.30 |
| 68 | 2.19 | .71 | *1.94 | 1.26 | 2.75 | 3.45 | 1.99 | .94 | .60 | 1.39 | 2.13 | 1.31 | 3.45 |
| 69 | .70 | .66 | .78 | .77 | 1.04 | 1.22 | 1.93 | .56 | 3.27 | .58 | .75 | 1.54 | 3.27 |
| 70 | .50 | .62 | .10 | 2.00 | .86 | 1.88 | 1.13 | 3.18 | .67 | 1.10 | .97 | .71 | 3.18 |
| 71 | .63 | 1.43 | .78 | 1.32 | 1.86 | *1.17 | 1.07 | 9.61 | 1.68 | 1.80 | 1.63 | 1.34 | 9.61 |
| 72 | .75 | 1.10 | .73 | .60 | 1.65 | 1.80 | 1.83 | 1.90 | .73 | 2.33 | 3.40 | .82 | 3.40 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

| YEAR | 24 HOUR AMOUNTS IN INCHES | | | | | | | | | | | | ALL MONTHS |
|-----------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 73 | 1.27 | 1.54 | 1.60 | 1.05 | .83 | 1.06 | 1.57 | 1.26 | 1.36 | 2.77 | .47 | 2.66 | 2.77 |
| 74 | .85 | .38 | 1.47 | 1.04 | .62 | .97 | 1.00 | 3.29 | 1.46 | 1.49 | .74 | 2.41 | 3.29 |
| 75 | 1.14 | .84 | .92 | 1.20 | 1.18 | 2.33 | 1.73 | 1.19 | 2.11 | 2.51 | .83 | .91 | 2.51 |
| 76 | 1.62 | .91 | .48 | .74 | .97 | 4.06 | .23 | 2.22 | .77 | 3.32 | .15 | 1.56 | 4.06 |
| 77 | 1.38 | 1.60 | 1.98 | .82 | .48 | 1.45 | 1.50 | 2.00 | 1.43 | 1.67 | 2.98 | 1.35 | 2.98 |
| 78 | 1.39 | 1.81 | 1.66 | .78 | 2.91 | .67 | 2.79 | 7.39 | .62 | .44 | .57 | 1.87 | 7.39 |
| 79 | 2.23 | 1.23 | 2.16 | .93 | 1.11 | 1.22 | 1.38 | 2.29 | 1.83 | 1.21 | 1.15 | .63 | 2.29 |
| 80 | .77 | .51 | 1.33 | 2.10 | .52 | .87 | 1.43 | 1.33 | 1.15 | 2.28 | 1.45 | .30 | 2.28 |
| 81 | .18 | 1.29 | .57 | .89 | 1.55 | 2.01 | 1.71 | 4.39 | 1.17 | .79 | .50 | 1.10 | 4.39 |
| 82 | 1.61 | .95 | .74 | 1.04 | 2.84 | 2.31 | 3.13 | .50 | .71 | 1.24 | 1.20 | .72 | 3.13 |
| 83 | 1.46 | 1.39 | 1.46 | 2.20 | 1.57 | 1.88 | .55 | 1.11 | 1.62 | .96 | 2.15 | 1.44 | 2.26 |
| 84 | .38 | 1.55 | 1.11 | 1.90 | 2.27 | 3.02 | 1.01 | 1.13 | .88 | .82 | 1.01 | .56 | 3.02 |
| 85 | .38 | .97 | .53 | .39 | 1.75 | .67 | 1.33 | .87 | *2.98 | 1.12 | 1.77 | .39 | *2.98 |
| 86 | 2.22 | .98 | .96 | 3.65 | .43 | .81 | 2.05 | 1.13 | 1.24 | .62 | 1.15 | 1.29 | 3.65 |
| 87 | 1.26 | .80 | .92 | 2.31 | 1.03 | 1.74 | 1.73 | | | | | | |
| PLAN | .967 | 1.023 | 1.211 | 1.227 | 1.173 | 1.358 | 1.761 | 1.973 | 1.424 | 1.375 | 1.230 | 1.184 | 3.090 |
| S.D. | .537 | .501 | .543 | .658 | .648 | .837 | 1.001 | 1.807 | .997 | .784 | .731 | .571 | 1.050 |
| TOTAL OBS | 1733 | 1214 | 1332 | 1260 | 1302 | 1759 | 1702 | 1293 | 1789 | 1333 | 1286 | 1233 | 15536 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

CLIMATE CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 704396 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

| YEAR | TOTAL MONTHLY PRECIPITATION IN INCHES | | | | | | | | | | | | ALL MONTHS |
|------|---------------------------------------|------|-------|------|------|-------|-------|-------|------|------|-------|------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 42 | | | | | | | | | 2.01 | 3.74 | 4.22 | 2.83 | |
| 43 | 2.77 | 1.77 | 2.61 | 2.50 | 3.96 | 4.37 | 7.23 | 1.25 | 2.42 | 6.47 | 2.36 | 1.44 | 38.79 |
| 44 | 2.99 | 1.22 | 5.18 | 6.09 | 1.21 | 4.54 | .96 | 3.73 | 9.35 | 2.48 | 6.99 | 2.55 | 47.33 |
| 45 | 2.76 | 3.23 | 2.21 | 2.35 | 2.92 | 4.69 | 9.17 | 2.76 | 3.16 | 2.17 | 5.55 | 5.19 | 45.46 |
| 46 | 1.65 | 2.10 | 2.98 | | | | | | | | | | |
| 48 | | | | | | | | *3.16 | 1.29 | 1.80 | 3.93 | 6.34 | |
| 49 | 5.35 | 5.11 | 2.20 | 3.30 | 3.14 | .05 | 2.71 | 3.63 | 2.76 | 1.98 | 1.29 | 2.07 | 34.12 |
| 50 | 1.87 | 1.74 | 3.81 | 2.16 | 2.84 | 1.67 | 3.09 | 4.43 | 2.07 | 2.95 | 3.31 | 2.64 | 33.38 |
| 51 | 2.97 | 2.79 | 4.17 | 2.53 | 5.04 | 4.00 | .93 | 1.06 | .82 | 3.84 | 4.96 | 5.29 | 38.45 |
| 52 | 4.25 | 2.74 | 5.33 | 6.54 | 4.34 | 2.61 | 5.55 | 7.59 | 2.98 | .66 | 2.17 | 3.61 | 47.41 |
| 53 | 4.30 | 2.21 | 6.32 | 5.10 | 4.79 | 2.05 | 3.22 | 4.82 | 1.43 | 3.93 | 2.92 | 3.57 | 44.26 |
| 54 | 1.64 | 1.55 | 4.20 | 5.07 | 4.39 | .61 | 1.29 | 6.03 | 5.25 | 2.65 | 4.96 | 3.55 | 41.39 |
| 55 | .45 | 2.43 | 4.71 | 2.39 | 1.72 | 3.53 | .71 | 9.88 | 2.43 | 6.40 | 1.27 | .16 | 36.26 |
| 56 | 2.95 | 5.17 | 5.00 | 3.09 | 2.49 | 2.28 | 10.16 | 3.59 | 4.67 | 5.33 | 2.85 | 4.96 | 53.29 |
| 57 | 1.19 | 2.66 | 4.38 | 4.95 | .99 | 1.92 | 4.02 | .94 | 2.95 | 2.25 | 4.32 | 7.15 | 37.74 |
| 58 | 5.24 | 5.72 | 5.57 | 5.37 | 4.45 | 3.19 | 8.26 | 10.72 | 3.51 | 6.21 | 2.97 | 1.59 | 67.80 |
| 59 | 2.49 | 1.40 | 5.44 | 2.65 | 1.94 | 3.83 | 7.03 | 5.14 | 2.04 | 2.56 | 3.82 | 4.17 | 42.97 |
| 60 | 3.08 | 5.11 | 1.67 | 2.06 | 3.74 | 2.30 | 7.24 | 3.92 | 7.04 | 1.95 | 2.06 | 2.92 | 43.33 |
| 61 | 3.16 | 3.72 | 5.24 | 3.65 | 2.84 | 4.15 | 4.77 | 3.71 | 2.86 | 2.85 | 1.84 | 2.82 | 40.95 |
| 62 | 2.35 | 2.72 | 3.96 | 3.42 | 1.57 | 5.22 | 3.11 | 8.21 | 3.77 | 1.96 | 5.89 | 2.40 | 44.76 |
| 63 | 2.15 | 2.11 | 3.38 | 1.17 | 1.89 | 1.15 | 1.45 | 2.47 | 5.29 | .08 | *4.61 | 1.94 | *27.73 |
| 64 | 3.52 | 2.69 | 1.14 | 5.44 | .23 | 1.55 | 4.15 | .78 | 3.07 | 2.00 | 1.58 | 4.79 | 30.94 |
| 65 | 2.87 | 2.77 | 3.73 | 2.42 | 1.12 | 1.74 | 5.15 | 2.10 | 1.57 | 1.28 | 1.23 | 1.79 | 27.23 |
| 66 | 2.64 | 4.74 | 1.27 | 3.00 | 4.28 | 1.61 | 2.92 | 1.55 | 8.54 | 4.91 | 2.18 | 3.08 | 40.30 |
| 67 | 1.26 | 2.44 | 5.08 | 2.55 | 4.01 | 2.23 | 5.80 | 9.23 | 2.69 | 1.83 | 1.40 | 6.54 | 45.64 |
| 68 | 3.24 | .73 | *5.57 | 1.74 | 5.83 | 5.95 | 5.34 | 2.17 | .50 | 2.65 | 5.75 | 2.92 | *42.89 |
| 69 | 2.31 | 1.16 | 2.57 | 2.57 | 2.12 | 4.86 | 8.41 | 2.29 | 4.25 | 2.11 | 3.03 | 7.54 | 44.26 |
| 70 | 1.81 | 3.51 | 4.56 | 6.25 | 3.12 | 5.19 | 3.43 | 5.12 | 1.46 | 1.87 | 4.48 | 2.42 | 42.77 |
| 71 | 2.21 | 4.74 | 3.12 | 2.37 | 4.25 | *2.35 | 3.74 | 15.01 | 5.71 | 3.83 | 5.13 | 2.20 | *54.86 |
| 72 | 3.11 | 4.77 | 3.17 | 3.09 | 5.75 | 5.57 | 3.09 | 2.56 | 2.62 | 6.85 | 8.83 | 5.22 | 54.63 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
 WSAFL/AC
 AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 774096 STATION NAME: MCGLIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

| YEAR | TOTAL MONTHLY PRECIPITATION IN INCHES | | | | | | | | | | | | ALL MONTHS |
|-----------|---------------------------------------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|-------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | -M-O-N-T-H-S- | | AUG | SEP | OCT | NOV | DEC | |
| 73 | 3.51 | 2.98 | 4.23 | 6.24 | 3.73 | 4.53 | 3.89 | 2.13 | 4.90 | 3.37 | 1.18 | 7.56 | 47.95 |
| 74 | 2.88 | 1.93 | 3.14 | 2.86 | 3.02 | 3.24 | 1.58 | 7.16 | 5.37 | 2.71 | 1.30 | 6.21 | 43.20 |
| 75 | 5.35 | 2.95 | 3.53 | 3.88 | 4.32 | 8.34 | 6.37 | 2.42 | 8.01 | 5.19 | 2.88 | 2.74 | 56.08 |
| 76 | 4.24 | 2.29 | 1.56 | 1.27 | 2.53 | 5.51 | 1.29 | 4.12 | 1.66 | 6.76 | .24 | 2.50 | 33.97 |
| 77 | 2.57 | 1.92 | 3.91 | 3.43 | 1.10 | 3.42 | 2.52 | 9.30 | 4.66 | 4.17 | 8.60 | 6.14 | 51.62 |
| 78 | 7.75 | 2.72 | 3.83 | 1.85 | 6.49 | 4.02 | 5.61 | 13.26 | 1.60 | 1.25 | 2.38 | 5.55 | 56.31 |
| 79 | 9.19 | 5.19 | 4.15 | 3.04 | 4.93 | 4.79 | 3.16 | 6.99 | 5.62 | 3.28 | 4.14 | 2.20 | 56.67 |
| 80 | 2.35 | .99 | 7.22 | 4.67 | 2.32 | 2.33 | 2.82 | 2.16 | 2.52 | 3.71 | 3.67 | .78 | 35.47 |
| 81 | .31 | 4.68 | 1.30 | 4.44 | 4.05 | 4.98 | 2.69 | 5.96 | 3.01 | 3.65 | 1.61 | 4.14 | 40.82 |
| 82 | 4.46 | 1.97 | 2.37 | 5.21 | 4.37 | 6.21 | 4.57 | 2.04 | 3.11 | 1.58 | 3.29 | 1.99 | 41.17 |
| 83 | 2.83 | 2.66 | 7.50 | 9.19 | 6.67 | 5.02 | 1.43 | 3.18 | 3.73 | 4.02 | 7.84 | 6.41 | 59.48 |
| 84 | 1.80 | 3.91 | 7.37 | 5.57 | 9.17 | 5.66 | 5.02 | 1.75 | 2.28 | 3.24 | 2.96 | 2.45 | 51.08 |
| 85 | 1.25 | 2.46 | 2.11 | .74 | 3.97 | 2.97 | 4.90 | 3.25 | *4.64 | 1.59 | 7.24 | .99 | *36.11 |
| 86 | 4.21 | 2.34 | 2.05 | 6.34 | .68 | 1.30 | 7.66 | 3.14 | 4.07 | 1.80 | 5.97 | 5.36 | 45.42 |
| 87 | 5.35 | 1.64 | 2.61 | 5.69 | 3.83 | 5.56 | 8.55 | | | | | | |
| MEAN | 3.140 | 2.952 | 3.865 | 3.742 | 3.480 | 3.630 | 4.414 | 4.670 | 3.567 | 3.154 | 3.690 | 3.692 | 44.263 |
| S.D. | 1.764 | 1.274 | 1.652 | 1.748 | 1.811 | 1.788 | 2.482 | 3.404 | 2.740 | 1.681 | 2.138 | 1.556 | 8.242 |
| TOTAL OBS | 133 | 1714 | 1332 | 1260 | 1302 | 1259 | 1302 | 1293 | 1789 | 1333 | 1286 | 1333 | 15536 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
ATP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 46, 46-87

| MONTH | AMOUNTS IN INCHES | | | | | | | | | | | | | OVER | % DAYS WITH MEAS AMTS | TOTAL OBS | MONTHLY AMOUNTS | | |
|-------|-------------------|-------|------------|------------|------------|------------|------------|------------|-------------|--------------|--------------|--------------|------|------|-----------------------|-----------|-----------------|-------|--|
| | NONE | TRACE | 0.1 TO 0.4 | 0.5 TO 1.4 | 1.5 TO 2.4 | 2.5 TO 3.4 | 3.5 TO 4.4 | 4.5 TO 5.4 | 6.5 TO 10.4 | 10.5 TO 15.4 | 15.5 TO 25.4 | 25.5 TO 50.4 | MEAN | | | | GREATEST | LEA | |
| JAN | 70.4 | 17.7 | 3.7 | 3.4 | 2.8 | .8 | .7 | .6 | .5 | .1 | | | | 12.6 | 1240 | 6.7 | 18.4 | TRACE | |
| FEB | 72.9 | 14.9 | 3.7 | 3.8 | 1.2 | 1.7 | .8 | .4 | .4 | .3 | .1 | | | 12.2 | 1128 | 7.0 | 27.2 | TRACE | |
| MAR | 30.5 | 12.1 | 2.3 | 2.2 | 1.3 | .2 | .2 | .6 | .3 | | .1 | | | 7.3 | 1239 | 4.3 | 26.8 | .0 | |
| APR | 95.6 | 3.5 | .2 | .4 | .1 | .1 | .1 | .1 | | | | | | .9 | 1170 | .5 | 9.4 | .0 | |
| MAY | 99.8 | .2 | | | | | | | | | | | | | 1209 | TRACE | TRACE | .0 | |
| JUN | 100.0 | | | | | | | | | | | | | | 1169 | .0 | .0 | .0 | |
| JUL | 100.0 | | | | | | | | | | | | | | 1209 | .0 | .0 | .0 | |
| AUG | 100.0 | | | | | | | | | | | | | | 1200 | .0 | .0 | .0 | |
| SEP | 100.0 | | | | | | | | | | | | | | 1169 | .0 | .0 | .0 | |
| OCT | 99.2 | .7 | | .1 | | | | | | | | | | .1 | 1209 | TRACE | 1.0 | .0 | |
| NOV | 63.5 | 5.4 | .2 | .1 | .1 | .1 | | .1 | .2 | | | | | .7 | 1166 | .7 | 8.6 | .0 | |
| DEC | 79.6 | 14.1 | 2.4 | 1.8 | .5 | .5 | .2 | .5 | .3 | | .1 | | | 6.4 | 1208 | 4.0 | 18.3 | .0 | |
| ANN | 71.0 | 5.7 | 1.0 | 1.5 | .5 | .3 | .2 | .2 | .1 | .3 | .6 | | | 3.3 | 14316 | 23.2 | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 74096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 46, 48-87

| YEAR | 24 HOUR AMOUNTS IN INCHES | | | | | | | | | | | | ALL MONTHS |
|------|---------------------------|-------|-------|-------|-------|-----|-----|-----|-----|-------|--------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 46 | 1.0 | 1.7 | .0 | | | | | | | | | | |
| 48 | | | | | | | | *.0 | .0 | .0 | .0 | 6.7 | |
| 49 | 5.5 | 5.7 | .6 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 5.7 |
| 50 | .2 | .1 | .4 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | .4 |
| 51 | .6 | 1.4 | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 4.4 | 4.4 |
| 52 | 1.8 | TRACE | 7.2 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.0 | 1.0 | 7.2 |
| 53 | 3.6 | TRACE | 6.8 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 6.7 | TRACE | 6.8 |
| 54 | 5.4 | TRACE | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 6.4 |
| 55 | 2.0 | 4.4 | 2.3 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 1.0 | 4.4 |
| 56 | 3.0 | 1.0 | 6.3 | 1.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 6.3 |
| 57 | 1.7 | 2.0 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 5.0 | 5.0 |
| 58 | 7.2 | 9.7 | 20.1 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .9 | 20.1 |
| 59 | 2.8 | TRACE | .3 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | 5.5 | 5.5 |
| 60 | 1.3 | 1.6 | 2.4 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.7 | 6.7 |
| 61 | 8.9 | 3.7 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.0 | 6.9 |
| 62 | .4 | 3.7 | 7.9 | TRACE | .0 | .0 | .0 | .0 | .0 | 1.0 | TRACE | 2.1 | 7.9 |
| 63 | 3.5 | .9 | .3 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | *TRACE | 4.9 | 4.8 |
| 64 | 5.8 | 4.4 | 2.5 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 6.8 |
| 65 | 14.5 | .9 | 4.2 | 2.9 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | .0 | 14.5 |
| 66 | 8.1 | 4.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 7.1 | 8.1 |
| 67 | 1.0 | 7.6 | 3.0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | 8.6 | 5.3 | 9.6 |
| 68 | .3 | 3.0 | *4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .8 | 5.0 | 6.0 |
| 69 | 1.5 | 6.0 | 6.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.2 | 6.8 |
| 70 | 4.6 | 2.5 | 1.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.1 | 4.6 |
| 71 | 4.6 | .5 | 1.1 | 5.8 | .0 | *.0 | .0 | .0 | .0 | .0 | TRACE | *.2 | 5.8 |
| 72 | 7.1 | 3.0 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | TRACE | 3.1 |
| 73 | TRACE | *.6 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 |
| 74 | 4.5 | 7.8 | .1 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 7.8 |
| 75 | 4.6 | 2.7 | 1.7 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.3 | 4.6 |
| 76 | 7.0 | 2.5 | 4.8 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.0 | 4.8 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
 LAFAYETTE
 AIR WEATHER SERVICE/HAC

EXTREME VALUES OF SNOWFALL
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 46, 48-87

| YEAR | 24 HOUR AMOUNTS IN INCHES | | | | | | | | | | | | ALL MONTHS |
|-----------|---------------------------|-------|-------|-------|-------|---------------|------|------|------|-------|-------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | -M-O-N-T-H-S- | | AUG | SEP | OCT | NOV | DEC | |
| | | | | | | JUN | JUL | | | | | | |
| 77 | 4.4 | .5 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .3 | .3 | 4.4 |
| 78 | 3.7 | 14.1 | 6.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 4.5 | .5 | 16.1 |
| 79 | 4.7 | 11.6 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | 6.4 | 11.6 |
| 80 | 3.8 | .2 | 7.5 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .9 | 3.8 |
| 81 | 3.0 | TRACE | 4.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.3 | 4.8 |
| 82 | 6.8 | .8 | .1 | .9 | .0 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | 6.8 |
| 83 | .2 | 12.9 | TRACE | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .3 | 12.9 |
| 84 | 3.6 | TRACE | 6.3 | TRACE | .3 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.4 | 6.3 |
| 85 | 7.8 | 3.1 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 16.0 | 16.0 |
| 86 | .7 | 3.7 | TRACE | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | 3.7 |
| 87 | 8.0 | 13.3 | 1.3 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | |
| MEAN | 3.69 | 3.75 | 2.64 | .36 | TRACE | .00 | .00 | .00 | .00 | .03 | .69 | 2.79 | 7.24 |
| S.D. | 3.124 | 4.357 | 3.857 | 1.079 | .000 | .000 | .000 | .000 | .000 | .160 | 1.909 | 3.546 | 4.143 |
| TOTAL OBS | 1240 | 1128 | 1239 | 1170 | 1209 | 1169 | 1209 | 1200 | 1169 | 1209 | 1166 | 1208 | 14316 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 72496 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 46, 48-87

| YEAR | TOTAL MONTHLY SNOWFALL IN INCHES | | | | | | | | | | | | ALL MONTHS |
|------|----------------------------------|-------|-------|-------|-------|-----|-----|-----|-----|-------|--------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 46 | 1.1 | 1.7 | .0 | | | | | | | | | | |
| 48 | | | | | | | | *.0 | .0 | .0 | .0 | 7.2 | |
| 49 | 6.2 | 8.7 | .6 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 15.5 |
| 50 | .2 | .1 | .4 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | .7 |
| 51 | 1.1 | 1.4 | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 7.8 |
| 52 | 3.6 | TRACE | 7.5 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.0 | 1.0 | 14.1 |
| 53 | 7.0 | TRACE | 6.8 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 6.7 | TRACE | 21.4 |
| 54 | 11.0 | TRACE | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 11.0 |
| 55 | 2.1 | 6.0 | 2.3 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.2 | 14.6 |
| 56 | 7.8 | 1.3 | 16.5 | 2.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 26.0 |
| 57 | 2.2 | 2.7 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 5.6 | 15.5 |
| 58 | 3.1 | 13.5 | 26.8 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 50.4 |
| 59 | 5.5 | TRACE | .5 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | 11.0 | 17.5 |
| 60 | 2.5 | 3.9 | 8.1 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 13.1 | 27.6 |
| 61 | 13.4 | 10.3 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 6.8 | 35.5 |
| 62 | 1.1 | 9.5 | 10.5 | TRACE | .0 | .0 | .0 | .0 | .0 | 1.0 | TRACE | 2.7 | 25.8 |
| 63 | 5.3 | 1.9 | .5 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | *TRACE | 7.7 | *15.4 |
| 64 | 6.8 | 13.3 | 5.1 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 25.2 |
| 65 | 13.4 | 2.4 | 9.9 | 2.9 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | .0 | 32.6 |
| 66 | 13.4 | 11.4 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 14.4 | 44.4 |
| 67 | 1.0 | 22.4 | 9.6 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | 8.6 | 5.3 | 47.1 |
| 68 | .7 | 4.1 | *6.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .8 | 6.9 | *20.9 |
| 69 | 7.0 | 10.4 | 15.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.6 | 32.0 |
| 70 | 13.4 | 3.7 | 2.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.9 | 22.7 |
| 71 | 3.7 | .7 | 3.0 | 9.4 | .0 | *.0 | .0 | .0 | .0 | .0 | TRACE | *.2 | *22.0 |
| 72 | 4.0 | 9.2 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | TRACE | 13.2 |
| 73 | TRACE | *.6 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.7 | *2.3 |
| 74 | 5.6 | 15.5 | .1 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 21.2 |
| 75 | 5.8 | 6.6 | 2.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.2 | 17.6 |
| 76 | 5.4 | 4.6 | 5.2 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 5.3 | 20.5 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 46, 48-87

| YEAR | TOTAL MONTHLY SNOWFALL IN INCHES | | | | | | | | | | | | ALL MONTHS |
|-----------|----------------------------------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 77 | 11.7 | .5 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .3 | .3 | 12.8 |
| 78 | 17.2 | 27.2 | 17.6 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 4.5 | .5 | 62.0 |
| 79 | 11.5 | 23.2 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | 6.8 | 38.5 |
| 80 | 4.0 | .2 | 6.7 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.3 | 12.2 |
| 81 | 4.8 | TRACE | 4.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.4 | 13.0 |
| 82 | 15.0 | .8 | .1 | .9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.6 | 22.4 |
| 83 | .2 | 17.3 | TRACE | 2.5 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .3 | 20.3 |
| 84 | 17.1 | TRACE | 7.3 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.4 | 20.8 |
| 85 | 9.1 | 4.5 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 18.3 | 32.0 |
| 86 | 1.5 | 13.7 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | 13.3 |
| 87 | 12.9 | 19.5 | 1.5 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | |
| MEAN | 6.73 | 6.97 | 4.39 | .57 | TRACE | .00 | .00 | .00 | .00 | .03 | .69 | 3.97 | 23.55 |
| S.D. | 5.534 | 7.435 | 5.735 | 1.630 | .000 | .000 | .000 | .000 | .000 | .160 | 1.909 | 4.813 | 13.296 |
| TOTAL OBS | 1240 | 1123 | 1239 | 1170 | 1209 | 1169 | 1209 | 1200 | 1169 | 1209 | 1166 | 1208 | 14316 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH
 FROM SUMMARY OF DAY DATA

STATION NUMBER: 779396 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 42-46, 46-47

| MONTH | NONE | TRACE | AMOUNTS IN INCHES | | | | | | | | | | | OVER 170 | % DAYS WITH MEAS AMTS | TOTAL OBS | MONTHLY AMOUNTS | |
|-------|-------|-------|-------------------|-----|-----|--------------|---------------|----------------|----------------|----------------|----------------|-----------------|------|-------------|--------------------------------|--------------|-----------------|--|
| | | | 1 | 2 | 3 | 4 TO 6 | 7 TO 12 | 13 TO 24 | 25 TO 36 | 37 TO 49 | 49 TO 60 | 61 TO 120 | MEAN | | | | GREATEST LEA | |
| JAN | 67.0 | 9.3 | 6.7 | 5.5 | 3.3 | 4.4 | 2.9 | .7 | | | | | | | 23.5 | 1323 | | |
| FEB | 69.7 | 11.3 | 5.9 | 3.8 | 2.7 | 4.0 | 2.1 | 1.3 | | | | | | | 20.0 | 1214 | | |
| MAR | 87.2 | 4.4 | 1.9 | 1.5 | 1.1 | 2.3 | 1.4 | .1 | | | | | | | 8.3 | 1333 | | |
| APR | 98.7 | .7 | .3 | .2 | .1 | .1 | | | | | | | | | .6 | 1260 | | |
| MAY | 100.0 | | | | | | | | | | | | | | | | 1302 | |
| JUN | 100.0 | | | | | | | | | | | | | | | | 1260 | |
| JUL | 100.0 | | | | | | | | | | | | | | | | 1302 | |
| AUG | 100.0 | | | | | | | | | | | | | | | | 1293 | |
| SEP | 100.0 | | | | | | | | | | | | | | | | 1289 | |
| OCT | 99.9 | | .1 | | | | | | | | | | | | .1 | 1333 | | |
| NOV | 99.3 | .5 | .2 | .1 | | | | | | | | | | | .2 | 1246 | | |
| DEC | 82.4 | 7.7 | 3.1 | 2.0 | 1.7 | 2.7 | 1.4 | | | | | | | | 10.3 | 1333 | | |
| ANN | 92.0 | 2.7 | 1.5 | 1.1 | .8 | 1.1 | .6 | .2 | | | | | | | 5.2 | 15538 | | |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724796 STATION NAME: MCCUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

| YEAR | DAILY SNOW DEPTH IN INCHES | | | | | | | | | | | | ALL MONTHS |
|------|----------------------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 42 | | | | | | | | | | 2 | 0 | 0 | 2 |
| 43 | 5 | 2 | 1 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | 2 | 0 | 5 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 45 | 6 | 5 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 46 | TRACE | TRACE | 0 | | | | | | | | | | |
| 48 | | | | | | | | | | | | | |
| 49 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | TRACE | TRACE | TRACE | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | TRACE | TRACE | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | 1 | TRACE | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | 4 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | 10 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | 5 | 1 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 | 2 | 2 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | 2 | 14 | 14 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 | 5 | TRACE | TRACE | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | 1 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | 16 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 | TRACE | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | 5 | 3 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | 7 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | 17 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | 13 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | 1 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | 3 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | 3 | 6 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | 7 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | 3 | TRACE | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 | 4 | 3 | TRACE | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724956 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

| YEAR | DAILY SNOW DEPTH IN INCHES | | | | | | | | | | | | ALL MONTHS | |
|-----------|----------------------------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|-------|-------|------------|-------|
| | JAN | FEB | MAR | APR | MAY | -M-O-N-T-H-S- | | AUG | SEP | OCT | NOV | DEC | | |
| 73 | TRACE | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| 74 | 3 | 7 | TRACE | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 0 | 7 |
| 75 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| 76 | 2 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 |
| 77 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 5 |
| 78 | 9 | 21 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | TRACE | 21 |
| 79 | 6 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 15 |
| 80 | 5 | TRACE | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| 81 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 |
| 82 | 11 | 1 | TRACE | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 11 |
| 83 | TRACE | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 16 |
| 84 | 7 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 8 |
| 85 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 86 | 1 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 4 |
| 87 | 9 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEAN | 4.3 | 4.4 | 3.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 0.0 | 7.9 |
| S.D. | 3.747 | 5.546 | 3.726 | 0.991 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.152 | 0.370 | 3.097 | 0.000 | 4.617 |
| TOTAL OBS | 1733 | 1214 | 1333 | 1260 | 1302 | 1260 | 1302 | 1293 | 1280 | 1333 | 1286 | 1333 | 15538 | |

NOTE * (BASED ON LESS THAN FULL MONTHS)

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SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968. COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

AN ASTERISK "*" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IS GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITIES EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH
USAFETC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 72446 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 44 48-87

DAILY PEAK GUSTS IN KNOTS
-M-O-N-T-H-S-

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|
| 46 | SW 47 | SW 45 | WSW 45 | | | | | | | | | | |
| 49 | NNW 25 | NW 35 | W 39 | WSW 44 | W 43 | SE 27 | WSW 32 | SE 41 | NW 43 | SSW 30 | NW 35 | NNW 31 | WSW 44 |
| 50 | NNW 42 | NNW 44 | NNE 48 | S 35 | SW 35 | SW 35 | SSW 43 | S 25 | NNW 26 | ESE 25 | ESL 73 | ESE 39 | ESE 73 |
| 51 | SW 49 | W 42 | ENE 46 | | W 32 | NW 28 | NNW 43 | SW 32 | SSE 29 | NW 42 | ESE 49 | NNW 49 | |
| 52 | SE 42 | NW 48 | SSW 54 | SE 37 | NNW 42 | NNW 28 | NW 38 | SSW 70 | SSE 41 | NNW 29 | ESE 45 | SSE 34 | SSW 70 |
| 53 | S 49 | NNW 41 | NW 45 | NNW 42 | WSW 36 | W 34 | NNW 42 | SSW 40 | SSE 35 | NW 31 | NNW 40 | SW 42 | S 49 |
| 54 | NNW 37 | SE 42 | ESE 38 | W 29 | W 30 | NW 30 | SSW 35 | W 24 | NW 35 | | WSW 43 | SSE 36 | |
| 55 | W 41 | SSW 43 | WSW 50 | E 39 | WSW 30 | | | | | | W 37 | NW 32 | |
| 56 | NE 44 | W 40 | ENE 36 | NNW 38 | NNW 35 | NNW 26 | WSW 31 | N 30 | ENE 35 | NNW 29 | NW 41 | NNW 37 | W 50 |
| 57 | SW 40 | NNW 33 | NW 39 | NNW 40 | WSW 24 | WSW 31 | SW 30 | NNE 21 | WSW 27 | NW 32 | SSW 41 | NNE 40 | SSW 41 |
| 58 | ENE 47 | ENE 46 | NW 32 | SW 32 | NNW 32 | NNW 30 | W 29 | W 30 | W 26 | NW 29 | S 42 | W 35 | ENE 48 |
| 59 | W 47 | NNW 26 | NNW 40 | NNW 21 | NNW 26 | NNW 36 | W 29 | NE 22 | N 21 | NNW 27 | NNW 37 | SW 38 | W 43 |
| 60 | S 56 | W 44 | W 34 | W 35 | NNW 30 | WSW 34 | NW 33 | NNE 36 | NW 56 | W 33 | W 32 | NE 42 | NW 56 |
| 61 | N 34 | ENE 26 | E 34 | E 31 | NNW 32 | W 31 | NNW 26 | NW 22 | NNW 39 | NNW 28 | NW 36 | W 37 | W 71 |
| 62 | S 37 | W 31 | NE 46 | W 40 | W 30 | SW 30 | W 33 | N 30 | SSW 25 | SSW 20 | NE 40 | NNW 51 | NNW 51 |
| 63 | NNW 28 | NW 31 | W 34 | NNW 49 | NNW 47 | NW 26 | NW 27 | NNW 39 | NW 29 | NNW 25 | WSW 34 | W 33 | NNW 49 |
| 64 | ENE 24 | NNW 21 | W 45 | NW 46 | NNW 32 | WSW 42 | ESE 25 | NNW 25 | NNE 25 | NW 31 | NNW 38 | NNW 42 | NW 48 |
| 65 | NW 40 | SW 25 | NW 33 | W 41 | NNW 28 | NNE 24 | NNW 41 | WSW 26 | W 30 | NNW 35 | NNW 46 | N 33 | NNW 46 |
| 66 | W 45 | W 31 | NNW 45 | NW 29 | W 38 | NNW 32 | NW 37 | NNW 39 | NNW 30 | NW 35 | SE 35 | NNE 34 | W 49 |
| 67 | NW 47 | W 48 | NW 26 | N 40 | N 43 | SW 22 | ESE 27 | S 32 | NNE 32 | SSE 35 | NNW 41 | NW 32 | W 48 |
| 68 | NW 39 | NNW 41 | NW 46 | NW 37 | W 31 | NW 24 | W 27 | W 21 | W 24 | W 29 | W 25 | W 46 | W 55 |
| 69 | 29/ 35 | 27/ 45 | 47/ 38 | 28/ 28 | 25/ 27 | 28/ 27 | 29/ 31 | 34/ 21 | 33/ 25 | 28/ 31 | 26/ 33 | 29/ 40 | 33/ 45 |
| 70 | 28/ 25 | 27/ 30 | 28/ 38 | 27/ 50 | 31/ 28 | 26/ 42 | 27/ 21 | 33/ 28 | 29/ 37 | 37/ 30 | 32/ 31 | 30/ 43 | 27/ 56 |
| 71 | 26/ 47 | 19/ 28 | 27/ 48 | 27/ 34 | 31/ 35 | 26/ 29 | 32/ 23 | 32/ 39 | 35/ 23 | 37/ 26 | 27/ 42 | 30/ 30 | 27/ 46 |
| 72 | 27/ 46 | 17/ 27 | 21/ 34 | 28/ 27 | 25/ 26 | 27/ 48 | 32/ 25 | 34/ 24 | 35/ 27 | 37/ 28 | 34/ 28 | 29/ 35 | 27/ 46 |
| 73 | 23/ 22 | 19/ 31 | 26/ 38 | 29/ 30 | 25/ 29 | 30/ 28 | 32/ 32 | 32/ 51 | 24/ 40 | 32/ 28 | 27/ 47 | 31/ 34 | 32/ 51 |
| 74 | 23/ 28 | 21/ 42 | 35/ 41 | 28/ 31 | 27/ 46 | 37/ 32 | 37/ 68 | 47/ 41 | 33/ 66 | 32/ 25 | 30/ 38 | 5/ 53 | 33/ 66 |
| 75 | 25/ 42 | 25/ 37 | 32/ 40 | 27/ 51 | 37/ 27 | 31/ 27 | 27/ 44 | 37/ 22 | 31/ 26 | 28/ 26 | 24/ 24 | 32/ 34 | 27/ 53 |
| 76 | 27/ 43 | 31/ 41 | 30/ 50 | 29/ 37 | 34/ 52 | 20/ 31 | 30/ 27 | 34/ 48 | 24/ 24 | 18/ 26 | 31/ 31 | 28/ 44 | 18/ 76 |

NOTES * BASED ON LESS THAN FULL MONTHS
S BASED ON LESS THAN FULL MONTHS AND *100 KNOTS

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724056 STATION NAME: MCCLURE AFB NJ

PERIOD OF RECORD: 46, 48-87

| YEAR | DAILY PEAK GUSTS IN KNOTS | | | | | | | | | | | | ALL MONTHS |
|-----------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 77 | 25/ 47 | 28/ 50 | 29/ 51 | 26/ 44 | 33/ 34 | 30/ 35 | 28/ 24 | 34/ 33 | 25/ 27 | 2/ 32 | 29/ 39 | 30/ 42 | 28/ 53 |
| 78 | 26/ 44 | 32/ 50 | 29/ 34 | 7/ 23 | 31/ 33 | 26/ 39 | 9/ 27 | 36/ 42 | 34/ 32 | 25/ 27 | 29/ 26 | 30/ 42 | 26/ 44 |
| 79 | 33/ 43 | 32/ 46 | 31/ 32 | 37/ 43 | 27/ 27 | 27/ 34 | 37/ 27 | 27/ 31 | 18/ 41 | 24/ 32 | 29/ 46 | 33/ 42 | 18/ 48 |
| 80 | 21/ 36 | 37/ 26 | 29/ 41 | 28/ 26 | 27/ 42 | 22/ 26 | 30/ 48 | 24/ 36 | 31/ 37 | 9/ 48 | 33/ 41 | 30/ 56 | 30/ 56 |
| 81 | 29/ 38 | 21/ 47 | 32/ 36 | 32/ 36 | 19/ 25 | 32/ 49 | 37/ 26 | 7/ 31 | 33/ 32 | 29/ 37 | 30/ 34 | 28/ 43 | 32/ 49 |
| 82 | 26/ 40 | 30/ 40 | 28/ 33 | 29/ 46 | 9/ 30 | 31/ 31 | 29/ 38 | 32/ 30 | 16/ 33 | 3/ 30 | 33/ 33 | 35/ 33 | 29/ 46 |
| 83 | 31/ 36 | 5/ 37 | 17/ 42 | 17/ 34 | 24/ 36 | 25/ 22 | 26/ 29 | 31/ 46 | 23/ 25 | 10/ 30 | 24/ 39 | 30/ 43 | 31/ 48 |
| 84 | 31/ 31 | 9/ 36 | 7/ 47 | 16/ 22 | 21/ 62 | 37/ 30 | 25/ 30 | 28/ 23 | 28/ 29 | 28/ 30 | 34/ 30 | 31/ 28 | 31/ 62 |
| 85 | 29/ 34 | 30/ 41 | 29/ 45 | 31/ 34 | 33/ 33 | 32/ 30 | 26/ 46 | 22/ 21 | 29/ 62 | 29/ 42 | 9/ 30 | 31/ 49 | 29/ 62 |
| 86 | 26/ 32 | 34/ 33 | 29/ 42 | 10/ 38 | 29/ 30 | 33/ 33 | 25/ 22 | 30/ 31 | 35/ 30 | 32/ 33 | 29/ 36 | 34/ 40 | 29/ 42 |
| 87 | 21/ 36 | 30/ 35 | 18/ 47 | 24/ 37 | 25/ 45 | 28/ 43 | 28/ 40 | | | | | | |
| MEAN | 39.6 | 40.3 | 41.5 | 37.6 | 34.8 | 33.9 | 32.7 | 34.0 | 33.2 | 32.0 | 38.5 | 34.6 | 52.1 |
| S.D. | 5.792 | 5.627 | 5.920 | 6.963 | 5.450 | 6.656 | 10.046 | 10.656 | 11.033 | 5.682 | 8.476 | 7.488 | 7.968 |
| TOTAL OPS | 1723 | 1103 | 1162 | 1099 | 1118 | 1065 | 1109 | 1090 | 1044 | 1043 | 1143 | 1192 | 13431 |

NOTES: * (BASED ON LESS THAN FULL MONTHS)
 † (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
 USAF/ITAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JAN 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 | | | GE 56 |
| N | 2.6 | 4.1 | 4.3 | 1.7 | .1 | | | | | | | 12.0 | 6.3 |
| NNE | .5 | .6 | 1.2 | .2 | .3 | | | | | | | 2.9 | 7.7 |
| NE | 1.1 | .8 | .9 | .8 | .1 | | | | | | | 3.5 | 7.0 |
| NNE | .9 | .2 | .4 | .1 | | | | | | | | 1.6 | 4.6 |
| E | 1.2 | .2 | .9 | .2 | | | | | | | | 2.5 | 5.3 |
| ESE | .7 | .4 | .6 | | | | | | | | | 1.4 | 5.9 |
| SE | .3 | | | | | | | | | | | .3 | 2.3 |
| SSE | .7 | .7 | .1 | | | | | | | | | .9 | 3.4 |
| S | .5 | .9 | .4 | .7 | .1 | | | | | | | 2.3 | 6.7 |
| SSW | 1.4 | 1.3 | .9 | .4 | .1 | | | | | | | 4.1 | 6.7 |
| SW | .9 | 1.4 | 1.0 | | | | | | | | | 3.2 | 5.1 |
| WSW | .6 | 2.3 | .9 | .9 | .1 | | | | | | | 4.7 | 7.1 |
| W | 2.7 | 4.1 | 3.5 | 4.1 | .6 | .3 | | | | | | 14.7 | 8.4 |
| WNW | .5 | 3.7 | 3.0 | 3.1 | .5 | .1 | | | | | | 11.2 | 9.1 |
| W | .4 | 2.5 | 2.4 | 3.7 | .9 | | | | | | | 9.4 | 9.6 |
| WNW | .4 | 3.7 | 2.2 | 1.5 | .2 | | | | | | | 8.4 | 7.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 17.7 | //// |
| TOTALS | 14.9 | 26.7 | 22.6 | 15.7 | 3.1 | .4 | | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS: 250

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: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JAN 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 | | | GE 56 |
| N | 3.3 | 4.6 | 3.3 | 1.9 | .1 | | | | | | | 13.3 | 6.2 |
| NNE | .9 | 1.2 | .4 | .6 | .2 | | | | | | | 3.2 | 7.3 |
| NE | .9 | .5 | .5 | .8 | .2 | .1 | | | | | | 2.9 | 8.6 |
| NNE | .5 | 1.1 | | .1 | .1 | | | | | | | 1.9 | 5.7 |
| E | .9 | .8 | 1.0 | .2 | | | | | | | | 2.7 | 6.0 |
| ESE | .4 | .2 | .4 | .2 | | | | | | | | 1.3 | 6.9 |
| SE | .3 | .1 | .1 | | | | | | | | | .5 | 3.6 |
| SSE | .7 | .2 | | .1 | | | | | | | | .6 | 5.0 |
| S | 1.4 | .4 | | .8 | .2 | | | | | | | 2.8 | 6.7 |
| SSW | 1.0 | .3 | 1.5 | .2 | | | | | | | | 3.0 | 6.4 |
| SW | 1.6 | 1.3 | .3 | .1 | | | | | | | | 3.3 | 4.1 |
| WSW | .9 | 2.0 | 1.9 | .8 | .3 | | | | | | | 5.9 | 7.5 |
| W | 2.7 | 3.2 | 4.3 | 2.4 | 1.4 | .2 | | | | | | 13.8 | 8.9 |
| WNW | 1.1 | 2.2 | 3.4 | 3.1 | 1.0 | .4 | | | | | | 11.2 | 10.0 |
| W | .9 | 2.3 | 2.8 | 1.5 | .4 | | | | | | | 7.7 | 8.6 |
| WNW | .8 | 2.9 | 2.4 | 1.9 | | | | | | | | 8.0 | 7.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 17.8 | //// |
| TOTALS | 16.9 | 23.3 | 22.5 | 14.7 | 4.0 | .9 | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

JOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JAN HOURS(LST): 0600-0800

| 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 | | | GE 56 |
| N | 0.2 | 3.8 | 3.5 | 1.2 | | | | | | | | 10.6 | 6.3 |
| NNE | 1.6 | 2.0 | 1.0 | .9 | .1 | | | | | | | 5.5 | 6.5 |
| NE | 1.2 | .5 | .5 | .2 | .1 | | | | | | | 2.6 | 5.5 |
| NNE | .4 | .5 | .5 | .1 | .2 | | | | | | | 1.9 | 7.8 |
| E | 1.1 | .6 | .9 | .5 | | | | | | | | 3.1 | 6.1 |
| ESE | .4 | .3 | .3 | | .1 | | | | | | | 1.2 | 6.4 |
| SE | .7 | | .4 | .1 | | | | | | | | .9 | 6.9 |
| SSE | .2 | .2 | .3 | | | | | | | | | .8 | 5.4 |
| S | 1.3 | 1.4 | .5 | .1 | | | | | | | | 3.7 | 4.9 |
| SSW | .9 | .8 | .8 | .4 | .2 | | | | | | | 3.0 | 7.3 |
| SW | 1.5 | 1.9 | .8 | .1 | | | | | | | | 4.2 | 4.7 |
| WSW | 1.2 | 1.2 | 1.0 | .4 | .4 | | | | | | | 4.2 | 7.3 |
| W | 1.6 | 4.1 | 4.6 | 3.5 | 1.5 | | | | | | | 15.4 | 8.9 |
| WNW | 1.9 | 3.1 | 4.0 | 3.0 | 1.0 | | | | | | | 12.9 | 8.7 |
| NW | 1.0 | 2.5 | 2.7 | 2.4 | .4 | .1 | | | | | | 9.0 | 8.9 |
| NNW | 1.5 | 1.1 | 2.5 | 1.0 | .4 | | | | | | | 6.5 | 8.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALP | //////////////////// | | | | | | | | | | | 14.6 | //// |
| TOTALS | 13.2 | 24.0 | 24.6 | 14.0 | 4.5 | .1 | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

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: 724090 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87
MONTH: JAN HOURS(LST): 0900-1100

| DIRECTION (DOLUPEFS) | 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 | 1.0 | 2.7 | 3.8 | 2.9 | .1 | | | | | | | 10.4 | 8.4 |
| NNE | 1.1 | 2.0 | 1.3 | .6 | .1 | | | | | | | 5.2 | 6.8 |
| NE | .6 | 1.6 | 2.4 | .4 | | | | | | | | 5.1 | 6.6 |
| NNE | .6 | .4 | .8 | .2 | .3 | | | | | | | 2.4 | 6.0 |
| E | .8 | .9 | 1.0 | .8 | | | | | | | | 3.3 | 6.9 |
| ESE | .5 | .5 | .2 | .4 | | | | | | | | 1.7 | 6.4 |
| SE | .2 | .1 | .5 | | | | | | | | | .9 | 6.1 |
| SSE | .7 | .5 | .1 | | | | | | | | | 1.0 | 3.9 |
| S | .6 | .4 | 1.1 | .7 | | | | | | | | 2.4 | 6.9 |
| SSA | .3 | .6 | 1.3 | .9 | .1 | | | | | | | 3.1 | 8.7 |
| SA | .3 | 1.0 | 1.2 | .6 | | | .1 | | | | | 3.2 | 7.7 |
| SSA | .4 | 1.7 | 1.8 | 1.0 | .6 | .1 | | | | | | 6.1 | 6.6 |
| W | 1.7 | 1.6 | 3.0 | 4.5 | 1.6 | .1 | .1 | | | | | 12.3 | 10.9 |
| WNW | 1.0 | 1.6 | 4.5 | 5.8 | 2.3 | .4 | | | | | | 15.6 | 11.4 |
| W | .9 | 1.4 | 4.3 | 4.7 | 1.2 | .2 | | | | | | 12.7 | 10.7 |
| WNW | .9 | 1.5 | 2.3 | 1.8 | .2 | .3 | | | | | | 7.0 | 9.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 7.1 | //// |
| TOTALS | 11.7 | 18.9 | 29.5 | 24.8 | 6.6 | 1.2 | .2 | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/CIAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 79-87
 MONTH: JAN HOURS(IST): 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 | 1.4 | 3.3 | 3.5 | 1.3 | .3 | | | | | | | 9.9 | 7.4 |
| NNE | .8 | .8 | 1.1 | .6 | | | | | | | | 3.2 | 7.2 |
| NENE | .3 | .8 | 1.1 | .4 | | | | | | | | 2.6 | 7.7 |
| ENE | .3 | .9 | 1.0 | .6 | .2 | | | | | | | 3.0 | 8.4 |
| E | 1.2 | .5 | 1.9 | 1.0 | .1 | | | | | | | 4.6 | 7.6 |
| ESE | .4 | .2 | .4 | .1 | | | | | | | | 1.2 | 6.4 |
| SE | .2 | .2 | .1 | .1 | | | | | | | | .6 | 6.0 |
| SSE | .2 | .5 | .6 | | | | | | | | | 1.4 | 5.9 |
| S | .3 | .9 | 1.0 | .2 | .2 | | | | | | | 2.6 | 8.1 |
| SSW | | .3 | 1.0 | .5 | | | | | | | | 1.9 | 9.3 |
| SW | .4 | .9 | .6 | 1.7 | .1 | | | | | | | 3.8 | 9.2 |
| WSW | | 1.2 | 2.0 | 1.2 | .9 | | | | | | | 5.2 | 10.1 |
| W | 1.3 | 2.4 | 3.1 | 4.8 | 1.8 | .7 | | | | | | 14.3 | 11.3 |
| WNW | .3 | 1.5 | 3.8 | 6.6 | 2.9 | 1.2 | | | | | | 16.7 | 12.6 |
| W | 1.3 | 2.0 | 5.9 | 6.5 | 1.6 | .4 | | | | | | 17.4 | 11.1 |
| WNW | .9 | 1.0 | 2.3 | 2.7 | .1 | .2 | .1 | | | | | 5.2 | 10.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 3.5 | //// |
| TOTALS | 9.5 | 17.3 | 29.4 | 25.4 | 8.7 | 2.7 | .1 | | | | | 100.0 | 9.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724396 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JAN 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 56 |
| N | 2.6 | 3.7 | 2.6 | 1.1 | .3 | | | | | | | 10.2 | 6.3 |
| NNE | .3 | .5 | 1.2 | .3 | | | | | | | | 2.4 | 7.2 |
| NE | .5 | .9 | 1.4 | .9 | .1 | | | | | | | 3.8 | 8.2 |
| NNE | .3 | .6 | .6 | .5 | .3 | | | | | | | 2.5 | 8.7 |
| E | .5 | 1.5 | 1.1 | .8 | .1 | | | | | | | 4.0 | 7.4 |
| ESE | .2 | .6 | .2 | .2 | .1 | | | | | | | 1.4 | 6.8 |
| SE | | .3 | .3 | | | | | | | | | .6 | 6.3 |
| SSE | .4 | .3 | .3 | | | | | | | | | 1.1 | 4.5 |
| S | .1 | 1.1 | .9 | .4 | | | | | | | | 2.5 | 7.6 |
| SSW | .5 | .8 | 1.4 | .3 | | | | | | | | 3.0 | 6.7 |
| SW | .8 | 1.5 | 1.0 | .5 | | .1 | .1 | | | | | 4.0 | 7.4 |
| WSW | .6 | 2.0 | 1.2 | .9 | .2 | .1 | | | | | | 5.1 | 8.0 |
| W | .9 | 3.4 | 4.2 | 4.1 | 1.6 | .6 | .1 | | | | | 15.3 | 10.3 |
| WNW | 1.8 | 2.0 | 4.7 | 5.6 | 2.3 | .8 | | | | | | 17.2 | 11.0 |
| W | 1.4 | 1.7 | 4.9 | 4.3 | 1.0 | .3 | | | | | | 13.7 | 9.9 |
| WNW | 1.4 | 1.5 | 2.4 | 1.8 | 1.0 | .1 | .2 | | | | | 8.4 | 9.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.1 | //// |
| TOTALS | 12.5 | 22.9 | 28.4 | 21.7 | 7.0 | 2.0 | .4 | | | | | 100.0 | 9.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

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: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JAN HOURS(LST): 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 | 1.2 | 2.2 | 1.6 | 1.2 | | | | | | | | 6.1 | 6.7 |
| NNE | .6 | 1.2 | 1.8 | .5 | | | | | | | | 4.2 | 7.2 |
| NE | 1.3 | 1.3 | .3 | .5 | | | | | | | | 3.7 | 6.1 |
| ENE | .9 | 1.2 | .4 | .5 | | | | | | | | 3.0 | 6.0 |
| E | .9 | .9 | .4 | .4 | | | | | | | | 2.6 | 6.0 |
| ESE | .4 | | | .3 | | | | | | | | 1.2 | 5.4 |
| SE | .5 | .7 | | .1 | | | | | | | | 1.0 | 3.9 |
| SSE | .5 | .1 | .1 | .7 | | | | | | | | 1.4 | 5.2 |
| S | 1.1 | 1.5 | .9 | .1 | .1 | | | | | | | 3.5 | 5.1 |
| SSW | 1.2 | 1.4 | .9 | .1 | .7 | | | | | | | 3.7 | 6.1 |
| SW | .4 | 1.7 | 1.1 | .3 | .7 | | | | | | | 3.7 | 7.1 |
| WSW | 1.7 | 2.0 | 1.3 | .7 | .7 | | | | | | | 6.7 | 6.1 |
| W | 3.3 | 4.4 | 3.7 | 3.7 | .9 | .5 | .1 | | | | | 16.3 | 8.5 |
| WNW | 2.8 | 2.6 | 3.4 | 3.7 | 1.5 | .5 | | | | | | 14.7 | 9.4 |
| W | 1.8 | 2.0 | 3.0 | 2.2 | .1 | | | | | | | 9.1 | 7.8 |
| WNW | 1.1 | 1.7 | 2.2 | 1.7 | .5 | | | | | | | 7.6 | 8.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALC | //////////////////// | | | | | | | | | | 12.2 | //// | |
| TOTALS | 20.5 | 25.7 | 20.9 | 16.1 | 3.5 | 1.7 | .1 | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

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: 704790 STATION NAME: MCCUIRE AFB NJ

PERIOD OF RECORD: 79-87
 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 | | | GE 56 |
| N | 1.0 | 3.4 | 2.8 | 1.4 | .1 | | | | | | | 9.4 | 7.0 |
| NNE | .4 | 1.7 | .8 | .7 | .3 | | | | | | | 3.5 | 7.1 |
| NE | .7 | .9 | 1.1 | .3 | .2 | | | | | | | 2.8 | 7.7 |
| NNE | .5 | .8 | .8 | .2 | | | | | | | | 2.3 | 6.1 |
| E | .4 | .5 | .4 | .1 | | | | | | | | 1.5 | 6.1 |
| ESE | .5 | .2 | .2 | | | | | | | | | 1.0 | 4.4 |
| SE | .7 | | | .1 | | | | | | | | .4 | 4.5 |
| ESE | .5 | .7 | .2 | .2 | | | | | | | | 1.3 | 5.9 |
| S | 1.1 | .3 | .4 | .5 | | | | | | | | 2.8 | 5.7 |
| SSW | 1.5 | 1.5 | .5 | .4 | .1 | | | | | | | 4.1 | 5.7 |
| SW | 1.7 | 1.7 | 1.0 | .1 | | | | | | | | 4.5 | 4.8 |
| SSW | 1.6 | 1.5 | 1.2 | .2 | .2 | | | | | | | 5.1 | 5.7 |
| W | 2.7 | 3.1 | 3.3 | 3.7 | 1.0 | .7 | | | | | | 14.0 | 8.7 |
| WSW | 1.5 | 1.7 | 3.4 | 3.0 | 1.1 | .5 | | | | | | 11.3 | 10.2 |
| W | 1.1 | 2.4 | 3.7 | 2.3 | .3 | .1 | | | | | | 10.1 | 8.7 |
| WNW | 1.1 | 3.7 | 2.9 | 2.4 | .3 | | | | | | | 12.5 | 8.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 15.5 | //// |
| TOTALS | 17.1 | 24.1 | 22.7 | 16.1 | 3.7 | .7 | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

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: 744096 STATION NAME: MCCUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JAN FOURTH(LST): 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 | 2.0 | 3.5 | 3.2 | 1.5 | .1 | | | | 10.3 | 6.8 | |
| NNE | .9 | 1.3 | 1.1 | .5 | .1 | | | | 3.8 | 7.0 | |
| NE | .9 | .9 | 1.0 | .6 | .1 | .0 | | | 3.4 | 7.2 | |
| ENE | .6 | .7 | .6 | .3 | .1 | | | | 2.3 | 7.0 | |
| E | .3 | .7 | .9 | .5 | .0 | | | | 3.0 | 6.6 | |
| ESE | .5 | .3 | .3 | .2 | .0 | | | | 1.3 | 6.1 | |
| SE | .2 | .1 | .2 | .1 | | | | | .7 | 5.2 | |
| SSE | .4 | .3 | .2 | .1 | | | | | 1.0 | 5.0 | |
| S | .3 | .9 | .7 | .1 | .1 | | | | 2.8 | 6.3 | |
| SSW | .3 | .9 | 1.0 | .9 | .1 | | | | 3.2 | 6.8 | |
| SW | 1.0 | 1.4 | .9 | .9 | .0 | .0 | .0 | | 3.8 | 6.3 | |
| WSW | .9 | 1.8 | 1.4 | .7 | .9 | .0 | .0 | | 5.7 | 7.5 | |
| W | 1.7 | 3.2 | 3.7 | 3.8 | 1.3 | .9 | .0 | | 14.5 | 9.4 | |
| WNW | 1.9 | 2.3 | 3.8 | 4.0 | 1.6 | .5 | | | 13.8 | 10.4 | |
| W | 1.1 | 2.1 | 3.7 | 3.4 | .7 | .1 | | | 11.1 | 9.7 | |
| WNW | 1.3 | 2.1 | 2.4 | 2.1 | .7 | .1 | .0 | | 8.1 | 8.9 | |
| VARIABLE | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | 11.6 | //// |
| TOTALS | 15.2 | 27.7 | 25.1 | 19.1 | 5.1 | 1.2 | .1 | | 100.0 | 7.9 | |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGLIRE AFB NJ

PERIOD OF RECORD: 7P-87
 MONTH: FEB 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 | 3.7 | 4.7 | 3.9 | 1.4 | .2 | | | | | | | 13.0 | 6.5 |
| NNE | .4 | 1.7 | .5 | .4 | | | | | | | | 3.0 | 6.5 |
| NE | .8 | 1.1 | 1.2 | .2 | | | | | | | | 3.3 | 6.5 |
| NNE | .8 | .7 | 1.1 | 1.3 | | | | | | | | 3.9 | 8.4 |
| E | .9 | 2.1 | .9 | .2 | | | | | | | | 4.1 | 5.5 |
| ESE | .4 | .2 | | | | | | | | | | .6 | 2.8 |
| E | .2 | .1 | .1 | | | | | | | | | .5 | 4.0 |
| ESE | .4 | .1 | .1 | | | | | | | | | .6 | 4.4 |
| S | .6 | 1.2 | .7 | .5 | .2 | | | | | | | 3.2 | 7.2 |
| SSW | 1.5 | .2 | .7 | .1 | | | | | | | | 2.6 | 4.4 |
| S | 1.9 | 1.9 | .6 | | | | | | | | | 4.4 | 4.1 |
| SSW | 1.5 | 1.4 | .6 | .2 | | | | | | | | 3.9 | 4.5 |
| S | 2.6 | 1.9 | .9 | .2 | | | | | | | | 5.7 | 4.3 |
| WSW | 1.4 | 2.7 | 3.1 | 1.9 | 1.2 | .4 | | | | | | 10.6 | 9.0 |
| WSW | 1.2 | 3.2 | 3.7 | 2.8 | .8 | .1 | | | | | | 11.6 | 9.3 |
| WSW | .5 | 2.5 | 2.6 | 2.5 | .2 | | | | | | | 8.6 | 8.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 27.4 | //// |
| TOTALS | 18.7 | 29.1 | 28.8 | 10.2 | 2.7 | .5 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 946

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS(LST): 0300-0500

| DIRECTION (DDGREPSS) | 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 | 3.7 | 3.7 | 2.0 | .2 | | | | | | | 13.2 | 6.5 |
| NNE | .2 | 1.7 | 1.4 | .6 | | | | | | | | 3.9 | 7.6 |
| NE | .8 | .6 | .7 | .8 | | .1 | | | | | | 3.3 | 7.8 |
| NENE | 1.3 | .9 | .8 | .8 | .1 | | | | | | | 3.9 | 6.8 |
| E | 1.2 | 1.5 | .8 | .6 | | | | | | | | 4.1 | 5.7 |
| ESE | .2 | .2 | .2 | | | | | | | | | .7 | 5.5 |
| SE | .4 | | .2 | | | | | | | | | .6 | 4.4 |
| SSE | .4 | .1 | | .1 | | | | | | | | .6 | 4.4 |
| S | 1.1 | .6 | .1 | .2 | .2 | | | | | | | 2.5 | 6.2 |
| SSW | .5 | .8 | .9 | .2 | .1 | | | | | | | 2.6 | 7.3 |
| SW | 1.4 | .8 | .5 | .1 | .1 | | | | | | | 3.0 | 5.0 |
| WSW | .9 | 1.7 | .1 | .1 | | | | | | | | 2.8 | 4.2 |
| W | 2.7 | 3.6 | 1.4 | .5 | | | | | | | | 8.2 | 5.0 |
| WNW | 1.1 | 3.2 | 2.8 | 2.4 | .4 | .1 | | | | | | 9.9 | 8.5 |
| W | 1.1 | 3.7 | 3.0 | 2.6 | .8 | .2 | .1 | | | | | 11.1 | 9.3 |
| WNW | 2.7 | 2.1 | 3.2 | 2.1 | .1 | | | | | | | 9.6 | 7.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 20.0 | //// |
| TOTALS | 19.9 | 25.2 | 20.0 | 17.2 | 2.1 | .5 | .1 | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 946

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: 724096 STATION NAME: MCGLURE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS(LST): 0600-0800

| DIRECTION (DFOREEST) | WIND SPEED IN KNOTS | | | | | | | TOTAL % | MEAN WIND |
|-------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | | |
| N | 2.9 | 2.6 | 3.7 | 3.1 | .1 | | | 13.2 | 7.4 |
| NNE | .9 | 1.6 | .7 | .5 | .2 | .1 | | 4.0 | 7.1 |
| NE | .8 | 1.7 | .5 | .6 | .4 | | | 3.5 | 7.3 |
| NNE | .7 | 1.4 | .5 | .8 | .2 | | | 3.7 | 7.2 |
| E | 1.1 | 1.9 | .8 | .5 | .1 | | | 4.4 | 6.2 |
| ESE | .5 | .6 | | .1 | | | | 1.1 | 4.7 |
| SE | .4 | .1 | .1 | | | | | .6 | 4.2 |
| SSE | .7 | .2 | .1 | | | | | 1.1 | 3.0 |
| S | 1.4 | .9 | .5 | .1 | .4 | .2 | | 3.5 | 6.8 |
| SSW | 1.2 | .7 | .2 | .1 | | | | 2.2 | 4.5 |
| SW | 1.6 | 1.7 | .6 | .2 | | | | 4.0 | 4.8 |
| WSW | 1.8 | 2.4 | .1 | .1 | | | | 4.4 | 3.9 |
| W | 2.1 | 3.6 | 1.1 | .5 | .4 | | | 7.6 | 5.7 |
| WNW | .6 | 3.3 | 3.2 | 2.2 | .9 | .5 | | 17.9 | 9.6 |
| NW | .7 | 2.7 | 4.4 | 2.7 | .7 | | | 11.2 | 8.9 |
| NNW | 1.9 | 1.4 | 1.8 | 1.4 | .2 | | | 7.2 | 7.9 |
| VARIABLE | | | | | | | | | |
| CALM | //////////////////// | | | | | | | 17.5 | //// |
| TOTALS | 29.1 | 27.7 | 19.2 | 13.6 | 3.7 | .9 | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 346

NATIONAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 WSAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/PPC

STATION NUMBER: 770195 STATION NAME: MCGUIRE AFB TX PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS(LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-14 | 15-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | 1.5 | 2.8 | 1.5 | 5.4 | 1.7 | .4 | | | | | | 13.0 | 10.7 |
| NNE | 1.7 | 1.0 | 1.8 | .5 | | .1 | | | | | | 5.9 | 7.0 |
| NE | .7 | 1.7 | 1.7 | 1.7 | | | | | | | | 4.8 | 7.3 |
| NNE | .7 | 1.4 | .6 | .6 | .2 | | | | | | | 3.5 | 7.4 |
| E | .4 | 2.4 | .5 | .5 | .1 | .1 | | | | | | 5.0 | 6.6 |
| ESE | .7 | .7 | .7 | .1 | .1 | | | | | | | 2.4 | 5.8 |
| SE | .1 | .7 | .1 | | | | | | | | | .9 | 4.9 |
| SSE | .5 | .4 | .4 | .1 | | | | | | | | 1.4 | 5.3 |
| S | .4 | .4 | .4 | .7 | .1 | | | | | | | 2.7 | 6.3 |
| SSE | .2 | .4 | 1.7 | .4 | | | | | | | | 3.6 | 7.1 |
| SE | .7 | .4 | .5 | .5 | | | | | | | | 2.5 | 7.3 |
| SSE | .2 | 1.7 | 1.7 | .7 | | | | | | | | 5.6 | 6.8 |
| E | .7 | 1.4 | 3.2 | 1.7 | .1 | .1 | | | | | | 7.3 | 6.9 |
| ESE | .7 | 1.5 | 3.0 | 3.7 | 1.7 | .4 | | | | | | 11.6 | 10.5 |
| SE | .5 | 1.7 | 4.5 | 5.2 | .5 | | | | | | | 13.6 | 9.8 |
| SSE | 1.1 | 1.7 | 2.1 | 3.4 | 1.7 | .5 | | | | | | 9.8 | 10.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.3 | //// |
| TOTALS | 11.4 | 21.1 | 21.4 | 27.7 | 5.7 | 1.0 | | | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS: 996

GLOBAL CLIMATOLOGY BRANCH
 HSAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS (LST): 1200-1400

| DIRECTION (060-225) | 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 | 1.9 | 3.7 | 3.4 | 2.6 | .9 | .7 | | | | | | 12.2 | 9.6 |
| NNE | .6 | 2.4 | 1.5 | .5 | | | | | | | | 5.7 | 6.6 |
| NE | .7 | .9 | 1.4 | 1.2 | | | | | | | | 3.8 | 6.9 |
| ENE | .1 | .4 | 1.4 | .5 | .7 | | | | | | | 2.6 | 9.5 |
| E | .1 | 1.5 | 1.4 | .5 | .1 | .1 | | | | | | 4.7 | 6.1 |
| ESE | .6 | .5 | .7 | .7 | | | | | | | | 2.2 | 6.4 |
| SE | .4 | .7 | .5 | .2 | | | | | | | | 1.7 | 6.6 |
| ESE | .1 | 1.1 | .4 | .5 | | | | | | | | 2.0 | 7.6 |
| S | .7 | .8 | .9 | .9 | | | | | | | | 2.7 | 8.9 |
| SSW | .4 | .5 | .6 | .4 | | | | | | | | 1.8 | 7.7 |
| SW | .7 | .6 | .8 | .7 | | | | | | | | 2.4 | 7.7 |
| WSW | .7 | 1.1 | 2.2 | 1.5 | | | | | | | | 5.1 | 8.8 |
| W | .9 | 3.7 | 2.4 | 2.9 | .4 | .1 | | | | | | 9.6 | 4.6 |
| WNW | .7 | 2.4 | 5.0 | 5.7 | 1.2 | .5 | | | | | | 15.6 | 10.9 |
| W | .9 | 1.7 | 5.5 | 5.1 | 1.7 | .3 | .1 | | | | | 16.3 | 11.4 |
| WNW | 1.7 | 2.4 | 2.6 | 2.7 | 1.1 | .4 | | | | | | 12.5 | 9.8 |
| VARIABLE | | | | | | | | | | | | | |
| CELM | //////////////////// | | | | | | | | | | | 3.2 | //// |
| TOTALS | 9.1 | 22.7 | 32.4 | 26.7 | 5.4 | 2.1 | .1 | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS: 846

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: 714096 STATION NAME: MCGLIRE AFB NJ PERIOD OF RECORD: 78-87
 MONTH: FEB 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 | | |
| N | 1.9 | 2.7 | 2.6 | 1.2 | .9 | .1 | | | 9.7 | 7.6 |
| NNE | .7 | 2.0 | .7 | .5 | | | | | 3.9 | 6.2 |
| NE | .2 | 2.0 | 1.2 | .8 | .1 | .1 | | | 4.5 | 8.0 |
| NNE | .2 | 1.1 | .7 | .6 | .1 | .1 | | | 2.8 | 9.0 |
| E | .2 | 2.0 | 1.5 | .5 | | | | | 4.3 | 6.9 |
| ESE | .1 | 1.3 | .5 | .7 | | | | | 2.1 | 6.3 |
| SE | .2 | .6 | 1.1 | .5 | | | | | 2.4 | 7.8 |
| SSE | .2 | .5 | .4 | .2 | | | | | 1.5 | 7.2 |
| S | .2 | .5 | .6 | .4 | | | | | 1.7 | 7.2 |
| SSW | | .1 | 1.2 | .1 | | | | | 1.8 | 8.1 |
| SW | .5 | .7 | 1.4 | .4 | | | | | 3.0 | 7.1 |
| WSW | .2 | 1.7 | 2.2 | 1.1 | | | | | 4.8 | 8.2 |
| W | 1.7 | 2.4 | 4.4 | 2.4 | .5 | | | | 11.5 | 8.1 |
| WNW | 1.7 | 2.8 | 5.3 | 6.7 | 1.2 | .5 | | | 17.4 | 10.4 |
| W | .7 | 1.7 | 5.6 | 5.1 | 1.1 | .5 | | | 14.5 | 10.7 |
| WNW | .5 | 2.4 | 2.3 | 7.4 | .4 | .2 | .1 | | 11.1 | 9.6 |
| VARIABLE | | | | | | | | | | |
| CYC" | //////////////////////////////////// | | | | | | | | 3.8 | //// |
| TOTALS | 6.7 | 25.7 | 52.6 | 23.7 | 1.7 | 1.7 | .1 | | 100.0 | 8.5 |

TOTAL NUMBER OF OBSERVATIONS: 840

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS(LOCAL): 1800-2000

| DIRECTION (DIRECTION) | 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 | 0.5 | 2.1 | 1.1 | .7 | .1 | | | | | | | 6.5 | 5.5 |
| NNE | .6 | .7 | .7 | .6 | | .1 | | | | | | 2.7 | 7.7 |
| NE | .2 | 1.2 | 2.1 | .1 | | | | | | | | 3.7 | 7.3 |
| NNE | .4 | .8 | .8 | .4 | .1 | | | | | | | 2.5 | 7.7 |
| E | 1.2 | 2.2 | 1.3 | .1 | .1 | | | | | | | 4.7 | 5.6 |
| ESE | 1.2 | 1.3 | .1 | | | | | | | | | 2.5 | 7.4 |
| SE | 1.4 | 1.5 | .2 | .2 | | | | | | | | 3.4 | 4.3 |
| SE | 1.2 | .9 | .2 | .1 | .1 | | | | | | | 2.6 | 4.9 |
| S | 1.4 | 2.7 | .5 | .4 | | | | | | | | 4.4 | 5.0 |
| SSW | 1.4 | .6 | .6 | .1 | .1 | | | | | | | 2.4 | 4.9 |
| SW | 2.4 | 2.0 | 1.2 | .2 | | | | | | | | 5.8 | 5.0 |
| SSW | 1.1 | 3.7 | .8 | .1 | | | | | | | | 5.7 | 4.9 |
| W | 1.4 | 3.6 | 2.6 | .5 | .2 | | | | | | | 9.5 | 6.1 |
| WSW | 1.3 | 4.7 | 4.0 | 1.7 | .8 | .2 | | | | | | 12.4 | 8.1 |
| W | .7 | 4.4 | 4.5 | 1.7 | .4 | .7 | | | | | | 12.3 | 8.7 |
| WNW | 1.1 | 2.1 | 3.1 | 2.7 | 1.2 | .1 | | | | | | 10.3 | 9.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 8.2 | //// |
| TOTALS | 37.9 | 34.0 | 24.3 | 11.2 | 3.2 | 1.7 | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
 WSAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS(UT): 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 | | |
| N | 1.5 | 4.0 | 2.1 | 1.3 | .4 | | | 9.3 | 6.7 |
| NNE | .4 | 1.9 | 1.2 | .6 | .1 | | | 4.1 | 7.6 |
| NE | | .9 | .9 | .6 | | | | 2.5 | 8.0 |
| NNE | .7 | .5 | 1.1 | .7 | .1 | | | 3.1 | 8.1 |
| E | 1.1 | 1.7 | 1.1 | .7 | | | | 4.6 | 5.7 |
| ESE | .7 | .7 | .1 | | | | | 1.1 | 3.1 |
| SE | .9 | .4 | .2 | .1 | | | | 1.7 | 3.9 |
| ESE | .9 | .1 | .1 | .1 | | | | 1.3 | 3.5 |
| S | 1.7 | .8 | .6 | .7 | .1 | | | 3.4 | 5.1 |
| SSW | 2.6 | 2.5 | .6 | .1 | | | | 5.8 | 4.0 |
| SW | 2.1 | 2.5 | .7 | .1 | | | | 5.4 | 4.5 |
| WSW | 2.1 | 1.3 | .4 | .2 | | | | 4.4 | 4.7 |
| W | 2.5 | 3.1 | .8 | .2 | | | | 6.6 | 4.7 |
| WNW | 1.9 | 2.1 | 3.4 | 1.8 | 1.5 | .1 | | 10.4 | 9.5 |
| W | 2.1 | 3.7 | 3.7 | 2.4 | .9 | .7 | | 12.2 | 8.4 |
| WNW | 1.1 | 2.7 | 3.7 | 2.6 | .6 | .1 | | 12.4 | 8.9 |
| VARIABLE | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | 14.2 | //// |
| TOTALS | 21.8 | 27.7 | 20.8 | 11.4 | 3.7 | .5 | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 245

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: 724396 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87
 MONTH: FEB HOURS(LST): 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 | 2.3 | 3.4 | 3.0 | 2.2 | .9 | .1 | | | | | | 11.4 | 7.6 |
| NAC | .6 | 1.7 | 1.1 | .6 | .0 | .0 | | | | | | 4.1 | 7.0 |
| NE | .5 | 1.2 | 1.2 | .7 | .1 | .0 | | | | | | 3.7 | 7.6 |
| NEE | .6 | .9 | .9 | .7 | .1 | .0 | | | | | | 3.3 | 7.9 |
| E | .8 | 1.9 | 1.1 | .9 | .1 | .0 | | | | | | 4.3 | 9.3 |
| ESE | .6 | .6 | .3 | .1 | .0 | | | | | | | 1.6 | 5.0 |
| SE | .7 | .5 | .3 | .2 | | | | | | | | 1.4 | 5.3 |
| SSE | .6 | .9 | .2 | .1 | .0 | | | | | | | 1.4 | 5.4 |
| S | .2 | 1.0 | .6 | .4 | .1 | .0 | | | | | | 3.3 | 6.7 |
| SSW | 1.0 | .9 | .8 | .2 | .0 | | | | | | | 2.8 | 5.5 |
| SW | 1.7 | 1.7 | .9 | .3 | .0 | | | | | | | 3.8 | 5.7 |
| WSW | 1.1 | 1.5 | 1.1 | .5 | | | | | | | | 4.6 | 6.0 |
| W | 1.5 | 2.9 | 2.1 | 1.1 | .2 | .0 | | | | | | 8.2 | 6.7 |
| WSW | 1.1 | 3.0 | 3.7 | 3.1 | 1.0 | .3 | | | | | | 12.3 | 9.7 |
| W | 1.7 | 2.9 | 4.4 | 3.4 | .9 | .0 | .0 | | | | | 12.9 | 9.7 |
| WNW | 1.0 | 2.2 | 2.8 | 2.7 | .6 | .0 | .0 | | | | | 9.7 | 9.2 |
| VARIABLE | | | | | | | | | | | | | |
| CPLM | //////////////////// | | | | | | | | | | | 11.6 | //// |
| TOTALS | 17.7 | 25.6 | 24.9 | 16.6 | 3.7 | 1.1 | .0 | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS: 6767

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 7P-87
 MONTH: MAR 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 | | | GE 56 |
| N | 3.0 | 4.9 | 2.5 | 2.0 | | | | | | | | 12.5 | 6.3 |
| NNE | .3 | .5 | .6 | .4 | | | | | | | | 2.0 | 7.5 |
| NF | .6 | 1.6 | .6 | .4 | .2 | | | | | | | 3.5 | 6.9 |
| ENE | 1.0 | 1.3 | .3 | .5 | | .2 | | | | | | 4.7 | 7.2 |
| E | 1.0 | .8 | .6 | .3 | | | | | | | | 2.7 | 5.6 |
| ESE | .8 | | .3 | .3 | | | | | | | | 1.4 | 6.0 |
| SF | .6 | .5 | .2 | | | | | | | | | 1.4 | 3.7 |
| SSE | .3 | .5 | .3 | .1 | | | | | | | | 1.3 | 5.8 |
| S | 1.7 | 2.0 | 1.6 | .5 | | | | | | | | 6.0 | 5.6 |
| SSW | 1.3 | 1.4 | 2.2 | .5 | .2 | | | | | | | 6.6 | 6.5 |
| SW | 2.2 | 1.7 | .2 | | | | | | | | | 4.1 | 3.6 |
| WSW | 1.3 | 2.0 | .6 | | | | | | | | | 4.7 | 4.4 |
| W | 1.7 | 1.5 | 1.8 | .3 | .1 | | | | | | | 5.2 | 6.1 |
| WNW | .1 | 3.1 | 3.7 | 1.9 | .9 | | | | | | | 9.7 | 9.2 |
| NW | 1.1 | 2.7 | 2.3 | 2.4 | .6 | .1 | | | | | | 9.1 | 8.9 |
| NNW | 1.2 | 3.7 | 3.0 | 1.2 | .3 | | | | | | | 9.3 | 7.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 17.6 | //// |
| TOTALS | 17.7 | 29.7 | 21.1 | 11.1 | 2.4 | .4 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: MAR 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 | | | GE 56 |
| N | 2.4 | 4.7 | 1.8 | 1.8 | .3 | | | | | | | 10.6 | 6.6 |
| NNE | .6 | 1.7 | .6 | .3 | .1 | | | | | | | 3.4 | 6.6 |
| NE | .6 | 1.0 | 1.0 | .4 | .1 | | | | | | | 3.1 | 7.2 |
| NNE | 1.7 | 1.7 | 1.4 | 1.3 | | .2 | .1 | | | | | 6.0 | 7.9 |
| E | 1.1 | .5 | 1.0 | | | | | | | | | 2.6 | 5.1 |
| ESE | .4 | .1 | .6 | .1 | | | | | | | | 1.3 | 6.2 |
| SE | .6 | .7 | .1 | | | | | | | | | 1.1 | 3.6 |
| SSE | 1.1 | .6 | .2 | | | | | | | | | 2.0 | 3.8 |
| S | 1.2 | 1.5 | 1.1 | .5 | | | | | | | | 4.3 | 6.0 |
| SSW | 1.6 | 1.8 | 1.4 | .4 | .2 | | | | | | | 5.9 | 6.6 |
| S | 1.5 | 1.0 | .8 | .4 | | | | | | | | 3.9 | 5.3 |
| SSW | .5 | 1.6 | .2 | .2 | | | | | | | | 2.7 | 5.0 |
| W | 1.4 | 2.2 | 1.9 | 1.1 | .7 | | | | | | | 6.9 | 7.2 |
| WSW | 1.0 | 2.0 | 3.5 | 1.9 | .9 | | | | | | | 10.0 | 8.8 |
| W | 1.7 | 3.0 | 3.0 | 2.1 | .3 | | | | | | | 9.4 | 8.0 |
| WSW | 1.7 | 2.8 | 2.4 | 1.3 | | | | | | | | 8.2 | 6.6 |
| VARIABLE | //////////////////////////////////// | | | | | | | | | | | 18.6 | //// |
| TOTALS | 18.0 | 27.1 | 21.2 | 12.3 | 2.4 | .7 | .1 | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH
 USAFLIAC
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 724096 STATION NAME: MCGLIRE AFB NJ

PERIOD OF RECORD: 79-87
 MONTH: MAR HOURS (LST): 0600-0800

| 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 | | | GE 56 |
| N | 2.5 | 3.0 | 3.5 | 1.5 | .2 | | | | | | | 10.5 | 6.7 |
| NNE | .6 | 1.4 | 1.5 | .9 | .3 | | | | | | | 4.7 | 8.1 |
| NE | .9 | 1.4 | 1.4 | .2 | .1 | | | | | | | 4.0 | 6.3 |
| NNE | .4 | 1.1 | 1.4 | .9 | | .2 | | | | | | 4.0 | 8.8 |
| E | 1.0 | 1.5 | 1.8 | .6 | .1 | .1 | | | | | | 5.2 | 7.5 |
| ESE | 1.1 | | .2 | | | | | | | | | 1.3 | 2.8 |
| SE | .7 | .2 | .9 | | | | | | | | | 1.4 | 6.7 |
| ESE | .9 | .1 | .8 | .1 | | | | | | | | 1.8 | 5.1 |
| S | .9 | 1.5 | .9 | .3 | .2 | | | | | | | 3.8 | 6.4 |
| SSW | .4 | 1.4 | 1.3 | .9 | | | | | | | | 4.0 | 7.6 |
| SW | 1.1 | 1.3 | 1.1 | 1.0 | | | | | | | | 4.4 | 6.5 |
| WSW | 1.0 | 1.2 | .9 | | | | | | | | | 3.0 | 5.1 |
| W | 1.3 | 3.2 | 2.0 | 2.2 | .1 | .2 | | | | | | 9.1 | 7.8 |
| WNW | 1.0 | 2.8 | 2.7 | 2.9 | .3 | .7 | | | | | | 9.9 | 9.1 |
| W | 1.0 | 2.7 | 2.6 | 2.9 | .3 | | | | | | | 9.5 | 8.6 |
| WNW | 1.3 | 2.2 | 2.8 | 1.8 | .1 | | | | | | | 6.2 | 7.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 15.3 | //// |
| TOTALS | 15.7 | 24.9 | 25.8 | 16.0 | 1.8 | .2 | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ITAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: MAR HOURS(LST): 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 | 1.7 | 3.2 | 5.6 | 3.1 | .5 | .1 | | | | | | 14.3 | 8.6 |
| NNE | .6 | 1.0 | 1.9 | .6 | .3 | | | | | | | 4.7 | 8.4 |
| NE | .5 | .9 | 2.0 | .9 | .1 | .3 | | | | | | 4.6 | 9.1 |
| NNE | .3 | 1.0 | 1.9 | 1.2 | .2 | .1 | | | | | | 4.7 | 9.0 |
| E | .2 | 1.0 | 2.3 | 1.7 | .2 | | | | | | | 5.7 | 9.5 |
| ESE | .3 | 1.3 | .6 | | | | | | | | | 2.3 | 5.6 |
| SE | .7 | .3 | .8 | .1 | | | | | | | | 1.9 | 6.4 |
| SSE | .2 | .2 | .6 | .5 | | | | | | | | 2.3 | 7.5 |
| S | .7 | 1.1 | 1.1 | .6 | .2 | .1 | | | | | | 3.5 | 9.1 |
| SSE | .4 | .8 | 1.7 | .4 | .2 | | | | | | | 3.5 | 8.3 |
| SW | .7 | .9 | 1.6 | 1.4 | .5 | | | | | | | 4.6 | 10.3 |
| WSW | .3 | 1.2 | 2.2 | 1.5 | .1 | .7 | | | | | | 5.5 | 9.7 |
| W | .4 | 1.1 | 1.7 | 3.0 | 1.0 | | | | | | | 7.2 | 11.0 |
| WSW | .9 | 1.9 | 2.8 | 3.8 | 1.6 | .5 | | .1 | | | | 11.7 | 11.6 |
| W | 1.1 | 1.6 | 3.0 | 4.7 | .9 | | | | | | | 11.1 | 9.8 |
| WSW | .7 | 1.2 | 3.3 | 3.4 | .6 | | | | | | | 9.7 | 10.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALL | //////////////////// | | | | | | | | | | | 2.6 | //// |
| TOTALS | 3.7 | 2.7 | 33.3 | 27.1 | 6.6 | 1.5 | | .1 | | | | 107.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 704090 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: MAR HOURS(LST): 1200-1400

| DIRECTION (OF 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 | GE 56 | | |
| N | .4 | 1.9 | 5.2 | 1.7 | .6 | | | | | | | 9.5 | 8.7 |
| NNE | .3 | 1.7 | 1.7 | 1.4 | .3 | | | | | | | 5.1 | 8.9 |
| NE | .4 | .8 | 1.0 | .7 | | .1 | | | | | | 3.1 | 8.6 |
| NNE | | .5 | 1.7 | .6 | .3 | | | | | | | 3.2 | 10.1 |
| E | .6 | 1.6 | 1.7 | 1.2 | .5 | | | | | | | 5.7 | 8.9 |
| ESE | .7 | 1.4 | 1.5 | .2 | | | | | | | | 3.4 | 6.6 |
| SE | .7 | .5 | .6 | .1 | | | | | | | | 1.5 | 6.8 |
| SSE | .6 | .7 | 1.0 | .2 | | | | | | | | 2.2 | 6.8 |
| S | .5 | .7 | 2.0 | .5 | .1 | | .1 | | | | | 3.2 | 8.8 |
| SSW | .1 | 1.0 | 1.6 | 1.2 | .1 | | | | | | | 4.0 | 9.2 |
| SW | | .6 | .9 | 1.5 | .5 | | | | | | | 3.5 | 11.5 |
| WSW | .2 | .9 | 2.4 | 1.8 | .3 | | | | | | | 5.6 | 10.1 |
| W | .1 | 2.7 | 3.7 | 2.4 | 1.4 | .2 | | | | | | 11.2 | 10.9 |
| WNW | .5 | 1.4 | 3.7 | 4.5 | 1.7 | .2 | .2 | | | | | 13.7 | 12.2 |
| W | 1.2 | 2.6 | 2.9 | 5.2 | 1.7 | | | | | | | 13.0 | 10.3 |
| WNW | .8 | 1.7 | 3.5 | 3.0 | 1.0 | .3 | | | | | | 10.1 | 10.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.4 | //// |
| TOTALS | 6.9 | 19.6 | 34.6 | 27.3 | 8.2 | 1.5 | .3 | | | | | 100.0 | 9.8 |

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: MAR 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 56 | | |
| N | 1.1 | 3.2 | 3.2 | 2.7 | .5 | .1 | | | | | | 10.9 | 8.8 |
| NNE | .6 | 1.5 | 1.1 | 1.1 | | | | | | | | 4.3 | 8.0 |
| NEL | | 1.1 | .4 | .5 | .1 | | | | | | | 2.2 | 8.4 |
| ENE | .1 | .5 | 1.8 | 1.0 | .3 | | | | | | | 3.9 | 10.1 |
| E | .2 | 1.5 | 1.8 | .9 | | | | | | | | 4.4 | 8.0 |
| ESE | .3 | 1.9 | 1.0 | .2 | .1 | | | | | | | 4.5 | 7.1 |
| SE | .3 | 1.0 | 1.3 | | | | | | | | | 2.6 | 7.0 |
| SSE | .2 | 1.4 | 1.4 | | | | | | | | | 3.0 | 6.6 |
| S | .1 | 1.3 | 2.5 | 1.0 | | | | | | | | 4.8 | 8.4 |
| SSW | .1 | .8 | 1.7 | .6 | .2 | | | | | | | 3.4 | 9.5 |
| SW | .2 | .8 | 1.8 | 1.3 | .3 | .1 | | | | | | 4.5 | 10.2 |
| WSW | .2 | 1.0 | 2.7 | 2.2 | .1 | | | | | | | 6.1 | 9.3 |
| W | .9 | 1.3 | 3.8 | 4.5 | 1.3 | .5 | | | | | | 12.3 | 11.1 |
| WNW | .4 | 1.0 | 2.9 | 4.7 | 1.3 | .9 | | | | | | 11.1 | 12.3 |
| W | .3 | 1.6 | 3.9 | 4.6 | .9 | .2 | | | | | | 11.5 | 11.1 |
| WNW | .4 | 1.4 | 3.4 | 3.5 | .4 | | | | | | | 9.0 | 9.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.6 | //// |
| TOTALS | 5.6 | 21.2 | 35.7 | 26.6 | 5.6 | 1.7 | | | | | | 100.0 | 9.6 |

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIP WEATHER SERVICE/PAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: MAR HOURS(LST): 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 | | |
| N | 1.5 | 2.4 | 3.0 | 1.6 | .4 | .1 | | 9.0 | 8.1 |
| NNE | .1 | .0 | 1.1 | 1.2 | | | | 2.4 | 10.0 |
| NE | .3 | .5 | 1.0 | .2 | | .1 | | 2.2 | 8.2 |
| ENE | .4 | .4 | 1.0 | 1.2 | .1 | | | 3.4 | 8.9 |
| E | .9 | 1.4 | 1.3 | .4 | | .1 | | 4.5 | 6.6 |
| ESE | 1.7 | 1.1 | .8 | | .2 | | | 3.3 | 5.1 |
| SE | .5 | 1.7 | .4 | .4 | | | | 3.3 | 5.6 |
| SSE | 2.3 | 2.4 | .2 | .1 | | | | 4.9 | 4.2 |
| S | 1.0 | 4.6 | 3.1 | .3 | | | | 9.7 | 5.6 |
| SSW | 1.6 | 1.9 | 1.1 | .2 | | | | 4.9 | 5.3 |
| SW | .4 | 1.4 | .9 | .3 | .1 | .1 | | 3.4 | 7.2 |
| WSW | .6 | 1.6 | 1.3 | | | | | 3.5 | 5.7 |
| W | 1.5 | 4.7 | 2.6 | 1.7 | .3 | .2 | | 12.3 | 7.3 |
| WNW | 1.0 | 2.0 | 2.7 | 2.5 | .5 | .3 | | 9.3 | 9.8 |
| NW | 1.7 | 2.7 | 5.5 | 2.3 | .1 | .1 | | 11.9 | 8.3 |
| NNW | .5 | 2.5 | 2.4 | 1.7 | .1 | | | 7.4 | 8.0 |
| VARIABLE | | | | | | | | | |
| CALM | //////////////////// | | | | | | | 6.1 | //// |
| TOTALS | 14.7 | 32.2 | 24.2 | 13.9 | 1.9 | 1.1 | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS: 230

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: MAR 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 | | | GE 56 |
| N | 1.9 | 2.8 | 5.2 | 2.9 | .2 | | | | | | | 13.0 | 8.1 |
| NNE | .4 | .6 | .9 | .9 | | | | | | | | 2.8 | 8.3 |
| NE | .4 | 1.1 | .8 | .6 | | .1 | | | | | | 2.9 | 7.4 |
| NNE | 1.0 | 1.2 | .5 | .1 | | .4 | | | | | | 3.2 | 7.7 |
| E | 1.7 | 1.0 | .5 | .6 | | | | | | | | 3.9 | 5.4 |
| ESE | .9 | .2 | .2 | .2 | | | | | | | | 1.6 | 5.0 |
| SE | 1.4 | .4 | | .1 | | | | | | | | 1.9 | 2.9 |
| ESE | 1.4 | 1.1 | .4 | | | | | | | | | 2.9 | 4.3 |
| S | 2.3 | 3.0 | 3.0 | .6 | .1 | | | | | | | 8.9 | 6.2 |
| SSW | 1.3 | 3.0 | 1.1 | .3 | .1 | | | | | | | 6.5 | 5.2 |
| SW | 1.8 | 2.5 | .9 | .1 | .1 | | | | | | | 5.4 | 4.9 |
| WSW | .5 | 1.0 | .2 | .3 | | | | | | | | 2.0 | 6.2 |
| W | 1.7 | 2.7 | 2.4 | 1.6 | .2 | | | | | | | 8.2 | 7.4 |
| WNW | .7 | 2.0 | 2.8 | 1.6 | .3 | .3 | | | | | | 7.4 | 9.4 |
| W | .9 | 3.1 | 1.9 | 1.4 | .3 | .2 | | | | | | 7.7 | 8.0 |
| WNW | .8 | 2.3 | 2.5 | 1.7 | .3 | | | | | | | 7.4 | 8.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 14.1 | //// |
| TOTALS | 16.7 | 28.1 | 23.3 | 17.0 | 1.7 | 1.1 | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS: 250

GLOBAL CLIMATOLOGY BRANCH
 USAF/AFAC
 AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 74096 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 7P-97
 MONTH: MAR HOURS(LST): ALL

| DIRECTION (DDUUUU) | 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 | 1.8 | 3.7 | 3.7 | 7.1 | 4 | 0 | | | | | | 11.3 | 7.7 |
| NNE | 4.5 | 1.2 | 1.1 | 4.5 | 4.1 | | | | | | | 3.7 | 6.3 |
| NW | 2.5 | 1.7 | 1.0 | 4.5 | 4.1 | 4.1 | | | | | | 3.2 | 7.7 |
| ENE | 4.6 | 1.3 | 1.3 | 4.4 | 4.1 | 4.7 | 4.0 | | | | | 4.0 | 6.7 |
| E | 4.9 | 1.2 | 1.4 | 4.7 | 4.1 | 4.7 | | | | | | 4.3 | 7.4 |
| ESE | 4.7 | 4.5 | 4.8 | 4.1 | 4.0 | | | | | | | 2.4 | 5.9 |
| SE | 4.5 | 4.7 | 4.5 | 4.1 | | | | | | | | 1.9 | 5.5 |
| ESE | 4.9 | 4.9 | 4.6 | 4.1 | | | | | | | | 2.6 | 5.3 |
| S | 1.1 | 2.0 | 1.9 | 4.6 | 4.1 | 4.7 | 4.0 | | | | | 5.6 | 6.7 |
| SSW | 4.9 | 1.6 | 1.5 | 4.6 | 4.1 | | | | | | | 4.9 | 7.0 |
| SW | 4.7 | 1.7 | 1.0 | 4.5 | 4.2 | 4.7 | | | | | | 4.2 | 7.4 |
| WSW | 4.6 | 1.7 | 1.7 | 4.6 | 4.1 | 4.7 | | | | | | 4.1 | 7.6 |
| W | 1.7 | 2.7 | 2.5 | 2.7 | 4.6 | 4.1 | | | | | | 6.8 | 6.9 |
| WNW | 4.7 | 2.7 | 3.1 | 3.7 | 4.9 | 4.4 | 4.7 | 4.7 | | | | 12.3 | 10.5 |
| NW | 1.7 | 2.7 | 3.1 | 3.1 | 4.6 | 4.1 | | | | | | 17.4 | 9.3 |
| NNW | 4.9 | 1.1 | 2.9 | 2.7 | 4.9 | 4.7 | | | | | | 8.6 | 8.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 9.7 | //// |
| TOTALS | 27.1 | 24.4 | 27.6 | 19.7 | 7.8 | 14.7 | 4.1 | 4.7 | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GENERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: APR 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 | | | GE 56 |
| 0 | .7 | 3.2 | 2.0 | .9 | | | | | | | | 6.7 | 6.8 |
| 090 | .0 | .9 | .4 | .6 | | | | | | | | 2.1 | 7.2 |
| 095 | .8 | 1.0 | .9 | .6 | | | | | | | | 3.8 | 7.0 |
| 100 | 14.1 | 1.9 | 1.3 | .6 | .1 | | | | | | | 5.0 | 6.2 |
| 105 | 14.5 | 2.0 | 1.7 | .8 | | | | | | | | 6.2 | 6.1 |
| 110 | .9 | .7 | .4 | .4 | | | | | | | | 2.4 | 5.8 |
| 115 | .0 | .0 | .7 | .1 | | | | | | | | 1.7 | 6.7 |
| 120 | .0 | .6 | .1 | .3 | | | | | | | | 2.0 | 5.2 |
| 125 | 24.0 | 1.4 | .9 | .4 | .1 | | | | | | | 4.8 | 5.3 |
| 130 | 7.6 | 2.0 | 1.0 | .1 | | | | | | | | 5.7 | 4.1 |
| 135 | 1.4 | 1.7 | 1.2 | | | | | | | | | 4.3 | 4.9 |
| 140 | 1.6 | .5 | .6 | | | | | | | | | 3.7 | 4.2 |
| 145 | 14.5 | 2.9 | 2.7 | .9 | .6 | | | | | | | 7.8 | 7.1 |
| 150 | 14.0 | 2.5 | 2.3 | 1.4 | .1 | .1 | | | | | | 8.4 | 7.3 |
| 155 | .1 | 2.7 | 2.0 | .5 | .3 | .1 | | | | | | 6.8 | 7.8 |
| 160 | 14.7 | 2.3 | 2.6 | 1.1 | | | | | | | | 7.1 | 7.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 22.2 | //// |
| TOTALS | 19.7 | 27.4 | 20.7 | 9.0 | 1.7 | .7 | | | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 WPAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 774396 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 78-87
 MONTH: APR 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 | 48-56 | | |
| N | .7 | 1.9 | 2.4 | .1 | | | | | | | 5.1 | 6.7 |
| NNE | .1 | 1.1 | .2 | .2 | | | | | | | 1.7 | 6.5 |
| NE | 1.1 | 1.4 | 1.1 | .7 | | | | | | | 4.3 | 6.3 |
| NNE | 1.2 | 1.7 | 1.9 | .3 | | | | | | | 4.8 | 6.2 |
| E | 1.3 | 3.1 | 1.9 | 1.1 | | | | | | | 7.4 | 6.4 |
| ESE | .4 | .7 | .1 | .7 | | | | | | | 1.2 | 6.8 |
| SE | .9 | .4 | .6 | | | | | | | | 1.8 | 4.8 |
| ESE | .4 | .7 | .7 | .7 | | | | | | | 1.1 | 6.0 |
| S | 1.6 | 1.1 | .6 | .2 | | | | | | | 3.4 | 4.5 |
| SEW | 1.2 | 1.7 | 1.4 | .3 | | | | | | | 4.9 | 5.5 |
| SW | 2.7 | 2.3 | .2 | .1 | | | | | | | 4.7 | 3.9 |
| WSW | 1.2 | .5 | .8 | | | | | | | | 2.9 | 4.7 |
| W | 1.2 | 3.1 | 1.8 | 1.0 | .1 | | | | | | 7.7 | 6.2 |
| WNW | 2.7 | 3.2 | 2.2 | 2.0 | .3 | | | | | | 9.8 | 7.3 |
| W | 1.2 | 2.9 | 2.3 | 1.1 | .3 | | | | | | 7.7 | 7.6 |
| WNW | 1.1 | 1.8 | 1.6 | .4 | | | | | | | 4.9 | 6.2 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | 26.1 | //// |
| TOTALS | 18.4 | 24.6 | 19.3 | 8.2 | .8 | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 714096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: APR HOURS(LSII): 0600-0800

| 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 | | | GE 56 |
| N | 1.5 | 2.0 | 3.2 | 1.0 | .1 | | | | | | | 8.4 | 7.0 |
| NNE | 1.1 | 1.1 | .9 | .6 | | | | | | | | 3.7 | 6.2 |
| NE | .6 | 1.4 | 1.2 | .7 | .1 | .1 | | | | | | 4.2 | 6.0 |
| NNE | 1.7 | 1.9 | 2.2 | 1.1 | .1 | | | | | | | 6.3 | 7.4 |
| E | 1.1 | 1.7 | 2.6 | 1.4 | | | | | | | | 6.1 | 7.0 |
| ESE | .9 | .7 | .7 | .1 | | | | | | | | 2.0 | 5.4 |
| SE | 1.7 | .7 | .2 | .2 | | | | | | | | 2.7 | 5.4 |
| SSE | .1 | .7 | .9 | | | | | | | | | 2.1 | 5.7 |
| S | 1.7 | 1.1 | .7 | .2 | | | | | | | | 3.0 | 5.6 |
| SSE | .6 | 1.4 | 1.2 | .2 | .1 | | | | | | | 3.9 | 6.3 |
| SE | .5 | 1.6 | 1.3 | .4 | | | | | | | | 3.9 | 6.6 |
| SSE | .7 | 1.7 | 1.4 | .3 | .1 | | | | | | | 4.4 | 6.5 |
| E | 1.4 | 1.4 | 1.3 | 1.0 | .7 | | | | | | | 6.1 | 7.4 |
| ENE | 1.0 | 1.4 | 1.9 | 1.1 | | .1 | | | | | | 6.8 | 8.1 |
| NE | 1.7 | 1.9 | 3.0 | 1.4 | .7 | | | | | | | 6.9 | 8.7 |
| NNE | .7 | 1.7 | 1.7 | 1.1 | | | | | | | | 4.4 | 7.4 |
| VARIABLE | | | | | | | | | | | | | |
| CUM | //////////////////// | | | | | | | | | | | 15.2 | //// |
| TOTALS | 15.7 | 24.7 | 29.1 | 17.7 | 1.2 | .2 | | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS: 300

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: 724396 STATION NAME: MCGUIRE AFB NJ PERIOD OF RECORD: 78-87
 MONTH: APR HOURS (LST): 0900-1100

| DIRECTION (GLOBES) | 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 | .9 | 2.7 | 3.2 | 1.8 | .2 | .1 | | | | | | 8.2 | 8.6 |
| NNE | .9 | 1.4 | 1.1 | .7 | | | | | | | | 4.1 | 6.9 |
| NE | .7 | 1.0 | 1.0 | 1.0 | .2 | | | | | | | 4.8 | 8.2 |
| ENE | .4 | 1.3 | 2.4 | 1.0 | .1 | .1 | | | | | | 5.4 | 8.6 |
| E | .7 | 1.9 | 4.8 | 2.7 | .3 | | | | | | | 9.9 | 8.6 |
| ESE | .6 | 1.0 | 1.1 | .3 | | | | | | | | 3.0 | 6.6 |
| SE | .3 | 1.1 | 1.2 | .2 | | | | | | | | 2.9 | 6.9 |
| SSE | .7 | .6 | .7 | .2 | | | | | | | | 2.1 | 5.8 |
| S | .7 | 1.4 | 1.3 | .4 | | | | | | | | 3.7 | 6.7 |
| SSW | .7 | .9 | 1.1 | .7 | | | | | | | | 2.9 | 6.4 |
| SW | .6 | 1.2 | 1.2 | 1.6 | .2 | | | | | | | 5.0 | 9.2 |
| WSW | .2 | 1.4 | 1.8 | .7 | | | | | | | | 4.1 | 7.6 |
| W | 1.7 | 2.7 | 2.6 | 2.7 | .4 | .2 | | | | | | 10.7 | 9.2 |
| WNW | 1.3 | 1.4 | 2.2 | 1.0 | .4 | .2 | | | | | | 9.7 | 9.6 |
| W | 1.2 | 2.5 | 3.0 | 4.1 | 1.0 | .1 | | | | | | 12.3 | 9.7 |
| WNW | .2 | 2.0 | 3.1 | 2.5 | | .1 | | | | | | 8.9 | 9.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.4 | //// |
| TOTALS | 11.7 | 23.6 | 34.6 | 21.1 | 1.0 | 1.2 | | | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS: 900

CLIMAT CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 73-87
 MONTH: APR 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 | | |
| N | .3 | 1.2 | 2.6 | 1.9 | | | | | 6.0 | 8.9 |
| NNE | .3 | .8 | 1.4 | .4 | | | | | 3.0 | 7.7 |
| NE | .8 | 1.7 | 1.0 | .1 | .1 | | | | 3.3 | 6.0 |
| NNE | .6 | .9 | 2.0 | .9 | .6 | | | | 4.9 | 9.4 |
| E | 1.7 | 2.2 | 3.6 | 2.1 | .4 | | | | 9.7 | 8.3 |
| ESE | .2 | 1.4 | 1.8 | .2 | | | | | 3.7 | 6.8 |
| SE | .7 | .4 | 1.6 | .2 | | | | | 2.6 | 7.6 |
| SSE | .1 | .7 | .7 | .1 | .1 | | | | 1.7 | 8.0 |
| S | .7 | 1.0 | 2.0 | 1.0 | .1 | | | | 4.4 | 8.9 |
| SSW | .2 | .4 | 1.7 | 1.7 | .6 | | | | 4.6 | 11.1 |
| SW | .4 | .4 | 2.4 | 2.0 | .4 | | | | 5.2 | 10.4 |
| WSW | .7 | 1.2 | 2.2 | .4 | .2 | | | | 4.3 | 8.6 |
| W | 1.1 | 2.2 | 5.0 | 3.1 | .7 | | | | 12.1 | 9.3 |
| WNW | .7 | 3.4 | 3.4 | 5.3 | 1.7 | .4 | .1 | | 15.2 | 11.0 |
| NW | .3 | 1.4 | 4.6 | 3.6 | 1.2 | .1 | | | 11.2 | 13.6 |
| NNW | .4 | 1.7 | 1.6 | 2.4 | .3 | .2 | | | 5.7 | 10.1 |
| VARIABLE | | | | | | | | | | |
| CAL" | | | | | | | | | .9 | //// |
| TOTALS | 7.8 | 21.0 | 37.4 | 25.0 | 5.4 | .2 | .1 | | 100.7 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS: 900

USUAL CLIMATOLOGY BRANCH
USAF/CIAG
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724794 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: APR HOURS/DAY: 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 | 1.1 | 1.1 | 1.6 | 2.2 | .1 | | | | | | | 6.2 | 8.7 |
| NNE | .3 | 1.0 | .4 | .1 | | | | | | | | 2.1 | 5.4 |
| NE | .7 | 2.2 | 1.4 | | | | | | | | | 4.3 | 6.1 |
| ENE | .4 | 1.3 | 2.2 | .6 | .1 | | | | | | | 4.7 | 7.5 |
| E | .6 | 1.7 | 4.2 | 1.6 | | | | | | | | 7.1 | 12.7 |
| ESE | .7 | 1.1 | 1.7 | 1.1 | .1 | | | | | | | 4.7 | 12.8 |
| SE | .1 | 1.9 | 2.3 | .7 | | | | | | | | 4.0 | 7.6 |
| SSE | .1 | 1.1 | 1.1 | .4 | | | | | | | | 2.7 | 5.6 |
| S | .7 | 1.2 | 1.9 | 1.1 | .2 | .1 | | | | | | 3.2 | 8.5 |
| SSW | .3 | .6 | 1.8 | 1.4 | .2 | | | | | | | 4.3 | 12.8 |
| SW | .2 | 1.4 | 2.0 | 1.7 | .4 | | | | | | | 5.1 | 12.4 |
| WSW | .7 | 1.1 | .7 | 1.7 | .1 | | | | | | | 4.4 | 12.5 |
| W | 1.0 | 3.7 | 4.4 | 3.6 | .2 | .1 | | | | | | 12.7 | 22.7 |
| WNW | .7 | 2.7 | 2.6 | 5.4 | 1.7 | .3 | .2 | | | | | 17.7 | 11.7 |
| W | .8 | 2.7 | 4.8 | 3.7 | .9 | | | | | | | 12.6 | 22.8 |
| WNW | .1 | 1.7 | 1.9 | 2.2 | .2 | .1 | | | | | | 5.9 | 12.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.3 | //// |
| TOTALS | 4.0 | 23.7 | 35.1 | 26.7 | 4.3 | .7 | .2 | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS: 906

GLOBAL CLIMATOLOGY BRANCH
 HAFETAC
 AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 74096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: APR HOURS(LST): 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 | .8 | 1.8 | 1.7 | 1.2 | .2 | | | | | | | 5.7 | 8.1 |
| NNE | .1 | 1.1 | .7 | | | | | | | | | 1.9 | 5.8 |
| NE | .7 | .9 | .3 | .3 | | | | | | | | 2.2 | 6.0 |
| NNE | .4 | 1.7 | 1.2 | .4 | | | | | | | | 3.9 | 6.7 |
| E | 1.0 | 3.9 | 3.1 | .6 | | | | | | | | 8.6 | 6.4 |
| ESE | 1.4 | 1.6 | 1.6 | .1 | | | | | | | | 4.7 | 5.5 |
| E | 1.6 | 1.7 | 1.0 | .2 | | | | | | | | 4.4 | 5.2 |
| ESE | 2.1 | 2.3 | .8 | .2 | | | | | | | | 5.3 | 4.7 |
| S | 1.0 | 5.3 | 2.2 | .4 | .1 | | | | | | | 10.3 | 5.4 |
| SSE | .8 | 1.6 | 1.4 | .7 | | | | | | | | 4.4 | 6.7 |
| S | .7 | 2.2 | 1.2 | .6 | | | | | | | | 4.9 | 6.4 |
| SSE | 1.1 | 3.1 | 1.2 | .4 | | | | | | | | 5.9 | 5.9 |
| S | 1.5 | 3.0 | 2.7 | .8 | .2 | | | | | | | 8.6 | 6.6 |
| SSE | 1.0 | 2.0 | 2.6 | 1.5 | .6 | .1 | | | | | | 8.3 | 8.8 |
| SW | .4 | 2.9 | 4.3 | .4 | 1.0 | .1 | | | | | | 9.6 | 8.9 |
| SSW | 1.7 | 1.7 | 3.4 | .4 | .1 | .1 | | | | | | 7.4 | 7.5 |
| | | | | | | | | | | | | | |
| Variable | //////////////////////////////////// | | | | | | | | | | | 4.8 | //// |
| TOTALS | 17.2 | 34.6 | 29.8 | 9.6 | 2.2 | .3 | | | | | | 100.0 | 6.4 |
| | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 300

GENERAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72490 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-97
 MONTH: APR HOURS (LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL Σ | 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 | 3.1 | 1.3 | 1.1 | .2 | | | | | | | 6.4 | 7.1 |
| NNE | .2 | 1.0 | .3 | | | | | | | | | 1.7 | 5.4 |
| NE | .3 | 1.7 | 1.1 | .4 | | | | | | | | 3.6 | 6.7 |
| NNE | .6 | 2.9 | 1.4 | .2 | | | | | | | | 4.1 | 6.5 |
| E | 1.1 | 2.3 | 1.7 | .7 | | | | | | | | 5.8 | 6.4 |
| ESE | 1.3 | 1.3 | .7 | .2 | | | | | | | | 3.6 | 4.5 |
| SE | 1.3 | .6 | .6 | .4 | | | | | | | | 2.9 | 5.5 |
| SSE | 1.7 | .4 | .2 | .2 | | | | | | | | 2.6 | 4.3 |
| S | 3.4 | 3.0 | 1.9 | .2 | | | | | | | | 8.9 | 4.7 |
| SSE | 1.4 | 3.1 | 1.7 | .5 | | | | | | | | 7.1 | 5.5 |
| SW | 1.3 | 2.7 | .9 | .1 | | | | | | | | 5.0 | 4.7 |
| WSW | 1.6 | 2.1 | .5 | .2 | | | | | | | | 4.4 | 4.9 |
| W | 1.6 | 1.9 | 1.6 | .8 | | | | | | | | 5.9 | 6.3 |
| WSW | 1.2 | 2.4 | 2.6 | 1.4 | .6 | | | | | | | 8.2 | 7.9 |
| SW | 1.1 | 2.7 | 2.3 | 1.4 | .3 | .1 | .1 | | | | | 7.3 | 4.6 |
| WSW | .9 | 2.1 | 2.8 | 1.6 | | | | | | | | 7.3 | 7.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 15.0 | //// |
| TOTALS | 20.2 | 22.9 | 21.9 | 9.7 | 1.1 | .1 | .1 | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS: 900

U.S. AIR FORCE CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 WAFB/TAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 774 96 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: APR 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 | | | GE 56 |
| 0 | .0 | 0.1 | 0.2 | 1.3 | .1 | .0 | | | | | | 6.6 | 7.7 |
| 090 | .4 | 1.1 | .7 | .3 | | | | | | | | 2.5 | 6.5 |
| 90 | .7 | 1.7 | 1.1 | .5 | .1 | .0 | | | | | | 3.7 | 6.9 |
| 135 | .7 | 1.5 | 1.9 | .6 | .1 | .0 | | | | | | 4.9 | 7.4 |
| 180 | 1.1 | 2.6 | 2.9 | 1.3 | .1 | | | | | | | 8.0 | 7.3 |
| 135 | .7 | 1.7 | 1.0 | .4 | .0 | | | | | | | 3.1 | 6.3 |
| 090 | .7 | .5 | 1.0 | .0 | | | | | | | | 2.9 | 6.2 |
| 090 | .4 | .4 | .6 | .0 | .0 | | | | | | | 2.5 | 5.7 |
| 0 | 1.5 | 2.0 | 1.4 | .5 | .1 | .0 | | | | | | 5.5 | 6.1 |
| 135 | 1.1 | 1.4 | 1.4 | .7 | .1 | | | | | | | 4.7 | 6.9 |
| 090 | .9 | 1.7 | 1.3 | .7 | .1 | | | | | | | 4.8 | 7.1 |
| 090 | 1.7 | 1.4 | 1.2 | .5 | .1 | | | | | | | 4.1 | 6.5 |
| 0 | 1.4 | 2.6 | 3.0 | 1.0 | .3 | .1 | | | | | | 9.2 | 7.9 |
| 090 | 1.1 | 2.7 | 2.7 | 2.9 | .7 | .0 | .0 | | | | | 17.3 | 9.3 |
| 090 | .9 | 2.4 | 3.2 | 2.3 | .7 | .1 | .0 | | | | | 9.5 | 9.1 |
| 090 | .8 | 1.8 | 2.3 | 1.6 | .1 | .1 | | | | | | 6.6 | 8.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 11.1 | //// |
| TOTALS | 19.5 | 27.2 | 28.1 | 15.2 | 2.5 | .4 | .1 | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS: 7700

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724791 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0000-0200

| DIRECTION (DIRECTION) | 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 | 2.3 | 2.7 | 1.4 | .1 | | | | | | | | 6.5 | 5.0 |
| NNE | .9 | .9 | 1.4 | .1 | | | | | | | | 3.2 | 5.9 |
| NW | .9 | .9 | .3 | .1 | | | | | | | | 2.2 | 4.9 |
| ENE | .6 | .9 | 1.5 | .6 | | | | | | | | 3.7 | 7.1 |
| E | 1.5 | 1.2 | 1.3 | .9 | | | | | | | | 4.4 | 5.8 |
| ESE | 1.3 | .6 | .2 | | | | | | | | | 2.2 | 3.6 |
| SE | 1.7 | .2 | .1 | | | | | | | | | 2.0 | 2.9 |
| SSE | 1.1 | 1.0 | .9 | | | | | | | | | 2.7 | 4.2 |
| S | 2.6 | 1.6 | 1.6 | | | | | | | | | 5.8 | 4.3 |
| SSW | 2.3 | 3.7 | 1.1 | .2 | | | | | | | | 7.7 | 4.7 |
| SW | 4.3 | 3.8 | .8 | .9 | | | | | | | | 9.2 | 4.3 |
| WSW | 2.4 | 2.5 | .2 | | | | | | | | | 5.1 | 3.9 |
| W | 2.4 | 3.7 | .5 | | | | | | | | | 6.6 | 4.0 |
| WNW | 1.2 | .9 | .3 | .2 | | | | | | | | 2.7 | 5.4 |
| W | 1.7 | 1.2 | .1 | .3 | .1 | | | | | | | 3.4 | 5.5 |
| WNW | 1.1 | 2.7 | 1.9 | .1 | | | | | | | | 4.7 | 5.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 28.0 | //// |
| TOTALS | 28.4 | 27.6 | 23.1 | 2.7 | .1 | | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIP WEATHER SERVICE/MAC

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

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: MAY HOURS(IST): 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 | | | GE 56 |
| N | 2.9 | 3.4 | 1.8 | | | | | | | | | 8.2 | 4.6 |
| NNE | 1.9 | .7 | .2 | .3 | | | | | | | | 2.8 | 4.0 |
| NE | 1.1 | 1.2 | .6 | .5 | | | | | | | | 3.5 | 6.3 |
| ENE | 1.3 | 1.7 | 1.8 | .4 | | | | | | | | 5.3 | 5.9 |
| E | 1.2 | .9 | .5 | .2 | | | | | | | | 2.8 | 4.7 |
| ESE | 1.2 | .4 | .2 | | | | | | | | | 1.9 | 3.6 |
| SE | 1.2 | .4 | | | | | | | | | | 1.6 | 2.5 |
| SSE | 1.1 | 1.3 | .5 | | | | | | | | | 2.9 | 4.6 |
| S | 1.9 | 1.0 | 1.0 | | | | | | | | | 3.9 | 4.4 |
| SSW | 2.7 | 1.8 | 1.4 | .2 | | | | | | | | 5.5 | 5.1 |
| SW | 2.7 | 2.5 | .8 | .2 | | | | | | | | 6.1 | 4.4 |
| WSW | 1.4 | 1.5 | .2 | | | | | | | | | 4.7 | 3.9 |
| W | 2.7 | 2.6 | .5 | | | | | | | | | 5.8 | 3.8 |
| WNW | .6 | 1.4 | 1.0 | .5 | | | | | | | | 3.5 | 6.6 |
| W | 1.7 | 2.7 | 1.1 | .2 | | | | | | | | 4.6 | 5.2 |
| WNW | 1.3 | 1.1 | 1.0 | .2 | | | | | | | | 3.5 | 5.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 34.7 | //// |
| TOTALS | 26.7 | 23.9 | 13.7 | 2.9 | | | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS: 932

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: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: MAY HOURS(LOCAL): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-2 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 1.9 | 3.1 | 4.2 | .6 | | | | | | | | 9.9 | 6.2 |
| NNE | 1.4 | 1.5 | 2.3 | .6 | | | | | | | | 5.8 | 6.6 |
| NE | 1.1 | 1.2 | 1.4 | .9 | | | | | | | | 4.5 | 6.5 |
| ENE | 1.0 | 1.2 | 2.3 | .6 | | | | | | | | 5.8 | 6.4 |
| E | 1.6 | 2.4 | .5 | .2 | | | | | | | | 4.8 | 4.7 |
| ESE | 1.1 | .9 | .4 | .1 | | | | | | | | 2.5 | 4.7 |
| SE | 1.0 | .7 | .2 | | | | | | | | | 2.2 | 3.9 |
| SSE | 1.4 | 1.4 | .3 | | | | | | | | | 3.1 | 3.9 |
| S | 2.2 | 2.2 | .9 | .5 | | | | | | | | 5.7 | 5.0 |
| SSW | 2.0 | 2.0 | 1.4 | .5 | | | | | | | | 6.0 | 5.4 |
| SW | 1.9 | 2.2 | 2.8 | .4 | | | | | | | | 7.3 | 6.1 |
| WSW | 2.2 | 2.6 | 1.2 | .2 | | | | | | | | 6.1 | 5.0 |
| W | 1.1 | 2.4 | 1.7 | .7 | | | | | | | | 6.1 | 6.0 |
| WSW | .9 | 2.2 | 1.1 | 1.7 | | | | | | | | 5.8 | 7.1 |
| W | .9 | 2.7 | 1.2 | .9 | | | | | | | | 5.7 | 6.7 |
| WNW | 1.3 | 1.6 | 1.1 | .5 | .1 | | | | | | | 4.8 | 6.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALC | //////////////////////////////////// | | | | | | | | | | 14.4 | //// | |
| TOTALS | 22.4 | 30.2 | 23.1 | 6.6 | .1 | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS: 929

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-P7
 MONTH: MAY HOURS (LST): 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 | 1.4 | 2.6 | 3.1 | 1.9 | | | | | | | | 9.0 | 7.6 |
| NNE | .9 | 2.0 | 1.5 | 1.0 | .2 | | | | | | | 5.8 | 7.8 |
| NE | .9 | 2.0 | 2.2 | 1.0 | | | | | | | | 6.0 | 7.2 |
| ENE | .9 | 1.6 | 1.7 | .2 | .1 | | | | | | | 4.5 | 6.1 |
| E | 1.4 | 2.2 | 1.7 | 1.1 | | | | | | | | 6.3 | 6.5 |
| ESE | 1.0 | 1.6 | 1.0 | .1 | .2 | | | | | | | 3.9 | 6.0 |
| SE | .6 | 1.4 | .6 | | | | | | | | | 2.7 | 5.2 |
| SSE | .2 | .7 | 1.7 | .3 | | | | | | | | 3.5 | 6.5 |
| S | .6 | 1.0 | 2.0 | .2 | | | | | | | | 3.7 | 6.6 |
| SSW | .9 | 1.6 | 1.3 | .8 | | | | | | | | 4.5 | 6.9 |
| SW | .4 | 1.6 | 3.2 | 1.5 | .1 | | | | | | | 6.7 | 8.7 |
| WSW | 1.1 | 2.4 | 3.2 | 1.3 | .1 | | | | | | | 8.1 | 7.5 |
| W | 1.6 | 2.6 | 4.1 | 3.7 | .7 | | | | | | | 12.4 | 7.4 |
| WNW | 1.7 | 2.2 | 2.6 | 1.7 | .2 | | | | | | | 7.6 | 8.0 |
| W | 1.4 | 2.3 | 2.0 | 1.0 | .1 | | | | | | | 7.4 | 7.7 |
| WNW | 1.6 | 1.6 | 2.4 | 1.2 | | | | | | | | 6.9 | 7.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.9 | //// |
| TOTALS | 16.5 | 29.5 | 34.2 | 15.7 | 1.4 | | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GENERAL CLIMATOLOGY BRANCH
 USFSLTAC
 AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 78-87
 MONTH: MAY 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 | GE 56 | | |
| N | 1.7 | 2.7 | 3.7 | .6 | .1 | | | | | | | 7.7 | 7.2 |
| NNE | .9 | 1.1 | 1.6 | 1.0 | | | | | | | | 4.5 | 7.6 |
| NE | .6 | 1.0 | 1.9 | .6 | | | | | | | | 4.2 | 7.2 |
| NNE | 1.0 | .9 | 1.9 | .6 | | | | | | | | 4.4 | 7.1 |
| E | .9 | 1.5 | 2.6 | .6 | .1 | | | | | | | 5.6 | 7.5 |
| ESE | 1.6 | 1.8 | 1.3 | .2 | | | | | | | | 5.1 | 5.6 |
| SE | .5 | 1.2 | .9 | | | | | | | | | 2.6 | 5.3 |
| ESE | .9 | 1.7 | 1.1 | .4 | | | | | | | | 3.2 | 6.9 |
| S | .6 | .8 | 2.3 | .4 | | | | | | | | 4.5 | 7.7 |
| SSW | | 1.0 | 1.5 | 1.1 | .1 | | | | | | | 3.7 | 9.0 |
| SW | .9 | .9 | 3.5 | 1.6 | .5 | | | | | | | 7.1 | 9.7 |
| SSW | .5 | 2.7 | 3.7 | 2.8 | | .1 | | | | | | 9.7 | 9.0 |
| W | 1.4 | 4.1 | 4.4 | 2.4 | .7 | | | | | | | 13.7 | 7.9 |
| WNW | .9 | 2.2 | 2.6 | 2.5 | .5 | | | | | | | 5.0 | 9.9 |
| W | .3 | 3.1 | 3.0 | 2.7 | .6 | | | | | | | 9.7 | 9.8 |
| WNW | .9 | 1.4 | 1.7 | 1.0 | .1 | | | | | | | 4.6 | 7.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALC | //////////////////// | | | | | | | | | | | 2.3 | //// |
| TOTALS | 12.2 | 26.1 | 37.1 | 14.1 | 2.1 | .1 | | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS: 93

GLD370 CLIMATOLOGY BRANCH
 USAFLIAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCCUIRE AFB TX

PERIOD OF RECORD: 79-87
 MONTH: MAY HOURS(UT): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-7 | 8-10 | 11-15 | 16-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-56 | | |
| N | 1.5 | 2.7 | 1.6 | 1.6 | 1.2 | | | | | | | 6.3 | 6.4 |
| NNE | 1.2 | 1.4 | 1.0 | 1.5 | | | | | | | | 3.1 | 7.9 |
| NE | 1.3 | 1.5 | 1.9 | 1.7 | | | | | | | | 2.4 | 7.1 |
| NNE | 1.4 | 1.7 | 1.3 | 1.8 | | | | | | | | 3.8 | 7.7 |
| E | 1.7 | 2.2 | 3.5 | 1.9 | | | | | | | | 7.3 | 6.9 |
| ESE | 1.2 | 1.5 | 1.7 | 1.1 | | | | | | | | 4.7 | 5.7 |
| SE | 1.5 | 2.2 | 1.2 | 1.3 | | | | | | | | 4.2 | 5.9 |
| SSE | 1.4 | 1.7 | 1.7 | 1.4 | | | | | | | | 4.3 | 6.9 |
| S | 1.5 | 2.6 | 3.6 | 1.1 | | | | | | | | 8.7 | 7.4 |
| SSW | 1.2 | 1.9 | 1.7 | 1.5 | | | | | | | | 3.3 | 9.0 |
| SW | 1.5 | 1.5 | 2.7 | 1.5 | 1.2 | | | | | | | 6.1 | 9.3 |
| WSW | 1.5 | 1.9 | 3.4 | 2.5 | 1.1 | | | | | | | 8.9 | 8.5 |
| W | 1.4 | 3.5 | 5.4 | 2.7 | | | | | | | | 13.3 | 8.0 |
| WSW | 1.2 | 1.7 | 3.1 | 2.7 | | | | | | | | 8.6 | 8.7 |
| W | 1.8 | 2.7 | 1.9 | 1.9 | 1.3 | | | | | | | 7.0 | 6.5 |
| WNW | 1.1 | 1.5 | 1.1 | 1.4 | 1.4 | | | | | | | 5.4 | 8.6 |
| VARIABLE | | | | | | | | | | | | | |
| CPM | //////////////////// | | | | | | | | | | | 3.3 | //// |
| TOTALS | 12.4 | 21.1 | 35.7 | 19.1 | 11.3 | | | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS: 950

GENERAL CLIMATOLOGY BRANCH
 WSAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: MAY HOURS: 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 | 1.9 | 1.7 | 1.9 | 1.7 | | | | | | | | 4.7 | 7.1 |
| NNE | 1.5 | 1.7 | 1.6 | 1.7 | | | | | | | | 7.5 | 6.6 |
| NL | 1.9 | 1.9 | 1.7 | 1.1 | | | | | | | | 7.2 | 6.1 |
| NNE | 1.6 | 1.7 | 1.6 | 1.1 | | | | | | | | 3.5 | 6.4 |
| E | 1.7 | 2.6 | 2.0 | 1.1 | 1.1 | | | | | | | 6.6 | 5.9 |
| ESE | 2.0 | 2.4 | 1.0 | 1.1 | | | | | | | | 5.5 | 4.5 |
| SE | 2.0 | 2.7 | 1.2 | 1.1 | | | | | | | | 6.5 | 4.8 |
| SE | 1.7 | 2.9 | 1.1 | | | | | | | | | 5.7 | 4.8 |
| S | 7.5 | 3.2 | 4.4 | 1.5 | | | | | | | | 15.9 | 5.4 |
| SSE | 1.7 | 2.6 | 1.9 | 1.5 | | | | | | | | 5.7 | 5.3 |
| SW | 2.0 | 1.0 | 1.5 | 1.1 | 1.1 | | | | | | | 9.2 | 5.4 |
| SSW | 1.2 | 1.7 | 1.9 | 1.1 | | | | | | | | 5.5 | 5.9 |
| W | 1.0 | 1.0 | 1.5 | 1.4 | | | | | | | | 6.2 | 6.1 |
| WSW | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 | | | | | | | 3.7 | 7.7 |
| W | 1.9 | 1.2 | 1.5 | 1.1 | 1.7 | | | | | | | 5.4 | 7.1 |
| WSW | 1.1 | 1.0 | 1.0 | 1.1 | | | | | | | | 3.1 | 6.8 |
| VARIABLE | | | | | | | | | | | | | |
| OPEN | //////////////////// | | | | | | | | | | 9.2 | //// | |
| TOTALS | 25.1 | 37.7 | 24.2 | 11.7 | 1.8 | | | | | | | 103.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS: 170

USARL CLIMATOLOGY BRANCH
 DTAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724054 STATION NAME: MCOWINE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: MAY HOURS (LST): 2100-2300

| DIRECTION (DIGREES) | 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 | | | GF 56 |
| N | 1.2 | 2.4 | 2.7 | .8 | | | | | | | | 7.1 | 6.6 |
| NNE | .6 | .7 | .4 | .4 | | | | | | | | 1.9 | 6.4 |
| NE | .4 | .9 | .6 | .1 | | | | | | | | 2.0 | 5.6 |
| NNE | 1.2 | .9 | 1.6 | .8 | | | | | | | | 4.4 | 6.3 |
| E | 1.7 | 1.7 | 1.6 | .5 | | | | | | | | 5.5 | 5.5 |
| ESE | 2.0 | 1.7 | .8 | | | | | | | | | 4.4 | 4.0 |
| SE | 1.4 | 1.1 | .1 | | | | | | | | | 2.6 | 7.0 |
| ESE | 2.7 | 1.7 | .4 | .1 | | | | | | | | 4.9 | 3.9 |
| S | 5.7 | 4.7 | 2.6 | .0 | | | | | | | | 12.0 | 4.5 |
| SSE | 3.4 | 1.1 | 2.2 | .1 | | | | | | | | 11.0 | 4.8 |
| SE | 2.4 | 4.0 | 1.0 | | | | | | | | | 7.4 | 4.2 |
| SSE | 2.0 | 1.7 | .6 | .1 | | | | | | | | 4.4 | 4.1 |
| S | 2.4 | 1.9 | .4 | .1 | | | | | | | | 4.8 | 4.2 |
| SSW | 1.0 | .8 | 1.0 | .0 | | | | | | | | 2.8 | 6.0 |
| SW | .4 | 1.1 | .1 | .1 | .1 | | | | | | | 1.9 | 5.3 |
| SSW | .7 | 1.1 | .9 | .4 | | | | | | | | 3.1 | 6.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 19.5 | //// |
| TOTALS | 30.6 | 29.7 | 16.7 | 4.1 | .1 | | | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS: 330

WORLD CLIMATOLOGY BRANCH
 HAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 74094 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: MAY HOURS(LST): 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 | 1.7 | 2.6 | 2.4 | .8 | .0 | | | | | | | 7.4 | 6.3 |
| NNE | .9 | 1.1 | 1.1 | .6 | .0 | | | | | | | 3.7 | 6.8 |
| NE | .7 | 1.1 | 1.1 | .5 | | | | | | | | 3.4 | 6.5 |
| ENE | .9 | 1.7 | 1.6 | .5 | .0 | | | | | | | 4.7 | 6.6 |
| E | 1.4 | 1.6 | 1.7 | .5 | .0 | | | | | | | 5.4 | 6.1 |
| ESE | 1.4 | 1.4 | .9 | .1 | .0 | | | | | | | 3.9 | 4.9 |
| SE | 1.7 | 1.7 | .6 | .1 | | | | | | | | 3.7 | 4.4 |
| SSE | 1.0 | 1.6 | .9 | .0 | | | | | | | | 3.8 | 5.2 |
| S | 0.7 | 2.6 | 2.3 | .4 | | | | | | | | 7.5 | 5.5 |
| SSW | 1.6 | 2.7 | 1.4 | .5 | .0 | | | | | | | 5.9 | 5.7 |
| SW | 1.7 | 2.4 | 2.1 | .7 | .1 | | | | | | | 7.3 | 6.4 |
| WSW | 1.5 | 2.1 | 1.6 | .5 | .0 | .0 | | | | | | 6.3 | 6.5 |
| W | 1.6 | 2.1 | 2.4 | 1.0 | .1 | | | | | | | 8.3 | 6.5 |
| WSW | .9 | 1.5 | 1.6 | 1.7 | .1 | | | | | | | 5.4 | 7.7 |
| W | 1.0 | 1.7 | 1.5 | 1.0 | .0 | | | | | | | 5.6 | 7.3 |
| WNW | 1.0 | 1.4 | 1.7 | .0 | .1 | | | | | | | 4.5 | 6.8 |
| VARIABLE | //////////////////////////////////// | | | | | | | | | | 14.2 | //// | |
| TOTALS | 21.5 | 29.2 | 29.6 | 5.5 | .4 | .0 | | | | | | 117.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS: 7424

GENERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 714096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JUN 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 | | | GE 56 |
| N | 2.0 | 3.7 | 2.0 | .2 | | | | | | | | 7.2 | 5.3 |
| NNE | .9 | .6 | .9 | | | | | | | | | 1.9 | 5.0 |
| NF | 1.1 | .7 | .3 | | | | | | | | | 2.1 | 3.6 |
| ENE | 1.2 | .7 | .6 | | | | | | | | | 2.2 | 4.4 |
| E | 1.4 | .2 | | | | | | | | | | 1.2 | 2.3 |
| ESE | .9 | .2 | | | | | | | | | | 1.1 | 2.6 |
| SE | 1.4 | .2 | | | | | | | | | | 1.7 | 2.2 |
| SSE | 1.1 | .4 | | | | | | | | | | 1.6 | 2.6 |
| S | 4.3 | 3.1 | 1.3 | .2 | | | | | | | | 9.0 | 4.2 |
| SSW | 4.9 | 4.4 | 1.8 | .1 | | | | | | | | 11.3 | 4.3 |
| SW | 3.2 | 3.9 | .9 | .1 | | | | | | | | 7.7 | 3.9 |
| WSW | 2.7 | 1.8 | .2 | .2 | | | | | | | | 4.3 | 4.1 |
| W | 1.4 | 2.1 | .6 | .9 | | | | | | | | 4.9 | 4.8 |
| WNW | .9 | 1.4 | .2 | .4 | | | | | | | | 3.4 | 5.9 |
| WV | 1.0 | 1.4 | .8 | | | | | | | | | 3.2 | 4.9 |
| WNW | 1.0 | 1.1 | .8 | | .1 | | | | | | | 3.1 | 5.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 33.3 | //// |
| TOTALS | 28.9 | 25.7 | 10.7 | 1.1 | .1 | | | | | | | 100.0 | 2.9 |

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 72456 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JUN HOURS(LST): 0700-0500

| 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 | GE 56 | | |
| N | 2.0 | 2.6 | .9 | | | | | | | | | 5.7 | 4.5 |
| NNW | .8 | .9 | .2 | | | | | | | | | 1.9 | 3.9 |
| NW | .7 | .7 | .7 | | | | | | | | | 2.0 | 5.3 |
| ENE | 1.9 | .7 | .2 | | | | | | | | | 2.8 | 2.9 |
| E | 1.6 | 1.2 | .3 | | | | | | | | | 3.1 | 3.8 |
| ESE | .6 | .7 | | | | | | | | | | .9 | 2.9 |
| SE | 1.7 | | | | | | | | | | | 1.3 | 1.9 |
| SSE | 1.8 | .1 | | | | | | | | | | 1.9 | 2.2 |
| S | 2.7 | 1.7 | .2 | | | | | | | | | 5.2 | 3.1 |
| SSW | 4.7 | 3.6 | 1.3 | | | | | | | | | 9.1 | 3.9 |
| SW | 2.4 | 2.8 | .2 | .1 | | | | | | | | 6.7 | 3.8 |
| WSW | 2.2 | 2.1 | .6 | | | | | | | | | 4.9 | 3.8 |
| W | 1.7 | 2.7 | .2 | | | | | | | | | 4.6 | 4.0 |
| WNW | .8 | 1.5 | .7 | .1 | | | | | | | | 3.1 | 5.6 |
| WZ | 1.9 | 1.7 | .8 | .2 | | | | | | | | 4.2 | 4.5 |
| WNW | 1.3 | 2.4 | .9 | .2 | | | | | | | | 3.9 | 5.2 |
| VARIABLE | | | | | | | | | | | | | |
| SPRM | //////////////////// | | | | | | | | | | | 38.8 | //// |
| TOTALS | 29.1 | 24.4 | 7.0 | .7 | | | | | | | | 100.0 | 2.4 |

TOTAL NUMBER OF OBSERVATIONS: 900

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: 724746 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JUN HOURS (LST): 0600-0800

| 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 | GE 56 | | |
| N | 2.6 | 2.7 | 2.4 | .7 | .1 | | | | | | | 9.3 | 6.0 |
| NNE | 1.6 | 1.4 | 1.0 | | | | | | | | | 4.0 | 4.6 |
| NE | 1.2 | 2.0 | .6 | .2 | | | | | | | | 4.2 | 5.0 |
| NNE | 2.4 | 1.6 | .9 | .1 | | | | | | | | 5.0 | 4.3 |
| E | 2.0 | 2.6 | .6 | .1 | | | | | | | | 4.2 | 4.1 |
| ESE | 1.2 | .7 | .1 | | | | | | | | | 1.7 | 2.9 |
| SE | 1.2 | .4 | | | | | | | | | | 1.4 | 2.4 |
| SSE | 1.2 | .6 | | | | | | | | | | 1.9 | 2.9 |
| S | 2.2 | 1.0 | .3 | | | | | | | | | 4.6 | 3.7 |
| SSE | 2.7 | 3.2 | 1.4 | .1 | | | | | | | | 7.6 | 4.7 |
| SW | 3.1 | 3.6 | 2.7 | .7 | | | | | | | | 9.6 | 5.3 |
| SSW | 1.6 | 3.6 | 1.6 | .6 | | | | | | | | 7.7 | 5.6 |
| W | 2.3 | 3.7 | 1.4 | .3 | | | | | | | | 7.8 | 5.4 |
| WSW | 1.3 | 1.6 | 1.0 | .6 | | | | | | | | 4.1 | 6.3 |
| NW | 1.8 | 2.0 | 1.8 | .7 | | | | | | | | 6.4 | 5.9 |
| NNW | 1.7 | 2.3 | 2.2 | .4 | | | | | | | | 6.7 | 6.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 15.0 | //// |
| TOTALS | 29.6 | 32.4 | 18.6 | 4.7 | .1 | | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS: 900

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: 724091 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JUN HOURS (LST): 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 | .9 | 2.3 | 2.7 | 2.0 | | | | | | | | 7.9 | 8.0 |
| NNE | 1.7 | 2.1 | 1.3 | .3 | | | | | | | | 5.1 | 5.6 |
| NE | 1.4 | 1.8 | 1.3 | | | | | | | | | 4.6 | 4.9 |
| NNE | .6 | 1.0 | .7 | | | | | | | | | 2.2 | 5.4 |
| E | 1.6 | 3.0 | .9 | .0 | | | | | | | | 5.7 | 5.0 |
| ESE | 0.3 | 1.2 | .7 | | | | | | | | | 4.2 | 3.9 |
| SE | .4 | .9 | .1 | | | | | | | | | 1.4 | 4.3 |
| SE | .9 | .3 | .4 | | | | | | | | | 1.7 | 4.5 |
| S | 1.2 | 2.0 | .6 | .0 | | | | | | | | 4.0 | 5.0 |
| SSW | 1.3 | 1.4 | 1.4 | .4 | | | | | | | | 5.1 | 5.5 |
| SW | 1.2 | 3.0 | 2.8 | .9 | | | | | | | | 7.9 | 6.5 |
| WSW | 1.9 | 3.0 | 4.1 | 1.2 | .2 | | | | | | | 10.4 | 7.2 |
| W | 0.6 | 3.8 | 3.4 | 1.9 | | | | | | | | 11.7 | 6.6 |
| WNW | 1.4 | 2.1 | 1.9 | 1.3 | .1 | | | | | | | 6.9 | 7.3 |
| W | 1.4 | 4.1 | 2.6 | 1.1 | | | | | | | | 9.2 | 6.6 |
| WNW | 1.1 | 1.8 | 2.2 | 1.8 | | | | | | | | 6.7 | 7.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 5.4 | //// | |
| TOTALS | 27.1 | 33.8 | 27.1 | 11.2 | .3 | | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JUN 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 | 1.1 | 2.9 | 2.0 | 1.7 | .1 | | | | | | | 7.1 | 6.8 |
| NNE | .9 | 1.3 | .8 | .2 | | | | | | | | 3.2 | 5.6 |
| NE | .4 | 1.0 | 1.0 | .3 | | | | | | | | 2.8 | 6.2 |
| NNE | .3 | .8 | 1.4 | .2 | | | | | | | | 2.8 | 7.2 |
| E | 1.1 | 2.9 | 1.7 | .1 | | | | | | | | 5.8 | 5.3 |
| ESE | 1.0 | 1.1 | .3 | | | | | | | | | 2.4 | 4.1 |
| SE | .4 | 1.3 | .1 | | | | | | | | | 1.9 | 4.6 |
| SSE | .8 | 1.0 | .4 | | | | | | | | | 2.2 | 4.8 |
| S | 1.1 | 2.8 | .8 | | | | | | | | | 4.7 | 4.6 |
| SSW | 1.0 | 2.9 | 1.7 | .2 | | | | | | | | 5.8 | 5.6 |
| SW | .9 | 3.4 | 3.1 | 1.7 | | | | | | | | 9.1 | 7.4 |
| WSW | 1.1 | 3.6 | 4.4 | 1.7 | | | | | | | | 11.9 | 7.6 |
| W | 1.9 | 5.2 | 5.1 | 2.3 | .3 | | | | | | | 14.9 | 7.5 |
| WNW | 1.1 | 3.4 | 2.1 | 2.6 | .1 | | | | | | | 9.3 | 7.9 |
| W | 1.2 | 2.8 | 2.8 | 1.0 | .3 | | | | | | | 8.1 | 7.3 |
| WNW | .7 | 1.3 | 2.6 | 1.3 | .2 | | | | | | | 6.1 | 6.2 |
| VARIABLE | | | .1 | | | | | | | | | .1 | 9.0 |
| CALM | //////////////////////////////////// | | | | | | | | | | 2.7 | //// | |
| TOTALS | 15.1 | 39.8 | 30.4 | 12.9 | 1.1 | | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 WAFB/TAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87
 MONTH: JUN HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-7 | 8-10 | 11-14 | 15-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .4 | 1.9 | 1.1 | 1.1 | | | | | | | | 4.9 | 7.2 |
| NNE | .4 | .2 | .7 | .1 | | | | | | | | 1.4 | 5.8 |
| NE | .7 | 1.0 | .4 | | | | | | | | | 2.1 | 5.2 |
| ENE | .7 | 2.0 | 1.0 | .2 | | | | | | | | 3.9 | 5.9 |
| E | .9 | 2.6 | 1.4 | .2 | | | | | | | | 5.1 | 5.8 |
| ESE | 1.7 | 2.1 | .9 | .1 | | | | | | | | 4.7 | 4.7 |
| SE | .4 | 2.1 | .4 | | | | | | | | | 3.7 | 4.9 |
| SSE | 1.2 | 1.2 | .6 | | | | | | | | | 3.6 | 4.6 |
| S | 2.4 | 4.1 | 2.0 | .1 | | | | | | | | 8.7 | 5.1 |
| SSW | 1.0 | 2.7 | 2.0 | .9 | | | | | | | | 6.6 | 6.4 |
| SW | .4 | 2.7 | 3.7 | 1.0 | | | | | | | | 7.8 | 7.4 |
| WSW | .9 | 2.2 | 4.9 | 1.6 | .1 | | | | | | | 9.7 | 7.9 |
| W | 1.4 | 3.7 | 5.3 | 2.3 | .6 | | | | | | | 13.3 | 8.2 |
| WNW | 1.6 | 2.0 | 2.2 | .9 | .3 | | | | | | | 6.9 | 7.3 |
| W | 1.1 | 1.7 | 3.2 | 1.7 | .1 | | | | | | | 7.7 | 8.0 |
| WNW | 1.7 | 2.6 | 2.0 | 1.9 | .2 | | | | | | | 8.3 | 7.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 1.9 | //// |
| TOTALS | 17.6 | 35.2 | 32.1 | 17.0 | 1.3 | | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH
 USAF/CIAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 71409E STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JUN HOURS(1ST): 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 | 1.1 | 2.7 | 1.2 | .7 | | | | | | | | 5.3 | 6.3 |
| NNE | .6 | .7 | .3 | | | | | | | | | 1.2 | 5.0 |
| NLE | .7 | 1.0 | .9 | .2 | | | | | | | | 2.8 | 5.9 |
| ENE | .6 | .6 | .7 | | | | | | | | | 1.9 | 5.7 |
| E | 1.7 | 2.3 | 1.0 | | | | | | | | | 5.0 | 4.9 |
| ESE | 1.4 | 1.2 | .1 | | | | | | | | | 2.9 | 3.5 |
| SE | 3.1 | 2.0 | .1 | | | | | | | | | 5.2 | 3.3 |
| SSE | 3.8 | 4.0 | .2 | | | | | | | | | 8.1 | 3.5 |
| S | 7.4 | 7.1 | 2.3 | .1 | | | | | | | | 17.0 | 4.2 |
| SSW | 3.3 | 2.2 | 1.4 | .1 | | | | | | | | 3.1 | 4.5 |
| SW | 2.2 | 3.3 | 1.9 | | | | | | | | | 7.4 | 5.0 |
| WSW | 1.4 | 2.6 | .9 | | | | | | | | | 4.9 | 4.8 |
| W | 1.8 | 2.7 | 1.7 | .7 | .2 | | | | | | | 6.3 | 5.9 |
| WNW | 2.2 | 1.7 | 1.3 | .8 | .1 | | | | | | | 5.9 | 6.1 |
| WW | 1.4 | 2.2 | 1.1 | .7 | .1 | | | | | | | 5.6 | 6.2 |
| WNW | 1.2 | 2.4 | 1.3 | .1 | | | | | | | | 5.1 | 5.5 |
| VARIABLE | | | | | | | | | | | | | |
| CEL" | //////////////////// | | | | | | | | | | | 7.4 | //// |
| TOTALS | 32.5 | 35.7 | 16.7 | 6.0 | .4 | | | | | | | 100.7 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

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: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87
 MONTH: JUN HOURS(IST): 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 56 | | |
| N | 2.3 | 2.4 | 1.2 | .6 | | | | | | | | 6.6 | 5.3 |
| NNE | .7 | .8 | .2 | | | | | | | | | 1.2 | 4.5 |
| NE | .6 | .7 | .4 | | | | | | | | | 1.3 | 5.2 |
| ENE | .7 | .4 | .8 | | | | | | | | | 1.9 | 5.1 |
| E | 3.2 | .8 | .6 | .1 | | | | | | | | 4.4 | 3.7 |
| ESE | 1.2 | .4 | | | | | | | | | | 1.7 | 2.3 |
| SE | 1.7 | | | | | | | | | | | 1.7 | 1.8 |
| SSE | 2.6 | 1.4 | | | | | | | | | | 4.0 | 2.9 |
| S | 8.6 | 6.2 | 1.7 | | | | | | | | | 16.4 | 3.8 |
| SSW | 5.4 | 4.7 | 2.2 | .7 | | | | | | | | 12.6 | 4.3 |
| SW | 4.4 | 3.3 | .9 | .1 | | | | | | | | 8.8 | 3.9 |
| WSW | 2.1 | 2.7 | .7 | .2 | | | | | | | | 5.7 | 4.5 |
| W | 2.3 | 1.2 | .7 | .7 | | | | | | | | 4.8 | 4.0 |
| WNW | 1.7 | .7 | .3 | .1 | .1 | .1 | | | | | | 3.2 | 5.3 |
| NW | .9 | .8 | .4 | .1 | | | | | | | | 2.2 | 4.7 |
| NNW | .9 | 1.6 | .3 | .2 | .1 | | | | | | | 3.1 | 5.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 28.4 | //// |
| TOTALS | 79.4 | 27.1 | 10.1 | 2.6 | .7 | .1 | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS: 900

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: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87
MONTH: JUN HOURS(LST): 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 | 1.6 | 2.6 | 1.7 | .8 | .0 | | | | | | | 6.6 | 6.2 |
| NNE | .8 | 1.0 | .7 | .1 | | | | | | | | 2.5 | 5.1 |
| NL | .8 | 1.1 | .7 | .1 | | | | | | | | 2.7 | 5.2 |
| ENE | 1.0 | 1.0 | .8 | .1 | | | | | | | | 2.8 | 5.0 |
| E | 1.7 | 1.8 | .8 | .1 | | | | | | | | 4.4 | 4.6 |
| ESE | 1.3 | .9 | .2 | .0 | | | | | | | | 2.4 | 3.7 |
| SE | 1.3 | .9 | .1 | | | | | | | | | 2.3 | 3.4 |
| SSE | 1.7 | 1.2 | .2 | | | | | | | | | 3.1 | 3.6 |
| S | 3.8 | 3.6 | 1.2 | .1 | | | | | | | | 8.7 | 4.2 |
| SSW | 3.0 | 3.3 | 1.7 | .3 | | | | | | | | 8.3 | 4.7 |
| SW | 2.4 | 3.2 | 2.0 | .5 | | | | | | | | 9.1 | 5.5 |
| WSW | 1.7 | 2.7 | 2.2 | .7 | .0 | | | | | | | 7.3 | 6.2 |
| W | 2.0 | 3.1 | 2.3 | 1.0 | .1 | | | | | | | 9.5 | 6.4 |
| WNW | 1.7 | 1.9 | 1.3 | .8 | .1 | .0 | | | | | | 5.4 | 6.8 |
| NW | 1.3 | 2.1 | 1.6 | .7 | .1 | | | | | | | 5.9 | 6.4 |
| NNW | 1.2 | 1.8 | 1.6 | .7 | .1 | | | | | | | 5.4 | 6.6 |
| VARIABLE | | | .0 | | | | | | | | | .0 | 9.0 |
| CALM | //////////////////// | | | | | | | | | | | 15.6 | //// |
| TOTALS | 26.9 | 32.7 | 19.0 | 6.0 | 1.5 | .0 | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 74-87
MONTH: JUL 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 | 2.3 | 2.2 | .6 | .1 | | | | | | | | 6.2 | 4.5 |
| NNE | .9 | 1.0 | | .1 | | | | | | | | 1.9 | 4.1 |
| NE | .6 | .4 | .7 | | | | | | | | | 1.4 | 4.5 |
| NNE | 1.0 | .5 | | | | | | | | | | 1.5 | 3.3 |
| E | 1.2 | .3 | | | | | | | | | | 1.5 | 2.4 |
| ESE | .6 | .1 | .1 | | | | | | | | | .9 | 3.4 |
| SE | .6 | .1 | | | | | | | | | | .6 | 2.3 |
| ESE | 1.1 | .2 | .1 | | | | | | | | | 1.5 | 3.1 |
| S | 4.7 | 2.0 | .2 | | | | | | | | | 7.1 | 3.2 |
| SSW | 6.1 | 2.8 | .9 | .2 | | | | | | | | 9.9 | 3.6 |
| SW | 4.9 | 4.2 | .4 | | | | | | | | | 9.6 | 3.6 |
| WSW | 2.5 | 2.7 | .4 | | | | | | | | | 5.2 | 3.7 |
| W | 1.6 | 2.2 | .6 | .1 | | | | | | | | 4.5 | 4.3 |
| WNW | 1.5 | 1.6 | .7 | | | | | | | | | 3.4 | 4.0 |
| NW | 1.7 | 2.0 | .2 | | | | | | | | | 4.1 | 4.0 |
| WNW | 2.7 | 1.4 | .1 | | | | | | | | | 3.9 | 3.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 36.9 | //// |
| TOTALS | 33.4 | 24.1 | 4.6 | .5 | | | | | | | | 100.0 | 2.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MFC

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

STATION NUMBER: 724390 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 72-87
 MONTH: JUL HOURS (LST): 0300-0500

| DIRECTION (DIRECTION) | 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 | 1.7 | 1.3 | .2 | | | | | | | | 5.6 | 4.7 |
| NNE | .6 | .8 | .1 | | | | | | | | | 1.5 | 4.1 |
| NE | 1.3 | .7 | .1 | | | | | | | | | 1.6 | 2.9 |
| NNE | 1.0 | .1 | | | | | | | | | | 1.1 | 2.3 |
| E | 1.1 | 1.0 | .1 | | | | | | | | | 2.2 | 3.4 |
| ESE | 1.1 | .1 | .2 | | | | | | | | | 1.4 | 3.3 |
| SE | .9 | .7 | | | | | | | | | | 1.7 | 2.3 |
| SSE | 1.0 | .7 | .1 | | | | | | | | | 1.4 | 2.9 |
| S | 3.4 | 2.0 | .9 | | | | | | | | | 6.3 | 3.3 |
| SSW | 4.6 | 3.7 | .2 | .1 | .1 | | | | | | | 8.8 | 3.5 |
| SW | 3.7 | 1.9 | .2 | | | | | | | | | 5.9 | 3.2 |
| WSW | 2.6 | 1.9 | | | | | | | | | | 4.5 | 3.2 |
| W | 4.0 | 2.2 | .5 | | | | | | | | | 6.7 | 3.4 |
| WNW | 2.7 | 1.9 | .1 | | | | | | | | | 4.1 | 3.7 |
| W | 2.7 | 1.0 | .4 | | | | | | | | | 4.1 | 3.5 |
| WNW | 1.6 | 1.0 | .1 | .1 | | | | | | | | 2.8 | 3.5 |
| UNDETERMINED | | | | | | | | | | | | | |
| TOTALS | 32.4 | 27.2 | 4.1 | .4 | .1 | | | | | | | 100.0 | 2.0 |

TOTAL NUMBER OF OBSERVATIONS: 920

CLIMATE CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87
 MONTH: JUL HOURS(LST): 0600-0800

| 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 | GE 56 | | |
| N | 2.6 | 4.7 | 2.4 | .5 | | | | | | | | 9.6 | 5.6 |
| NNE | .8 | 1.4 | .9 | .3 | | | | | | | | 3.3 | 5.8 |
| NE | 1.5 | 1.9 | .6 | | | | | | | | | 4.1 | 4.4 |
| NNE | 1.4 | .9 | .3 | | | | | | | | | 3.0 | 3.6 |
| E | 2.7 | 1.3 | .3 | | | | | | | | | 3.7 | 3.4 |
| ESE | .9 | .7 | .3 | | | | | | | | | 1.4 | 3.5 |
| SE | .8 | .5 | .2 | .1 | | | | | | | | 1.6 | 4.5 |
| ESE | .9 | .3 | .2 | | | | | | | | | 1.4 | 3.4 |
| S | 2.4 | 1.5 | .3 | | | | | | | | | 4.2 | 3.3 |
| SSW | 2.2 | 2.4 | .1 | .1 | | | | | | | | 6.6 | 4.5 |
| SW | 2.8 | 4.7 | 1.2 | .2 | .2 | | | | | | | 9.1 | 4.9 |
| SSW | 2.5 | 3.7 | .9 | | | | | | | | | 7.0 | 4.4 |
| W | 2.5 | 2.4 | .6 | .1 | | | | | | | | 6.7 | 4.3 |
| WNW | 2.2 | 2.0 | .5 | .1 | | | | | | | | 5.7 | 4.4 |
| W | 1.4 | 2.0 | 1.0 | .4 | | | | | | | | 5.4 | 5.8 |
| WNW | 2.2 | 1.5 | 1.3 | .2 | | | | | | | | 5.6 | 4.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.7 | //// |
| TOTALS | 19.1 | 34.1 | 12.2 | 1.3 | .2 | | | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS: 220

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: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JUL 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 56 |
| N | 2.0 | 3.5 | 2.5 | .4 | .1 | | | | | | | 13.2 | 5.6 |
| NNE | 1.7 | 2.0 | 2.4 | .1 | | | | | | | | 5.9 | 6.1 |
| NE | 2.3 | 2.0 | .9 | | | | | | | | | 5.1 | 4.0 |
| ENE | .9 | 1.1 | .6 | | | | | | | | | 2.6 | 4.6 |
| E | 2.5 | 2.3 | 1.2 | | | | | | | | | 5.9 | 4.3 |
| ESE | .8 | .4 | .2 | | | | | | | | | 1.4 | 3.9 |
| SE | 1.7 | 1.5 | .5 | | | | | | | | | 3.0 | 4.2 |
| SSE | 1.7 | 1.0 | .9 | .1 | | | | | | | | 3.2 | 4.8 |
| S | 2.2 | 1.6 | .6 | | | | | | | | | 4.4 | 4.2 |
| SSW | 1.4 | 3.0 | 1.1 | .1 | | | | | | | | 5.8 | 4.8 |
| SW | 1.3 | 3.4 | 1.8 | .3 | | | | | | | | 6.9 | 5.7 |
| WSW | 1.3 | 3.7 | 2.2 | .9 | | | | | | | | 7.8 | 6.2 |
| W | 2.9 | 5.5 | 2.3 | .4 | | | | | | | | 11.0 | 5.3 |
| WNW | 2.4 | 3.1 | 2.3 | .3 | | | | | | | | 8.1 | 5.6 |
| NW | 1.6 | 1.9 | 1.9 | .6 | | | | | | | | 6.1 | 6.3 |
| NNW | .8 | 2.0 | 1.4 | 1.2 | | | | | | | | 5.4 | 7.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 7.3 | //// |
| TOTALS | 26.7 | 38.6 | 23.7 | 4.4 | .1 | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 704096 STATION NAME: MCQUINN AFB TX

PERIOD OF RECORD: 78-87
 MONTH: JUL 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 | 1.6 | 1.8 | 2.2 | .5 | | | | | | | | 8.7 | 5.8 |
| NNE | 1.2 | 1.7 | .6 | .1 | | | | | | | | 3.4 | 5.2 |
| NE | 1.1 | 1.3 | .5 | .3 | | | | | | | | 3.2 | 4.9 |
| NNE | .2 | .9 | .2 | .1 | | | | | | | | 1.4 | 5.2 |
| E | 1.1 | 1.5 | 1.2 | .2 | | | | | | | | 3.9 | 5.5 |
| ESE | 1.5 | 1.4 | .8 | .1 | | | | | | | | 3.8 | 4.3 |
| SE | .8 | 1.3 | .5 | | | | | | | | | 2.6 | 4.7 |
| SSE | 1.0 | 1.6 | .5 | .1 | | | | | | | | 3.2 | 4.9 |
| S | 0.7 | 2.2 | 1.6 | .3 | | | | | | | | 6.8 | 4.9 |
| SSW | 1.4 | 2.4 | 2.4 | .2 | | | | | | | | 6.3 | 6.1 |
| SW | 1.8 | 2.4 | 3.0 | .5 | | | | | | | | 9.0 | 6.5 |
| WSW | 1.3 | 3.9 | 2.9 | .6 | | | | | | | | 8.7 | 6.4 |
| W | 1.5 | 4.7 | 3.8 | .9 | | | | | | | | 10.9 | 6.4 |
| WNW | 1.4 | 2.7 | 3.9 | .6 | | | | | | | | 8.6 | 6.8 |
| W | 1.7 | 3.8 | 2.3 | .6 | | | | | | | | 8.2 | 6.2 |
| WNW | 1.3 | 3.7 | 1.7 | .5 | .1 | | | | | | | 7.0 | 6.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.7 | //// |
| TOTALS | 21.5 | 44.2 | 26.1 | 5.8 | .1 | | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 257

AD-A188 317

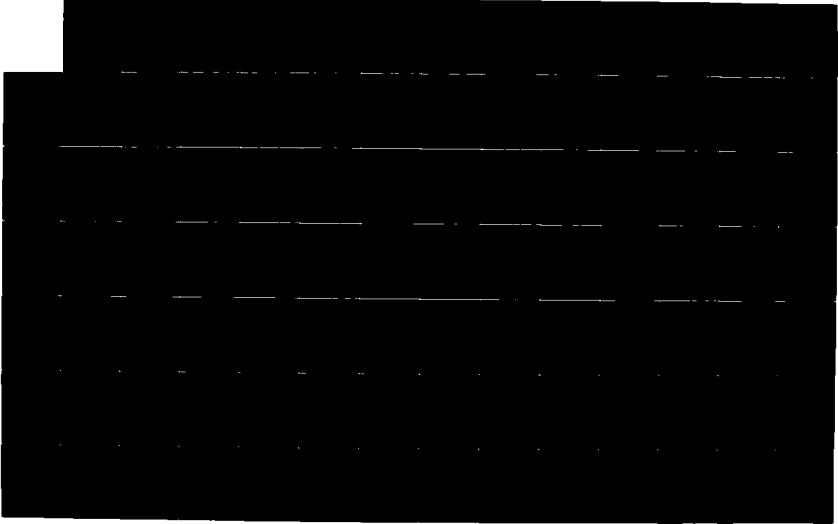
MCQUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVA. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. DEC 87
USAFETAC/DS-87/882

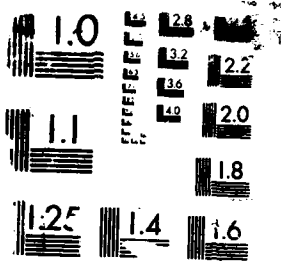
2/4

UNCLASSIFIED

F/G 4/2

NL





RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH
 LSAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 7A-87
 MONTH: JUL 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 56 |
| N | 1.6 | 3.0 | 2.4 | .5 | | | | | | | | 7.5 | 6. |
| NNE | .3 | .0 | .6 | .1 | | | | | | | | 2.0 | 6. |
| NE | .9 | .4 | .4 | | | | | | | | | 1.7 | 4. |
| NNE | .4 | 1.1 | .4 | .1 | | | | | | | | 2.0 | 5. |
| E | 1.2 | 2.0 | 1.2 | .2 | | | | | | | | 4.6 | 5. |
| ESE | .0 | 1.4 | 1.0 | .1 | | | | | | | | 3.3 | 5. |
| SE | 2.7 | 2.7 | 1.3 | .1 | | | | | | | | 6.3 | 4. |
| SSE | 1.1 | 2.9 | .6 | .1 | | | | | | | | 4.7 | 4. |
| S | 1.9 | 5.3 | 2.5 | .3 | | | | | | | | 10.0 | 5. |
| SSW | .9 | 3.1 | 3.0 | .3 | | | | | | | | 7.3 | 6. |
| SW | 1.3 | 3.4 | 3.7 | .1 | | | | | | | | 8.5 | 6. |
| WSW | .9 | 3.8 | 3.3 | .6 | | | | | | | | 8.5 | 6. |
| W | 1.5 | 4.0 | 4.3 | 1.2 | .1 | | | | | | | 11.1 | 7. |
| WNW | 1.7 | 2.6 | 2.2 | 1.0 | | | | | | | | 7.0 | 6. |
| NW | 1.0 | 2.5 | 2.9 | .7 | | | | | | | | 6.7 | 6. |
| NNW | 1.3 | 1.4 | 1.6 | .8 | .1 | | | | | | | 5.6 | 6. |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 3.0 | //// | |
| TOTALS | 16.5 | 40.0 | 31.5 | 5.9 | .2 | | | | | | | 100.0 | 5. |

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JUL HOURS(IST): 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 | 2.6 | 2.4 | 1.1 | .3 | | | | | | | | 6.4 | 4.6 |
| NNE | .2 | .9 | .3 | .1 | | | | | | | | 1.5 | 6.0 |
| NE | .3 | .5 | .2 | | | | | | | | | 1.1 | 4.6 |
| ENE | .9 | .3 | .1 | | | | | | | | | 1.2 | 3.4 |
| E | 1.5 | 1.4 | .5 | .2 | | | | | | | | 3.7 | 4.6 |
| ESE | 2.2 | .6 | .4 | | | | | | | | | 3.2 | 3.4 |
| SE | 2.4 | 1.4 | .2 | .1 | | | | | | | | 4.1 | 3.6 |
| SSE | 5.6 | 2.9 | .5 | | | | | | | | | 9.1 | 3.3 |
| S | 8.7 | 6.7 | 1.9 | .3 | | | | | | | | 17.7 | 3.9 |
| SSW | 4.6 | 3.9 | 1.1 | .1 | | | | | | | | 9.7 | 4.0 |
| SW | 2.7 | 2.9 | 1.4 | .2 | | | | | | | | 7.2 | 4.7 |
| WSW | 1.5 | 2.9 | .8 | .2 | | .1 | | | | | | 5.4 | 5.5 |
| W | 1.9 | 2.5 | .9 | .1 | | | | | | | | 5.4 | 4.5 |
| WNW | 1.5 | 1.4 | .9 | .3 | | | | | | | | 4.1 | 5.3 |
| NW | 1.7 | 1.5 | .4 | | | | | | | | | 3.2 | 4.0 |
| NNW | 1.6 | 1.9 | .9 | .4 | | | | | | | | 4.8 | 5.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 12.3 | //// |
| TOTALS | 39.4 | 34.1 | 11.6 | 2.5 | | .1 | | | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724794 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JUL 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 | GE 56 | | |
| N | .8 | 1.9 | 1.0 | | | | | | | | | 3.7 | 5.3 |
| NNE | .6 | .4 | .6 | | | | | | | | | 1.7 | 4.8 |
| NE | .2 | .6 | .1 | .1 | | | | | | | | 1.1 | 5.8 |
| ENE | .4 | .1 | .1 | | | | | | | | | .6 | 3.5 |
| E | 2.2 | .3 | | | | | | | | | | 2.5 | 2.1 |
| ESE | 1.0 | .4 | | | | | | | | | | 1.4 | 2.7 |
| SE | 1.5 | .5 | | | | | | | | | | 2.0 | 2.5 |
| SSE | 2.7 | 1.0 | | | | | | | | | | 3.7 | 2.8 |
| S | 9.2 | 5.2 | .9 | | | | | | | | | 15.2 | 3.3 |
| SSW | 7.3 | 6.5 | 1.3 | .2 | | | | | | | | 15.3 | 3.8 |
| SW | 2.0 | 3.6 | .9 | | | | | | | | | 7.4 | 4.1 |
| WSW | 1.7 | 2.0 | .2 | | | | | | | | | 4.7 | 3.6 |
| W | 2.6 | 1.3 | 1.0 | | | | | | | | | 4.9 | 3.9 |
| WNW | .5 | 1.1 | .3 | .1 | | | | | | | | 2.0 | 5.1 |
| NW | .5 | 1.4 | .3 | | | | | | | | | 2.3 | 5.2 |
| NNW | 1.3 | 1.3 | .3 | | | | | | | | | 2.9 | 4.2 |
| VARIABLE | | | | | | | | | | | | | |
| CFLH | //////////////////// | | | | | | | | | | | 29.2 | //// |
| TOTALS | 35.6 | 27.7 | 7.0 | .4 | | | | | | | | 100.0 | 2.7 |

TOTAL NUMBER OF OBSERVATIONS: 927

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: 724094 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JUL HOURS(15T): 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 | 2.1 | 3.7 | 1.7 | .3 | .0 | | | 7.2 | 5.4 |
| NNE | .7 | 1.1 | .7 | .1 | | | | 2.7 | 5.4 |
| NE | 1.0 | .9 | .4 | .1 | | | | 2.4 | 4.3 |
| ENE | .9 | .6 | .2 | .0 | | | | 1.7 | 4.1 |
| E | 1.6 | 1.3 | .6 | .1 | | | | 3.5 | 4.2 |
| ESE | 1.1 | .6 | .4 | .0 | | | | 2.1 | 4.0 |
| SE | 1.2 | 1.0 | .3 | .0 | | | | 2.7 | 4.1 |
| SSE | 1.8 | 1.3 | .4 | .0 | | | | 2.5 | 3.8 |
| S | 4.4 | 3.4 | 1.1 | .1 | | | | 9.0 | 3.9 |
| SSW | 3.6 | 3.6 | 1.3 | .2 | .0 | | | 8.6 | 4.4 |
| SW | 2.7 | 3.5 | 1.6 | .2 | .0 | | | 8.0 | 4.9 |
| WSW | 1.9 | 3.0 | 1.3 | .3 | | .0 | | 6.4 | 5.3 |
| W | 2.3 | 3.2 | 1.7 | .5 | .0 | | | 7.6 | 5.2 |
| WNW | 1.6 | 2.0 | 1.3 | .3 | | | | 5.4 | 5.5 |
| W | 1.5 | 2.7 | 1.3 | .3 | | | | 5.0 | 5.5 |
| WNW | 1.5 | 1.9 | .9 | .4 | .0 | | | 4.7 | 5.4 |
| VARIABLE | | | | | | | | | |
| CALM | //////////////////// | | | | | | | 19.6 | //// |
| TOTALS | 29.8 | 32.5 | 15.3 | 2.5 | .1 | .0 | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS: 7435

GLOBAL CLIMATOLOGY BRANCH
 LSAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: AUG 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 | | | GE 56 |
| N | 2.0 | 2.4 | 1.2 | .3 | | | | | | | | 5.9 | 4.9 |
| NNE | .5 | 1.1 | .2 | | | | | | | | | 1.8 | 4.4 |
| NE | .9 | .8 | .5 | | | | | | | | | 2.2 | 4.2 |
| NNE | .8 | .9 | .3 | | | | | | | | | 1.9 | 4.4 |
| E | 1.5 | .5 | .1 | | | | | | | | | 2.2 | 2.7 |
| ESE | .8 | | | | | | | | | | | .8 | 1.6 |
| SE | .8 | .1 | | | | | | | | | | .9 | 2.0 |
| SSE | 1.7 | .4 | | | | | | | | | | 1.7 | 2.7 |
| S | 5.4 | 3.2 | .5 | | | | | | | | | 9.1 | 3.4 |
| SSW | 5.5 | 4.2 | .3 | | | | | | | | | 10.0 | 3.4 |
| SW | 3.8 | 4.0 | .3 | .1 | | | | | | | | 8.2 | 3.9 |
| WSW | 2.3 | 2.9 | .8 | .1 | | | | | | | | 6.0 | 4.2 |
| W | 4.0 | 1.9 | .2 | | | | | | | | | 6.1 | 3.2 |
| WNW | 1.7 | 1.7 | .4 | | | | | | | | | 3.4 | 4.3 |
| NW | .5 | .6 | .2 | | | | | | | | | 1.4 | 4.4 |
| WNW | .9 | 1.7 | .5 | | | | | | | | | 2.4 | 4.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 36.0 | //// | |
| TOTALS | 32.0 | 25.7 | 5.7 | .5 | | | | | | | | 100.0 | 2.4 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: AUG 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 | | | GE 56 |
| N | 4.1 | 3.7 | .6 | | | | | | | | | 8.1 | 3.7 |
| NNE | .6 | 1.2 | .2 | | | | | | | | | 2.0 | 4.2 |
| NE | .9 | 1.0 | .3 | .2 | | | | | | | | 2.3 | 5.2 |
| NNE | 1.0 | 1.0 | .2 | .1 | | | | | | | | 2.3 | 4.2 |
| E | 1.2 | .5 | .2 | | | | | | | | | 1.9 | 3.2 |
| ESE | .5 | | | | | | | | | | | .5 | 2.0 |
| SE | .6 | .1 | | | | | | | | | | .9 | 2.4 |
| SSE | 1.2 | .4 | | | | | | | | | | 1.6 | 2.5 |
| S | 4.9 | 2.2 | .3 | | | | | | | | | 7.3 | 3.1 |
| SSW | 3.2 | 3.7 | .5 | | | | | | | | | 7.4 | 3.9 |
| SW | 3.4 | 2.8 | .4 | | | | | | | | | 6.7 | 3.7 |
| WSW | 2.4 | 2.0 | .3 | | | | | | | | | 4.7 | 3.7 |
| W | 3.1 | 1.6 | | | | | | | | | | 4.7 | 3.0 |
| WNW | 1.2 | 1.4 | .2 | | | | | | | | | 2.6 | 4.0 |
| NW | 2.7 | 1.5 | .1 | | | | | | | | | 4.3 | 3.3 |
| NNW | 1.9 | 1.9 | .5 | .1 | | | | | | | | 4.5 | 4.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALC | //////////////////// | | | | | | | | | | | 38.3 | //// |
| TOTALS | 37.6 | 24.6 | 4.1 | .4 | | | | | | | | 100.0 | 2.2 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAL

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(LST): 0600-0800

| 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 | GE 56 | | |
| N | 3.2 | 5.7 | 2.7 | .1 | | | | | | | | 11.2 | 5.1 |
| NNE | 1.4 | 2.0 | 1.4 | .2 | | | | | | | | 5.1 | 5.3 |
| NE | 1.7 | 1.9 | .8 | .2 | | | | | | | | 4.2 | 5.2 |
| ENE | 1.0 | 1.9 | .3 | .3 | | | | | | | | 3.5 | 5.1 |
| E | 1.5 | .2 | .6 | | | | | | | | | 2.4 | 3.7 |
| ESE | .8 | .2 | | | | | | | | | | 1.0 | 2.3 |
| SE | .5 | .3 | .1 | | | | | | | | | 1.0 | 3.8 |
| SSE | 1.1 | .1 | | | | | | | | | | 1.2 | 1.9 |
| S | 3.7 | 2.4 | .5 | | | | | | | | | 6.6 | 3.5 |
| SSW | 2.7 | 4.0 | 1.3 | .1 | | | | | | | | 8.1 | 4.5 |
| SW | 3.2 | 3.4 | .6 | .3 | | | | | | | | 7.7 | 4.2 |
| WSW | 1.1 | 2.6 | .8 | | | | | | | | | 4.4 | 4.9 |
| W | 2.6 | 2.6 | .8 | .1 | | | | | | | | 6.3 | 4.2 |
| WNW | 1.6 | 2.4 | .2 | | | | | | | | | 4.2 | 3.7 |
| NW | 1.5 | 2.3 | .5 | .1 | | | | | | | | 4.7 | 4.9 |
| NNW | 2.4 | 1.8 | 1.0 | .2 | | | | | | | | 5.4 | 4.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 23.4 | //// |
| TOTALS | 29.6 | 33.3 | 11.9 | 1.7 | | | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS: 737

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(LST): 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 | 1.9 | 5.1 | 3.2 | .9 | | | | | | | | 11.1 | 6.0 |
| NNE | 2.0 | 2.6 | 1.9 | .2 | .1 | | | | | | | 6.9 | 5.6 |
| NE | 1.6 | 3.1 | 1.7 | .9 | .1 | | | | | | | 7.4 | 6.4 |
| NNE | 1.2 | 2.5 | 1.0 | .1 | .1 | | | | | | | 4.8 | 5.5 |
| E | 1.1 | 1.7 | 1.4 | | | | | | | | | 4.2 | 5.2 |
| ESE | 1.3 | .9 | .2 | | | | | | | | | 2.4 | 3.3 |
| SE | 1.1 | .5 | .2 | | | | | | | | | 1.8 | 3.4 |
| SSE | .8 | .9 | | | | | | | | | | 1.6 | 3.7 |
| S | 1.3 | 1.9 | .5 | | | | | | | | | 3.9 | 4.3 |
| SSW | 1.2 | 4.1 | 1.3 | .1 | | | | | | | | 6.7 | 5.2 |
| SW | 1.6 | 4.6 | 2.9 | .3 | | | | | | | | 9.5 | 5.7 |
| WSW | 1.5 | 3.0 | 2.7 | .2 | | | | | | | | 7.4 | 5.9 |
| W | 1.4 | 4.7 | 2.7 | .3 | | | | | | | | 9.7 | 5.8 |
| WNW | 1.6 | 2.9 | 1.4 | .4 | | | | | | | | 6.3 | 5.6 |
| NW | 1.6 | 2.8 | 1.3 | .8 | | | | | | | | 6.5 | 5.9 |
| NNW | 1.4 | 1.7 | 1.0 | .9 | | | | | | | | 4.9 | 6.0 |
| VARIABLE | | | | | | | | | | | | | |
| CPLM | //////////////////// | | | | | | | | | | | 6.0 | //// |
| TOTALS | 22.6 | 42.6 | 23.4 | 5.1 | .3 | | | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS: 930

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: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 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 56 |
| N | 2.2 | 3.1 | 2.3 | .9 | | | | | | | | 8.4 | 5.8 |
| NNE | .6 | 1.6 | 1.1 | .3 | .2 | | | | | | | 3.9 | 7.0 |
| NE | .9 | 1.4 | .8 | .3 | .1 | | | | | | | 3.4 | 6.0 |
| NNE | .8 | 1.5 | 2.5 | | .2 | | | | | | | 4.9 | 7.0 |
| E | 1.2 | 1.9 | 1.6 | .4 | .1 | | | | | | | 5.3 | 6.2 |
| ESE | 1.1 | 1.3 | .3 | | | | | | | | | 2.7 | 4.1 |
| SE | .5 | .9 | .4 | | | | | | | | | 1.8 | 4.9 |
| SSE | .9 | .9 | .3 | | | | | | | | | 1.9 | 4.3 |
| S | .9 | 2.3 | 1.6 | | | | | | | | | 4.7 | 5.4 |
| SSW | 1.3 | 3.1 | 1.7 | .1 | | | | | | | | 6.2 | 5.4 |
| SW | 1.1 | 3.0 | 3.4 | .3 | | | | | | | | 7.8 | 6.5 |
| WSW | 1.7 | 3.0 | 2.9 | 1.2 | | | | | | | | 6.8 | 6.5 |
| W | 2.4 | 6.0 | 3.4 | 1.5 | | | | | | | | 13.3 | 6.3 |
| WNW | 1.9 | 3.5 | 2.4 | .9 | | | | | | | | 8.7 | 6.1 |
| NW | 1.6 | 4.7 | 1.4 | 1.3 | | | | | | | | 8.6 | 6.3 |
| NNW | 1.7 | 2.3 | 1.0 | 1.2 | | | | | | | | 5.7 | 6.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 3.7 | //// |
| TOTALS | 27.1 | 40.1 | 27.1 | 4.4 | .6 | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72496 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: AUG 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 56 |
| N | 1.4 | 2.8 | 1.6 | .7 | | | | | | | | 6.1 | 5.9 |
| NNE | .4 | .6 | .4 | .1 | .2 | | | | | | | 1.8 | 7.1 |
| NE | .3 | .6 | .9 | .6 | | | | | | | | 2.5 | 8.0 |
| ENE | .4 | 2.0 | 1.1 | .2 | .1 | | | | | | | 3.9 | 6.7 |
| E | 1.0 | 2.4 | 2.2 | .2 | | | | | | | | 5.7 | 6.1 |
| ESE | 1.0 | 2.5 | .8 | | | | | | | | | 4.2 | 5.0 |
| SE | .9 | 2.9 | .6 | | | | | | | | | 4.3 | 4.8 |
| SSE | 1.6 | 3.3 | .8 | .1 | | | | | | | | 5.8 | 4.6 |
| S | 1.9 | 4.3 | 1.8 | .1 | | | | | | | | 8.2 | 5.0 |
| SSW | 1.4 | 2.9 | 2.4 | .2 | | | | | | | | 6.9 | 5.8 |
| SW | 1.4 | 2.6 | 2.0 | .2 | | | | | | | | 6.2 | 5.8 |
| WSW | .9 | 3.2 | 2.6 | .6 | | | | | | | | 7.3 | 6.5 |
| W | 2.6 | 4.3 | 3.3 | .3 | | | | | | | | 10.8 | 5.7 |
| WNW | 2.7 | 3.9 | 1.9 | .9 | | | | | | | | 9.2 | 5.6 |
| NW | 1.6 | 3.5 | 1.3 | 1.4 | | | | | | | | 7.8 | 6.4 |
| NNW | 2.0 | 1.7 | .8 | .5 | | | | | | | | 5.2 | 5.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.1 | //// |
| TOTALS | 21.8 | 43.4 | 24.4 | 5.5 | .3 | | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724090 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(LST): 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 | 1.5 | 1.6 | .9 | .2 | | | | | | | | 4.1 | 4.3 |
| NNE | .9 | .5 | .5 | .4 | | | | | | | | 1.9 | 6.9 |
| NE | 1.1 | | .6 | .1 | | | | | | | | 1.8 | 4.7 |
| ENE | .6 | 1.4 | .8 | | | | | | | | | 2.8 | 5.0 |
| E | 2.0 | 1.3 | .3 | | | | | | | | | 3.8 | 3.5 |
| ESE | 2.9 | 1.7 | | | | | | | | | | 4.6 | 2.9 |
| SE | 1.9 | 2.2 | | | | | | | | | | 4.0 | 3.5 |
| SSE | 3.4 | 1.9 | .5 | | | | | | | | | 5.9 | 3.6 |
| S | 10.2 | 5.3 | 1.7 | | | | | | | | | 20.2 | 3.7 |
| SSW | 4.1 | 3.9 | 1.5 | | | | | | | | | 9.7 | 4.0 |
| SW | 2.5 | 3.0 | .5 | | | | | | | | | 6.0 | 4.1 |
| WSW | 2.5 | 1.6 | .5 | | | | | | | | | 4.6 | 3.7 |
| W | 1.9 | 3.1 | .4 | .1 | | | | | | | | 5.6 | 4.1 |
| WNW | .9 | 1.7 | .4 | | | | | | | | | 3.0 | 4.7 |
| NW | 1.0 | 1.4 | .5 | .3 | | | | | | | | 3.2 | 5.5 |
| NNW | 2.3 | .9 | .4 | | | | | | | | | 3.5 | 3.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 15.2 | //// |
| TOTALS | 39.8 | 30.5 | 9.4 | 1.2 | | | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS: 950

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: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: AUG 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 | GE 56 | | |
| N | 1.7 | 1.7 | .8 | .4 | | | | | | | | 4.2 | 5.3 |
| NNE | .8 | .9 | .1 | .1 | | | | | | | | 1.8 | 4.5 |
| NEL | 1.4 | .8 | .7 | .7 | | | | | | | | 2.7 | 4.4 |
| ENE | 1.0 | .6 | | .1 | | | | | | | | 1.7 | 3.4 |
| E | 1.3 | .3 | .3 | | | | | | | | | 1.9 | 3.6 |
| ESE | 1.3 | .4 | | | | | | | | | | 1.7 | 2.4 |
| SE | 1.4 | .2 | | | | | | | | | | 1.6 | 2.2 |
| SSE | 3.0 | .9 | .1 | | | | | | | | | 4.2 | 2.7 |
| S | 6.7 | 4.8 | .9 | | | | | | | | | 12.4 | 3.5 |
| SSW | 6.3 | 4.5 | 1.1 | .2 | | | | | | | | 16.1 | 4.0 |
| SW | 2.8 | 1.4 | .7 | .1 | | | | | | | | 8.6 | 4.2 |
| WSW | 2.8 | 2.0 | .7 | | | | | | | | | 5.2 | 3.6 |
| W | 1.7 | 1.4 | .4 | .1 | | | | | | | | 3.7 | 3.9 |
| WNW | 1.7 | .6 | .2 | .1 | | | | | | | | 2.3 | 4.3 |
| NW | .5 | .9 | .2 | | | | | | | | | 1.6 | 4.2 |
| NNW | .4 | 1.6 | .1 | | | | | | | | | 2.2 | 4.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 28.2 | //// |
| TOTALS | 34.6 | 30.6 | 5.2 | 1.4 | | | | | | | | 100.0 | 2.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/CIAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(UTST): 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 | 2.3 | 3.1 | 1.6 | .4 | | | | | | | | 7.4 | 5.2 |
| NNE | .9 | 1.7 | .7 | .2 | .1 | | | | | | | 3.2 | 5.7 |
| NE | 1.0 | 1.2 | .7 | .3 | .0 | | | | | | | 3.3 | 5.7 |
| ENE | .9 | 1.5 | .8 | .1 | .1 | | | | | | | 3.2 | 5.5 |
| E | 1.4 | 1.1 | .8 | .1 | .0 | | | | | | | 3.4 | 4.8 |
| ESE | 1.2 | .9 | .2 | | | | | | | | | 2.2 | 3.5 |
| SE | 1.0 | .9 | .2 | | | | | | | | | 2.0 | 3.7 |
| SSE | 1.7 | 1.1 | .2 | .0 | | | | | | | | 3.0 | 3.5 |
| S | 4.4 | 3.7 | 1.0 | .0 | | | | | | | | 9.0 | 3.8 |
| SSW | 3.2 | 4.3 | 1.3 | .1 | | | | | | | | 8.9 | 4.4 |
| SW | 2.5 | 3.6 | 1.3 | .2 | | | | | | | | 7.6 | 4.8 |
| WSW | 1.9 | 2.6 | 1.4 | .3 | | | | | | | | 6.1 | 5.1 |
| W | 2.5 | 3.2 | 1.4 | .3 | | | | | | | | 7.4 | 5.0 |
| WNW | 1.5 | 2.3 | .9 | .3 | | | | | | | | 5.0 | 5.2 |
| NW | 1.4 | 2.2 | .7 | .5 | | | | | | | | 4.9 | 5.5 |
| ENW | 1.6 | 1.6 | .7 | .4 | | | | | | | | 4.2 | 5.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 19.4 | //// |
| TOTALS | 29.1 | 34.4 | 13.9 | 3.1 | .2 | | | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: SEP 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 | GE 56 | | |
| N | 5.2 | 3.3 | .9 | | | | | | | | | 9.4 | 3.6 |
| NNE | 1.1 | 1.4 | .9 | | | | | | | | | 3.4 | 4.9 |
| NE | 2.1 | 1.8 | .8 | .7 | | | | | | | | 4.9 | 4.3 |
| ENE | 1.3 | 1.1 | .9 | | | | | | | | | 3.3 | 4.7 |
| E | 1.2 | .6 | .6 | .2 | | | | | | | | 2.6 | 5.1 |
| ESE | .6 | .2 | .1 | .1 | | | | | | | | 1.0 | 4.3 |
| SE | .4 | .1 | .1 | .1 | | | | | | | | .9 | 5.0 |
| SSE | 1.0 | .1 | .1 | | | | | | | | | 1.2 | 2.9 |
| S | 1.9 | 1.1 | .1 | | | | | | | | | 3.1 | 3.1 |
| SSW | 3.7 | 3.6 | 1.3 | | | | | | | | | 8.6 | 4.2 |
| SW | 2.3 | 3.8 | 1.0 | .1 | | | | | | | | 7.2 | 4.5 |
| WSW | 2.4 | 2.9 | | .2 | | | | | | | | 5.8 | 3.7 |
| W | 2.3 | 1.1 | .1 | | | | | | | | | 4.0 | 3.4 |
| WNW | 1.3 | 1.1 | .4 | | | | | | | | | 2.9 | 4.3 |
| W | .8 | 1.4 | 1.0 | | | | | | | | | 3.2 | 5.4 |
| NW | 1.2 | 1.0 | .6 | .2 | | | | | | | | 3.0 | 5.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 35.6 | //// |
| TOTALS | 29.3 | 25.0 | 8.9 | 1.2 | | | | | | | | 100.0 | 2.7 |

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: SEP 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 | GE 56 | | |
| N | 4.7 | 3.9 | 1.1 | .1 | | | | | | | | 9.8 | 4.1 |
| NNT | 1.1 | 2.4 | .8 | | | | | | | | | 4.3 | 5.0 |
| NE | 1.4 | 3.1 | .6 | .1 | | | | | | | | 5.2 | 4.5 |
| FNE | 2.0 | .6 | .7 | .2 | | | | | | | | 3.4 | 4.2 |
| E | 1.3 | .2 | .3 | .1 | .1 | | | | | | | 2.7 | 4.6 |
| FSE | | | .2 | | | | | | | | | .2 | 8.5 |
| SE | .6 | | | | | | | | | | | .6 | 2.0 |
| SSE | .7 | .1 | | .1 | | | | | | | | .9 | 4.0 |
| S | 1.7 | 1.2 | .6 | .1 | .1 | .1 | | | | | | 3.8 | 5.5 |
| SSW | 2.2 | 1.4 | .8 | .2 | .1 | | | | | | | 5.4 | 4.4 |
| SW | 3.4 | 2.8 | .6 | | | | | | | | | 6.8 | 3.7 |
| WSW | 2.9 | 2.4 | .1 | .1 | | | | | | | | 5.6 | 3.5 |
| W | 1.3 | 1.1 | .7 | .1 | | | | | | | | 3.2 | 4.2 |
| WNW | .7 | 1.3 | .7 | .1 | | | | | | | | 2.8 | 5.4 |
| NW | .9 | 2.0 | .7 | | .1 | | | | | | | 3.7 | 5.3 |
| NNW | 1.4 | 1.7 | .2 | .1 | | | | | | | | 3.4 | 4.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALC | //////////////////////////////////// | | | | | | | | | | | 38.2 | //// |
| TOTALS | 27.0 | 24.9 | 7.9 | 1.4 | .4 | .1 | | | | | | 100.0 | 2.7 |

TOTAL NUMBER OF OBSERVATIONS: 700

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: 724J96 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(LST): 0600-0800

| 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 | | | GE 56 |
| N | 3.1 | 3.9 | 1.8 | .6 | .2 | | | | | | | 9.6 | 5.3 |
| NNE | 2.2 | 3.2 | 2.4 | .2 | | | | | | | | 8.1 | 5.5 |
| NE | 2.7 | 2.4 | 2.2 | .4 | | | | | | | | 7.4 | 5.3 |
| ENE | 1.9 | 1.6 | 1.3 | .2 | | .2 | | | | | | 5.2 | 5.9 |
| E | 1.7 | .6 | .1 | .1 | | | | | | | | 2.4 | 3.7 |
| ESE | .6 | .7 | | | | | | | | | | .9 | 2.3 |
| SE | 1.0 | .3 | | | | | | | | | | 1.3 | 2.2 |
| SSE | .7 | .6 | | | | | | | | | | 1.2 | 3.6 |
| S | 2.0 | 1.4 | .6 | .6 | | | | | | | | 4.6 | 5.0 |
| SSW | 1.4 | 2.2 | .4 | .1 | | | | | | | | 4.2 | 4.5 |
| SW | 3.0 | 2.0 | 1.0 | .3 | | | | | | | | 6.6 | 4.5 |
| WSW | 1.9 | 2.4 | 1.3 | .2 | | | | | | | | 5.9 | 5.0 |
| W | 1.6 | 1.9 | 1.0 | | | | | | | | | 4.4 | 4.5 |
| WNW | 1.0 | 1.0 | 1.0 | .4 | | | | | | | | 3.4 | 6.2 |
| NW | .9 | 2.7 | 1.0 | | | | | | | | | 4.6 | 5.2 |
| NNW | 1.9 | 1.4 | .7 | | .1 | | | | | | | 4.4 | 4.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 25.8 | //// |
| TOTALS | 27.3 | 28.2 | 14.9 | 3.2 | .3 | .2 | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 U.S. AIR FORCE
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724956 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: SEP 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 | 2.2 | 3.7 | 4.4 | 1.3 | .1 | | | | | | | 11.8 | 6.7 |
| NNE | 1.7 | 2.0 | 2.6 | .7 | | .1 | | | | | | 7.0 | 6.3 |
| NE | 1.9 | 2.6 | 2.7 | 1.3 | | | | | | | | 8.4 | 6.5 |
| ENE | 2.1 | 1.6 | 2.8 | .3 | | | | | | | | 7.2 | 6.3 |
| E | 1.1 | 2.1 | 1.7 | .4 | | | | | | | | 5.3 | 6.2 |
| ESE | 1.1 | 1.1 | .3 | .1 | | | | | | | | 2.7 | 4.4 |
| SE | .7 | 1.2 | .2 | | | | | | | | | 2.1 | 4.2 |
| SSE | .4 | .6 | .4 | .1 | | | | | | | | 1.5 | 5.6 |
| S | 1.4 | 1.2 | 1.1 | .2 | | | | | | | | 4.0 | 5.3 |
| SSW | 1.2 | 1.9 | 2.6 | .2 | | | | | | | | 5.9 | 6.3 |
| SW | .9 | 2.9 | 1.6 | .2 | .1 | | | | | | | 5.6 | 6.0 |
| WSW | 1.2 | 2.6 | 2.6 | .3 | .2 | | | | | | | 7.1 | 6.8 |
| W | 1.7 | 4.7 | 2.1 | 1.1 | | | | | | | | 8.9 | 6.5 |
| WNW | 1.1 | 1.7 | .9 | .7 | .1 | | | .1 | | | | 4.8 | 7.6 |
| W | .8 | 1.8 | 2.3 | 1.0 | .1 | | | | | | | 6.0 | 7.9 |
| WNW | .9 | 1.1 | 1.4 | 1.1 | .3 | .1 | | | | | | 5.3 | 8.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 6.3 | //// |
| TOTALS | 19.6 | 33.7 | 29.7 | 9.7 | 1.0 | .2 | | .1 | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(LST): 1200-1400

| DIRECTION (DULGREES) | 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 | 1.7 | 2.6 | 3.0 | .9 | .1 | | | | | | | 8.1 | 6.9 |
| NNE | 1.1 | 2.7 | 1.1 | .8 | | | | | | | | 5.7 | 6.0 |
| NE | .7 | 1.9 | 2.6 | .4 | .1 | | | | | | | 5.7 | 7.3 |
| ENE | 1.6 | 1.6 | 1.7 | 1.3 | | | | | | | | 6.1 | 6.7 |
| E | 1.0 | 2.0 | 2.2 | .9 | | | | | | | | 6.0 | 6.4 |
| ESE | .9 | .9 | .4 | .1 | | | | | | | | 2.3 | 5.0 |
| SE | .2 | 1.4 | .2 | | | | | | | | | 1.9 | 5.0 |
| SSE | .3 | .9 | .3 | | | | | | | | | 1.6 | 5.2 |
| S | 1.3 | 3.0 | 1.4 | .6 | | | | | | | | 6.3 | 5.9 |
| SSW | .8 | 2.1 | 2.0 | .2 | | | | | | | | 5.1 | 6.4 |
| SW | .2 | 2.4 | 2.0 | .8 | | | | | | | | 5.4 | 7.3 |
| WSW | .9 | 3.0 | 3.0 | .9 | .1 | | | | | | | 8.7 | 6.9 |
| W | 1.7 | 4.0 | 3.3 | .9 | | .7 | | | | | | 10.1 | 6.7 |
| WNW | 1.9 | 2.7 | 2.4 | 1.4 | .3 | | | .1 | | | | 8.9 | 7.8 |
| NW | 1.2 | 2.7 | 3.3 | 1.3 | .1 | | | | | | | 8.0 | 7.6 |
| NNW | .6 | 1.7 | 1.8 | .9 | .2 | | | | | | | 4.8 | 8.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.3 | //// |
| TOTALS | 15.7 | 35.4 | 30.5 | 11.3 | 1.0 | .7 | | .1 | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS: 900

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: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: SEP 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 56 |
| N | 1.1 | 2.9 | 2.2 | 1.4 | | | | | | | | 7.7 | 7.2 |
| NNE | 1.2 | 1.2 | 1.6 | .3 | | | | | | | | 4.3 | 6.2 |
| NE | .7 | 1.2 | 1.3 | .2 | | | | | | | | 3.4 | 6.2 |
| ENE | .6 | 2.4 | 2.0 | .4 | | | | | | | | 5.4 | 6.4 |
| E | 1.3 | 4.2 | 2.7 | | | | | | | | | 7.9 | 5.6 |
| ESE | 1.2 | 2.6 | .3 | | | | | | | | | 4.1 | 4.3 |
| SE | .6 | 2.0 | .9 | | | | | | | | | 3.4 | 5.5 |
| SSE | .8 | 2.2 | .8 | | | | | | | | | 3.8 | 5.0 |
| S | 1.9 | 2.2 | 2.2 | .7 | | | | | | | | 6.6 | 5.9 |
| SSW | 1.4 | 3.2 | 1.7 | .3 | | | | | | | | 6.7 | 5.4 |
| SW | 2.7 | 3.4 | 2.1 | .5 | .1 | | | | | | | 9.6 | 6.1 |
| WSW | .9 | 3.0 | 2.4 | .2 | | | | | | | | 6.6 | 6.3 |
| W | 1.9 | 3.6 | 2.3 | .7 | .2 | .1 | | | | | | 8.7 | 6.6 |
| WNW | 1.1 | 1.6 | 1.7 | 1.0 | | .1 | | | | | | 5.4 | 7.3 |
| NW | .8 | 1.9 | 2.2 | .4 | .1 | | | | | | | 6.3 | 7.2 |
| NNW | 1.0 | 1.7 | 2.1 | 1.2 | .1 | | | | | | | 6.1 | 7.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.7 | //// |
| TOTALS | 18.2 | 39.2 | 29.2 | 7.6 | .6 | .2 | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(LST): 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 | 1.1 | 3.3 | 2.2 | .4 | | | | | | | | 7.1 | 5.9 |
| NNE | 1.1 | .7 | .6 | | | | | | | | | 2.3 | 4.7 |
| NE | .3 | 1.3 | 1.0 | | | | | | | | | 2.7 | 5.5 |
| ENE | .9 | 2.6 | .9 | | | | | | | | | 4.3 | 5.2 |
| E | 3.0 | 2.3 | .7 | | | | | | | | | 6.0 | 3.6 |
| ESE | 2.6 | .7 | | | | | | | | | | 3.2 | 2.6 |
| SE | 3.2 | 1.2 | .1 | | | | | | | | | 4.6 | 3.0 |
| SSE | 3.4 | 2.9 | | | | | | | | | | 6.3 | 3.2 |
| S | 5.3 | 7.8 | 1.8 | .7 | | | | | | | | 15.1 | 4.3 |
| SSW | 4.1 | 4.0 | 1.1 | .1 | | | | | | | | 9.3 | 4.2 |
| SW | 2.1 | 1.4 | .7 | | | | | | | | | 4.2 | 4.3 |
| WSW | 1.7 | 1.4 | .7 | | | | | | | | | 3.3 | 3.7 |
| W | 1.9 | 2.2 | .6 | .7 | | | | | | | | 5.0 | 4.8 |
| WNW | 1.1 | 1.4 | .4 | .2 | | | | | | | | 3.2 | 4.8 |
| W | .7 | 1.9 | .6 | .2 | | | | | | | | 3.3 | 5.3 |
| WNW | 1.2 | 1.1 | .3 | .3 | | | | | | | | 3.0 | 5.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 16.9 | //// |
| TOTALS | 33.6 | 36.3 | 11.1 | 1.9 | | | | | | | | 107.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: SEP 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 | GE 56 | | |
| N | 2.7 | 2.9 | 1.2 | | | | | | | | | 6.4 | 4.6 |
| NNE | .7 | 1.3 | .2 | .4 | | | | | | | | 2.7 | 5.7 |
| NE | 1.3 | 2.1 | 1.3 | .3 | | | | | | | | 5.1 | 5.4 |
| ENE | 1.4 | 2.5 | .8 | | | | | | | | | 4.2 | 4.6 |
| E | 1.6 | .7 | .2 | .3 | | | | | | | | 2.8 | 4.4 |
| ESE | 1.1 | .1 | .1 | .1 | | | | | | | | 1.4 | 3.2 |
| SE | 1.2 | .8 | .2 | | | | | | | | | 2.2 | 3.4 |
| SSE | 1.6 | .1 | | | | | | | | | | 1.7 | 2.1 |
| S | 2.9 | 2.3 | .3 | | | | | | | | | 5.6 | 3.6 |
| SSW | 3.9 | 5.9 | 1.8 | .1 | | | | | | | | 11.7 | 4.4 |
| SW | 3.4 | 4.8 | 1.0 | | | | | | | | | 9.2 | 4.1 |
| WSW | 1.7 | 1.0 | .2 | .2 | | | | | | | | 2.9 | 4.6 |
| W | 1.2 | 1.7 | .1 | .1 | | | | | | | | 3.1 | 4.1 |
| WNW | .4 | 1.0 | .6 | .2 | | | | | | | | 2.4 | 5.5 |
| NW | 1.1 | 1.8 | .7 | .3 | | | | | | | | 3.9 | 5.2 |
| NNW | 1.7 | 1.7 | .3 | .2 | | | | | | | | 3.6 | 4.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 51.1 | //// |
| TOTALS | 26.8 | 30.7 | 9.1 | 2.4 | | | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724090 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(LST): 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 | 2.6 | 3.7 | 2.1 | .6 | .1 | | | | | | | 8.7 | 5.5 |
| NNE | 1.3 | 1.9 | 1.2 | .7 | | .0 | | | | | | 4.7 | 5.6 |
| NE | 1.7 | 2.1 | 1.6 | .4 | .7 | | | | | | | 5.4 | 5.7 |
| ENE | 1.5 | 1.7 | 1.4 | .4 | | .7 | | | | | | 4.9 | 5.7 |
| E | 1.5 | 1.7 | 1.0 | .2 | .0 | | | | | | | 4.5 | 5.1 |
| ESE | 1.0 | .7 | .2 | .1 | | | | | | | | 2.0 | 3.9 |
| SE | 1.0 | .9 | .2 | .0 | | | | | | | | 2.1 | 3.9 |
| SSE | 1.1 | .9 | .2 | .0 | | | | | | | | 2.3 | 3.9 |
| S | 2.2 | 2.5 | 1.0 | .2 | .0 | .0 | | | | | | 6.1 | 4.8 |
| SSW | 2.4 | 3.0 | 1.5 | .2 | .0 | | | | | | | 7.1 | 4.8 |
| SW | 2.2 | 2.9 | 1.2 | .2 | .7 | | | | | | | 6.7 | 5.0 |
| WSW | 1.7 | 2.5 | 1.2 | .2 | .0 | | | | | | | 5.7 | 5.4 |
| W | 1.6 | 2.6 | 1.3 | .4 | .7 | .7 | | | | | | 5.9 | 5.6 |
| WNW | 1.1 | 1.5 | 1.0 | .5 | .1 | .7 | | .7 | | | | 4.2 | 6.6 |
| W | .9 | 1.9 | 1.6 | .4 | .1 | | | | | | | 4.9 | 6.5 |
| WNW | 1.2 | 1.5 | .9 | .5 | .1 | .7 | | | | | | 4.2 | 6.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 20.5 | //// |
| TOTALS | 24.7 | 21.1 | 17.7 | 4.4 | .4 | .1 | | .7 | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
 LSAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS (LST): 0700-0200

| 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 | 2.7 | 5.7 | .6 | .3 | | | | | | | | 7.3 | 5.2 |
| NNE | .8 | 2.8 | 1.1 | .3 | .1 | | | | | | | 5.1 | 5.8 |
| NE | 2.7 | 1.6 | .8 | .4 | | | | | | | | 5.5 | 4.5 |
| ENE | .2 | .6 | .6 | .1 | | | | | | | | 1.6 | 6.9 |
| E | .2 | .2 | .6 | | | | | | | | | 1.1 | 6.7 |
| ESE | .8 | .1 | | | | | | | | | | .9 | 2.3 |
| SE | .3 | .2 | | | | | | | | | | .5 | 2.8 |
| SSE | .9 | .5 | | | | | | | | | | 1.4 | 3.0 |
| S | 2.0 | 1.9 | .6 | | | | | | | | | 4.5 | 4.2 |
| SSW | 3.0 | 2.4 | 1.3 | | | | | | | | | 6.7 | 4.2 |
| SW | 3.1 | 2.2 | .8 | .4 | | | | | | | | 6.5 | 4.5 |
| WSW | 2.6 | 1.9 | .6 | .2 | .1 | | | | | | | 5.5 | 4.5 |
| W | 3.3 | 3.8 | 1.7 | .9 | .1 | | | | | | | 9.8 | 5.2 |
| WNW | 1.0 | 1.1 | 1.2 | .6 | | | | | | | | 3.9 | 6.8 |
| W | .9 | 1.0 | .8 | .4 | | | | | | | | 3.0 | 5.9 |
| NNW | 1.0 | 1.3 | .4 | .1 | | | | | | | | 3.8 | 4.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 33.1 | //// |
| TOTALS | 25.7 | 25.2 | 11.2 | 4.3 | .3 | | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(IST): 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 | | | GE 56 |
| N | 4.1 | 4.7 | 1.1 | .6 | | | | | | | | 9.8 | 4.6 |
| NNE | 1.2 | 2.4 | 1.7 | .2 | .2 | | | | | | | 5.7 | 6.2 |
| NF | 1.8 | 2.4 | 1.7 | .3 | | | | | | | | 6.2 | 5.4 |
| ENE | .3 | .6 | .2 | | | | | | | | | 1.2 | 5.1 |
| E | .2 | .7 | .6 | .2 | | | | | | | | 1.5 | 7.6 |
| ESE | .3 | .1 | | | | | | | | | | .4 | 2.3 |
| SE | .4 | .4 | .1 | | | | | | | | | 1.0 | 3.7 |
| ESE | .8 | .4 | .1 | | | | | | | | | 1.3 | 3.6 |
| S | 2.8 | 2.3 | .5 | | | | | | | | | 5.6 | 3.7 |
| SSW | 1.6 | 1.4 | .8 | | | | | | | | | 3.8 | 4.5 |
| SW | 1.7 | 2.2 | 1.2 | | | | | | | | | 5.2 | 4.7 |
| WSW | 0.3 | 2.0 | .4 | .4 | .1 | | | | | | | 5.3 | 4.8 |
| W | 2.7 | 4.4 | 1.8 | .2 | .1 | | | | | | | 9.2 | 5.2 |
| WNW | .9 | 1.2 | 1.3 | .2 | .1 | | | | | | | 3.7 | 6.6 |
| NW | .8 | 1.2 | 1.1 | .3 | | | | | | | | 3.3 | 6.2 |
| NNW | 1.0 | 1.3 | .2 | | | | | | | | | 2.5 | 4.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 34.4 | //// |
| TOTALS | 22.8 | 26.7 | 12.9 | 2.7 | .5 | | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/DTIC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS (LST): 0600-0800

| 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 | | | GE 56 |
| N | 3.1 | 3.1 | 1.4 | .5 | | | | | | | | 8.2 | 4.9 |
| NNE | 1.7 | 3.7 | 2.5 | 1.1 | .1 | | | | | | | 9.0 | 6.5 |
| NE | 1.0 | 2.3 | 2.9 | .3 | | | | | | | | 7.1 | 6.1 |
| NNE | .4 | .8 | .4 | | | | | | | | | 1.6 | 5.2 |
| E | .5 | .9 | .4 | .3 | .1 | | | | | | | 2.3 | 6.6 |
| ESE | .4 | .4 | .1 | | | | | | | | | 1.0 | 4.1 |
| SE | .3 | .2 | .1 | | | | | | | | | 1.1 | 2.8 |
| SSE | 1.7 | .4 | | | | | | | | | | 2.2 | 2.9 |
| S | 1.9 | 1.7 | .6 | | | | | | | | | 4.3 | 4.0 |
| SSW | 2.3 | 2.2 | .5 | | | | | | | | | 4.9 | 4.0 |
| SW | 1.6 | 3.3 | 1.3 | .1 | | | | | | | | 6.3 | 5.1 |
| WSW | 2.5 | 1.8 | 1.3 | .2 | | | | | | | | 5.8 | 4.6 |
| W | 1.4 | 3.9 | 2.2 | .6 | .1 | | | | | | | 9.5 | 6.0 |
| WNW | .9 | 2.3 | 2.0 | .5 | | | | | | | | 6.0 | 7.0 |
| W | .6 | 1.1 | 1.8 | .3 | | | | | | | | 3.9 | 6.8 |
| NW | 1.5 | 1.7 | .5 | .1 | | | | | | | | 4.1 | 4.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 23.7 | //// |
| TOTALS | 23.4 | 29.7 | 18.4 | 4.5 | .3 | | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 0900-1100

| DIRECTION (DLOPEES) | 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 | 1.1 | 3.1 | 4.1 | 1.1 | | | | | | | | 9.4 | 7.2 |
| NNE | 1.2 | 1.5 | 3.4 | .6 | .3 | | | | | | | 7.2 | 7.4 |
| NF | .9 | 2.5 | 3.8 | 1.2 | .1 | | | | | | | 8.3 | 7.5 |
| FNE | .6 | .8 | 2.5 | 1.2 | | | | | | | | 5.1 | 8.2 |
| E | .5 | 1.2 | 1.4 | .3 | .2 | .1 | | | | | | 3.8 | 8.0 |
| ESE | .9 | .9 | .5 | .1 | | | | | | | | 2.3 | 5.2 |
| SE | .4 | .9 | .3 | | | | | | | | | 1.6 | 4.7 |
| ESE | .4 | 1.2 | .3 | .1 | | | | | | | | 2.0 | 5.5 |
| S | 1.1 | 1.4 | 1.1 | .1 | | | | | | | | 3.7 | 5.4 |
| SSW | .4 | 1.7 | 1.8 | .2 | | | | | | | | 5.5 | 6.4 |
| SW | 1.7 | 2.6 | 2.4 | .6 | .3 | | | | | | | 7.7 | 6.5 |
| SSW | .9 | 2.6 | 2.6 | 1.1 | | | | | | | | 7.1 | 7.3 |
| W | 1.6 | 2.7 | 3.2 | 1.5 | .4 | | | | | | | 8.9 | 8.0 |
| WNW | .5 | 2.7 | 3.5 | 1.6 | .2 | | | | | | | 8.0 | 8.5 |
| W | 1.2 | 1.3 | 3.5 | 2.5 | .2 | .1 | | | | | | 8.9 | 8.8 |
| WNW | .5 | 1.1 | 2.3 | 1.2 | .1 | | | | | | | 5.2 | 8.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.6 | //// |
| TOTALS | 17.9 | 28.1 | 36.6 | 17.5 | 1.9 | .7 | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
 USAF/AFM
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72409A STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-RS
 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 | 1.4 | 3.0 | 1.8 | .5 | | | | | | | | 6.8 | 5.9 |
| NNE | 1.2 | 1.5 | 2.0 | .8 | .4 | .1 | | | | | | 6.0 | 7.8 |
| NE | 1.0 | 1.7 | 1.6 | 1.2 | | | | | | | | 4.9 | 7.6 |
| NNE | .8 | .6 | 2.2 | .9 | | | | | | | | 4.4 | 7.8 |
| E | .6 | 1.3 | 2.4 | .6 | | | | | | | | 4.9 | 7.2 |
| ESE | .1 | 2.0 | .8 | | | | | | | | | 2.9 | 6.1 |
| SE | .7 | 1.1 | .3 | | .1 | | | | | | | 1.7 | 6.3 |
| SSE | .1 | 1.1 | .8 | .1 | | | | | | | | 2.2 | 6.6 |
| S | .6 | 1.9 | 1.1 | .5 | | | | | | | | 4.2 | 6.4 |
| SSW | .5 | 1.5 | 1.7 | .5 | | | | | | | | 4.1 | 6.9 |
| SW | 1.6 | 2.5 | 2.8 | 2.3 | .2 | | | | | | | 9.4 | 7.5 |
| SSW | 1.2 | 2.2 | 3.0 | 1.2 | | | | | | | | 7.6 | 7.2 |
| W | 1.2 | 2.2 | 4.5 | 4.4 | .5 | | | | | | | 12.8 | 9.4 |
| WSW | 1.4 | 1.8 | 2.9 | 2.4 | .2 | .2 | | | | | | 8.9 | 8.7 |
| W | .2 | 1.6 | 4.1 | 2.5 | .3 | | | | | | | 9.8 | 9.0 |
| WSW | 1.2 | 1.5 | 1.4 | 1.3 | .2 | | | | | | | 5.4 | 7.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.0 | //// |
| TOTALS | 13.5 | 27.1 | 33.2 | 14.6 | 2.7 | .5 | | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724996 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: OCT 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 56 |
| N | 1.7 | 3.1 | 1.8 | .5 | | | | | | | | 7.2 | 5.8 |
| NNE | 1.0 | 1.0 | 1.4 | | .2 | | | | | | | 3.5 | 6.4 |
| NE | .5 | 1.7 | .9 | .9 | | | | | | | | 3.4 | 7.1 |
| ENE | .5 | 1.1 | 1.5 | .4 | | | | | | | | 3.5 | 6.7 |
| E | 1.6 | 2.9 | 2.9 | .5 | | | | | | | | 8.7 | 6.0 |
| ESE | .9 | 1.4 | .5 | | | | | | | | | 2.8 | 4.6 |
| SE | .9 | 1.1 | .1 | | | | | | | | | 2.0 | 4.1 |
| SSE | .6 | 1.9 | .6 | .1 | | | | | | | | 3.3 | 5.3 |
| S | 1.2 | 2.3 | 1.8 | .2 | | | | | | | | 5.5 | 6.1 |
| SSW | 1.7 | 2.9 | 1.0 | .4 | | | | | | | | 5.9 | 5.1 |
| SW | .9 | 2.5 | 2.9 | .9 | .1 | | | | | | | 7.2 | 6.8 |
| WSW | .9 | 2.6 | 2.3 | 1.4 | | | | | | | | 7.1 | 7.1 |
| W | 2.7 | 2.9 | 4.3 | 2.2 | .1 | | | | | | | 11.6 | 7.3 |
| WNW | 1.0 | 2.2 | 2.4 | 2.4 | .5 | .1 | | | | | | 8.9 | 9.1 |
| NW | .8 | 1.9 | 2.4 | 1.4 | .2 | | | | | | | 6.7 | 8.1 |
| NNW | 1.3 | 1.6 | 1.7 | 1.2 | .1 | | | | | | | 5.9 | 7.0 |
| VARIABLE | | | | | | | | | | | | | |
| CLM | //////////////////// | | | | | | | | | | | 7.3 | //// |
| TOTALS | 17.6 | 22.4 | 28.9 | 12.4 | 1.3 | .1 | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 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 | | |
| N | 1.0 | 1.9 | 1.4 | .5 | .2 | | | 4.9 | 7.0 |
| NNE | .4 | 1.1 | .5 | .1 | | | | 2.2 | 5.5 |
| NE | 1.2 | .5 | .6 | .4 | | | | 2.7 | 5.9 |
| NNE | 1.6 | 1.4 | .8 | .1 | | | | 3.9 | 4.9 |
| E | 3.1 | 1.6 | .4 | .1 | | | | 5.3 | 3.5 |
| ESE | 1.4 | .5 | | | | | | 1.9 | 2.4 |
| SE | 2.3 | .5 | | | | | | 2.8 | 2.5 |
| SE | 2.5 | 1.7 | | | | | | 4.2 | 3.2 |
| S | 5.6 | 4.9 | 1.8 | .1 | | | | 12.5 | 4.1 |
| SSW | 3.2 | 3.2 | .3 | | | | | 6.8 | 3.7 |
| SW | 2.4 | 2.9 | 1.1 | .5 | | | | 6.9 | 5.0 |
| WSW | 1.7 | 2.0 | .6 | .2 | | .1 | | 4.9 | 5.5 |
| W | 1.3 | 2.7 | 1.4 | .6 | .2 | | | 6.8 | 5.9 |
| WNW | 1.6 | 1.4 | 1.3 | 1.2 | | | | 5.5 | 6.6 |
| NW | .5 | 1.8 | 1.1 | .3 | .1 | | | 4.7 | 6.4 |
| WNW | 1.0 | 1.6 | .8 | .1 | .1 | | | 3.5 | 5.4 |
| VARIABLE | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | 21.7 | //// |
| TOTALS | 31.4 | 37.1 | 12.4 | 4.4 | .6 | .1 | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 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 | | | GE 56 |
| N | 2.7 | 3.7 | 1.3 | 1.3 | .1 | | | | | | | 8.5 | 6.1 |
| NNE | 1.0 | 1.0 | .9 | .2 | .1 | | | | | | | 4.0 | 5.7 |
| NE | 2.2 | 1.0 | .5 | .4 | | | | | | | | 4.9 | 4.8 |
| ENE | 1.6 | .9 | .1 | .1 | | | | | | | | 2.7 | 3.8 |
| E | 1.4 | .6 | .8 | | | | | | | | | 2.8 | 4.2 |
| ESE | .9 | .4 | | | | | | | | | | 1.5 | 3.1 |
| SE | .5 | .2 | | | | | | | | | | .7 | 2.6 |
| SSE | 1.9 | .4 | | | | | | | | | | 2.6 | 2.7 |
| S | 2.4 | 2.0 | 1.3 | .1 | | | | | | | | 7.6 | 4.2 |
| SSW | 1.9 | 3.1 | 1.4 | .1 | | | | | | | | 6.6 | 4.9 |
| SW | 2.6 | 4.9 | .9 | | .1 | | | | | | | 6.5 | 4.5 |
| WSW | 2.5 | 1.0 | 1.7 | .4 | .1 | | | | | | | 6.6 | 5.4 |
| W | 2.6 | 2.0 | 1.3 | .3 | .3 | | | | | | | 7.0 | 5.6 |
| WNW | .9 | 1.6 | 1.2 | .6 | .2 | | | | | | | 4.5 | 7.2 |
| W | .9 | 1.7 | .9 | .2 | | | | | | | | 3.1 | 5.6 |
| WNW | .4 | .7 | .8 | .2 | | | | | | | | 2.0 | 6.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 28.4 | //// |
| TOTALS | 26.4 | 27.0 | 12.6 | 4.1 | 1.0 | | | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 74096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS (LST): ALL

| DIRECTION (DUDUEFS) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL Σ | 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 | 0.1 | 3.7 | 2.7 | .7 | .0 | | | | | | | 7.8 | 5.8 |
| NNE | 1.7 | 2.0 | 2.7 | .4 | .2 | .7 | | | | | | 5.3 | 6.6 |
| NE | 1.5 | 1.7 | 1.6 | .6 | .0 | | | | | | | 5.4 | 6.2 |
| NNE | .8 | . | 1.0 | .7 | | | | | | | | 3.0 | 6.4 |
| E | 1.0 | 1.1 | 1.2 | .3 | .0 | .7 | | | | | | 3.7 | 6.0 |
| ESE | .7 | .8 | .2 | .7 | | | | | | | | 1.7 | 4.3 |
| SE | .7 | .6 | .1 | | .7 | | | | | | | 1.4 | 3.8 |
| ESE | 1.1 | 1.7 | .2 | .0 | | | | | | | | 2.4 | 4.1 |
| S | 2.3 | 2.4 | 1.1 | .1 | | | | | | | | 6.0 | 4.6 |
| SSW | 1.5 | 2.4 | 1.1 | .1 | | | | | | | | 5.5 | 4.9 |
| SW | 1.9 | 2.6 | 1.7 | .6 | .1 | | | | | | | 6.9 | 5.7 |
| SSW | 1.5 | 2.1 | 1.6 | .6 | .0 | .7 | | | | | | 5.2 | 5.9 |
| W | 1.2 | 3.1 | 2.6 | 1.7 | .2 | | | | | | | 9.3 | 6.8 |
| WSW | 1.7 | 1.7 | 2.0 | 1.2 | .2 | .7 | | | | | | 6.2 | 7.9 |
| W | .8 | 1.4 | 1.5 | 1.1 | .1 | .3 | | | | | | 5.3 | 7.7 |
| WSW | 1.1 | 1.7 | 1.0 | .7 | .1 | | | | | | | 4.0 | 6.3 |
| VARIABLE | | | | | | | | | | | | | |
| REFL | //////////////////// | | | | | | | | | | | 19.7 | //// |
| TOTALS | 21.8 | 28.7 | 20.8 | 11.2 | 1.0 | .1 | | | | | | 100.3 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS: 7447

GENERAL CLIMATOLOGY BRANCH
 CMAFLTAG
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724094 STATION NAME: MCQUIRK AFB TX

PERIOD OF RECORD: 77-86
 MONTH: NOV 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 | GE 56 | | |
| N | 2.1 | 3.7 | 1.8 | .4 | | | | | | | | 7.6 | 5.5 |
| NNE | .5 | 1.8 | 1.6 | .8 | | | | | | | | 4.7 | 6.7 |
| N. | .5 | 1.1 | 1.7 | .3 | | | | | | | | 3.6 | 6.3 |
| NNE | 1.4 | 1.7 | 2.0 | .3 | | | | | | | | 4.9 | 6.1 |
| E | .4 | 1.7 | .7 | .2 | .1 | | | | | | | 2.4 | 7.0 |
| ESE | .4 | .2 | | .2 | | | | | | | | 1.0 | 6.0 |
| SE | .4 | .1 | | | | | | | | | | .6 | 2.8 |
| ESE | .7 | .7 | .1 | | | | | | | | | 1.1 | 7.9 |
| S | 2.7 | 3.4 | 1.7 | .1 | | | | | | | | 6.6 | 4.7 |
| SSE | 2.2 | 2.7 | .7 | .2 | | | | | | | | 5.4 | 4.6 |
| S. | 1.6 | 1.4 | .7 | .3 | | | | | | | | 4.0 | 5.1 |
| SSE | 1.4 | 2.2 | 1.1 | | | | | | | | | 4.9 | 4.7 |
| S. | 2.1 | 3.7 | 2.7 | 1.1 | .7 | | | | | | | 9.9 | 6.4 |
| SW | 1.1 | 2.1 | 3.2 | 1.3 | | | | | | | | 6.7 | 7.1 |
| WSW | 1.1 | 2.7 | 1.4 | .5 | | | | | | | | 5.8 | 6.5 |
| WSW | 1.5 | 2.1 | 1.7 | .4 | .1 | | | | | | | 5.9 | 6.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 27.3 | //// |
| TOTALS | 20.4 | 28.2 | 19.9 | 4.0 | .6 | | | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH
 USAF/AFAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATION*

STATION NUMBER: 704094 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(LST): 0700-0500

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-7 | 8-10 | 11-13 | 14-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | 0.3 | 3.4 | 1.2 | .4 | | | | | | | | 8.0 | 4.7 |
| NNE | .4 | 2.7 | 1.1 | .6 | .1 | | | | | | | 4.6 | 6.4 |
| NE | 1.2 | 1.7 | 1.7 | .7 | | | | | | | | 4.9 | 5.8 |
| NNE | .3 | 1.7 | 2.0 | .4 | | | | | | | | 4.6 | 7.0 |
| E | 1.1 | .7 | 1.0 | .4 | | | | | | | | 3.2 | 6.1 |
| ESE | .5 | .1 | .1 | | | | | | | | | .9 | 3.1 |
| SE | .7 | .3 | .1 | | | | | | | | | .7 | 4.5 |
| SSE | .6 | .7 | .1 | | | | | | | | | .9 | 3.5 |
| S | 2.7 | 1.7 | .6 | .7 | | | | | | | | 4.7 | 4.4 |
| SSW | 1.7 | 1.4 | .4 | .4 | | | | | | | | 4.7 | 5.1 |
| SW | 1.7 | 1.4 | .4 | .4 | | | | | | | | 4.9 | 5.4 |
| WSW | 1.2 | 1.7 | .4 | .1 | .1 | | | | | | | 5.0 | 5.2 |
| W | 2.7 | 2.1 | 2.7 | .4 | | | | | | | | 8.7 | 6.2 |
| WNW | 1.2 | 2.7 | 1.4 | 1.4 | .2 | .1 | | | | | | 7.0 | 7.8 |
| W | 1.1 | 1.9 | 3.2 | .7 | | | | | | | | 6.9 | 6.9 |
| WSW | 1.1 | 1.4 | 1.8 | .7 | .2 | | | | | | | 5.3 | 7.1 |
| VARIABLE | //////////////////////////////////// | | | | | | | | | | | 25.8 | //// |
| TOTALS | 27.7 | 24.1 | 19.4 | 7.6 | .7 | .1 | | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS: 927

110

WORLD CLIMATOLOGY BRANCH
 USAF/TAC
 AIF WEATHER SERVICE/MAC

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

STATION NUMBER: 704196 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(EST): 0600-0800

| 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 | | | GE 56 |
| N | 2.7 | 3.6 | 2.3 | .6 | | .1 | | | | | | 9.2 | 5.6 |
| NNE | 1.3 | 2.0 | 2.0 | .2 | | | | | | | | 5.6 | 5.6 |
| NE | 1.4 | 1.6 | 1.7 | .4 | | | | | | | | 5.1 | 5.8 |
| NNE | .7 | 1.3 | 1.1 | .7 | | | | | | | | 3.8 | 7.1 |
| E | .6 | .8 | 1.2 | .3 | | | | | | | | 3.4 | 7.2 |
| ESE | .4 | .7 | .1 | | | | | | | | | .2 | 4.3 |
| SE | .2 | .6 | | | | | | | | | | .8 | 4.3 |
| SSE | .4 | .4 | .1 | | | | | | | | | 1.0 | 3.9 |
| S | .7 | 1.4 | 1.0 | | | | | | | | | 3.1 | 4.8 |
| SSE | 1.4 | 1.7 | .7 | .6 | | | | | | | | 4.0 | 5.2 |
| SE | 1.5 | 2.1 | .6 | .4 | | | | | | | | 5.0 | 5.0 |
| SSE | 2.6 | 2.4 | 1.2 | .7 | | | | | | | | 6.9 | 5.5 |
| E | 3.0 | 3.7 | 2.1 | 1.8 | .1 | | | | | | | 7.7 | 6.7 |
| ESE | 1.4 | 3.0 | 2.7 | 2.1 | .1 | | | | | | | 8.3 | 7.0 |
| SE | 1.1 | 1.0 | 1.8 | .8 | .2 | | | | | | | 5.4 | 7.2 |
| SSE | 1.2 | 1.2 | 1.0 | 1.2 | | | | | | | | 4.7 | 7.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 22.7 | //// |
| TOTALS | 27.7 | 77.1 | 19.8 | 7.8 | .4 | .1 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS: 900

JUNIOR CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/PAL

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

STATION NUMBER: 724776 STATION NAME: MCQUIRS AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: NOV 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 | 1.2 | 2.7 | 3.7 | 2.7 | .7 | | | | | | | 10.9 | 8.5 |
| NNE | .3 | 2.7 | 1.9 | .3 | | | | | | | | 5.2 | 6.5 |
| NE | .9 | 2.7 | 2.1 | .9 | | | | | | | | 6.9 | 7.0 |
| ENE | .3 | 2.1 | 1.7 | 1.3 | | | | | | | | 5.9 | 7.2 |
| E | .7 | 1.6 | 2.1 | .7 | .2 | | | | | | | 4.3 | 7.4 |
| ESE | 1.1 | .7 | .7 | | | | | | | | | 2.2 | 5.2 |
| SE | .7 | .3 | .4 | | | | | | | | | 1.4 | 5.4 |
| SSE | .9 | .7 | .8 | .7 | | | | | | | | 2.7 | 5.5 |
| S | .7 | 1.1 | .6 | .7 | | | | | | | | 2.6 | 5.7 |
| SSW | 1.0 | 1.3 | 1.8 | .2 | | | | | | | | 4.3 | 6.3 |
| SW | .6 | .7 | 2.3 | .2 | .1 | .1 | | | | | | 4.1 | 6.2 |
| WSW | .7 | 1.7 | 3.1 | 1.3 | | | | | | | | 6.8 | 8.1 |
| W | 2.1 | 2.6 | 3.9 | 2.1 | .6 | | | | | | | 12.1 | 6.4 |
| WNW | 1.1 | 1.7 | 2.0 | 2.4 | .7 | | | | | | | 8.8 | 8.7 |
| W | .4 | 1.8 | 2.5 | 2.7 | .6 | .1 | | | | | | 9.3 | 9.8 |
| WSW | .4 | 1.7 | 2.0 | 2.5 | .3 | .1 | | | | | | 5.2 | 9.6 |
| VARIABLE | | | | | | | | | | | | | |
| ONLY | //////////////////////////////////// | | | | | | | | | | 6.0 | //// | |
| TOTAL | 12.4 | 20.7 | 34.0 | 1.0 | 2.7 | .3 | | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS: 900

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: 724097 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(LST): 1200-1400

| DIRECTION (BY GUST) | 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 | 48-56 | | |
| N | 1.1 | 5.7 | 2.7 | 1.7 | .1 | | | | | | 8.4 | 7.0 |
| NNE | .7 | 1.7 | 1.6 | .4 | | | | | | | 4.8 | 6.9 |
| NE | .4 | .9 | 1.8 | .4 | | | | | | | 3.9 | 8.0 |
| NNE | .7 | 1.7 | 1.7 | .7 | | | | | | | 4.7 | 7.5 |
| E | 1.7 | 1.7 | 2.2 | 1.0 | .1 | | | | | | 5.7 | 7.5 |
| ESE | .8 | .8 | .8 | .7 | | | | | | | 2.6 | 5.9 |
| SE | .1 | .7 | .7 | | | | | | | | 1.3 | 6.1 |
| ESE | .7 | 1.7 | .6 | .1 | | | | | | | 2.7 | 5.4 |
| S | .7 | 1.8 | 1.0 | .7 | | | | | | | 4.1 | 7.2 |
| SSW | 1.2 | .9 | 1.1 | .9 | .1 | | | | | | 4.2 | 6.9 |
| SW | 1.7 | 1.4 | 2.2 | 1.0 | | .1 | | | | | 6.2 | 7.3 |
| WSW | .7 | 1.7 | 2.1 | 1.7 | .7 | | | | | | 5.8 | 8.8 |
| W | 1.8 | 2.7 | 4.3 | 3.9 | .5 | | | | | | 13.2 | 8.9 |
| WSW | .5 | 1.7 | 3.4 | 7.7 | .9 | .1 | | | | | 10.2 | 9.9 |
| W | 1.1 | 1.4 | 5.8 | 7.4 | 1.7 | .7 | | | | | 13.1 | 10.5 |
| WSW | .8 | 1.7 | 2.8 | 2.1 | .7 | | | | | | 7.1 | 10.1 |
| VARIABLE | | | | | | | | | | | | |
| GRU" | //////////////////// | | | | | | | | | | 3.3 | //// |
| TOTAL | 17.1 | 22.4 | 34.9 | 22.7 | 3.7 | .6 | | | | | 100.0 | 8.1 |

TOTAL NUMBER OF OBSERVATIONS: 807

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

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

STATION NUMBER: 709096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: NOV 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 | | |
| N | 1.7 | 2.4 | 3.6 | 1.3 | .2 | | | 9.0 | 7.5 |
| NNE | .3 | 1.6 | .9 | .2 | | | | 3.0 | 6.4 |
| NE | .2 | 1.6 | 1.2 | .4 | | | | 3.4 | 7.1 |
| NNE | .2 | 1.6 | 1.9 | .4 | | | | 3.5 | 7.9 |
| E | 1.1 | 2.8 | 2.0 | .5 | .1 | | | 6.6 | 6.5 |
| ESE | 1.1 | 1.6 | 1.0 | | | | | 3.7 | 5.2 |
| SE | .7 | .7 | .7 | | | | | 2.3 | 4.8 |
| ESE | .7 | 1.7 | .4 | | | | | 2.4 | 4.9 |
| S | 1.5 | 2.4 | 1.1 | .5 | | | | 5.7 | 5.6 |
| SSE | 1.2 | 1.6 | 1.3 | .4 | .1 | | | 4.7 | 6.5 |
| S | 1.4 | 1.4 | 1.2 | .6 | | | | 4.7 | 6.0 |
| SSW | 1.7 | 1.6 | 2.1 | .7 | .1 | | | 5.7 | 6.8 |
| W | 1.7 | 2.9 | 3.6 | 2.2 | .1 | .1 | | 10.6 | 7.8 |
| WSW | 1.7 | 2.7 | 2.9 | 3.8 | .6 | .1 | | 11.7 | 9.4 |
| W | .7 | 2.0 | 3.4 | 2.7 | .4 | .2 | | 9.6 | 9.8 |
| WSW | 1.7 | 1.9 | 2.2 | 1.8 | .2 | .1 | | 7.6 | 8.5 |
| VARIABLE | | | | | | | | | |
| CALM | //////////////////// | | | | | | | 6.3 | //// |
| TOTALS | 15.8 | 29.7 | 30.8 | 15.4 | 1.3 | .7 | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

WORLD CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 714096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS (LST): 1800-2000

| DIRECTION (DLOGREES) | 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 | 1.4 | 2.7 | 3.6 | .8 | | | | | | | | 8.5 | 6.8 |
| NNE | 1.2 | .9 | .8 | .1 | | | | | | | | 3.0 | 4.9 |
| NEL | .8 | 1.4 | 1.6 | .1 | | | | | | | | 3.9 | 6.1 |
| ENE | .8 | 2.0 | 1.2 | .4 | | | | | | | | 4.4 | 6.3 |
| E | 1.9 | 1.8 | .9 | .6 | .1 | | | | | | | 5.2 | 5.9 |
| ESE | .8 | .7 | .6 | .3 | | | | | | | | 2.3 | 6.3 |
| SE | 1.1 | .6 | .2 | .1 | | | | | | | | 2.0 | 4.0 |
| SSE | 2.2 | .9 | 1.0 | | | | | | | | | 4.2 | 4.2 |
| S | 3.1 | 2.6 | .6 | .6 | .1 | | | | | | | 6.9 | 4.7 |
| SSW | 2.0 | 2.7 | 1.1 | .7 | | | | | | | | 6.4 | 5.3 |
| SW | 1.7 | 1.4 | .1 | .1 | | | | | | | | 3.3 | 3.9 |
| SSW | 1.0 | 1.7 | .8 | .2 | | | | | | | | 3.7 | 5.0 |
| W | 3.0 | 2.2 | 2.3 | 1.2 | .1 | | | | | | | 8.9 | 6.2 |
| WSW | .7 | 2.4 | 2.6 | 2.3 | .2 | | | | | | | 8.2 | 8.3 |
| W | 1.8 | 1.7 | 2.0 | 1.0 | .3 | | | | | | | 6.4 | 7.3 |
| WNW | 1.2 | 2.0 | 1.9 | 1.4 | .3 | | | | | | | 6.9 | 7.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALC | //////////////////// | | | | | | | | | | | 16.1 | //// |
| TOTALS | 24.5 | 26.4 | 21.1 | 10.7 | 1.2 | | | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 LSAFETAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: NOV 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 | | | GE 56 |
| N | 1.5 | 3.7 | 3.1 | .1 | | | | | | | | 8.6 | 5.9 |
| NNE | .7 | 1.9 | 1.4 | .1 | | | | | | | | 4.1 | 6.3 |
| NL | 1.1 | 1.1 | .8 | .4 | .1 | | | | | | | 3.6 | 6.5 |
| NNE | .9 | .7 | 1.9 | .1 | | | | | | | | 3.6 | 6.1 |
| E | .7 | 1.0 | 1.2 | .6 | .2 | | | | | | | 3.7 | 7.5 |
| ESE | .4 | .3 | .2 | .1 | | | | | | | | 1.1 | 5.8 |
| SE | 1.1 | .4 | .2 | .1 | | .1 | | | | | | 2.0 | 5.1 |
| SSE | .7 | .6 | .2 | | | | | | | | | 1.4 | 3.9 |
| S | 2.9 | 2.8 | .5 | .3 | | | | | | | | 6.8 | 4.7 |
| SSW | 2.9 | 1.9 | 1.3 | .6 | | | | | | | | 6.9 | 5.3 |
| SW | 1.9 | 1.1 | .6 | | | | | | | | | 4.4 | 4.6 |
| WSW | 1.4 | 1.9 | .4 | .1 | | | | | | | | 3.9 | 4.6 |
| W | 1.7 | 2.4 | 2.4 | 1.9 | .2 | | | | | | | 8.7 | 7.6 |
| WNW | 1.2 | 2.1 | 2.7 | .7 | .1 | | | | | | | 6.8 | 7.3 |
| W | 1.2 | 3.2 | 2.1 | 1.2 | .1 | | | | | | | 8.1 | 7.3 |
| WNW | 1.2 | 1.8 | 1.3 | .9 | .3 | .1 | | | | | | 5.8 | 7.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALL | //////////////////// | | | | | | | | | | | 20.7 | //// |
| TOTALS | 21.8 | 27.2 | 20.9 | 7.6 | 1.1 | .2 | | | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 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 | 1.8 | 3.1 | 2.8 | .9 | .1 | .0 | | 8.7 | 6.5 |
| NNE | .8 | 1.8 | 1.4 | .4 | .0 | | | 4.4 | 6.2 |
| NE | .9 | 1.4 | 1.5 | .5 | .0 | | | 4.3 | 6.5 |
| ENE | .9 | 1.3 | 1.7 | .6 | | | | 4.3 | 6.9 |
| E | .9 | 1.4 | 1.5 | .5 | .1 | | | 4.3 | 6.9 |
| ESE | .7 | .6 | .5 | .1 | | | | 1.8 | 5.4 |
| SE | .5 | .5 | .3 | .0 | | .0 | | 1.3 | 4.8 |
| SSE | .8 | .5 | .4 | .0 | | | | 1.9 | 4.5 |
| S | 1.7 | 2.1 | .8 | .3 | .0 | | | 5.0 | 5.1 |
| SSW | 1.7 | 1.8 | 1.1 | .5 | .0 | | | 5.1 | 5.6 |
| SW | 1.5 | 1.6 | 1.1 | .4 | .0 | .0 | | 4.6 | 5.8 |
| WSW | 1.0 | 1.9 | 1.6 | .6 | .1 | | | 5.3 | 6.3 |
| W | 0.1 | 2.8 | 3.0 | 2.0 | .2 | .0 | | 10.2 | 7.4 |
| WNW | 1.1 | 2.3 | 2.9 | 0.1 | .2 | .0 | | 8.7 | 8.3 |
| W | 1.1 | 1.9 | 2.9 | 1.7 | .4 | .1 | | 8.1 | 6.5 |
| WNW | 1.1 | 1.6 | 1.8 | 1.3 | .3 | .0 | | 6.2 | 8.1 |
| VARIABLE | | | | | | | | | |
| CALM | //////////////////// | | | | | | | 15.8 | //// |
| TOTALS | 26.7 | 26.7 | 25.0 | 1.1 | 1.5 | .7 | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS: 7200

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 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 | | | GE 56 |
| N | 1.3 | 2.6 | 2.2 | .5 | .1 | | | | | | | 6.7 | 6.5 |
| NNE | .8 | 1.7 | 1.1 | .7 | | | | | | | | 3.3 | 5.8 |
| NE | .8 | 1.2 | .6 | .6 | | | | | | | | 3.2 | 6.5 |
| NNE | .6 | .2 | .6 | .1 | | | | | | | | 1.6 | 5.5 |
| E | .4 | .7 | .4 | .4 | | | | | | | | 1.9 | 6.9 |
| ESE | .1 | .4 | .5 | .1 | | .1 | | | | | | 1.3 | 8.8 |
| SE | .4 | .1 | | .1 | | | | | | | | .9 | 4.1 |
| ESE | .9 | .4 | .2 | | | | | | | | | 1.7 | 3.7 |
| S | 1.7 | 1.1 | .5 | .7 | | | | | | | | 3.7 | 5.1 |
| SSE | 1.4 | 3.0 | 1.7 | .4 | | | | | | | | 6.1 | 5.1 |
| SE | 3.7 | 1.6 | 2.2 | 1.4 | | | | | | | | 8.5 | 6.0 |
| SE | .5 | 1.3 | 1.4 | .4 | | | | | | | | 3.9 | 6.3 |
| W | 2.1 | 2.8 | 2.4 | 1.0 | .5 | .3 | | | | | | 11.4 | 8.7 |
| WSW | 1.7 | 2.4 | 2.5 | 1.7 | 1.3 | .3 | | | | | | 10.5 | 9.4 |
| W | 1.0 | 3.7 | 2.7 | 1.4 | .5 | | | | | | | 9.6 | 8.5 |
| WSW | .9 | 0.3 | 2.0 | .3 | .3 | | | | | | | 5.6 | 7.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 20.1 | //// |
| TOTALS | 17.6 | 25.0 | 22.5 | 11.1 | 2.8 | .3 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 530

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: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 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 | GE 56 | | |
| N | 1.7 | 1.7 | 1.2 | .5 | | | | | | | | 4.7 | 6.0 |
| NNE | 1.2 | 2.7 | 1.8 | .4 | | | | | | | | 5.7 | 6.2 |
| NE | 1.2 | 1.4 | .9 | .6 | .2 | | | | | | | 4.3 | 6.5 |
| NNE | .4 | .6 | | | | | | | | | | 1.2 | 3.5 |
| E | .7 | .4 | .2 | .4 | | | | | | | | 1.4 | 7.2 |
| ESE | .7 | .5 | .9 | | | | | | | | | 1.6 | 6.7 |
| SE | .2 | .3 | | | | | | | | | | .5 | 3.4 |
| SSE | 1.7 | .1 | .2 | | | | | | | | | 1.3 | 3.5 |
| S | 1.8 | .6 | .3 | .4 | | | | | | | | 3.2 | 4.7 |
| SSW | 1.6 | 2.7 | .5 | .2 | | | | | | | | 4.4 | 4.6 |
| SW | 1.6 | 3.2 | .9 | 1.2 | | | | | | | | 6.7 | 5.8 |
| WSW | 2.1 | 1.6 | 1.1 | 1.1 | .1 | | | | | | | 5.9 | 6.2 |
| W | 2.3 | 1.9 | 3.4 | 1.7 | .1 | .1 | | | | | | 12.3 | 6.8 |
| WNW | 1.7 | 3.7 | 3.4 | 3.1 | .4 | .4 | .1 | | | | | 12.7 | 9.3 |
| W | 1.5 | 2.4 | 2.0 | 1.2 | .8 | .2 | | | | | | 8.1 | 8.2 |
| WNW | .4 | 2.0 | 1.1 | .5 | .1 | | | | | | | 4.5 | 7.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALC | //////////////////////////////////// | | | | | | | | | | | 21.5 | //// |
| TOTALS | 19.5 | 27.1 | 18.0 | 12.0 | 1.7 | .4 | .1 | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAG

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

STATION NUMBER: 724095 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | | |
| N | 1.2 | 1.0 | 1.3 | .6 | | | | 5.1 | 6.4 |
| NNE | .5 | 2.0 | .8 | .3 | | | | 3.7 | 6.2 |
| NE | 1.3 | 1.3 | 1.2 | 1.0 | .1 | | | 5.4 | 6.5 |
| ENE | .6 | 1.1 | .3 | | | | | 2.0 | 4.7 |
| E | .7 | .5 | .5 | .4 | | | | 1.8 | 6.9 |
| ESE | .3 | .4 | .4 | .4 | | | | 1.6 | 7.7 |
| SE | .5 | .1 | .1 | | | | | .8 | 3.6 |
| SSE | 1.1 | .2 | | | | | | 1.3 | 2.3 |
| S | .6 | 1.1 | 1.0 | .2 | | | | 2.9 | 5.9 |
| SSW | 1.0 | 1.7 | 1.2 | .2 | | | | 4.1 | 5.6 |
| SW | 2.7 | 2.5 | 1.7 | .5 | .2 | | | 7.2 | 5.8 |
| WSW | 1.7 | 2.7 | 1.4 | .9 | .2 | | | 6.7 | 6.6 |
| W | 2.5 | 3.0 | 2.9 | 2.0 | .5 | .2 | | 11.2 | 7.6 |
| WNW | 1.7 | 2.7 | 2.2 | 3.1 | .9 | .2 | | 10.9 | 9.1 |
| W | 1.1 | 1.9 | 2.4 | 2.2 | .5 | .1 | | 8.2 | 8.9 |
| WNW | 1.1 | 1.9 | 1.8 | .4 | .3 | .5 | | 6.1 | 6.6 |
| VARIABLE | | | | | | | | | |
| CALM | //////////////////// | | | | | | | 21.3 | //// |
| TOTALS | 18.7 | 25.1 | 19.1 | 12.5 | 2.8 | 1.1 | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(LOCAL): 0900-1100

| DIRECTION (DEGREEE) | 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 | 1.7 | 1.0 | 2.5 | 2.2 | .1 | .2 | | | | | | 7.4 | 8.7 |
| NNE | 1.0 | .8 | 1.1 | .3 | .1 | | | | | | | 3.2 | 6.5 |
| NE | .8 | 1.7 | 1.5 | 1.2 | | | | | | | | 5.2 | 7.4 |
| ENE | .5 | .5 | 1.3 | .3 | | | | | | | | 2.8 | 6.8 |
| E | 1.0 | 1.4 | 1.2 | .6 | .1 | | | | | | | 4.3 | 7.0 |
| ESE | .4 | .7 | .4 | .3 | | | | | | | | 1.5 | 6.6 |
| SE | .1 | .7 | .1 | | | | | | | | | .5 | 5.0 |
| SSE | .2 | .5 | | .7 | | | | | | | | 1.0 | 5.8 |
| S | .8 | 1.6 | .9 | .4 | | | | | | | | 3.8 | 5.9 |
| SSW | .8 | 1.2 | 1.6 | .9 | | | | | | | | 4.4 | 7.1 |
| SW | 1.2 | 1.5 | 1.7 | .6 | .1 | | | | | | | 5.2 | 6.9 |
| WSW | 1.1 | 2.7 | 4.1 | 1.1 | | .1 | | | | | | 9.0 | 7.6 |
| W | .6 | 2.8 | 3.8 | 3.4 | .9 | .7 | | | | | | 12.3 | 9.9 |
| WNW | 1.3 | 1.8 | 2.6 | 4.0 | 1.4 | .4 | .1 | | | | | 11.8 | 10.7 |
| NW | .7 | 1.7 | 2.0 | 4.0 | 1.1 | .7 | .1 | | | | | 10.5 | 11.1 |
| WNW | 1.6 | 1.1 | 2.4 | 2.5 | .3 | .3 | | | | | | 8.2 | 9.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 8.9 | //// |
| TOTALS | 13.7 | 20.8 | 28.2 | 22.0 | 4.1 | 1.6 | .2 | | | | | 100.0 | 7.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: DEC 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 | 1.2 | 1.7 | 2.4 | 1.8 | .1 | | | | | | | 6.8 | 6.1 |
| NNE | .9 | .5 | 1.5 | .7 | | | | | | | | 3.8 | 7.5 |
| NE | .9 | 2.7 | 1.0 | 1.1 | | | | | | | | 4.8 | 7.5 |
| NNE | .7 | .5 | .6 | .6 | | | | | | | | 2.2 | 6.1 |
| E | .5 | .5 | 1.2 | .9 | .1 | | | | | | | 2.2 | 8.2 |
| ESE | .6 | .6 | .5 | .7 | | | | | | | | 2.2 | 5.9 |
| SE | .3 | .8 | .4 | | | | | | | | | 1.9 | 4.5 |
| SSE | .2 | .4 | .1 | | | | | | | | | .8 | 4.3 |
| S | .4 | 1.4 | 1.1 | .1 | | | | | | | | 3.0 | 6.1 |
| SSE | .5 | .6 | 1.5 | .2 | | | | | | | | 3.7 | 6.7 |
| SW | .7 | 2.7 | 2.6 | 1.5 | .2 | | | | | | | 5.9 | 7.2 |
| SSW | .3 | 2.4 | 3.7 | 2.0 | .4 | | | | | | | 8.7 | 8.7 |
| W | 1.1 | 2.9 | 6.1 | 4.4 | .9 | .5 | .1 | | | | | 16.1 | 10.0 |
| WNW | .5 | 2.2 | 3.5 | 4.8 | 2.7 | 1.7 | .2 | | | | | 15.1 | 12.5 |
| W | .5 | .8 | 3.4 | 4.4 | .2 | .3 | .2 | | | | | 11.2 | 11.3 |
| WSW | .8 | 1.4 | 2.2 | 2.6 | .9 | .4 | | | | | | 8.2 | 10.8 |
| VARIABLE | | | | | | | | | | | | | |
| CPM | //////////////////// | | | | | | | | | | | 3.7 | //// |
| TOTALS | 17.7 | 27.1 | 31.5 | 21.6 | 6.1 | 2.4 | .5 | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS: 330

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: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: DEC 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 | | |
| N | 1.4 | 2.4 | 1.7 | .8 | | | | | 6.2 | 6.1 |
| NNE | .9 | .8 | 1.3 | .2 | | | | | 3.2 | 6.6 |
| NE | .6 | 1.4 | 1.0 | .7 | .1 | | | | 3.8 | 6.3 |
| NNE | .6 | 1.7 | .4 | .8 | | | | | 3.5 | 6.7 |
| E | 1.1 | 1.6 | 1.0 | .3 | .4 | | | | 4.4 | 7.0 |
| ESE | .9 | .2 | .2 | | | | | | 1.3 | 4.3 |
| SE | .1 | .4 | .1 | | | | | | .6 | 5.2 |
| SSE | .8 | .4 | .2 | | | | | | 1.4 | 3.8 |
| S | 1.7 | 1.5 | .6 | | .2 | | | | 4.1 | 5.2 |
| SSW | 1.4 | 2.5 | 1.4 | .1 | | | | | 5.4 | 5.1 |
| SW | .6 | 2.0 | 2.5 | .6 | .7 | | | | 6.1 | 7.6 |
| SSW | 1.1 | 2.4 | 2.2 | 1.2 | | | | | 6.9 | 7.1 |
| W | 1.7 | 4.3 | 4.2 | 2.8 | | .1 | .1 | | 13.1 | 9.0 |
| WSW | .9 | 2.8 | 4.7 | 4.5 | 1.6 | 1.1 | .1 | | 15.7 | 11.1 |
| W | 1.2 | 2.5 | 4.2 | 7.2 | .6 | .9 | .1 | | 12.6 | 9.7 |
| WNW | 1.7 | 1.1 | 1.5 | 1.9 | .6 | | | | 6.9 | 9.0 |
| VARIABLE | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | 5.9 | //// |
| TOTALS | 15.2 | 27.7 | 27.7 | 16.9 | 4.0 | 1.7 | .1 | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GENERAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AID WEATHER SERVICE/MAC

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

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS (LST): 1800-2000

| DIRECTION (ALG/REFS) | 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 | 1.7 | 1.9 | 2.2 | .5 | | | | | | | | 5.9 | 6.6 |
| NNE | 1.3 | 1.7 | 1.5 | .9 | | | | | | | | 4.2 | 6.3 |
| NE | 1.7 | 1.6 | .6 | .4 | | | | | | | | 3.7 | 4.9 |
| NNE | .5 | .5 | .3 | .2 | | | | | | | | 1.7 | 5.2 |
| E | 1.4 | 1.2 | .4 | .1 | .5 | .1 | | | | | | 4.0 | 7.7 |
| ESE | .9 | .7 | .1 | .1 | | | | | | | | 1.3 | 4.5 |
| SE | .5 | .7 | .3 | .1 | | | | | | | | 1.4 | 4.6 |
| ESE | 1.8 | .6 | .7 | | | | | | | | | 2.3 | 3.5 |
| S | 2.4 | 2.7 | .9 | .1 | | | | | | | | 6.0 | 4.1 |
| SSW | 1.4 | 2.6 | 1.8 | .6 | .1 | | | | | | | 6.6 | 6.1 |
| SW | 1.2 | 2.9 | 1.6 | .2 | .1 | | | | | | | 6.0 | 5.8 |
| WSW | 1.7 | 1.1 | .3 | .7 | .1 | | | | | | | 3.4 | 4.8 |
| W | 2.7 | 4.8 | 2.2 | 1.5 | .9 | .1 | | | | | | 12.6 | 7.2 |
| WNW | 1.4 | 3.1 | 3.8 | 2.4 | .5 | .5 | | | | | | 11.1 | 9.3 |
| W | 1.4 | 2.7 | 3.7 | 1.6 | .8 | .1 | | | | | | 9.9 | 9.4 |
| WNW | .5 | 1.7 | 1.2 | 1.7 | .1 | | | | | | | 4.9 | 8.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 15.1 | //// |
| TOTAL | 21.6 | 29.0 | 20.0 | 10.4 | 3.1 | 1.7 | | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 APO WEAATHER SERVICE/MAC

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

STATION NUMBER: 77479E STATION NAME: MCQUIRK AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: DEC 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 | GE 56 | | |
| N | 1.5 | 2.4 | 2.6 | .5 | | | | | | | | 7.5 | 6.3 |
| NNE | .6 | 1.2 | .8 | .7 | | | | | | | | 2.9 | 6.1 |
| NE | .7 | 1.7 | .9 | .7 | | | | | | | | 2.4 | 6.6 |
| ENE | .9 | .7 | .2 | .2 | | | | | | | | 1.6 | 4.7 |
| E | .7 | 1.7 | .8 | .4 | .7 | .1 | | | | | | 3.4 | 8.2 |
| ESE | .6 | .1 | | .2 | | | | | | | | 1.7 | 4.9 |
| SE | .4 | .2 | | .7 | | | | | | | | .9 | 5.5 |
| SSE | .4 | .1 | .4 | .1 | | | | | | | | 1.1 | 5.8 |
| S | 2.6 | 1.5 | .6 | .2 | | | | | | | | 4.9 | 4.7 |
| SSW | 1.4 | 2.5 | 1.3 | .4 | | | | | | | | 5.6 | 5.7 |
| SW | 2.5 | 2.7 | 1.6 | 1.7 | .3 | | | | | | | 8.1 | 6.3 |
| WSW | 1.7 | 1.7 | .8 | .5 | | | | | | | | 4.0 | 6.0 |
| W | 1.7 | 2.7 | 2.5 | 2.2 | .4 | .3 | | | | | | 8.8 | 6.5 |
| WNW | 1.5 | 2.8 | 2.3 | 2.8 | 1.1 | .3 | | | | | | 10.8 | 9.4 |
| W | .5 | 1.5 | 3.7 | 2.7 | .4 | | | | | | | 9.5 | 8.5 |
| WW | 1.1 | 1.7 | 1.6 | .6 | .3 | | | | | | | 5.7 | 7.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.9 | //// |
| TOTAL | 15.4 | 24.4 | 19.5 | 11.2 | 2.9 | .9 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 507

GLOBAL CLIMATOLOGY BRANCH
 USAF 74C
 AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 74494 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 77-86
 MONTH: DEC 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 | | | GE 56 |
| N | 1.3 | 1.9 | 2.0 | 1.7 | .0 | .0 | | | | | | 6.3 | 6.9 |
| NNE | .9 | 1.2 | 1.2 | .4 | .0 | | | | | | | 3.7 | 6.4 |
| NE | .9 | 1.5 | 1.0 | .6 | .1 | | | | | | | 4.0 | 6.6 |
| ENE | .6 | .6 | .5 | .7 | | | | | | | | 2.7 | 5.9 |
| E | .7 | .9 | .7 | .1 | .2 | .0 | | | | | | 3.1 | 7.4 |
| ESE | .5 | .4 | .4 | .2 | | .0 | | | | | | 1.5 | 6.3 |
| SE | .4 | .7 | .1 | .1 | | | | | | | | .9 | 4.5 |
| SSE | .7 | .4 | .2 | .1 | | | | | | | | 1.3 | 3.9 |
| S | 1.5 | 1.9 | .8 | .2 | .0 | | | | | | | 4.0 | 5.0 |
| SSW | 1.2 | 2.1 | 1.3 | .4 | .0 | | | | | | | 4.9 | 5.7 |
| SW | 1.6 | 2.2 | 1.8 | .9 | .2 | | | | | | | 6.7 | 6.6 |
| WSW | 1.2 | 2.1 | 1.8 | .4 | .1 | .0 | | | | | | 6.0 | 7.0 |
| W | 1.9 | 3.7 | 3.5 | 2.0 | .5 | .3 | .0 | | | | | 12.2 | 9.3 |
| WNW | 1.2 | 2.7 | 3.1 | 3.4 | 1.2 | .0 | .1 | | | | | 12.3 | 10.3 |
| NW | 1.1 | 2.1 | 3.1 | 2.0 | .7 | .0 | .1 | | | | | 9.9 | 5.4 |
| WNW | .9 | 1.7 | 1.8 | 1.9 | .4 | .0 | | | | | | 6.3 | 4.7 |
| VARIABLE | | | | | | | | | | | | | |
| CUM | //////////////////// | | | | | | | | | | | 14.9 | //// |
| TOTAL | 15.3 | 24.7 | 23.7 | 15.4 | 3.4 | 1.0 | .1 | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS: 744

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMPC/AFMPC
 410 WEATHER SERVICE/MAC

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

STATION NUMBER: 70496 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-87
 MONTHS: ALL HOURS: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-7 | 8-10 | 11-15 | 16-20 | 21-25 | 26-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | | |
| N | 11.7 | 2.7 | 2.7 | 1.0 | 1.1 | 1.0 | | | | | | 18.7 | 6.5 |
| NNE | 1.7 | 1.9 | 1.1 | 1.9 | 1.1 | 1.1 | | | | | | 10.7 | 6.4 |
| NW | 1.7 | 1.7 | 1.1 | 1.9 | 1.0 | 1.0 | | | | | | 10.7 | 6.4 |
| ENE | 1.7 | 1.1 | 1.0 | 1.9 | 1.1 | 1.0 | 1.0 | | | | | 10.4 | 6.5 |
| E | 11.7 | 1.9 | 1.0 | 1.9 | 1.1 | 1.0 | | | | | | 18.7 | 6.2 |
| ESE | 1.7 | 1.7 | 1.0 | 1.1 | 1.0 | 1.0 | | | | | | 10.7 | 6.9 |
| SE | 1.7 | 1.7 | 1.3 | 1.1 | 1.0 | 1.0 | | | | | | 11.9 | 6.5 |
| SSE | 11.1 | 1.0 | 1.9 | 1.1 | 1.0 | | | | | | | 20.4 | 6.4 |
| S | 11.7 | 1.7 | 1.0 | 1.7 | 1.0 | 1.0 | 1.0 | | | | | 18.7 | 5.0 |
| SSW | 11.7 | 1.7 | 1.1 | 1.9 | 1.0 | | | | | | | 18.9 | 5.1 |
| WSW | 11.7 | 1.7 | 1.9 | 1.7 | 1.1 | 1.0 | 1.0 | | | | | 18.1 | 5.8 |
| W | 11.9 | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 | | | | | | 18.6 | 6.2 |
| WSW | 11.7 | 1.7 | 1.1 | 1.1 | 1.7 | 1.1 | 1.0 | | | | | 18.2 | 7.3 |
| SW | 11.7 | 1.7 | 1.1 | 1.1 | 1.7 | 1.7 | 1.0 | 1.0 | | | | 18.7 | 6.8 |
| SSW | 11.1 | 1.1 | 1.9 | 1.7 | 1.9 | 1.1 | 1.0 | | | | | 18.7 | 6.4 |
| SWW | 11.1 | 1.7 | 1.1 | 1.1 | 1.7 | 1.7 | 1.0 | | | | | 18.7 | 7.7 |
| Variable | | | | | | | | | | | | 1.0 | 9.0 |
| TOTAL | | | | | | | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 57441

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: 734094 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87
 MONTH: ALL HOURS(LST): 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 % | 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 | 1.2 | 2.6 | 2.1 | 1.2 | .1 | .0 | | | | | | 7.3 | 7.1 |
| NNE | 1.0 | 2.2 | 2.2 | 1.2 | .7 | .0 | | | | | | 6.9 | 7.7 |
| NE | 1.1 | 2.4 | 3.5 | 1.6 | .1 | .1 | | | | | | 9.3 | 7.7 |
| NNE | 1.4 | 2.9 | 3.4 | 1.9 | .2 | .1 | .0 | | | | | 10.5 | 7.9 |
| E | 2.3 | 3.4 | 3.5 | 1.6 | .7 | .1 | | | | | | 11.4 | 7.0 |
| ESE | 1.4 | 1.7 | 1.0 | .4 | .1 | .0 | | | | | | 4.2 | 5.8 |
| SE | 1.1 | 1.1 | .7 | .2 | .0 | .0 | | | | | | 3.1 | 5.4 |
| SSE | 1.1 | 1.2 | .9 | .2 | .0 | | | | | | | 2.7 | 5.5 |
| S | 2.0 | 2.0 | 1.7 | .7 | .2 | .0 | .0 | | | | | 6.6 | 6.4 |
| SSE | 1.5 | 1.4 | 1.1 | .3 | .0 | | | | | | | 4.8 | 5.5 |
| SE | 1.2 | 1.5 | .9 | .7 | .0 | | | | | | | 4.2 | 5.6 |
| SSE | 1.1 | 1.7 | .8 | .4 | .1 | .0 | | | | | | 3.6 | 6.1 |
| S | 1.1 | 1.2 | .0 | .1 | .2 | .0 | | | | | | 2.9 | 6.6 |
| SSE | .0 | .0 | .6 | .4 | .1 | .0 | | .0 | | | | 2.5 | 7.5 |
| SE | .0 | .0 | .7 | .4 | .1 | .0 | | | | | | 2.6 | 7.5 |
| SSE | .7 | 1.0 | .8 | .4 | .1 | .0 | | | | | | 3.0 | 6.9 |
| VARIABLE | | | | | | | | | | | | | |
| CAFM | //////////////////// | | | | | | | | | | | 12.9 | //// |
| TOTALS | 19.1 | 24.1 | 25.4 | 11.7 | 1.9 | .4 | .0 | .0 | | | | 107.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS: 21727

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CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

| | | |
|-----------|---|-------|
| CLEAR | - | 0/10 |
| SCATTERED | - | 3/10 |
| BROKEN | - | 9/10 |
| OVERCAST | - | 10/10 |
| OBSCURED | - | 10/10 |

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724056 STATION NAME: MCCUIRE AFB TX

PERIOD OF RECORD: 74-87
MONTH: JAN HOURS(LST): 0000-0200

| CEILING IN FEET | GE 1 | GE 1/4 | GE 1/2 | GE 3/4 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | 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 7/16 | GE 1/4 | GE 0 | |
| NO CEIL | 8.4 | 47.5 | 48.6 | 48.6 | 49.0 | 49.0 | 49.0 | 49.0 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 |
| GE 0000 | 9.6 | 53.1 | 54.3 | 54.5 | 54.7 | 54.7 | 54.7 | 54.7 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| GE 1000 | 8.6 | 53.3 | 54.5 | 54.7 | 54.9 | 54.9 | 54.9 | 54.9 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| GE 1500 | 8.6 | 53.3 | 54.5 | 54.7 | 54.9 | 54.9 | 54.9 | 54.9 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| GE 2000 | 8.6 | 53.8 | 54.9 | 55.2 | 55.4 | 55.4 | 55.4 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| GE 2500 | 8.6 | 54.0 | 55.2 | 55.4 | 55.7 | 55.7 | 55.7 | 55.7 | 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 3000 | 8.8 | 56.1 | 57.4 | 57.7 | 58.3 | 58.3 | 58.3 | 58.3 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| GE 3500 | 8.8 | 56.6 | 57.8 | 58.2 | 58.7 | 58.7 | 58.7 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 4000 | 8.9 | 59.0 | 60.5 | 61.0 | 61.7 | 61.7 | 61.7 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| GE 4500 | 9.0 | 60.6 | 62.2 | 62.6 | 63.3 | 63.3 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| GE 5000 | 9.0 | 61.7 | 63.3 | 63.8 | 64.5 | 64.5 | 64.5 | 64.5 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 5500 | 9.0 | 63.7 | 65.3 | 65.9 | 66.7 | 66.8 | 66.8 | 66.8 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| GE 6000 | 9.5 | 68.4 | 70.2 | 71.3 | 72.5 | 72.6 | 72.6 | 72.6 | 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 6500 | 9.6 | 70.2 | 72.3 | 73.8 | 75.3 | 75.5 | 75.5 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| GE 7000 | 9.7 | 72.6 | 74.8 | 76.6 | 78.1 | 78.3 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 7500 | 9.8 | 73.2 | 75.4 | 77.3 | 78.8 | 79.1 | 79.2 | 79.2 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 8000 | 9.8 | 75.1 | 77.2 | 79.1 | 80.6 | 81.0 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 8500 | 9.8 | 76.8 | 79.0 | 81.0 | 82.6 | 82.9 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 9000 | 9.9 | 76.8 | 79.1 | 81.1 | 82.7 | 83.0 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 9500 | 10.3 | 78.4 | 80.9 | 82.6 | 84.4 | 84.7 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 10000 | 10.7 | 78.6 | 81.4 | 83.9 | 85.5 | 85.8 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 10500 | 10.7 | 78.6 | 81.7 | 84.2 | 85.9 | 86.2 | 86.7 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 11000 | 10.3 | 79.1 | 82.1 | 84.5 | 86.6 | 86.9 | 87.3 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 11500 | 10.3 | 79.7 | 82.7 | 85.3 | 87.6 | 88.1 | 88.9 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 12000 | 10.3 | 79.8 | 83.0 | 85.8 | 88.0 | 88.4 | 89.2 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 12500 | 10.3 | 79.8 | 83.7 | 85.8 | 88.2 | 88.7 | 89.7 | 90.2 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 13000 | 10.7 | 79.8 | 83.1 | 85.7 | 88.6 | 89.2 | 90.2 | 91.2 | 91.7 | 92.3 | 92.9 | 93.0 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| GE 13500 | 10.3 | 79.8 | 83.1 | 85.7 | 88.7 | 89.5 | 91.1 | 92.4 | 92.7 | 93.4 | 94.2 | 94.7 | 94.8 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 14000 | 10.7 | 79.8 | 83.1 | 85.7 | 89.4 | 90.3 | 93.0 | 94.2 | 94.9 | 95.7 | 96.6 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 14500 | 10.3 | 79.8 | 83.1 | 85.7 | 89.5 | 90.4 | 93.2 | 94.6 | 95.5 | 96.2 | 97.0 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 15000 | 10.7 | 79.8 | 83.1 | 85.7 | 89.5 | 90.4 | 93.2 | 94.6 | 95.5 | 96.3 | 97.2 | 97.3 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS: 931

LOCAL CLIMATOLOGY BRANCH
 CSAF/ETAC
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: M. UJIA AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JAN HOURS(LST): 0300-0500

| CEILING IN FEET | 1 | CE 20 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | VISIBILITY IN STATUTE MILES | | | | | | | | | | | |
|-----------------------|---|----------|---------|---------|---------|---------|---------|-------------|-----------------------------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|------|------|
| | | | | | | | | | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 7/8 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CEIL | 1 | 7.6 | 46.1 | 47.5 | 47.7 | 48.1 | 48.1 | 48.2 | 48.5 | 48.5 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| GE 2000 | 1 | 8.1 | 52.2 | 51.7 | 52.9 | 52.3 | 52.3 | 52.4 | 52.7 | 52.7 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 |
| GE 1800 | 1 | 8.2 | 52.6 | 52.2 | 52.4 | 52.7 | 52.7 | 52.8 | 53.1 | 53.1 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| GE 1600 | 1 | 8.2 | 52.9 | 52.4 | 52.6 | 52.9 | 52.9 | 53.0 | 53.3 | 53.3 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| GE 1400 | 1 | 8.2 | 52.2 | 52.7 | 52.9 | 53.2 | 53.2 | 53.3 | 53.7 | 53.7 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| GE 1200 | 1 | 8.2 | 53.2 | 53.2 | 53.4 | 53.4 | 53.4 | 53.8 | 53.8 | 54.2 | 54.2 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| GE 1000 | 1 | 8.2 | 53.8 | 53.3 | 53.5 | 53.8 | 53.8 | 53.9 | 54.2 | 54.2 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 900 | 1 | 8.2 | 54.1 | 53.8 | 53.8 | 54.1 | 54.1 | 54.2 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| GE 800 | 1 | 8.2 | 54.9 | 54.5 | 54.7 | 54.7 | 54.7 | 54.7 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| GE 700 | 1 | 8.2 | 57.6 | 59.4 | 59.6 | 59.9 | 59.9 | 60.0 | 60.3 | 60.3 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| GE 600 | 1 | 8.2 | 59.6 | 60.3 | 60.5 | 60.5 | 60.5 | 60.9 | 61.1 | 61.4 | 61.4 | 61.6 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| GE 500 | 1 | 8.4 | 63.5 | 62.4 | 62.6 | 63.2 | 63.2 | 63.4 | 63.8 | 63.8 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 400 | 1 | 8.7 | 65.3 | 67.2 | 68.2 | 68.9 | 68.8 | 69.0 | 69.4 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| GE 300 | 1 | 8.9 | 67.1 | 69.6 | 70.9 | 71.6 | 71.6 | 71.9 | 72.3 | 72.3 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 200 | 1 | 9.2 | 72.0 | 73.0 | 74.6 | 75.7 | 75.6 | 76.2 | 76.6 | 76.6 | 77.0 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 100 | 1 | 9.7 | 72.2 | 75.3 | 77.0 | 76.5 | 78.6 | 79.1 | 79.5 | 79.5 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| GE 2000 | 2 | 9.2 | 73.7 | 76.8 | 75.7 | 80.3 | 80.5 | 81.2 | 81.5 | 81.5 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 1800 | 2 | 9.2 | 74.6 | 77.7 | 79.8 | 81.5 | 81.9 | 82.7 | 83.0 | 83.1 | 83.4 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 1600 | 2 | 9.2 | 74.7 | 77.3 | 80.0 | 81.7 | 82.2 | 82.9 | 83.3 | 83.3 | 83.8 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 1400 | 2 | 9.4 | 76.0 | 79.7 | 81.4 | 83.2 | 83.8 | 84.8 | 85.4 | 85.4 | 85.8 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 1200 | 2 | 9.5 | 77.2 | 80.6 | 83.2 | 85.2 | 85.8 | 87.1 | 87.6 | 87.6 | 88.1 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 1000 | 2 | 9.5 | 77.5 | 81.0 | 83.3 | 85.6 | 86.2 | 87.5 | 88.1 | 88.2 | 88.7 | 88.9 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 900 | 2 | 9.5 | 77.6 | 81.1 | 83.4 | 85.9 | 86.7 | 88.0 | 88.5 | 88.6 | 89.1 | 89.4 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 800 | 2 | 9.5 | 79.1 | 81.5 | 84.5 | 87.1 | 88.1 | 89.5 | 90.4 | 90.4 | 90.5 | 91.1 | 91.3 | 91.3 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 700 | 2 | 9.5 | 78.2 | 82.1 | 84.7 | 87.6 | 88.6 | 90.0 | 91.0 | 91.1 | 91.6 | 91.8 | 91.8 | 92.3 | 92.3 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 600 | 2 | 9.5 | 73.2 | 82.0 | 84.7 | 87.6 | 88.6 | 90.0 | 91.0 | 91.1 | 91.7 | 92.3 | 92.3 | 92.7 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 500 | 2 | 9.5 | 73.3 | 82.2 | 84.8 | 88.4 | 89.7 | 91.3 | 92.4 | 92.5 | 93.1 | 93.7 | 93.9 | 94.5 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 400 | 2 | 9.5 | 74.3 | 82.2 | 84.9 | 88.5 | 89.8 | 92.0 | 93.1 | 93.2 | 94.1 | 94.9 | 94.9 | 95.6 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 300 | 2 | 9.5 | 76.3 | 82.2 | 85.1 | 88.6 | 89.8 | 92.2 | 92.8 | 94.1 | 94.3 | 95.4 | 96.2 | 96.2 | 97.2 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 200 | 2 | 9.5 | 78.3 | 82.2 | 85.1 | 89.1 | 89.5 | 92.5 | 93.2 | 94.7 | 95.3 | 96.6 | 97.4 | 97.4 | 98.4 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 100 | 2 | 9.5 | 75.3 | 82.2 | 85.1 | 89.5 | 89.5 | 93.2 | 94.7 | 95.3 | 96.6 | 97.6 | 97.5 | 98.6 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 744096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0600-0800

| 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 | 5.6 | 47.9 | 42.0 | 43.0 | 47.2 | 43.3 | 47.3 | 43.4 | 47.4 | 43.4 | 47.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| GE 0000 | 5.6 | 45.2 | 46.7 | 47.7 | 48.2 | 48.3 | 48.3 | 48.5 | 48.5 | 48.5 | 49.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| GE 1000 | 5.7 | 45.6 | 47.2 | 48.3 | 48.7 | 48.8 | 48.8 | 49.0 | 49.0 | 49.0 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| GE 1600 | 5.7 | 45.6 | 47.2 | 48.3 | 48.7 | 48.8 | 48.8 | 49.0 | 49.0 | 49.0 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| GE 1400 | 5.7 | 45.6 | 47.2 | 48.3 | 48.7 | 48.8 | 48.8 | 49.0 | 49.0 | 49.0 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| GE 1200 | 5.8 | 46.2 | 47.6 | 48.9 | 49.4 | 49.5 | 49.5 | 49.7 | 49.7 | 49.7 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| GE 1000 | 6.2 | 50.0 | 51.7 | 52.8 | 53.3 | 53.4 | 53.5 | 53.8 | 53.8 | 53.8 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| GE 900 | 6.2 | 50.9 | 52.6 | 53.7 | 54.2 | 54.3 | 54.4 | 54.6 | 54.6 | 54.6 | 54.9 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| GE 800 | 6.6 | 54.5 | 56.3 | 57.5 | 58.2 | 58.3 | 58.6 | 58.8 | 58.8 | 58.8 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| GE 700 | 6.7 | 54.8 | 56.7 | 57.8 | 58.5 | 58.7 | 59.0 | 59.2 | 59.2 | 59.2 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| GE 600 | 6.7 | 56.2 | 58.1 | 59.2 | 59.9 | 60.2 | 60.5 | 60.8 | 60.8 | 60.8 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| GE 500 | 6.8 | 58.6 | 60.4 | 62.2 | 63.0 | 63.4 | 63.8 | 64.2 | 64.2 | 64.2 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 400 | 7.4 | 62.4 | 64.7 | 66.5 | 67.5 | 68.1 | 68.4 | 68.8 | 68.8 | 68.8 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 300 | 7.7 | 65.2 | 68.1 | 70.0 | 71.2 | 71.7 | 72.2 | 72.6 | 72.6 | 72.6 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 200 | 7.8 | 68.0 | 71.2 | 73.4 | 74.6 | 75.3 | 75.9 | 76.2 | 76.2 | 76.2 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 100 | 8.2 | 71.5 | 75.1 | 77.3 | 78.7 | 79.4 | 80.0 | 80.5 | 80.5 | 80.5 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 2500 | 8.7 | 73.4 | 77.1 | 79.5 | 81.0 | 81.7 | 82.4 | 82.9 | 82.9 | 82.9 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 2000 | 8.3 | 74.9 | 78.7 | 81.1 | 82.6 | 83.3 | 84.0 | 84.5 | 84.5 | 84.5 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 1800 | 8.3 | 75.3 | 79.0 | 81.5 | 83.0 | 83.9 | 84.5 | 85.1 | 85.1 | 85.1 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 1600 | 8.3 | 76.2 | 80.0 | 82.5 | 84.2 | 85.1 | 85.7 | 86.2 | 86.3 | 86.5 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 1400 | 8.7 | 76.8 | 80.5 | 83.2 | 84.8 | 85.7 | 86.5 | 87.0 | 87.1 | 87.2 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 1200 | 8.3 | 77.6 | 81.5 | 84.2 | 85.8 | 86.7 | 87.4 | 88.0 | 88.1 | 88.2 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 1000 | 8.3 | 77.8 | 81.8 | 84.8 | 86.7 | 87.5 | 88.3 | 88.8 | 88.9 | 89.1 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 |
| GE 900 | 8.3 | 78.0 | 82.2 | 85.3 | 87.3 | 88.3 | 89.2 | 90.0 | 90.0 | 90.5 | 91.3 | 91.3 | 91.5 | 91.5 | 91.7 | 91.7 |
| GE 800 | 8.2 | 78.3 | 82.5 | 85.6 | 88.3 | 89.4 | 90.4 | 91.2 | 91.5 | 91.8 | 92.6 | 92.6 | 92.8 | 92.8 | 93.0 | 93.0 |
| GE 700 | 8.3 | 78.5 | 82.8 | 86.1 | 88.9 | 90.1 | 91.2 | 91.9 | 92.6 | 93.0 | 94.0 | 94.0 | 94.2 | 94.2 | 94.4 | 94.4 |
| GE 600 | 8.7 | 78.5 | 82.8 | 86.1 | 89.0 | 90.2 | 91.7 | 92.8 | 93.4 | 94.1 | 95.1 | 95.1 | 95.4 | 95.4 | 95.6 | 95.6 |
| GE 500 | 8.3 | 78.5 | 82.8 | 86.3 | 89.2 | 90.5 | 92.2 | 93.5 | 94.7 | 94.9 | 95.9 | 95.9 | 96.2 | 96.2 | 96.5 | 96.5 |
| GE 400 | 8.3 | 78.5 | 82.8 | 86.3 | 89.2 | 90.5 | 92.2 | 94.2 | 95.2 | 96.0 | 97.3 | 97.3 | 98.0 | 98.2 | 98.4 | 98.4 |
| GE 300 | 8.3 | 78.5 | 82.8 | 86.3 | 89.5 | 90.8 | 92.4 | 94.5 | 95.6 | 96.5 | 97.8 | 98.0 | 98.7 | 98.9 | 99.2 | 99.2 |
| GE 200 | 8.2 | 78.5 | 82.8 | 86.3 | 89.5 | 90.8 | 92.4 | 94.5 | 95.6 | 96.5 | 97.8 | 98.1 | 98.9 | 99.2 | 99.6 | 100.0 |
| GE 100 | 8.3 | 78.5 | 82.8 | 86.3 | 89.5 | 90.8 | 92.4 | 94.5 | 95.6 | 96.5 | 97.8 | 98.1 | 98.9 | 99.2 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 704095 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 0900-1100

| CEILING IN FEET | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | VISIBILITY IN STATUTE MILES | | | | | | | | | | | |
|-----------------------|-----|----------|---------|---------|---------|---------|---------|-----------------------------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|------|------|
| | | | | | | | | GE 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | GF 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE G | | |
| NO CEIL | 1 | 64.0 | 41.3 | 42.6 | 42.9 | 43.3 | 43.4 | 43.4 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| CE 20000 | 7.0 | 47.2 | 48.8 | 49.2 | 50.3 | 50.1 | 50.1 | 50.3 | 50.3 | 50.2 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| CE 18000 | 7.0 | 47.7 | 49.4 | 49.6 | 50.5 | 50.6 | 50.6 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| CE 16000 | 7.0 | 47.7 | 49.4 | 49.6 | 50.5 | 50.6 | 50.6 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| CE 14000 | 7.0 | 48.2 | 49.9 | 50.3 | 51.1 | 51.2 | 51.2 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| CE 12000 | 7.0 | 48.6 | 50.4 | 51.0 | 51.7 | 51.8 | 51.8 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| CE 10000 | 7.4 | 51.5 | 53.7 | 54.2 | 54.9 | 55.1 | 55.1 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| GF 9000 | 7.4 | 52.6 | 54.7 | 55.3 | 56.0 | 56.1 | 56.1 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| GF 8000 | 7.8 | 57.7 | 60.3 | 61.1 | 61.9 | 62.0 | 62.0 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| GF 7000 | 8.0 | 59.1 | 61.7 | 62.6 | 63.3 | 63.4 | 63.4 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GF 6000 | 8.0 | 59.5 | 62.0 | 62.6 | 63.7 | 63.8 | 63.8 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GF 5000 | 8.2 | 62.3 | 64.6 | 65.7 | 66.7 | 66.9 | 66.9 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GF 4000 | 8.6 | 65.3 | 68.2 | 69.2 | 70.3 | 70.5 | 70.5 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| GF 3000 | 9.0 | 67.4 | 70.8 | 72.0 | 73.2 | 73.4 | 73.4 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GF 2000 | 9.2 | 70.1 | 73.5 | 74.8 | 76.5 | 76.9 | 76.9 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GF 1000 | 9.4 | 72.0 | 75.7 | 77.1 | 79.1 | 79.6 | 79.7 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| GF 2000 | 9.5 | 73.3 | 77.1 | 78.6 | 80.6 | 81.2 | 81.4 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GF 1800 | 9.6 | 74.6 | 78.5 | 79.6 | 81.7 | 82.3 | 82.5 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GF 1600 | 9.6 | 74.6 | 78.5 | 79.6 | 81.7 | 82.3 | 82.5 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GF 1400 | 9.7 | 76.2 | 80.1 | 81.7 | 84.3 | 84.6 | 84.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GF 1200 | 9.7 | 76.9 | 80.9 | 82.5 | 85.1 | 85.7 | 86.2 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GF 1000 | 9.7 | 77.3 | 81.4 | 83.5 | 86.5 | 87.3 | 87.3 | 89.1 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GF 900 | 9.7 | 77.4 | 81.6 | 84.3 | 87.3 | 88.2 | 88.2 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GF 800 | 9.7 | 77.5 | 81.6 | 84.9 | 88.1 | 88.9 | 89.0 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GF 700 | 9.7 | 77.6 | 81.9 | 85.2 | 88.3 | 89.5 | 89.5 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GF 600 | 9.7 | 77.7 | 82.0 | 85.4 | 88.7 | 89.5 | 89.5 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GF 500 | 9.7 | 77.7 | 82.0 | 85.4 | 88.7 | 89.5 | 89.5 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GF 400 | 9.7 | 77.7 | 82.0 | 85.4 | 88.7 | 89.5 | 89.5 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GF 300 | 9.7 | 77.7 | 82.0 | 85.4 | 88.7 | 89.5 | 89.5 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GF 200 | 9.7 | 77.7 | 82.0 | 85.4 | 88.7 | 89.5 | 89.5 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GF 100 | 9.7 | 77.7 | 82.0 | 85.4 | 88.7 | 89.5 | 89.5 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
 USAF/ITAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724056 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JAN HOURS (LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|-------|------|-------|------|------|------|------|------|------|------|
| | 1 | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 |
| NO CEIL | 7.6 | 38.9 | 40.1 | 47.5 | 47.6 | 46.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| CE 2000 | 8.0 | 44.5 | 45.7 | 46.6 | 46.7 | 46.6 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 |
| CE 1800 | 8.0 | 44.8 | 46.0 | 46.9 | 47.0 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| CE 1600 | 8.0 | 44.8 | 46.0 | 46.9 | 47.0 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| CE 1400 | 8.0 | 44.8 | 46.0 | 46.9 | 47.0 | 47.1 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| CE 1200 | 8.0 | 46.0 | 47.2 | 48.2 | 48.3 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| CE 1000 | 8.6 | 50.3 | 51.7 | 52.9 | 53.0 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
| CE 900 | 8.6 | 51.3 | 52.7 | 53.9 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| CE 800 | 9.1 | 56.6 | 58.3 | 59.6 | 59.9 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| CE 700 | 9.1 | 57.6 | 59.6 | 60.9 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| CE 600 | 9.1 | 57.7 | 59.7 | 61.0 | 61.3 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| CE 500 | 9.5 | 60.5 | 62.5 | 63.8 | 64.2 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| CE 400 | 10.0 | 63.9 | 65.9 | 67.2 | 67.7 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| CE 300 | 10.4 | 68.1 | 70.1 | 71.4 | 72.0 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| CE 200 | 11.0 | 70.1 | 72.4 | 73.7 | 74.3 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| CE 100 | 11.8 | 74.8 | 77.4 | 78.7 | 79.4 | 79.8 | 79.9 | 80.0 | 80.0 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| CE 0 | 11.8 | 75.8 | 78.4 | 79.8 | 80.4 | 81.3 | 81.5 | 81.6 | 81.6 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| CE 100 | 11.8 | 75.9 | 78.9 | 80.4 | 81.2 | 82.3 | 82.6 | 82.7 | 82.7 | 83.0 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| CE 200 | 11.8 | 76.2 | 79.1 | 80.5 | 82.3 | 82.7 | 83.0 | 83.1 | 83.1 | 83.4 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| CE 300 | 11.8 | 76.8 | 79.9 | 81.7 | 83.7 | 84.1 | 84.4 | 84.5 | 84.5 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| CE 400 | 11.8 | 77.2 | 80.3 | 82.7 | 84.8 | 85.3 | 85.6 | 85.7 | 85.7 | 86.3 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| CE 500 | 11.8 | 77.7 | 81.0 | 84.0 | 86.3 | 86.6 | 87.1 | 87.3 | 87.4 | 88.3 | 88.6 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| CE 600 | 11.8 | 77.7 | 81.0 | 84.1 | 86.7 | 87.1 | 87.4 | 87.6 | 87.7 | 88.6 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| CE 700 | 11.8 | 77.7 | 81.1 | 84.4 | 87.3 | 87.1 | 88.5 | 88.7 | 88.8 | 89.9 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| CE 800 | 11.8 | 77.7 | 81.2 | 84.5 | 87.5 | 86.3 | 88.9 | 89.2 | 89.4 | 90.4 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| CE 900 | 11.8 | 77.7 | 81.2 | 84.5 | 88.2 | 85.1 | 89.9 | 90.5 | 90.6 | 91.5 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| CE 1000 | 11.8 | 77.7 | 81.2 | 84.5 | 89.7 | 85.8 | 91.3 | 92.8 | 93.7 | 94.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| CE 1100 | 11.8 | 77.7 | 81.2 | 84.5 | 89.7 | 90.0 | 91.8 | 93.4 | 93.9 | 95.4 | 96.5 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| CE 1200 | 11.8 | 77.7 | 81.2 | 84.5 | 89.0 | 90.1 | 91.9 | 94.2 | 94.6 | 96.7 | 97.8 | 98.1 | 98.2 | 98.5 | 98.5 | 98.5 |
| CE 1300 | 11.8 | 77.7 | 81.2 | 84.5 | 89.0 | 90.1 | 91.9 | 94.2 | 94.6 | 96.9 | 98.2 | 98.4 | 98.5 | 98.9 | 98.9 | 98.9 |
| CE 1400 | 11.8 | 77.7 | 81.2 | 84.5 | 89.0 | 90.1 | 91.9 | 94.2 | 94.6 | 96.9 | 98.2 | 98.4 | 98.5 | 99.0 | 99.2 | 99.8 |

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: 724096 STATION NAME: MCGLIFF AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1500-1700

| CEILING 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 0 | |
| NO CEIL | 7.2 | 41.1 | 42.0 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| GF 20000 | 7.2 | 46.0 | 47.3 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| GF 18000 | 7.2 | 46.0 | 47.7 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 |
| GF 16000 | 7.2 | 46.0 | 48.1 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| GF 14000 | 7.2 | 47.0 | 48.3 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| GF 12000 | 7.2 | 48.4 | 49.7 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| GF 10000 | 7.7 | 51.1 | 52.8 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| GF 9000 | 7.3 | 51.9 | 53.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| GF 8000 | 7.8 | 56.1 | 57.8 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| GF 7000 | 8.2 | 56.9 | 59.6 | 60.0 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GF 6000 | 8.0 | 57.5 | 59.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| GF 5000 | 8.4 | 59.5 | 61.7 | 63.0 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GF 4000 | 8.9 | 62.0 | 64.6 | 65.9 | 66.3 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| GF 3000 | 9.5 | 66.0 | 68.7 | 70.2 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| GF 2000 | 10.5 | 69.4 | 72.2 | 73.7 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GF 1000 | 11.3 | 74.2 | 77.6 | 79.2 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GF 0000 | 11.3 | 75.1 | 78.9 | 80.6 | 82.0 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GF 0000 | 11.5 | 75.7 | 79.6 | 81.4 | 83.0 | 83.7 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GF 0000 | 11.6 | 76.0 | 80.0 | 81.5 | 83.7 | 84.3 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GF 0000 | 11.7 | 76.2 | 80.2 | 82.6 | 84.5 | 85.5 | 86.1 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GF 0000 | 11.6 | 76.3 | 81.1 | 83.3 | 85.5 | 86.2 | 86.9 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GF 0000 | 11.6 | 76.7 | 81.4 | 84.0 | 86.3 | 87.1 | 87.8 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GF 0000 | 11.6 | 76.8 | 81.5 | 84.2 | 86.9 | 87.6 | 88.4 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GF 0000 | 11.6 | 76.9 | 81.7 | 84.7 | 87.6 | 88.4 | 89.4 | 90.1 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GF 0000 | 11.6 | 77.0 | 81.8 | 84.8 | 87.7 | 88.8 | 89.1 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GF 0000 | 11.6 | 77.1 | 82.3 | 85.4 | 88.7 | 90.0 | 91.8 | 92.7 | 92.8 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GF 0000 | 11.6 | 77.2 | 82.4 | 85.9 | 89.2 | 91.3 | 93.3 | 94.3 | 94.4 | 94.9 | 95.3 | 95.3 | 95.5 | 95.8 | 95.8 | 95.8 |
| GF 0000 | 11.6 | 77.3 | 82.5 | 86.0 | 89.4 | 91.8 | 94.2 | 95.5 | 95.7 | 96.7 | 97.1 | 97.1 | 97.3 | 97.6 | 97.6 | 97.6 |
| GF 0000 | 11.6 | 77.4 | 82.6 | 86.1 | 89.5 | 92.2 | 94.6 | 96.0 | 96.0 | 97.4 | 98.0 | 98.0 | 98.3 | 98.6 | 98.6 | 98.6 |
| GF 0000 | 11.6 | 77.4 | 82.6 | 86.1 | 89.5 | 92.3 | 94.7 | 96.1 | 96.1 | 97.5 | 98.2 | 98.2 | 98.5 | 98.9 | 98.9 | 98.9 |
| GF 0000 | 11.6 | 77.4 | 82.6 | 86.1 | 89.5 | 92.3 | 94.7 | 96.1 | 96.1 | 97.5 | 98.2 | 98.4 | 98.8 | 99.2 | 99.4 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS: 930

GENERAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JAN. HOURS(LST): 1800-2000

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|---------|---------|---------|---------|-------------|---------|---------|---------|---------|---------|---------|---------|-----------|-----------|-----------|------------|-----------|---------|------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE < 1/2 | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 | GE 7/8 | GE 5/8 | GE 1/2 | GE 7/16 | GE 1/4 | GE 0 | |
| NO CEIL | 8.4 | 49.0 | 49.4 | 49.6 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| CE 2000 | 8.6 | 54.3 | 54.7 | 55.2 | 55.4 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| CE 1800 | 8.6 | 54.5 | 54.5 | 55.4 | 55.6 | 55.7 | 55.8 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| CE 1600 | 8.6 | 54.7 | 55.2 | 55.6 | 55.8 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| CE 1400 | 8.6 | 54.7 | 55.2 | 55.6 | 55.8 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| CE 1200 | 8.6 | 55.6 | 56.0 | 56.5 | 56.7 | 56.8 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| CE 1000 | 8.7 | 57.1 | 58.0 | 58.4 | 58.7 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| CE 900 | 8.8 | 57.6 | 58.5 | 58.9 | 59.2 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| CE 800 | 8.9 | 61.2 | 62.2 | 62.6 | 62.9 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| CE 700 | 9.0 | 62.0 | 62.7 | 63.3 | 63.7 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| CE 600 | 9.0 | 62.9 | 63.5 | 64.3 | 64.6 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| CE 500 | 9.0 | 64.9 | 66.1 | 66.7 | 67.0 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| CE 450 | 9.1 | 67.6 | 69.1 | 70.0 | 70.4 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| CE 400 | 9.2 | 70.1 | 71.7 | 72.7 | 73.3 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| CE 350 | 10.1 | 73.3 | 75.2 | 76.2 | 77.1 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| CE 300 | 10.3 | 76.0 | 78.0 | 79.2 | 80.1 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| CE 250 | 10.5 | 77.6 | 79.5 | 81.1 | 81.9 | 82.3 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| CE 200 | 10.5 | 78.3 | 80.4 | 81.7 | 82.8 | 83.2 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| CE 180 | 10.4 | 78.4 | 81.6 | 83.0 | 83.0 | 83.4 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| CE 160 | 10.5 | 78.0 | 81.3 | 83.0 | 84.2 | 84.8 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| CE 140 | 10.6 | 79.1 | 81.9 | 83.0 | 84.4 | 85.6 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| CE 120 | 10.6 | 79.1 | 82.2 | 84.0 | 85.7 | 86.8 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| CE 100 | 10.6 | 79.4 | 82.4 | 84.5 | 85.9 | 86.6 | 87.1 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| CE 90 | 10.6 | 79.6 | 82.6 | 84.9 | 86.4 | 87.6 | 88.6 | 89.0 | 89.1 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| CE 80 | 10.6 | 79.7 | 82.9 | 85.6 | 86.1 | 86.0 | 87.2 | 87.8 | 87.9 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| CE 70 | 10.6 | 80.1 | 86.3 | 89.4 | 90.4 | 91.7 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| CE 60 | 10.6 | 79.8 | 83.1 | 87.1 | 89.7 | 90.9 | 92.2 | 92.4 | 92.9 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| CE 50 | 10.6 | 79.5 | 82.1 | 87.5 | 90.7 | 91.4 | 92.0 | 94.2 | 94.7 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| CE 40 | 10.6 | 79.8 | 83.1 | 87.5 | 90.4 | 91.7 | 92.5 | 94.6 | 94.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| CE 30 | 10.7 | 79.8 | 83.1 | 87.5 | 90.4 | 91.7 | 92.5 | 94.6 | 94.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| CE 20 | 10.6 | 79.0 | 83.1 | 87.5 | 90.4 | 91.7 | 92.5 | 94.6 | 94.8 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| CE 10 | 10.6 | 79.8 | 83.1 | 87.5 | 90.4 | 91.7 | 92.5 | 94.6 | 94.8 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 0 | 10.6 | 79.8 | 83.1 | 87.5 | 90.4 | 91.7 | 92.5 | 94.6 | 94.8 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |

TOTAL NUMBER OF OBSERVATIONS: 357

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MFC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 734066 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(EST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | 1 | 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 |
| NO CEIL | 7.4 | 47.4 | 48.2 | 48.4 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| GF 2500 | 7.6 | 53.9 | 54.7 | 54.9 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| GF 1800 | 7.6 | 53.9 | 54.7 | 54.9 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| GF 1600 | 7.6 | 53.9 | 54.7 | 54.9 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| GF 1400 | 7.6 | 54.3 | 55.2 | 55.4 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GF 1200 | 7.6 | 55.2 | 56.0 | 56.2 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| GF 1000 | 7.6 | 56.7 | 57.6 | 58.0 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GF 900 | 7.6 | 57.1 | 58.1 | 58.4 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GF 800 | 8.1 | 59.4 | 60.4 | 61.0 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| GF 700 | 8.1 | 60.6 | 61.7 | 62.3 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| GF 600 | 8.1 | 61.7 | 62.8 | 63.3 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| GF 500 | 8.7 | 64.7 | 65.8 | 66.5 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GF 450 | 8.7 | 67.8 | 69.1 | 69.9 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GF 400 | 8.9 | 70.6 | 72.3 | 73.3 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GF 350 | 9.1 | 74.0 | 75.8 | 77.2 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| GF 300 | 9.1 | 75.7 | 77.7 | 79.1 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| GF 250 | 9.1 | 77.2 | 79.5 | 81.1 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GF 200 | 9.2 | 77.6 | 80.2 | 81.8 | 82.3 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GF 150 | 9.5 | 77.8 | 80.5 | 82.0 | 83.1 | 83.2 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GF 100 | 9.5 | 78.6 | 81.5 | 83.2 | 84.5 | 84.6 | 84.7 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GF 50 | 9.5 | 79.1 | 82.5 | 84.2 | 85.5 | 85.7 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GF 0 | 9.7 | 79.5 | 83.0 | 84.8 | 86.1 | 86.5 | 86.9 | 87.2 | 87.5 | 87.8 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GF 500 | 9.5 | 79.7 | 83.3 | 85.4 | 86.3 | 87.1 | 87.5 | 88.0 | 88.4 | 88.7 | 89.2 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 |
| GF 400 | 9.5 | 79.8 | 83.5 | 85.7 | 87.1 | 87.5 | 88.0 | 88.4 | 88.7 | 89.2 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GF 300 | 9.5 | 79.9 | 83.5 | 86.0 | 87.1 | 87.5 | 88.0 | 88.4 | 88.7 | 89.2 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GF 200 | 9.5 | 80.0 | 83.9 | 86.1 | 87.6 | 88.2 | 90.2 | 91.0 | 91.4 | 91.7 | 92.3 | 92.4 | 92.5 | 92.5 | 92.6 | 92.6 |
| GF 100 | 9.5 | 80.1 | 84.1 | 86.2 | 87.7 | 88.3 | 89.8 | 90.5 | 92.0 | 92.5 | 93.0 | 93.7 | 93.8 | 94.1 | 94.1 | 94.4 |
| GF 50 | 9.5 | 80.1 | 84.1 | 86.3 | 87.8 | 88.4 | 89.9 | 90.6 | 92.1 | 92.6 | 94.2 | 94.9 | 95.9 | 96.8 | 97.1 | 97.4 |
| GF 0 | 9.5 | 80.1 | 84.1 | 86.3 | 87.8 | 88.4 | 89.9 | 90.6 | 92.1 | 92.6 | 94.2 | 94.9 | 95.9 | 96.8 | 97.1 | 97.4 |
| GF 500 | 9.5 | 80.1 | 84.1 | 86.3 | 87.8 | 88.4 | 89.9 | 90.6 | 92.1 | 92.6 | 94.2 | 94.9 | 95.9 | 96.8 | 97.1 | 97.4 |
| GF 400 | 9.5 | 80.1 | 84.1 | 86.3 | 87.8 | 88.4 | 89.9 | 90.6 | 92.1 | 92.6 | 94.2 | 94.9 | 95.9 | 96.8 | 97.1 | 97.4 |
| GF 300 | 9.5 | 80.1 | 84.1 | 86.3 | 87.8 | 88.4 | 89.9 | 90.6 | 92.1 | 92.6 | 94.2 | 94.9 | 95.9 | 96.8 | 97.1 | 97.4 |
| GF 200 | 9.5 | 80.1 | 84.1 | 86.3 | 87.8 | 88.4 | 89.9 | 90.6 | 92.1 | 92.6 | 94.2 | 94.9 | 95.9 | 96.8 | 97.1 | 97.4 |
| GF 100 | 9.5 | 80.1 | 84.1 | 86.3 | 87.8 | 88.4 | 89.9 | 90.6 | 92.1 | 92.6 | 94.2 | 94.9 | 95.9 | 96.8 | 97.1 | 97.4 |
| GF 0 | 9.5 | 80.1 | 84.1 | 86.3 | 87.8 | 88.4 | 89.9 | 90.6 | 92.1 | 92.6 | 94.2 | 94.9 | 95.9 | 96.8 | 97.1 | 97.4 |

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
 WFAFB/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 74096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JAN HOURS(LST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------------|---------|---------|-------------|---------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| | GE 1 | GE 1 1/2 | GE 2 | GE 3 | GE 3 1/2 | GE 4 | GE 5 | GE 5 1/2 | GE 6 | GE 6 1/2 | GE 7 | GE 7 1/2 | GE 8 | GE 8 1/2 | GE 9 | GE 9 1/2 |
| NO CELL | 7.7 | 44.2 | 45.2 | 45.5 | 45.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| 01 0000 | 7.6 | 49.3 | 50.5 | 51.0 | 51.3 | 51.4 | 51.4 | 51.4 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| 01 1000 | 7.6 | 49.6 | 50.8 | 51.4 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| 01 1500 | 7.6 | 49.7 | 50.9 | 51.5 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| 01 2000 | 7.6 | 49.9 | 51.2 | 51.7 | 52.0 | 52.1 | 52.1 | 52.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| 01 2500 | 7.7 | 50.7 | 51.5 | 52.5 | 52.9 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 |
| 01 3000 | 7.9 | 53.3 | 54.3 | 55.4 | 55.8 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| 01 3500 | 7.9 | 54.0 | 55.5 | 56.1 | 56.5 | 56.5 | 56.5 | 56.5 | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| 01 4000 | 8.2 | 57.7 | 59.3 | 60.1 | 60.5 | 60.6 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| 01 4500 | 8.2 | 58.7 | 60.4 | 61.1 | 61.6 | 61.7 | 61.7 | 61.7 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| 01 5000 | 8.3 | 59.5 | 61.2 | 61.9 | 62.4 | 62.5 | 62.5 | 62.5 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| 01 5500 | 8.4 | 61.8 | 63.0 | 64.5 | 65.1 | 65.3 | 65.3 | 65.3 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| 01 6000 | 8.9 | 65.3 | 67.4 | 68.5 | 69.3 | 69.4 | 69.5 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| 01 6500 | 9.2 | 68.1 | 70.4 | 71.8 | 72.7 | 72.9 | 72.9 | 72.9 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 01 7000 | 9.6 | 70.9 | 73.5 | 75.0 | 76.1 | 76.4 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 01 7500 | 9.9 | 73.7 | 76.5 | 78.1 | 79.4 | 79.7 | 79.9 | 79.9 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| 01 8000 | 9.9 | 75.1 | 78.1 | 79.8 | 81.2 | 81.6 | 81.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| 01 8500 | 10.0 | 76.0 | 79.1 | 80.8 | 82.4 | 82.8 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| 01 9000 | 10.1 | 76.2 | 79.3 | 81.1 | 82.7 | 83.2 | 83.5 | 83.8 | 83.4 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 01 9500 | 10.1 | 77.1 | 80.5 | 82.4 | 84.2 | 84.7 | 85.0 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 01 10000 | 10.2 | 77.7 | 81.2 | 83.3 | 85.2 | 85.7 | 86.0 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 01 10500 | 10.2 | 79.0 | 81.5 | 84.0 | 86.0 | 86.6 | 87.3 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 01 11000 | 10.2 | 79.2 | 81.5 | 84.4 | 86.6 | 87.2 | 87.9 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 01 11500 | 10.2 | 75.4 | 82.0 | 85.0 | 87.4 | 88.1 | 89.1 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 01 12000 | 10.2 | 78.5 | 82.4 | 85.3 | 87.9 | 88.6 | 89.9 | 91.5 | 90.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| 01 12500 | 10.2 | 78.6 | 82.5 | 85.5 | 88.5 | 89.6 | 90.8 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 01 13000 | 10.2 | 78.6 | 82.6 | 85.5 | 89.1 | 90.2 | 91.7 | 92.8 | 93.1 | 93.7 | 94.4 | 94.5 | 94.9 | 95.0 | 95.1 | 95.2 |
| 01 13500 | 10.2 | 78.7 | 82.6 | 85.5 | 89.3 | 90.5 | 92.5 | 93.8 | 94.1 | 95.0 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 01 14000 | 10.2 | 78.7 | 82.7 | 85.5 | 89.5 | 90.8 | 92.7 | 94.0 | 95.7 | 96.1 | 97.1 | 97.2 | 97.7 | 97.9 | 98.1 | 98.2 |
| 01 14500 | 10.2 | 78.7 | 82.8 | 85.5 | 89.6 | 90.9 | 92.1 | 94.0 | 95.3 | 96.1 | 97.5 | 97.6 | 98.3 | 98.6 | 98.8 | 99.1 |
| 01 15000 | 10.2 | 78.7 | 82.8 | 85.5 | 89.6 | 90.9 | 92.1 | 94.0 | 95.3 | 96.5 | 97.6 | 97.8 | 98.6 | 98.9 | 99.2 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS: 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB TX

PERIOD OF RECORD: 78-87

MONTH: FEB HOURLS(LST): 0000-0200

| CEILING IN FEET | J J | CL J | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--------|---------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|------|
| | | | GE 0 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1 1/4 | GE 1 | GE 3/4 | GE 1/2 | GE 1/4 | GE 1/4 | GE 1/4 | GE 0 | |
| NO CELL | 1 | 10.4 | 53.5 | 54.5 | 55.1 | 55.9 | 56.9 | 56.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.1 | 56.1 | 56.1 | 56.3 |
| CE 20000 | 1 | 11.2 | 57.0 | 57.9 | 58.5 | 59.3 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6 | 59.7 |
| CE 18000 | 1 | 11.2 | 57.0 | 57.9 | 58.5 | 59.3 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.7 |
| CE 16000 | 1 | 11.2 | 57.0 | 57.9 | 58.5 | 59.3 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.7 |
| CE 14000 | 1 | 11.2 | 57.0 | 57.9 | 58.5 | 59.3 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.7 |
| CE 12000 | 1 | 11.2 | 57.7 | 58.6 | 59.2 | 60.0 | 60.0 | 60.0 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.3 | 60.3 | 60.3 | 60.3 | 60.4 |
| CE 10000 | 1 | 11.6 | 61.5 | 62.4 | 63.0 | 63.4 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 64.1 | 64.1 | 64.1 | 64.1 | 64.2 |
| CE 9000 | 1 | 11.6 | 61.6 | 62.5 | 63.1 | 63.5 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.3 |
| CE 8000 | 1 | 11.9 | 63.7 | 64.7 | 65.5 | 66.3 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.7 |
| CE 7000 | 1 | 11.9 | 64.3 | 65.0 | 65.3 | 65.7 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.5 |
| CE 6000 | 1 | 12.1 | 64.9 | 66.1 | 66.9 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 68.1 |
| CE 5000 | 1 | 12.2 | 66.9 | 68.3 | 69.5 | 70.2 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.7 |
| CE 4000 | 1 | 12.6 | 69.9 | 71.0 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.9 |
| CE 3000 | 1 | 12.9 | 71.2 | 72.5 | 74.0 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.4 |
| CE 2000 | 1 | 12.9 | 72.0 | 74.2 | 75.4 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.2 |
| CE 1000 | 1 | 12.9 | 73.3 | 75.9 | 77.5 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.6 |
| CE 800 | 1 | 12.9 | 74.1 | 77.0 | 78.6 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.7 |
| CE 700 | 1 | 12.9 | 74.6 | 77.4 | 79.1 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.8 |
| CE 600 | 1 | 13.0 | 74.6 | 77.7 | 79.3 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| CE 500 | 1 | 13.0 | 75.9 | 79.8 | 80.5 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.3 |
| CE 400 | 1 | 13.0 | 76.4 | 79.3 | 81.1 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.9 |
| CE 300 | 1 | 13.0 | 76.8 | 79.9 | 82.3 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.9 |
| CE 200 | 1 | 13.1 | 77.3 | 81.7 | 83.1 | 85.0 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 86.3 |
| CE 100 | 1 | 13.1 | 77.4 | 81.2 | 83.0 | 85.7 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.3 |
| CE 80 | 1 | 13.1 | 77.5 | 81.5 | 83.9 | 85.1 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.4 |
| CE 60 | 1 | 13.1 | 77.7 | 81.7 | 84.3 | 86.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.4 |
| CE 40 | 1 | 13.1 | 77.7 | 81.7 | 84.3 | 87.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.3 |
| CE 20 | 1 | 13.1 | 77.7 | 81.7 | 84.3 | 87.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.2 |
| CE 10 | 1 | 13.1 | 77.7 | 81.7 | 84.3 | 87.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |

TOTAL NUMBER OF OBSERVATIONS: 540

GLOBAL CLIMATOLOGY BRANCH
AFSS/AC
AF WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURCY OBSERVATIONS

STATION NUMBER: 74090 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(EST): ALL

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|-----------|-----------|-----------|---------|---------|-------------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 1 | GE 1/2 | GE 3/8 | GE 5/8 | GE 4 | GE 7 | GE 2 1/2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 1/2 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| 500 | 7.7 | 44.5 | 45.1 | 45.5 | 45.7 | 45.8 | 45.8 | 45.9 | 45.9 | 45.9 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| 600 | 7.6 | 49.3 | 50.5 | 51.0 | 51.3 | 51.4 | 51.4 | 51.5 | 51.5 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.7 |
| 700 | 7.6 | 49.6 | 50.5 | 51.4 | 51.7 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 |
| 800 | 7.6 | 49.7 | 50.9 | 51.1 | 51.6 | 51.6 | 51.8 | 51.9 | 51.9 | 52.0 | 52.0 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 900 | 7.6 | 49.9 | 51.2 | 51.7 | 52.0 | 52.1 | 52.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.4 |
| 1000 | 7.7 | 50.7 | 51.5 | 52.5 | 52.5 | 52.5 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0 | 53.1 | 53.1 | 53.1 | 53.1 | 53.2 |
| 1100 | 7.9 | 53.3 | 54.5 | 55.4 | 55.8 | 55.9 | 55.9 | 56.0 | 56.0 | 56.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.2 |
| 1200 | 7.9 | 54.0 | 55.5 | 56.1 | 56.5 | 56.5 | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.9 |
| 1300 | 8.2 | 57.7 | 59.5 | 60.1 | 60.5 | 60.6 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.9 | 60.9 | 60.9 | 60.9 | 61.0 |
| 1400 | 8.3 | 59.7 | 60.9 | 61.1 | 61.6 | 61.7 | 61.7 | 61.9 | 61.9 | 61.9 | 61.9 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| 1500 | 8.3 | 59.5 | 61.2 | 61.9 | 62.4 | 62.5 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.8 | 62.8 | 62.8 | 62.8 | 62.9 |
| 1600 | 8.4 | 61.8 | 63.0 | 64.5 | 65.1 | 65.3 | 65.3 | 65.5 | 65.5 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.7 | 65.7 |
| 1700 | 8.9 | 65.3 | 67.4 | 68.5 | 69.3 | 69.4 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 | 69.9 |
| 1800 | 8.7 | 68.1 | 70.4 | 71.6 | 72.7 | 72.9 | 73.0 | 73.1 | 73.1 | 73.2 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.4 |
| 1900 | 8.6 | 70.9 | 73.5 | 75.0 | 75.1 | 75.4 | 75.5 | 75.6 | 75.6 | 75.6 | 75.7 | 75.8 | 75.8 | 75.8 | 75.9 | 76.0 |
| 2000 | 8.9 | 73.7 | 76.5 | 78.1 | 79.4 | 79.7 | 79.9 | 80.1 | 80.1 | 80.2 | 80.3 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 |
| 2100 | 8.6 | 75.1 | 78.1 | 79.6 | 81.7 | 81.6 | 81.9 | 82.1 | 82.1 | 82.2 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 |
| 2200 | 10.0 | 76.5 | 79.1 | 80.8 | 82.9 | 82.8 | 83.2 | 83.4 | 83.4 | 83.5 | 83.6 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 |
| 2300 | 10.1 | 76.2 | 79.7 | 81.1 | 82.7 | 83.1 | 83.5 | 83.6 | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.8 |
| 2400 | 10.1 | 76.1 | 80.5 | 82.9 | 84.2 | 84.7 | 85.0 | 85.5 | 85.5 | 85.7 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.1 |
| 2500 | 10.7 | 77.7 | 81.2 | 83.1 | 85.2 | 85.7 | 86.1 | 86.6 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 2600 | 10.7 | 78.5 | 81.1 | 84.0 | 86.1 | 86.6 | 87.1 | 87.7 | 87.7 | 87.7 | 88.1 | 88.4 | 88.5 | 88.6 | 88.6 | 88.7 |
| 2700 | 10.7 | 78.1 | 81.5 | 84.9 | 86.6 | 87.0 | 87.5 | 88.0 | 88.0 | 88.0 | 88.4 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 2800 | 10.7 | 78.4 | 82.0 | 85.0 | 87.4 | 87.1 | 87.6 | 88.1 | 88.1 | 88.1 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 2900 | 10.8 | 78.5 | 82.9 | 85.2 | 87.4 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 3000 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 3100 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 3200 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 3300 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 3400 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 3500 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 3600 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 3700 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 3800 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 3900 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 4000 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 4100 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 4200 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 4300 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 4400 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 4500 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 4600 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 4700 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 4800 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 4900 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 5000 | 10.8 | 78.6 | 82.1 | 85.1 | 87.5 | 87.8 | 88.2 | 88.9 | 88.9 | 88.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |

TOTAL NUMBER OF OBSERVATIONS: 7490

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 78-87
 MONTH: FEB HOURLY(S): 0000-0200

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| | 1/8 | 1/4 | 1/2 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| NO CEILING | 10.4 | 53.5 | 54.5 | 55.1 | 55.9 | 56.6 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | |
| 1000 | 11.2 | 57.0 | 57.5 | 58.5 | 59.3 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| 1200 | 11.2 | 57.0 | 57.5 | 58.5 | 59.3 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| 1400 | 11.2 | 57.0 | 57.5 | 58.5 | 59.3 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| 1600 | 11.2 | 57.0 | 57.5 | 58.5 | 59.3 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| 1800 | 11.6 | 61.6 | 62.4 | 63.1 | 63.9 | 63.6 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| 2000 | 11.6 | 61.6 | 62.4 | 63.1 | 63.9 | 63.6 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| 2200 | 11.9 | 63.7 | 64.7 | 65.5 | 66.3 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| 2400 | 11.9 | 64.2 | 65.5 | 66.3 | 67.1 | 67.1 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 2600 | 12.1 | 64.9 | 66.1 | 66.9 | 67.7 | 67.7 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| 2800 | 12.2 | 66.9 | 68.7 | 69.3 | 70.2 | 70.2 | 70.2 | 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 |
| 3000 | 12.4 | 69.9 | 71.6 | 72.5 | 73.5 | 73.5 | 73.5 | 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 |
| 3200 | 12.8 | 71.2 | 72.9 | 74.2 | 74.9 | 74.9 | 74.9 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| 3400 | 12.8 | 72.0 | 74.7 | 75.4 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| 3600 | 12.8 | 72.7 | 75.9 | 77.5 | 79.1 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| 3800 | 12.9 | 74.1 | 77.0 | 78.6 | 80.3 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| 4000 | 12.9 | 74.6 | 77.4 | 79.1 | 80.9 | 80.9 | 80.9 | 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 |
| 4200 | 13.0 | 74.8 | 77.7 | 79.3 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 4400 | 13.6 | 75.9 | 78.8 | 80.5 | 82.4 | 82.4 | 82.4 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 4600 | 13.7 | 76.4 | 79.3 | 81.1 | 83.1 | 83.1 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 4800 | 13.7 | 76.5 | 79.9 | 81.1 | 83.4 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| 5000 | 13.7 | 77.2 | 80.7 | 82.9 | 84.8 | 84.8 | 84.8 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| 5200 | 13.7 | 77.3 | 81.7 | 83.1 | 85.2 | 85.2 | 85.2 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| 5400 | 13.7 | 77.4 | 81.2 | 83.0 | 85.7 | 85.7 | 85.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 5600 | 13.7 | 77.4 | 81.2 | 83.0 | 85.7 | 85.7 | 85.7 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| 5800 | 13.7 | 77.5 | 81.5 | 83.7 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 6000 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| 6200 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 6400 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 6600 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 6800 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 7000 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 7200 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 7400 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 7600 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 7800 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 8000 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 8200 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 8400 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 8600 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 8800 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 9000 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 9200 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 9400 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 9600 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 9800 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 10000 | 13.7 | 77.7 | 81.7 | 84.3 | 86.6 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |

TOTAL NUMBER OF OBSERVATIONS: 540

GLOBAL CLIMATOLOGY BRANCH
 WSAFSTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCSEURF AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS(LST): 0300-0500

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|-------|-------|-------|------|------|------|------|------|------|------|------|
| | 1/8 | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| NO CEIL | 94.7 | 92.8 | 87.7 | 84.1 | 84.7 | 84.8 | 84.8 | 84.9 | 84.8 | 84.8 | 84.8 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| CE 2000 | 10.6 | 86.5 | 57.4 | 58.0 | 58.6 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| CE 1800 | 10.6 | 56.6 | 57.6 | 58.2 | 58.7 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| CE 1600 | 10.6 | 56.6 | 57.6 | 58.2 | 58.7 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| CE 1400 | 10.6 | 56.7 | 57.7 | 58.3 | 58.9 | 59.2 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| CE 1200 | 10.6 | 57.6 | 59.5 | 59.1 | 59.7 | 60.0 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| CE 1000 | 11.0 | 60.5 | 61.7 | 62.4 | 63.1 | 63.5 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| CE 900 | 11.0 | 60.9 | 62.1 | 62.6 | 63.5 | 63.6 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| CE 800 | 11.3 | 63.1 | 64.5 | 65.0 | 66.4 | 66.6 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| CE 700 | 11.6 | 63.7 | 65.1 | 66.3 | 67.4 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| CE 600 | 11.6 | 64.4 | 65.8 | 67.0 | 68.1 | 68.4 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| CE 500 | 11.7 | 65.4 | 66.9 | 68.2 | 69.4 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| CE 400 | 11.9 | 67.1 | 68.6 | 70.3 | 71.5 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| CE 300 | 12.3 | 64.3 | 72.2 | 71.7 | 72.9 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| CE 200 | 12.6 | 69.9 | 72.1 | 73.9 | 75.3 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| CE 100 | 12.6 | 71.7 | 74.1 | 76.0 | 77.4 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| CE 0 | 12.9 | 72.6 | 75.2 | 77.3 | 78.8 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| CE 1000 | 12.9 | 73.3 | 76.0 | 78.4 | 79.9 | 80.9 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| CE 1100 | 12.9 | 73.3 | 76.0 | 78.4 | 80.0 | 81.0 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| CE 1200 | 12.9 | 74.1 | 76.8 | 79.3 | 81.0 | 82.2 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| CE 1300 | 12.9 | 74.6 | 77.4 | 79.9 | 81.5 | 82.7 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| CE 1400 | 12.9 | 74.8 | 77.4 | 80.3 | 81.9 | 83.1 | 83.8 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| CE 1500 | 13.0 | 75.4 | 78.6 | 81.2 | 83.1 | 84.3 | 85.0 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| CE 1600 | 13.0 | 75.4 | 79.9 | 81.5 | 83.5 | 85.1 | 85.9 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| CE 1700 | 13.0 | 75.4 | 79.2 | 81.9 | 83.9 | 85.6 | 86.4 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| CE 1800 | 13.0 | 75.7 | 79.4 | 82.2 | 84.7 | 86.9 | 86.9 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| CE 1900 | 13.0 | 75.8 | 79.6 | 82.4 | 84.6 | 86.5 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| CE 2000 | 13.0 | 75.9 | 79.4 | 82.9 | 85.5 | 87.7 | 89.4 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| CE 2100 | 13.0 | 75.9 | 79.9 | 83.0 | 85.8 | 88.4 | 90.4 | 91.3 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| CE 2200 | 13.0 | 75.9 | 79.9 | 83.0 | 85.6 | 88.5 | 90.5 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| CE 2300 | 13.0 | 75.9 | 79.9 | 83.0 | 85.8 | 88.5 | 90.5 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| CE 2400 | 13.0 | 75.9 | 79.9 | 83.0 | 85.8 | 88.5 | 90.5 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| CE 2500 | 13.0 | 75.9 | 79.9 | 83.0 | 85.8 | 88.5 | 90.5 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| CE 2600 | 13.0 | 75.9 | 79.9 | 83.0 | 85.8 | 88.5 | 90.5 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| CE 2700 | 13.0 | 75.9 | 79.9 | 83.0 | 85.8 | 88.5 | 90.5 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| CE 2800 | 13.0 | 75.9 | 79.9 | 83.0 | 85.8 | 88.5 | 90.5 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| CE 2900 | 13.0 | 75.9 | 79.9 | 83.0 | 85.8 | 88.5 | 90.5 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| CE 3000 | 13.0 | 75.9 | 79.9 | 83.0 | 85.8 | 88.5 | 90.5 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |

TOTAL NUMBER OF OBSERVATIONS: 246

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724095 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 76-87
MONTH: FEB HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|-----------|-----------|-----------|-----------|---------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| | GE 1/2 | GE 3/8 | GE 5/8 | GE 3/4 | GE 7/8 | GE 1 | GE 1 1/2 | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 |
| NO CEIL | 7.7 | 47.0 | 48.3 | 49.1 | 49.2 | 49.3 | 49.3 | 49.3 | 49.3 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| GE 20000 | 8.3 | 52.6 | 54.1 | 55.0 | 55.3 | 55.7 | 55.9 | 56.0 | 56.0 | 56.1 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| GE 18000 | 8.3 | 52.7 | 54.3 | 55.1 | 55.4 | 55.8 | 56.7 | 56.1 | 56.1 | 56.3 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| GE 16000 | 8.3 | 52.7 | 54.3 | 55.1 | 55.4 | 55.8 | 56.0 | 56.1 | 56.1 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| GE 14000 | 8.3 | 52.7 | 54.3 | 55.1 | 55.4 | 55.8 | 56.0 | 56.1 | 56.1 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| GE 12000 | 8.3 | 52.7 | 54.3 | 55.1 | 55.4 | 55.8 | 56.0 | 56.1 | 56.1 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| GE 10000 | 8.4 | 55.8 | 57.3 | 58.0 | 59.1 | 59.5 | 59.7 | 59.8 | 59.8 | 59.9 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.2 |
| GE 9000 | 8.4 | 56.2 | 57.6 | 59.1 | 59.6 | 60.0 | 60.3 | 60.4 | 60.4 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.9 |
| GE 8000 | 8.9 | 58.9 | 60.5 | 62.3 | 62.9 | 63.6 | 63.8 | 63.9 | 63.9 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.4 |
| GE 7000 | 9.6 | 60.6 | 62.0 | 64.2 | 64.4 | 65.5 | 65.7 | 65.8 | 65.8 | 66.0 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.3 |
| GE 6000 | 9.6 | 61.8 | 63.7 | 65.5 | 66.2 | 66.9 | 67.1 | 67.3 | 67.3 | 67.4 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.8 |
| GE 5000 | 9.8 | 63.6 | 65.5 | 67.3 | 68.0 | 68.8 | 69.1 | 69.3 | 69.3 | 69.4 | 69.6 | 69.7 | 69.7 | 69.7 | 69.9 | 69.9 |
| GE 4000 | 9.8 | 65.7 | 67.6 | 69.5 | 70.3 | 71.2 | 71.6 | 71.9 | 71.9 | 72.0 | 72.1 | 72.5 | 72.6 | 72.6 | 72.7 | 72.7 |
| GE 3000 | 10.7 | 68.7 | 69.7 | 70.8 | 71.9 | 72.7 | 73.3 | 73.5 | 73.5 | 73.6 | 74.0 | 74.1 | 74.2 | 74.2 | 74.3 | 74.3 |
| GE 2000 | 10.7 | 68.2 | 70.0 | 72.0 | 73.8 | 74.7 | 75.3 | 75.5 | 75.5 | 75.7 | 76.0 | 76.1 | 76.2 | 76.2 | 76.4 | 76.4 |
| GE 1000 | 10.7 | 69.8 | 71.3 | 73.9 | 75.5 | 76.5 | 77.1 | 77.3 | 77.3 | 77.4 | 77.8 | 77.9 | 78.0 | 78.0 | 78.1 | 78.1 |
| GE 1000 | 10.8 | 69.7 | 72.7 | 75.3 | 77.0 | 77.9 | 78.6 | 78.8 | 78.9 | 79.0 | 79.3 | 79.4 | 79.5 | 79.6 | 79.7 | 79.7 |
| GE 1000 | 10.8 | 70.6 | 73.6 | 76.4 | 78.1 | 79.3 | 80.1 | 80.4 | 80.4 | 80.5 | 80.9 | 81.0 | 81.1 | 81.1 | 81.2 | 81.2 |
| GE 1000 | 10.9 | 70.6 | 73.6 | 76.4 | 78.1 | 79.4 | 79.4 | 80.3 | 80.5 | 80.6 | 81.0 | 81.1 | 81.2 | 81.2 | 81.3 | 81.3 |
| GE 1000 | 11.0 | 71.0 | 74.0 | 77.0 | 79.1 | 80.3 | 81.0 | 81.6 | 81.6 | 81.7 | 82.0 | 82.2 | 82.3 | 82.3 | 82.4 | 82.4 |
| GE 1000 | 11.0 | 71.2 | 74.3 | 77.3 | 79.3 | 80.5 | 81.0 | 81.9 | 81.9 | 82.0 | 82.4 | 82.5 | 82.6 | 82.6 | 82.7 | 82.7 |
| GE 1000 | 11.0 | 71.4 | 74.8 | 77.9 | 80.0 | 81.6 | 82.0 | 83.0 | 83.0 | 83.3 | 83.7 | 83.9 | 84.2 | 84.2 | 84.3 | 84.3 |
| GE 1000 | 11.0 | 72.1 | 75.7 | 78.5 | 81.1 | 82.6 | 83.3 | 84.2 | 84.2 | 84.6 | 85.1 | 85.2 | 85.5 | 85.7 | 85.8 | 85.9 |
| GE 1000 | 11.0 | 72.5 | 76.2 | 79.4 | 81.8 | 83.5 | 84.9 | 85.5 | 85.5 | 85.9 | 86.4 | 86.5 | 87.1 | 87.4 | 87.5 | 87.6 |
| GE 1000 | 11.0 | 72.6 | 76.6 | 79.7 | 82.0 | 84.3 | 85.6 | 86.4 | 86.4 | 86.9 | 87.4 | 87.5 | 88.1 | 88.3 | 88.4 | 88.5 |
| GE 1000 | 11.0 | 72.8 | 77.0 | 80.4 | 83.3 | 85.0 | 86.0 | 87.0 | 87.1 | 87.6 | 88.1 | 88.2 | 88.9 | 89.1 | 89.2 | 89.6 |
| GE 1000 | 11.0 | 72.8 | 77.2 | 80.5 | 83.7 | 85.7 | 87.4 | 88.0 | 88.3 | 89.1 | 89.7 | 89.8 | 90.7 | 91.0 | 91.1 | 91.5 |
| GE 1000 | 11.0 | 72.9 | 77.3 | 80.9 | 84.3 | 86.4 | 88.3 | 89.4 | 89.7 | 90.5 | 91.1 | 91.3 | 92.2 | 92.6 | 92.8 | 93.4 |
| GE 1000 | 11.0 | 72.9 | 77.3 | 80.9 | 84.3 | 86.5 | 88.5 | 89.7 | 90.7 | 91.4 | 92.4 | 92.7 | 93.6 | 94.0 | 94.2 | 94.9 |
| GE 1000 | 11.0 | 72.9 | 77.3 | 80.9 | 84.4 | 86.8 | 88.9 | 90.1 | 90.5 | 91.6 | 92.7 | 93.3 | 94.7 | 95.0 | 95.7 | 96.8 |
| GE 1000 | 11.0 | 72.9 | 77.3 | 80.9 | 84.4 | 86.8 | 88.9 | 90.1 | 90.5 | 92.0 | 93.7 | 93.5 | 95.0 | 95.4 | 97.2 | 99.4 |
| GE 1000 | 11.0 | 72.9 | 77.3 | 80.9 | 84.4 | 86.8 | 88.9 | 90.1 | 90.5 | 92.0 | 93.7 | 93.5 | 95.0 | 95.4 | 97.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 846

WINDAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 714096 STATION NAME: MCGLIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS (LST): 0900-1100

| CEILING IN FEET | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 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 | 7.6 | 43.3 | 44.9 | 45.5 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | |
| GE 2000 | 9.1 | 52.7 | 54.6 | 55.2 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| GE 1800 | 9.0 | 53.1 | 55.0 | 55.5 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| GE 1600 | 9.0 | 53.1 | 55.0 | 55.5 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| GE 1400 | 9.0 | 53.5 | 55.4 | 56.0 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| GE 1200 | 9.1 | 55.0 | 56.9 | 57.4 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| GE 1000 | 9.1 | 57.2 | 59.2 | 60.2 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| GE 900 | 9.1 | 57.8 | 59.9 | 60.9 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| GE 800 | 9.8 | 61.9 | 64.2 | 65.1 | 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 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 700 | 10.0 | 63.4 | 66.1 | 67.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 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 600 | 10.2 | 63.8 | 66.5 | 67.6 | 68.6 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 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 500 | 10.4 | 66.7 | 69.5 | 70.6 | 71.9 | 72.0 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 400 | 10.4 | 68.3 | 71.2 | 72.6 | 73.9 | 74.1 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 300 | 10.9 | 69.9 | 72.7 | 74.2 | 75.8 | 76.0 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 200 | 11.2 | 71.4 | 74.2 | 75.9 | 77.7 | 77.9 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| GE 100 | 11.3 | 72.6 | 75.7 | 77.4 | 79.3 | 79.6 | 80.0 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 2000 | 11.6 | 73.5 | 76.6 | 78.4 | 80.5 | 80.9 | 81.3 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 1800 | 11.7 | 73.6 | 77.0 | 78.7 | 81.3 | 81.7 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 1600 | 11.7 | 73.8 | 77.0 | 78.7 | 81.3 | 81.7 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 1400 | 11.7 | 73.9 | 77.1 | 78.6 | 81.6 | 82.0 | 82.6 | 82.7 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 1200 | 11.7 | 74.2 | 77.4 | 79.0 | 82.0 | 82.9 | 83.8 | 84.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 1000 | 11.7 | 74.6 | 78.0 | 79.6 | 82.6 | 82.6 | 84.6 | 85.1 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 900 | 11.7 | 74.6 | 78.4 | 80.1 | 83.0 | 83.9 | 85.0 | 85.5 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 800 | 11.7 | 74.9 | 78.7 | 81.2 | 84.2 | 85.2 | 86.4 | 86.9 | 87.2 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE 700 | 11.7 | 75.1 | 79.1 | 81.7 | 84.9 | 86.1 | 87.2 | 87.8 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 600 | 11.7 | 75.2 | 79.3 | 82.0 | 85.7 | 87.0 | 88.4 | 89.1 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 500 | 11.7 | 75.2 | 79.4 | 82.3 | 86.5 | 88.2 | 89.2 | 91.0 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 400 | 11.7 | 75.3 | 79.7 | 82.5 | 87.0 | 89.1 | 91.4 | 92.2 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 300 | 11.7 | 75.3 | 79.7 | 82.5 | 87.0 | 89.1 | 91.4 | 92.3 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 200 | 11.7 | 75.3 | 79.7 | 82.5 | 87.0 | 89.1 | 91.6 | 92.6 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 100 | 11.7 | 75.3 | 79.7 | 82.5 | 87.0 | 89.1 | 91.6 | 92.6 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |

TOTAL NUMBER OF OBSERVATIONS: 445

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1200-1400

| 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 1/2 | GE 1/4 | GE 1/8 | GE 1/16 | GE 1/4 | GE 1/8 | GE 1/16 | |
| NO CEIL | 96.6 | 94.7 | 96.2 | 96.2 | 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 2000 | 96.6 | 94.5 | 96.7 | 96.3 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 1800 | 96.7 | 95.0 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 1600 | 96.7 | 95.0 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 1400 | 96.8 | 95.2 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 1200 | 96.8 | 95.8 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 1000 | 96.9 | 96.2 | 96.9 | 96.9 | 97.0 | 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 900 | 96.9 | 96.3 | 97.2 | 97.2 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 800 | 111.0 | 94.7 | 96.7 | 96.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 700 | 111.2 | 95.8 | 97.6 | 97.8 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 600 | 111.2 | 96.0 | 97.7 | 98.0 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 500 | 111.6 | 96.4 | 97.6 | 97.0 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 450 | 111.6 | 99.4 | 97.6 | 97.2 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 400 | 111.9 | 99.4 | 97.4 | 97.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 350 | 121.5 | 98.6 | 96.2 | 97.2 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 300 | 121.5 | 96.2 | 97.1 | 97.3 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 250 | 121.5 | 96.6 | 97.7 | 97.0 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 200 | 121.7 | 97.1 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 150 | 121.5 | 96.6 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 100 | 121.5 | 96.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 75 | 121.5 | 97.0 | 97.0 | 97.0 | 97.0 | 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 50 | 121.5 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 25 | 121.5 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 10 | 121.5 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 5 | 121.5 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 0 | 121.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |

TOTAL NUMBER OF OBSERVATIONS: 446

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCCUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS(EST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|-----|-----|-----|-----|
| | 1 | 1/2 | 1/4 | 1/8 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 3 | 4 | 5 | 6 |
| NO CEILING | 7.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 4000 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 3000 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 2000 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 1400 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 1000 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 800 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 600 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 400 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 200 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 100 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 50 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 30 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 20 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 10 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 5 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 0 | 9.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCCUIRE AFB TX

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-------------|-------------|-------------|---------|-------------|-------------|-------------|---------|-------------|-------------|
| | GE 1 | GE 1/2 | GF 1/4 | GF 1/8 | GF 1/4 | GF 1/2 | GF 3/4 | GF 1 | GF 1 1/4 | GF 1 1/2 | GF 1 3/4 | GF 2 | GF 2 1/4 | GF 2 1/2 | GF 2 3/4 | GF 3 | GF 3 1/4 | GF 3 1/2 |
| NO CEILING | 9.5 | 10.1 | 50.1 | 50.5 | 50.7 | 50.8 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| GF 2000 | 9.7 | 55.4 | 55.8 | 56.1 | 56.5 | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| GF 1800 | 9.7 | 55.4 | 55.8 | 56.1 | 56.5 | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| GF 1600 | 9.7 | 55.4 | 55.8 | 56.1 | 56.5 | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| GF 1400 | 9.7 | 55.4 | 56.1 | 56.5 | 56.9 | 57.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| GF 1200 | 9.3 | 56.0 | 56.4 | 56.7 | 57.1 | 57.2 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| GF 1000 | 10.7 | 61.1 | 61.7 | 62.2 | 62.5 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| GF 900 | 10.2 | 61.5 | 62.1 | 62.5 | 62.9 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| GF 800 | 10.5 | 65.0 | 65.7 | 66.2 | 66.5 | 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 |
| GF 700 | 10.5 | 65.5 | 66.3 | 66.5 | 67.1 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GF 600 | 10.5 | 66.1 | 67.7 | 67.5 | 68.1 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GF 500 | 10.5 | 66.4 | 69.7 | 70.2 | 70.8 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GF 400 | 11.0 | 70.9 | 72.0 | 73.0 | 73.6 | 73.6 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| GF 300 | 11.0 | 70.6 | 74.7 | 75.4 | 76.0 | 76.1 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| GF 200 | 11.0 | 74.9 | 77.5 | 78.1 | 78.7 | 78.8 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GF 100 | 11.0 | 77.2 | 80.1 | 81.0 | 81.6 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GF 800 | 11.5 | 78.5 | 81.7 | 82.5 | 83.1 | 83.2 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GF 700 | 11.0 | 75.1 | 82.5 | 83.3 | 83.9 | 84.0 | 84.7 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| GF 600 | 11.0 | 75.4 | 82.9 | 83.7 | 84.3 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GF 500 | 11.0 | 77.1 | 83.0 | 84.5 | 85.2 | 85.3 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GF 400 | 11.0 | 77.9 | 83.8 | 84.5 | 85.6 | 85.8 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GF 300 | 11.0 | 78.6 | 84.2 | 85.2 | 86.2 | 86.4 | 86.6 | 87.3 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GF 200 | 11.0 | 77.5 | 84.5 | 85.7 | 86.6 | 86.9 | 87.1 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| GF 100 | 11.0 | 78.4 | 85.0 | 86.4 | 87.4 | 87.6 | 87.8 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GF 800 | 11.0 | 78.1 | 85.5 | 87.4 | 88.3 | 88.7 | 88.9 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GF 700 | 11.0 | 78.5 | 86.2 | 87.7 | 88.7 | 88.4 | 89.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GF 600 | 11.0 | 78.8 | 86.7 | 87.8 | 88.1 | 88.6 | 90.0 | 91.3 | 91.7 | 92.0 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GF 500 | 11.0 | 78.9 | 86.5 | 88.2 | 89.7 | 90.4 | 91.7 | 92.9 | 92.9 | 93.7 | 94.7 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GF 400 | 11.0 | 78.9 | 86.5 | 88.3 | 90.0 | 90.9 | 92.1 | 94.1 | 94.7 | 95.0 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GF 300 | 11.0 | 78.9 | 86.5 | 88.5 | 90.1 | 91.0 | 92.7 | 94.3 | 94.4 | 95.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GF 200 | 11.0 | 78.9 | 86.5 | 88.5 | 90.1 | 91.0 | 92.7 | 94.3 | 94.4 | 95.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |

TOTAL NUMBER OF OBSERVATIONS: 246

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 774056 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS(IST): 2100-2300

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|-------|-------|-------|------|-------|-------|------|------|------|------|-------|
| | 1 | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/4 | 2 1/2 | 3 | 4 | 5 | 6 | 10 |
| NO CEILING | 9.7 | 71.6 | 52.2 | 52.5 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| 50 | 10.7 | 56.4 | 56.9 | 57.3 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 |
| 100 | 10.7 | 56.6 | 57.0 | 57.4 | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| 150 | 10.7 | 56.6 | 57.0 | 57.4 | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| 200 | 10.7 | 57.2 | 57.6 | 58.0 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| 250 | 10.7 | 57.5 | 58.0 | 58.3 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| 300 | 11.0 | 61.2 | 61.8 | 62.2 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| 350 | 11.2 | 61.4 | 62.0 | 62.5 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 400 | 11.6 | 64.5 | 65.3 | 65.8 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| 450 | 11.6 | 65.0 | 66.3 | 66.7 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| 500 | 11.6 | 65.7 | 67.1 | 67.5 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| 550 | 11.7 | 68.6 | 70.4 | 70.9 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| 600 | 12.3 | 70.7 | 72.7 | 73.3 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| 650 | 12.3 | 72.0 | 74.1 | 74.8 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| 700 | 12.4 | 74.7 | 77.5 | 78.3 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| 750 | 12.5 | 76.3 | 79.9 | 80.6 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| 800 | 12.5 | 77.3 | 80.9 | 81.9 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| 850 | 12.5 | 77.5 | 81.2 | 82.2 | 83.9 | 84.1 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 900 | 12.5 | 77.9 | 81.5 | 82.6 | 84.3 | 84.5 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 950 | 12.5 | 78.3 | 82.1 | 83.6 | 85.3 | 85.6 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| 1000 | 12.5 | 78.7 | 82.8 | 84.3 | 86.2 | 86.4 | 86.5 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 1050 | 12.5 | 78.7 | 83.0 | 84.7 | 86.6 | 86.9 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 1100 | 12.7 | 79.3 | 83.7 | 85.2 | 87.1 | 87.3 | 87.7 | 87.5 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| 1150 | 12.7 | 79.6 | 84.1 | 85.7 | 87.7 | 88.0 | 88.5 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 1200 | 12.8 | 79.9 | 84.5 | 86.2 | 88.2 | 88.6 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 1250 | 12.8 | 79.9 | 84.5 | 86.2 | 88.2 | 88.6 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 1300 | 12.8 | 79.9 | 84.7 | 86.4 | 88.5 | 89.1 | 89.9 | 91.1 | 91.2 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 1350 | 12.8 | 79.9 | 84.7 | 86.4 | 88.6 | 89.3 | 90.2 | 92.5 | 92.7 | 92.9 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 |
| 1400 | 12.8 | 80.0 | 84.9 | 86.6 | 89.3 | 90.1 | 91.2 | 94.0 | 94.3 | 95.0 | 95.1 | 95.1 | 95.4 | 95.6 | 95.9 | 95.9 |
| 1450 | 12.8 | 80.0 | 84.9 | 86.6 | 89.5 | 90.3 | 91.7 | 94.7 | 95.1 | 96.3 | 96.6 | 96.8 | 97.3 | 97.9 | 98.1 | 98.6 |
| 1500 | 12.8 | 80.0 | 84.9 | 86.6 | 89.5 | 90.3 | 91.8 | 94.8 | 95.3 | 96.4 | 96.8 | 97.0 | 97.9 | 98.5 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 44

GLOBAL CLIMATOLOGY BRANCH
 DTAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS(IST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|-------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|
| | 1 | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 1 | 1/2 | 3/4 | 1 | 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 |
| NO CEIL | 9.8 | 48.5 | 49.4 | 49.8 | 50.2 | 50.2 | 50.2 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| 01 2000 | 9.7 | 54.5 | 55.6 | 56.0 | 56.4 | 56.5 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| 01 1800 | 9.7 | 54.6 | 55.7 | 56.2 | 56.6 | 56.7 | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.9 | 56.8 | 56.9 | 56.9 | 56.9 |
| 01 1600 | 9.7 | 54.6 | 55.7 | 56.2 | 56.6 | 56.7 | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.9 | 56.8 | 56.9 | 56.9 | 56.9 |
| 01 1400 | 9.7 | 54.9 | 56.1 | 56.4 | 56.8 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.2 |
| 01 1200 | 9.8 | 55.6 | 56.7 | 57.1 | 57.6 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.9 | 57.6 | 57.9 | 57.9 | 57.9 |
| 01 1000 | 11.1 | 59.2 | 60.4 | 61.1 | 61.4 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| 01 0900 | 13.1 | 59.6 | 60.8 | 61.4 | 61.9 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 |
| 01 0800 | 13.1 | 63.2 | 64.3 | 65.0 | 65.6 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.9 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 |
| 01 0700 | 13.9 | 64.1 | 65.6 | 66.4 | 67.0 | 67.2 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 |
| 01 0600 | 13.9 | 64.8 | 66.3 | 67.1 | 67.4 | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 |
| 01 0500 | 11.1 | 67.0 | 68.0 | 69.7 | 70.5 | 70.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.9 | 70.9 | 71.0 | 71.0 | 71.0 |
| 01 0400 | 11.1 | 69.1 | 71.0 | 72.0 | 72.9 | 73.1 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5 |
| 01 0300 | 11.0 | 70.4 | 72.5 | 73.7 | 74.6 | 74.8 | 75.0 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.2 | 75.2 | 75.3 | 75.3 |
| 01 0200 | 12.0 | 72.5 | 74.9 | 76.2 | 77.2 | 77.5 | 77.7 | 77.7 | 77.7 | 77.8 | 77.8 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 |
| 01 0100 | 12.1 | 74.3 | 77.1 | 78.5 | 79.5 | 80.1 | 80.2 | 80.4 | 80.4 | 80.4 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.7 |
| 01 2400 | 12.1 | 75.2 | 78.7 | 79.7 | 81.1 | 81.4 | 81.6 | 81.7 | 81.7 | 81.8 | 81.8 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 |
| 01 2300 | 12.0 | 75.0 | 78.9 | 80.4 | 82.0 | 82.6 | 82.8 | 82.8 | 82.8 | 82.9 | 82.9 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 |
| 01 2200 | 12.2 | 75.9 | 79.1 | 80.6 | 82.1 | 82.5 | 82.8 | 83.0 | 83.0 | 83.0 | 83.1 | 83.2 | 83.3 | 83.3 | 83.3 | 83.4 |
| 01 2100 | 12.2 | 76.6 | 79.7 | 81.4 | 83.1 | 83.5 | 83.8 | 84.0 | 84.1 | 84.2 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.5 |
| 01 2000 | 12.2 | 76.9 | 80.2 | 81.9 | 83.8 | 84.3 | 84.7 | 85.0 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 |
| 01 1900 | 12.3 | 77.1 | 80.7 | 82.6 | 84.6 | 85.2 | 85.7 | 86.2 | 86.7 | 86.5 | 86.6 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 |
| 01 1800 | 12.3 | 77.7 | 81.2 | 83.2 | 85.2 | 85.8 | 86.4 | 86.9 | 87.7 | 87.2 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.7 |
| 01 1700 | 12.2 | 77.9 | 81.7 | 83.9 | 86.0 | 86.7 | 87.4 | 88.1 | 88.7 | 88.5 | 88.7 | 88.8 | 89.0 | 89.0 | 89.0 | 89.1 |
| 01 1600 | 12.3 | 78.1 | 82.0 | 84.4 | 86.6 | 87.5 | 88.2 | 89.1 | 89.8 | 89.6 | 89.7 | 89.9 | 90.1 | 90.2 | 90.2 | 90.2 |
| 01 1500 | 12.3 | 78.1 | 82.0 | 84.6 | 86.9 | 87.9 | 88.8 | 89.7 | 90.9 | 90.3 | 90.6 | 90.7 | 90.9 | 91.0 | 91.0 | 91.1 |
| 01 1400 | 12.3 | 78.2 | 82.4 | 84.9 | 87.4 | 88.7 | 89.8 | 91.0 | 91.1 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| 01 1300 | 12.2 | 78.3 | 82.6 | 85.3 | 88.1 | 89.4 | 90.9 | 92.3 | 92.6 | 92.4 | 92.4 | 92.9 | 93.4 | 93.4 | 93.4 | 93.4 |
| 01 1200 | 12.3 | 78.3 | 82.7 | 85.3 | 88.7 | 89.8 | 91.5 | 93.1 | 93.6 | 93.6 | 93.6 | 94.0 | 94.4 | 94.4 | 94.4 | 94.4 |
| 01 1100 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.7 | 93.5 | 93.6 | 93.6 | 93.6 | 94.0 | 94.2 | 94.2 | 94.2 | 94.4 |
| 01 1000 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0900 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0800 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0700 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0600 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0500 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0400 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0300 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0200 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0100 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 2400 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 2300 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 2200 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 2100 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 2000 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 1900 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 1800 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 1700 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 1600 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 1500 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 1400 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 1300 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 1200 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 1100 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 1000 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0900 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0800 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0700 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0600 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0500 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0400 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0300 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0200 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 01 0100 | 12.3 | 78.3 | 82.7 | 85.4 | 88.4 | 89.9 | 91.8 | 93.5 | 94.0 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |

TOTAL NUMBER OF OBSERVATIONS: 6767

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724055 STATION NAME: MCCUIR AFB TX

PERIOD OF RECORD: 78-87
 MONTH: MAR HOURS (LST): 0000-0200

| CEILING IN FEET | GE 1 | GE 40 | GE 6 | GE 5 | GE 4 | GE 3 | GE 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 | 7.3 | 51.1 | 52.2 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 50 | 8.7 | 56.0 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| 100 | 8.7 | 56.0 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| 160 | 8.7 | 56.0 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| 140 | 8.7 | 56.0 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| 120 | 8.7 | 56.9 | 58.2 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| 100 | 8.7 | 59.1 | 60.6 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 80 | 8.7 | 60.2 | 61.5 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| 60 | 8.7 | 62.6 | 64.1 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| 40 | 9.1 | 63.6 | 65.3 | 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 | 65.8 | 65.8 | 65.8 |
| 20 | 9.2 | 65.2 | 66.7 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| 10 | 9.6 | 69.5 | 70.7 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| 8 | 10.1 | 72.6 | 74.0 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 6 | 10.3 | 74.4 | 76.5 | 77.4 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| 4 | 10.5 | 77.4 | 79.2 | 81.0 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 2 | 10.7 | 80.5 | 83.0 | 84.7 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| 1 | 10.8 | 81.1 | 84.1 | 85.3 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 0 | 10.6 | 81.4 | 84.5 | 85.9 | 86.9 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 1000 | 10.6 | 81.6 | 84.9 | 86.3 | 87.4 | 87.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| 800 | 10.6 | 82.3 | 85.0 | 87.0 | 88.1 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 600 | 10.6 | 82.6 | 86.0 | 87.5 | 88.6 | 88.8 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 400 | 10.6 | 82.7 | 86.0 | 87.5 | 88.6 | 88.8 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 200 | 10.6 | 82.7 | 86.0 | 87.5 | 88.6 | 88.8 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 100 | 10.6 | 82.7 | 86.0 | 87.5 | 88.6 | 88.8 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 50 | 10.6 | 82.7 | 86.0 | 87.5 | 88.6 | 88.8 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 30 | 10.6 | 82.7 | 86.0 | 87.5 | 88.6 | 88.8 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 10 | 10.6 | 82.7 | 86.0 | 87.5 | 88.6 | 88.8 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 5 | 10.6 | 82.7 | 86.0 | 87.5 | 88.6 | 88.8 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 0 | 10.6 | 82.7 | 86.0 | 87.5 | 88.6 | 88.8 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 1000 | 10.6 | 83.7 | 87.5 | 90.4 | 93.4 | 94.2 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 315

GENERAL CLIMATOLOGY BRANCH
 WFFETAC
 FIC WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM EQUALLY OBSERVATIONS

STATION NUMBER: 774097 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 75-87
 MONTH: MAR HOURS(LSII): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-----------|-----------|-----------|---------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|------|
| | GE 1/8 | GE 1/4 | GE 1/2 | GE 3/4 | 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 12 | |
| NO CEIL | 74.7 | 49.3 | 49.2 | 48.6 | 47.4 | 47.5 | 47.4 | 46.0 | 45.7 | 44.7 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.5 |
| 01-000 | 84.1 | 49.7 | 50.9 | 51.2 | 52.1 | 52.5 | 52.4 | 52.9 | 52.9 | 53.1 | 53.7 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.4 |
| 01-100 | 84.1 | 49.7 | 50.9 | 51.2 | 52.0 | 52.5 | 52.4 | 52.9 | 52.9 | 53.1 | 53.7 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.4 |
| 01-140 | 84.1 | 49.6 | 51.0 | 51.3 | 52.2 | 52.6 | 52.9 | 53.0 | 53.0 | 53.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.5 |
| 01-170 | 84.1 | 50.6 | 51.9 | 52.3 | 53.1 | 53.5 | 53.9 | 54.0 | 54.0 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.5 |
| 01-200 | 84.5 | 54.1 | 55.5 | 55.8 | 56.7 | 57.1 | 57.4 | 57.5 | 57.5 | 57.7 | 57.4 | 57.8 | 57.4 | 57.4 | 57.4 | 57.4 | 57.6 |
| 01-240 | 84.5 | 54.9 | 56.3 | 56.7 | 57.5 | 58.0 | 58.3 | 58.4 | 58.4 | 58.6 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 59.0 |
| 01-270 | 84.5 | 54.6 | 57.2 | 57.5 | 58.4 | 58.8 | 59.2 | 59.4 | 59.4 | 59.6 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 60.0 |
| 01-300 | 84.6 | 60.0 | 61.7 | 62.1 | 63.1 | 63.4 | 63.9 | 64.0 | 64.0 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.6 |
| 01-330 | 84.6 | 60.0 | 62.5 | 62.9 | 63.8 | 64.2 | 64.5 | 64.7 | 64.7 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.4 |
| 01-360 | 84.9 | 63.2 | 65.3 | 65.2 | 67.1 | 67.4 | 67.7 | 68.1 | 68.1 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.6 |
| 01-400 | 84.9 | 63.0 | 70.1 | 71.0 | 71.3 | 72.3 | 72.6 | 72.8 | 72.8 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.5 |
| 01-430 | 84.6 | 68.8 | 72.1 | 73.0 | 74.0 | 74.4 | 74.7 | 74.9 | 74.9 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.7 |
| 01-470 | 84.7 | 71.5 | 74.7 | 74.9 | 75.9 | 76.5 | 76.8 | 77.0 | 77.0 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.4 | 77.7 |
| 01-500 | 84.7 | 71.0 | 77.1 | 77.1 | 79.2 | 79.8 | 80.1 | 80.3 | 80.3 | 80.6 | 80.9 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 81.2 |
| 01-540 | 84.7 | 75.4 | 78.1 | 78.9 | 81.2 | 81.7 | 82.0 | 82.3 | 82.4 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 83.1 |
| 01-580 | 84.9 | 78.2 | 79.7 | 81.1 | 82.4 | 82.9 | 83.5 | 83.8 | 83.8 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.6 |
| 01-620 | 84.7 | 78.1 | 79.5 | 81.0 | 82.1 | 82.8 | 83.2 | 83.9 | 84.1 | 84.2 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.9 |
| 01-660 | 84.7 | 77.1 | 81.2 | 81.0 | 83.5 | 83.9 | 84.5 | 85.7 | 85.9 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.8 |
| 01-700 | 84.7 | 78.0 | 81.7 | 83.3 | 84.6 | 85.3 | 86.1 | 86.5 | 86.7 | 86.8 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.5 |
| 01-740 | 84.7 | 78.2 | 82.1 | 83.7 | 85.3 | 86.2 | 87.5 | 87.7 | 87.8 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.8 |
| 01-780 | 84.7 | 78.2 | 82.3 | 84.1 | 85.6 | 86.6 | 88.0 | 88.2 | 88.3 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 89.2 |
| 01-820 | 84.9 | 78.4 | 82.5 | 84.9 | 86.1 | 87.2 | 88.7 | 88.9 | 89.0 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 90.1 |
| 01-860 | 84.9 | 78.4 | 82.5 | 84.8 | 86.0 | 86.6 | 88.0 | 88.5 | 88.7 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.6 |
| 01-900 | 84.9 | 78.5 | 82.9 | 85.8 | 86.8 | 88.2 | 89.2 | 91.0 | 91.4 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 92.5 |
| 01-940 | 84.9 | 78.9 | 83.4 | 86.7 | 87.5 | 88.9 | 90.6 | 92.1 | 93.1 | 93.2 | 93.5 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.6 |
| 01-980 | 84.9 | 78.9 | 84.4 | 87.1 | 89.4 | 91.4 | 93.3 | 93.9 | 94.1 | 94.6 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.8 |
| 01-1020 | 84.9 | 78.8 | 84.6 | 87.6 | 89.5 | 92.2 | 94.5 | 95.2 | 95.4 | 96.3 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 98.1 |
| 01-1060 | 84.9 | 78.8 | 84.8 | 87.2 | 89.5 | 92.2 | 94.5 | 95.2 | 95.6 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 98.5 |
| 01-1100 | 84.9 | 78.8 | 84.8 | 87.2 | 89.5 | 92.2 | 94.5 | 95.2 | 95.6 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 98.5 |

TOTAL NUMBER OF OBSERVATIONS: 937

GLOBAL CLIMATOLOGY BRANCH
 USAF/AFAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 704296 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87
 MONTH: MAR HOURS(EST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|---------|-------|--|
| | GE 10 | GF 6 | GE 5 | GF 4 | GE 3 | GF 2 | GF 1 1/2 | GE 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | GF 3/4 | GF 1/2 | GF 1/2 | GF 1/4 | GF 0 | | |
| NO CEIL | 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 | 100.0 | 100.0 | 100.0 | 100.0 | |
| 05 0000 | 11.2 | 52.8 | 54.2 | 54.3 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | |
| 05 0000 | 11.2 | 52.8 | 53.4 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | |
| 05 0000 | 11.2 | 52.8 | 53.4 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | |
| 05 0000 | 11.2 | 53.1 | 53.7 | 54.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | |
| 05 0000 | 11.3 | 53.8 | 54.4 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | |
| 05 1000 | 11.5 | 56.7 | 57.3 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | |
| 05 1000 | 11.5 | 57.0 | 57.6 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | |
| 05 1000 | 11.5 | 61.6 | 61.3 | 62.2 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | |
| 05 1000 | 12.3 | 62.5 | 63.1 | 64.0 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | |
| 05 0000 | 12.3 | 63.5 | 64.4 | 65.3 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | |
| 05 0000 | 12.7 | 65.4 | 66.6 | 67.4 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | |
| 05 0000 | 12.3 | 68.9 | 70.5 | 71.7 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | |
| 05 0000 | 12.3 | 72.0 | 73.7 | 75.3 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | |
| 05 0000 | 13.1 | 74.5 | 76.1 | 78.1 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | |
| 05 0000 | 13.0 | 77.0 | 79.7 | 81.0 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | |
| 05 0000 | 13.0 | 77.7 | 80.7 | 82.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | |
| 05 0000 | 13.2 | 78.5 | 80.9 | 83.2 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | |
| 05 0000 | 13.2 | 78.6 | 81.2 | 83.5 | 84.3 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | |
| 05 0000 | 13.2 | 79.3 | 82.8 | 85.2 | 86.1 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | |
| 05 0000 | 13.2 | 79.9 | 83.3 | 85.1 | 87.4 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | |
| 05 0000 | 13.4 | 81.1 | 84.1 | 86.1 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | |
| 05 0000 | 13.4 | 81.7 | 84.5 | 87.6 | 89.1 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | |
| 05 0000 | 13.4 | 82.5 | 85.2 | 88.3 | 89.1 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | |
| 05 0000 | 13.4 | 83.3 | 86.1 | 89.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | |
| 05 0000 | 13.4 | 84.1 | 87.4 | 90.1 | 91.2 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | |
| 05 0000 | 13.4 | 84.9 | 88.1 | 91.1 | 92.1 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | |
| 05 0000 | 13.4 | 85.7 | 89.6 | 92.6 | 93.7 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | |
| 05 0000 | 13.4 | 86.5 | 90.4 | 93.5 | 94.6 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | |
| 05 0000 | 13.4 | 87.3 | 91.2 | 94.3 | 95.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | |
| 05 0000 | 13.4 | 88.1 | 92.0 | 95.1 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | |
| 05 0000 | 13.4 | 88.9 | 92.8 | 95.9 | 97.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | |
| 05 0000 | 13.4 | 89.7 | 93.6 | 96.7 | 97.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | |
| 05 0000 | 13.4 | 90.5 | 94.4 | 97.5 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | |
| 05 0000 | 13.4 | 91.3 | 95.2 | 98.3 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| 05 0000 | 13.4 | 92.1 | 96.0 | 99.1 | 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: 450

FEDERAL CLIMATOLOGY BRANCH
WFO/ETAC
U.S. WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 7479 STATION NAME: MCQUIRE AFB TX

PERIOD OF RECORD: 74-87
MONTH: MAR HOURS (GMT): 1200-1400

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|-------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|
| | 1 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/4 | 2 1/2 | 3 | 3 1/4 | 3 1/2 | 4 | 4 1/4 | 4 1/2 |
| 9350 | 9341 | 9349 | 9349 | 9349 | 9349 | 9349 | 9349 | 9349 | 9349 | 9349 | 9349 | 9349 | 9349 | 9349 | 9349 | 9349 |
| 9340 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9330 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9320 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9310 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9300 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9290 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9280 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9270 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9260 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9250 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9240 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9230 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9220 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9210 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9200 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9190 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9180 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9170 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9160 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9150 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9140 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9130 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9120 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9110 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9100 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9090 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9080 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9070 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9060 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9050 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9040 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9030 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9020 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9010 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |
| 9000 | 9349 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 | 9347 |

TOTAL NUMBER OF OBSERVATIONS: 100

GLOBAL CLIMATOLOGY BRANCH
 WAFB/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 724196 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: MAR HOURS (LST): ALL

| CEILING 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 |
| 4000 | 47.7 | 47.1 | 47.0 | 46.2 | 46.3 | 46.3 | 46.4 | 46.4 | 46.4 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| 3500 | 53.1 | 52.9 | 54.3 | 54.4 | 54.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| 3000 | 53.3 | 54.1 | 54.5 | 54.7 | 54.6 | 54.8 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| 2500 | 54.2 | 54.6 | 54.8 | 55.0 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| 2000 | 57.2 | 54.1 | 56.5 | 58.7 | 58.7 | 58.9 | 58.8 | 58.8 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| 1500 | 57.6 | 56.8 | 57.2 | 59.4 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| 1000 | 61.3 | 57.6 | 62.6 | 63.1 | 63.1 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| 700 | 62.8 | 64.3 | 64.5 | 64.7 | 64.7 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| 500 | 64.2 | 64.2 | 64.4 | 65.6 | 65.6 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| 400 | 66.4 | 67.8 | 68.5 | 68.6 | 68.7 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| 300 | 70.0 | 71.7 | 72.5 | 72.7 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| 200 | 74.8 | 74.7 | 75.6 | 76.0 | 76.0 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| 150 | 76.1 | 78.1 | 78.2 | 78.5 | 78.6 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| 100 | 76.7 | 81.1 | 82.0 | 82.5 | 82.5 | 82.9 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| 75 | 79.7 | 82.5 | 83.6 | 84.2 | 84.4 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 50 | 83.4 | 83.1 | 84.5 | 85.2 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| 25 | 87.5 | 83.7 | 84.7 | 85.4 | 85.7 | 86.0 | 86.0 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 15 | 88.2 | 84.7 | 85.7 | 86.5 | 86.7 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| 10 | 88.1 | 84.7 | 86.5 | 87.4 | 87.7 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 7.5 | 88.1 | 84.1 | 86.2 | 88.3 | 88.7 | 89.2 | 89.3 | 89.3 | 89.3 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| 5 | 88.5 | 85.5 | 87.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 2.5 | 88.7 | 86.1 | 88.4 | 90.3 | 90.4 | 91.1 | 91.1 | 91.1 | 91.1 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 1.5 | 88.7 | 86.4 | 88.7 | 90.6 | 90.6 | 91.9 | 92.2 | 92.2 | 92.2 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 1 | 88.1 | 86.7 | 89.3 | 91.4 | 91.4 | 92.1 | 92.1 | 92.1 | 92.1 | 92.6 | 92.7 | 92.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| 0.75 | 88.1 | 87.1 | 89.7 | 92.4 | 92.3 | 94.0 | 95.1 | 95.3 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 0.5 | 88.1 | 87.4 | 89.3 | 93.3 | 93.3 | 94.0 | 95.4 | 96.1 | 96.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 0.25 | 88.5 | 87.7 | 89.5 | 93.7 | 94.4 | 96.1 | 96.1 | 96.8 | 97.1 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 0.15 | 88.5 | 87.5 | 89.5 | 93.7 | 94.4 | 96.3 | 97.2 | 97.5 | 98.0 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 0.1 | 88.5 | 87.7 | 89.5 | 93.7 | 94.4 | 96.3 | 97.2 | 97.5 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 0.05 | 88.5 | 87.3 | 89.5 | 94.5 | 94.4 | 96.7 | 97.7 | 97.5 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS: 1000

CLIMATE DIVISION
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

UNIT NUMBER: 74090 STATION NAME: MC GUIRE AFB TX

PERIOD OF RECORD: 78-87

MONTH: APR HOURS (LST): 0000-0200

| TIME | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | | | |
|------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 0000 | 7.7 | 49.1 | 49.7 | 50.1 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.4 | 50.6 | 50.6 | 50.7 | 50.7 | 50.9 | 51.0 |
| 0100 | 7.8 | 52.8 | 53.8 | 54.1 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.6 | 54.7 | 54.7 | 54.8 | 54.8 | 55.0 | 55.1 |
| 0200 | 7.8 | 52.8 | 53.8 | 54.1 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.6 | 54.7 | 54.7 | 54.8 | 54.8 | 55.0 | 55.1 |
| 0300 | 7.8 | 53.1 | 54.1 | 54.4 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.9 | 55.0 | 55.0 | 55.1 | 55.1 | 55.3 | 55.4 |
| 0400 | 7.8 | 53.9 | 54.9 | 55.3 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.8 | 55.9 | 55.9 | 56.0 | 56.0 | 56.2 | 56.3 |
| 0500 | 8.0 | 56.1 | 57.1 | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.4 | 58.6 |
| 0600 | 8.0 | 56.4 | 57.4 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.3 | 58.4 | 58.4 | 58.5 | 58.5 | 58.8 | 58.9 |
| 0700 | 8.2 | 61.2 | 61.8 | 61.9 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.4 | 62.6 | 62.6 | 62.7 | 62.7 | 62.9 | 63.0 |
| 0800 | 8.2 | 61.3 | 62.4 | 63.0 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.8 | 63.9 | 63.9 | 64.0 | 64.0 | 64.2 | 64.3 |
| 0900 | 8.4 | 62.1 | 63.3 | 63.9 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.7 | 64.8 | 64.8 | 64.9 | 64.9 | 65.1 | 65.2 |
| 1000 | 8.6 | 64.6 | 66.2 | 67.3 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.9 | 68.0 | 68.0 | 68.1 | 68.1 | 68.3 | 68.4 |
| 1100 | 8.7 | 68.0 | 69.7 | 70.4 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.6 | 71.7 | 71.7 | 71.8 | 71.8 | 72.0 | 72.1 |
| 1200 | 8.9 | 72.3 | 72.6 | 73.4 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.7 | 74.8 | 74.8 | 74.9 | 74.9 | 75.1 | 75.2 |
| 1300 | 9.1 | 72.3 | 74.9 | 75.4 | 76.5 | 76.9 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.4 | 77.6 | 77.6 | 77.7 | 77.7 | 77.9 | 78.0 |
| 1400 | 9.2 | 73.6 | 76.7 | 77.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 79.3 | 79.4 | 79.4 | 79.6 | 79.6 | 79.8 | 79.9 |
| 1500 | 9.2 | 74.6 | 77.4 | 78.7 | 79.8 | 80.0 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.7 | 80.7 | 80.7 | 80.8 | 80.8 | 81.0 | 81.1 |
| 1600 | 9.2 | 75.2 | 78.1 | 79.3 | 80.6 | 80.8 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.4 | 81.6 | 81.6 | 81.7 | 81.7 | 81.9 | 82.0 |
| 1700 | 9.2 | 75.4 | 78.3 | 79.6 | 80.9 | 81.0 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.7 | 81.8 | 81.8 | 81.9 | 81.9 | 82.1 | 82.2 |
| 1800 | 9.2 | 76.0 | 78.9 | 80.1 | 81.3 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 82.2 | 82.3 | 82.3 | 82.6 | 82.6 | 82.8 | 82.9 |
| 1900 | 9.4 | 76.9 | 79.8 | 81.4 | 82.7 | 82.9 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.6 | 83.7 | 83.7 | 83.9 | 83.9 | 84.1 | 84.2 |
| 2000 | 9.6 | 77.6 | 80.7 | 82.3 | 83.7 | 84.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.6 | 84.6 | 84.6 | 85.0 | 85.0 | 85.2 | 85.3 |
| 2100 | 9.6 | 77.9 | 81.8 | 83.5 | 84.8 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.3 | 85.4 | 85.4 | 85.7 | 85.7 | 85.9 | 86.0 |
| 2200 | 9.6 | 78.2 | 81.1 | 83.0 | 84.6 | 84.9 | 85.2 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.9 | 86.0 | 86.0 | 86.2 | 86.2 | 86.4 | 86.6 |
| 2300 | 9.6 | 78.2 | 81.2 | 83.1 | 85.1 | 85.3 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 86.4 | 86.6 | 86.6 | 86.9 | 86.8 | 87.0 | 87.1 |
| 0000 | 9.6 | 78.6 | 81.6 | 83.6 | 86.1 | 86.6 | 87.4 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 88.1 | 88.2 | 88.2 | 88.6 | 88.6 | 88.8 | 88.9 |
| 0100 | 9.6 | 79.1 | 82.2 | 84.1 | 87.6 | 88.4 | 89.9 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.7 | 90.9 | 90.9 | 91.2 | 91.2 | 91.4 | 91.6 |
| 0200 | 9.6 | 79.1 | 82.2 | 84.3 | 88.2 | 89.3 | 91.2 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.7 | 92.0 | 92.0 | 92.3 | 92.3 | 92.6 | 92.7 |
| 0300 | 9.6 | 79.2 | 82.0 | 85.4 | 88.3 | 89.9 | 92.3 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 94.4 | 94.8 | 94.8 | 95.1 | 95.1 | 95.7 | 95.8 |
| 0400 | 9.6 | 79.2 | 82.7 | 85.4 | 88.3 | 89.9 | 92.6 | 93.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 95.4 | 96.4 | 96.4 | 97.7 | 97.7 | 98.3 | 98.6 |
| 0500 | 9.6 | 79.2 | 82.3 | 85.4 | 88.3 | 89.9 | 92.6 | 93.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 95.6 | 96.8 | 96.8 | 98.0 | 98.0 | 99.2 | 99.8 |
| 0600 | 9.6 | 79.2 | 82.3 | 85.4 | 88.3 | 89.9 | 92.6 | 93.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 95.6 | 96.8 | 96.8 | 98.0 | 98.0 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 201

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCCUIRE AFB TX

PERIOD OF RECORD: 78-87

MONTH: APR HOURS(LST): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
| | GE 1 | GE 3 | GE 5 | GE 7 | GE 9 | GE 11 | GE 13 | GE 15 | GE 17 | GE 19 | GE 21 | GE 23 | GE 25 | GE 27 | GE 29 | GE 31 | |
| NO CEIL | 5.7 | 46.9 | 48.4 | 49.0 | 50.0 | 50.1 | 50.7 | 50.3 | 50.3 | 50.3 | 50.3 | 50.4 | 50.4 | 50.6 | 50.6 | 50.8 | 50.9 |
| CE 2000 | 6.1 | 50.9 | 52.6 | 53.7 | 54.2 | 54.3 | 54.6 | 54.6 | 54.6 | 54.7 | 54.8 | 54.8 | 54.8 | 54.9 | 54.9 | 55.2 | 55.3 |
| CE 3000 | 6.1 | 50.9 | 52.6 | 53.7 | 54.2 | 54.3 | 54.6 | 54.6 | 54.6 | 54.7 | 54.8 | 54.8 | 54.8 | 54.9 | 54.9 | 55.2 | 55.3 |
| CE 4000 | 6.1 | 51.0 | 52.7 | 53.8 | 54.3 | 54.4 | 54.7 | 54.7 | 54.7 | 54.8 | 54.9 | 54.9 | 55.0 | 55.0 | 55.3 | 55.4 | 55.4 |
| CE 5000 | 6.1 | 51.7 | 53.3 | 54.4 | 55.0 | 55.1 | 55.3 | 55.3 | 55.3 | 55.4 | 55.6 | 55.6 | 55.7 | 55.7 | 56.0 | 56.1 | 56.1 |
| CE 6000 | 6.1 | 54.7 | 56.6 | 57.7 | 58.2 | 58.3 | 58.6 | 58.6 | 58.6 | 58.7 | 58.8 | 58.8 | 58.9 | 58.9 | 59.2 | 59.3 | 59.3 |
| CE 7000 | 6.1 | 54.8 | 56.7 | 57.8 | 58.3 | 58.4 | 58.7 | 58.7 | 58.7 | 58.8 | 58.9 | 58.9 | 59.0 | 59.0 | 59.3 | 59.4 | 59.4 |
| CE 8000 | 6.2 | 57.9 | 60.0 | 61.3 | 61.9 | 62.0 | 62.2 | 62.2 | 62.2 | 62.3 | 62.4 | 62.4 | 62.6 | 62.6 | 62.9 | 63.0 | 63.0 |
| CE 9000 | 6.2 | 59.0 | 61.1 | 62.4 | 63.1 | 63.2 | 63.4 | 63.4 | 63.4 | 63.6 | 63.7 | 63.7 | 63.8 | 63.8 | 64.1 | 64.2 | 64.2 |
| CE 10000 | 6.4 | 59.6 | 61.8 | 63.1 | 63.8 | 63.9 | 64.1 | 64.1 | 64.1 | 64.2 | 64.3 | 64.3 | 64.4 | 64.4 | 64.8 | 64.9 | 64.9 |
| CE 11000 | 6.4 | 62.0 | 64.6 | 65.9 | 66.6 | 66.7 | 66.9 | 66.9 | 66.9 | 67.0 | 67.1 | 67.1 | 67.2 | 67.2 | 67.6 | 67.7 | 67.7 |
| CE 12000 | 6.6 | 65.2 | 67.8 | 69.1 | 69.8 | 70.0 | 70.2 | 70.2 | 70.3 | 70.4 | 70.4 | 70.4 | 70.7 | 70.7 | 71.0 | 71.1 | 71.1 |
| CE 13000 | 6.7 | 66.3 | 69.0 | 70.3 | 71.1 | 71.4 | 71.7 | 71.8 | 71.8 | 71.9 | 72.0 | 72.0 | 72.2 | 72.2 | 72.6 | 72.7 | 72.7 |
| CE 14000 | 7.2 | 68.5 | 71.3 | 72.7 | 73.6 | 73.9 | 74.1 | 74.1 | 74.2 | 74.3 | 74.4 | 74.4 | 74.7 | 74.7 | 75.0 | 75.1 | 75.1 |
| CE 15000 | 7.4 | 70.2 | 73.0 | 74.0 | 75.4 | 75.8 | 76.1 | 76.3 | 76.3 | 76.4 | 76.6 | 76.6 | 76.8 | 76.8 | 77.1 | 77.2 | 77.2 |
| CE 16000 | 7.4 | 72.0 | 75.0 | 76.8 | 77.7 | 78.0 | 78.4 | 78.7 | 78.7 | 78.8 | 78.9 | 78.9 | 79.1 | 79.1 | 79.4 | 79.6 | 79.6 |
| CE 17000 | 7.6 | 73.0 | 76.0 | 77.9 | 79.3 | 79.5 | 79.8 | 80.0 | 80.0 | 80.1 | 80.2 | 80.2 | 80.4 | 80.4 | 80.8 | 80.9 | 80.9 |
| CE 18000 | 7.6 | 73.0 | 76.0 | 77.9 | 79.3 | 79.5 | 79.8 | 80.1 | 80.1 | 80.2 | 80.3 | 80.3 | 80.6 | 80.6 | 80.9 | 81.0 | 81.0 |
| CE 19000 | 7.6 | 73.2 | 76.2 | 78.2 | 79.4 | 79.6 | 80.3 | 80.7 | 80.8 | 80.9 | 81.1 | 81.1 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 |
| CE 20000 | 7.6 | 73.8 | 77.1 | 79.3 | 80.7 | 81.0 | 81.8 | 82.1 | 82.1 | 82.3 | 82.4 | 82.7 | 82.7 | 83.0 | 83.1 | 83.1 | 83.1 |
| CE 21000 | 7.6 | 74.1 | 77.7 | 79.9 | 81.3 | 81.7 | 82.6 | 82.9 | 83.0 | 83.2 | 83.3 | 83.3 | 83.6 | 83.6 | 83.9 | 84.0 | 84.0 |
| CE 22000 | 7.6 | 74.3 | 77.9 | 80.3 | 82.0 | 82.3 | 83.2 | 83.7 | 83.8 | 84.1 | 84.2 | 84.2 | 84.4 | 84.4 | 84.8 | 84.9 | 84.9 |
| CE 23000 | 7.6 | 74.4 | 78.2 | 80.7 | 82.4 | 82.6 | 83.7 | 84.1 | 84.2 | 84.6 | 84.7 | 84.7 | 84.9 | 84.9 | 85.2 | 85.3 | 85.3 |
| CE 24000 | 7.6 | 75.0 | 78.9 | 81.3 | 83.4 | 83.8 | 84.9 | 85.4 | 85.6 | 85.9 | 86.1 | 86.1 | 86.3 | 86.3 | 86.7 | 86.8 | 86.8 |
| CE 25000 | 7.6 | 75.3 | 79.5 | 82.3 | 85.3 | 85.7 | 86.9 | 87.4 | 87.6 | 87.9 | 88.1 | 88.1 | 88.3 | 88.3 | 88.7 | 88.8 | 88.8 |
| CE 26000 | 7.6 | 75.6 | 80.2 | 83.3 | 86.4 | 87.2 | 88.4 | 89.4 | 89.7 | 90.1 | 90.4 | 90.4 | 90.8 | 90.8 | 91.1 | 91.2 | 91.2 |
| CE 27000 | 7.6 | 76.1 | 80.9 | 84.9 | 87.6 | 88.8 | 90.2 | 91.6 | 91.7 | 92.4 | 92.4 | 92.9 | 93.2 | 93.2 | 93.6 | 93.7 | 93.7 |
| CE 28000 | 7.6 | 76.2 | 81.0 | 85.0 | 87.5 | 89.0 | 90.9 | 92.6 | 93.7 | 93.9 | 94.6 | 94.6 | 95.3 | 95.4 | 96.0 | 96.1 | 96.1 |
| CE 29000 | 7.6 | 76.2 | 81.0 | 85.0 | 87.5 | 89.0 | 91.1 | 93.1 | 93.7 | 94.7 | 95.7 | 95.7 | 96.9 | 97.0 | 97.8 | 97.8 | 97.8 |
| CE 30000 | 7.6 | 76.2 | 81.0 | 85.0 | 87.5 | 89.0 | 91.1 | 93.1 | 93.7 | 94.7 | 95.7 | 95.7 | 97.4 | 97.8 | 98.8 | 98.8 | 98.8 |

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704096 STATION NAME: MCBIREF AFB NJ

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0600-0800

| 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 | 4.4 | 39.2 | 47.3 | 40.9 | 41.4 | 41.9 | 42.0 | 42.1 | 42.1 | 42.2 | 42.2 | 42.2 | 42.3 | 42.3 | 42.4 | 42.8 | | | |
| GE 2000 | 5.4 | 44.2 | 45.9 | 46.6 | 47.2 | 47.7 | 47.8 | 47.5 | 47.9 | 48.0 | 48.0 | 48.0 | 48.1 | 48.1 | 48.2 | 48.6 | | | |
| GE 1800 | 5.7 | 44.7 | 46.3 | 47.3 | 47.7 | 48.1 | 48.2 | 48.3 | 48.3 | 48.4 | 48.4 | 48.4 | 48.6 | 48.6 | 48.7 | 49.0 | | | |
| GE 1600 | 5.7 | 44.7 | 46.3 | 47.3 | 47.7 | 48.1 | 48.2 | 48.3 | 48.3 | 48.4 | 48.4 | 48.4 | 48.6 | 48.6 | 48.7 | 49.0 | | | |
| GE 1400 | 5.7 | 44.8 | 46.4 | 47.1 | 47.8 | 48.2 | 48.3 | 48.4 | 48.4 | 48.6 | 48.6 | 48.6 | 48.7 | 48.7 | 48.8 | 49.1 | | | |
| GE 1200 | 5.8 | 45.4 | 47.1 | 47.8 | 48.4 | 48.9 | 49.0 | 49.1 | 49.1 | 49.2 | 49.2 | 49.2 | 49.3 | 49.3 | 49.4 | 49.8 | | | |
| GE 1000 | 6.1 | 47.8 | 49.6 | 50.2 | 50.9 | 51.3 | 51.4 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.8 | 51.8 | 51.9 | 52.2 | | | |
| GE 900 | 6.1 | 48.1 | 49.9 | 50.6 | 51.2 | 51.7 | 51.8 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.1 | 52.1 | 52.2 | 52.6 | | | |
| GE 800 | 6.1 | 52.4 | 54.6 | 55.4 | 56.2 | 56.7 | 56.8 | 56.9 | 56.9 | 57.0 | 57.0 | 57.0 | 57.1 | 57.1 | 57.2 | 57.6 | | | |
| GE 700 | 6.8 | 54.7 | 56.9 | 57.8 | 58.6 | 59.0 | 59.1 | 59.2 | 59.2 | 59.3 | 59.3 | 59.3 | 59.4 | 59.4 | 59.6 | 59.9 | | | |
| GE 600 | 6.9 | 55.3 | 57.7 | 58.6 | 59.3 | 59.8 | 59.9 | 60.0 | 60.0 | 60.1 | 60.1 | 60.1 | 60.2 | 60.2 | 60.3 | 60.7 | | | |
| GE 500 | 6.9 | 58.6 | 61.1 | 62.2 | 63.4 | 64.0 | 64.1 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.6 | 64.6 | 64.7 | 65.0 | | | |
| GE 450 | 7.0 | 62.4 | 65.0 | 66.2 | 67.4 | 68.0 | 68.2 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.7 | 68.7 | 68.8 | 69.1 | | | |
| GE 400 | 7.1 | 64.4 | 67.4 | 68.6 | 70.0 | 70.6 | 70.8 | 70.9 | 70.9 | 71.0 | 71.0 | 71.0 | 71.2 | 71.2 | 71.3 | 71.7 | | | |
| GE 350 | 7.3 | 66.4 | 69.7 | 71.1 | 72.4 | 73.1 | 73.3 | 73.4 | 73.4 | 73.6 | 73.6 | 73.6 | 73.8 | 73.8 | 73.9 | 74.2 | | | |
| GE 300 | 7.4 | 68.2 | 71.6 | 73.1 | 74.6 | 75.2 | 75.4 | 75.6 | 75.6 | 75.8 | 75.8 | 75.8 | 76.0 | 76.0 | 76.2 | 76.6 | | | |
| GE 250 | 7.4 | 69.7 | 73.1 | 74.7 | 76.3 | 77.0 | 77.3 | 77.4 | 77.4 | 77.7 | 77.7 | 77.7 | 77.9 | 77.9 | 78.1 | 78.4 | | | |
| GE 200 | 7.4 | 70.0 | 73.4 | 75.1 | 76.8 | 77.6 | 77.9 | 78.1 | 78.1 | 78.3 | 78.3 | 78.3 | 78.6 | 78.6 | 78.8 | 79.1 | | | |
| GE 150 | 7.4 | 70.0 | 73.4 | 75.1 | 76.8 | 77.6 | 77.6 | 78.0 | 78.2 | 78.4 | 78.4 | 78.4 | 78.7 | 78.7 | 78.9 | 79.2 | | | |
| GE 100 | 7.4 | 70.6 | 74.4 | 76.2 | 77.9 | 78.7 | 79.1 | 79.3 | 79.3 | 79.6 | 79.6 | 79.6 | 79.8 | 79.8 | 80.0 | 80.3 | | | |
| GE 50 | 7.4 | 71.2 | 75.2 | 77.2 | 79.2 | 80.2 | 80.7 | 81.0 | 81.0 | 81.2 | 81.2 | 81.2 | 81.4 | 81.4 | 81.7 | 82.0 | | | |
| GE 0 | 7.4 | 71.7 | 75.9 | 78.1 | 80.2 | 81.2 | 81.8 | 82.3 | 82.3 | 82.7 | 82.7 | 82.8 | 83.0 | 83.0 | 83.2 | 83.6 | | | |
| GE 0 | 7.4 | 71.7 | 75.9 | 78.2 | 80.3 | 81.3 | 82.0 | 82.6 | 82.6 | 82.9 | 82.9 | 83.0 | 83.2 | 83.2 | 83.4 | 83.8 | | | |
| GE 0 | 7.4 | 71.8 | 76.1 | 78.6 | 81.2 | 82.4 | 83.3 | 84.1 | 84.1 | 84.4 | 84.6 | 84.6 | 84.9 | 84.9 | 85.1 | 85.4 | | | |
| GE 0 | 7.4 | 71.9 | 76.2 | 78.9 | 81.3 | 83.0 | 84.1 | 84.9 | 84.9 | 85.3 | 85.4 | 85.4 | 85.8 | 85.8 | 86.0 | 86.3 | | | |
| GE 0 | 7.4 | 72.6 | 77.0 | 79.9 | 82.0 | 84.8 | 86.2 | 87.0 | 87.0 | 87.9 | 88.1 | 88.1 | 88.4 | 88.4 | 88.7 | 89.0 | | | |
| GE 0 | 7.4 | 72.8 | 77.6 | 80.6 | 84.3 | 86.3 | 88.2 | 89.3 | 89.4 | 90.4 | 90.8 | 90.8 | 91.1 | 91.1 | 91.3 | 91.7 | | | |
| GE 0 | 7.4 | 72.9 | 77.7 | 81.0 | 85.0 | 87.1 | 89.3 | 90.4 | 90.9 | 92.3 | 92.9 | 92.9 | 93.2 | 93.2 | 93.4 | 93.8 | | | |
| GE 0 | 7.4 | 72.9 | 77.8 | 81.3 | 85.5 | 88.2 | 90.9 | 92.7 | 92.9 | 94.4 | 95.6 | 95.6 | 96.0 | 96.0 | 96.2 | 96.7 | | | |
| GE 0 | 7.4 | 72.9 | 77.8 | 81.3 | 85.5 | 88.3 | 91.1 | 93.2 | 93.4 | 95.0 | 96.3 | 96.3 | 97.4 | 97.4 | 98.0 | 98.6 | | | |
| GE 0 | 7.4 | 72.9 | 77.8 | 81.3 | 85.8 | 88.3 | 91.2 | 93.3 | 93.6 | 95.1 | 96.4 | 96.4 | 97.8 | 98.0 | 98.9 | 99.8 | | | |
| GE 0 | 7.4 | 72.9 | 77.8 | 81.3 | 85.8 | 88.3 | 91.2 | 93.3 | 93.6 | 95.1 | 96.4 | 96.4 | 97.8 | 98.0 | 99.0 | 100.0 | | | |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAF/AFAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: APR HOURS(LST): 0900-1100

| CEILING IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | 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 | 5.0 | 42.3 | 43.4 | 43.7 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 |
| GE 20000 | 7.2 | 48.8 | 50.1 | 50.3 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| GE 17000 | 7.2 | 48.9 | 50.2 | 50.4 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| GE 14000 | 7.2 | 48.9 | 50.2 | 50.4 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| GE 12000 | 7.6 | 49.7 | 51.0 | 51.2 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| GE 10000 | 8.2 | 53.1 | 54.6 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| GE 9000 | 8.2 | 53.1 | 54.6 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| GE 8000 | 8.8 | 57.0 | 58.6 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 7000 | 9.0 | 58.2 | 59.8 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| GE 6000 | 9.0 | 59.1 | 60.7 | 60.9 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| GE 5000 | 9.1 | 61.3 | 63.2 | 63.4 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 4500 | 9.1 | 64.3 | 66.2 | 66.6 | 66.8 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| GE 4000 | 9.2 | 68.9 | 71.1 | 71.3 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| GE 3500 | 10.0 | 71.6 | 73.8 | 74.2 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| GE 3000 | 10.4 | 74.4 | 77.0 | 77.9 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 2500 | 10.4 | 75.7 | 78.2 | 79.3 | 79.8 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 2000 | 10.6 | 76.8 | 79.4 | 81.6 | 81.1 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GE 1500 | 10.6 | 76.9 | 79.6 | 81.7 | 81.3 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 1000 | 10.7 | 77.7 | 80.6 | 81.5 | 82.7 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 500 | 10.7 | 78.6 | 81.6 | 82.8 | 83.9 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 1000 | 10.7 | 79.0 | 82.4 | 84.1 | 85.3 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 900 | 10.7 | 79.1 | 82.7 | 84.6 | 85.9 | 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 | 86.6 | 86.6 |
| GE 800 | 10.7 | 79.2 | 83.3 | 85.4 | 87.0 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 700 | 10.7 | 79.4 | 83.9 | 86.3 | 88.6 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 600 | 10.7 | 79.4 | 84.0 | 86.6 | 89.8 | 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 | 91.2 | 91.2 | 91.2 |
| GE 500 | 10.7 | 80.1 | 84.7 | 87.6 | 91.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 400 | 10.7 | 80.1 | 84.7 | 87.6 | 92.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 300 | 10.7 | 80.1 | 84.9 | 87.9 | 92.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 200 | 10.7 | 80.1 | 84.9 | 87.9 | 92.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 100 | 10.7 | 80.1 | 84.9 | 87.9 | 92.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 0 | 10.7 | 80.1 | 84.9 | 87.9 | 92.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH
WAFB/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: APR HOURS (LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | 1 | GE 10 | GE 5 | 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 CTE | 7.4 | 42.0 | 42.4 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | |
| GE 10000 | 7.2 | 49.9 | 50.3 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | |
| GE 16000 | 7.4 | 50.3 | 50.8 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | |
| GE 16000 | 9.4 | 50.3 | 50.4 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | |
| GE 14000 | 9.4 | 50.8 | 51.2 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | |
| GE 12000 | 9.7 | 51.6 | 52.0 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | |
| GE 10000 | 10.1 | 52.9 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | |
| GE 9000 | 10.3 | 53.1 | 53.6 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | |
| GE 8000 | 10.7 | 56.7 | 57.0 | 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 7000 | 11.1 | 58.0 | 59.6 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | |
| GE 6000 | 11.1 | 58.7 | 59.2 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | |
| GE 5000 | 11.1 | 60.6 | 61.2 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | |
| GE 4000 | 11.1 | 63.0 | 63.7 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | |
| GE 3000 | 12.7 | 69.4 | 70.2 | 71.9 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | |
| GE 2000 | 12.3 | 72.2 | 73.1 | 73.8 | 74.0 | 74.1 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | |
| GE 1000 | 13.1 | 77.3 | 78.7 | 79.3 | 79.6 | 79.7 | 79.8 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | |
| GE 2000 | 13.2 | 80.0 | 81.6 | 82.3 | 82.6 | 82.7 | 82.8 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | |
| GE 2000 | 13.3 | 81.3 | 82.9 | 83.9 | 84.1 | 84.2 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | |
| GE 1600 | 13.3 | 81.7 | 83.2 | 84.3 | 84.7 | 84.8 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | |
| GE 1400 | 13.3 | 83.1 | 84.7 | 86.2 | 86.6 | 86.7 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | |
| GE 1200 | 13.3 | 83.7 | 85.4 | 87.1 | 87.6 | 87.7 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | |
| GE 1000 | 13.3 | 84.8 | 86.9 | 89.2 | 90.2 | 90.4 | 90.7 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | |
| GE 900 | 13.3 | 84.8 | 87.1 | 89.7 | 90.8 | 91.0 | 91.2 | 91.2 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | |
| GE 800 | 13.3 | 85.2 | 87.8 | 90.3 | 91.8 | 92.1 | 92.3 | 92.3 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | |
| GE 700 | 13.3 | 85.2 | 87.9 | 90.6 | 92.1 | 92.4 | 92.7 | 92.9 | 93.1 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | |
| GE 600 | 13.3 | 85.6 | 89.2 | 91.0 | 93.1 | 93.4 | 93.9 | 94.3 | 94.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | |
| GE 500 | 13.3 | 86.0 | 89.7 | 91.9 | 94.3 | 94.7 | 95.7 | 96.4 | 96.7 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | |
| GE 400 | 13.4 | 86.1 | 89.8 | 92.1 | 94.7 | 95.3 | 96.4 | 97.2 | 97.4 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | |
| GE 300 | 13.6 | 86.2 | 89.9 | 92.2 | 94.9 | 95.6 | 96.8 | 98.0 | 98.2 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | |
| GE 200 | 13.6 | 86.2 | 89.9 | 92.3 | 95.1 | 95.8 | 97.2 | 98.4 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | |
| GE 100 | 13.6 | 86.2 | 88.9 | 92.3 | 95.1 | 95.8 | 97.2 | 98.4 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | |

TOTAL NUMBER OF OBSERVATIONS: 300

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 780096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: APR HOURS (LST): 1500-1700

| 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 0 | | |
| NO CEIL | 40.2 | 40.0 | 40.0 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | |
| GE 20000 | 48.6 | 48.6 | 48.7 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | |
| GE 14000 | 48.6 | 48.6 | 48.7 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | |
| GE 16000 | 48.6 | 48.6 | 48.7 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | |
| GE 14000 | 49.6 | 49.6 | 49.6 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | |
| GE 12000 | 51.2 | 51.9 | 51.0 | 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 | 51.2 | |
| GE 10000 | 52.4 | 52.4 | 52.6 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | |
| GE 9000 | 52.6 | 52.6 | 52.8 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | |
| GE 8000 | 57.6 | 56.6 | 57.1 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | |
| GE 7000 | 59.1 | 59.1 | 59.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | |
| GE 6000 | 59.1 | 59.1 | 59.7 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | |
| GE 5000 | 61.6 | 61.6 | 62.4 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | |
| GE 4000 | 64.7 | 64.7 | 65.4 | 66.0 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | |
| GE 4000 | 69.9 | 69.9 | 70.0 | 70.8 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | |
| GE 3500 | 74.3 | 74.3 | 75.4 | 76.6 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | |
| GE 3000 | 79.0 | 79.0 | 80.1 | 81.3 | 82.0 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | |
| GE 2500 | 82.9 | 82.9 | 82.0 | 83.4 | 84.4 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | |
| GE 2000 | 85.9 | 85.9 | 85.9 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | |
| GE 1500 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | |
| GE 1500 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | |
| GE 1000 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | |
| GE 1000 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | |
| GE 900 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | |
| GE 800 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | |
| GE 700 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | |
| GE 600 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | |
| GE 500 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | |
| GE 400 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | |
| GE 300 | 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 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | |
| GE 200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | |
| GE 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | |
| GE 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURTY OBSERVATIONS

STATION NUMBER: 724094 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 74-87
MONTH: APR HOURS: 1800-2000

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|
| | 1 | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/4 | 2 1/2 | 2 3/4 | 3 | 3 1/4 | 3 1/2 | 3 3/4 |
| NO CEIL | 3.4 | 45.6 | 45.6 | 45.6 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| 01 2000 | 9.6 | 53.2 | 53.2 | 53.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| 01 1800 | 9.6 | 53.6 | 53.6 | 53.6 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| 01 1600 | 9.6 | 53.6 | 53.6 | 53.6 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| 01 1400 | 9.6 | 53.6 | 53.6 | 53.6 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| 01 1200 | 9.6 | 54.6 | 54.6 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| 01 1000 | 9.6 | 55.7 | 55.7 | 55.7 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| 01 900 | 9.7 | 56.1 | 56.1 | 56.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| 01 800 | 10.0 | 60.2 | 60.2 | 60.2 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| 01 700 | 10.1 | 62.0 | 62.0 | 62.0 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| 01 600 | 10.1 | 63.3 | 63.3 | 63.3 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| 01 500 | 10.6 | 66.6 | 66.6 | 66.6 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| 01 450 | 10.7 | 70.0 | 70.0 | 70.0 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| 01 400 | 10.8 | 72.1 | 72.1 | 72.1 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| 01 350 | 11.4 | 75.6 | 75.6 | 75.6 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 01 300 | 11.6 | 78.7 | 78.7 | 78.7 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| 01 250 | 11.6 | 80.3 | 80.3 | 80.3 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| 01 200 | 11.6 | 80.3 | 80.3 | 80.3 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| 01 180 | 11.6 | 81.2 | 81.2 | 81.2 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 01 160 | 11.6 | 82.1 | 82.1 | 82.1 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| 01 140 | 11.6 | 82.2 | 82.2 | 82.2 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 01 120 | 11.6 | 83.6 | 83.6 | 83.6 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 01 100 | 11.6 | 83.6 | 83.6 | 83.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 01 90 | 11.6 | 83.6 | 83.6 | 83.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 01 80 | 11.6 | 83.6 | 83.6 | 83.6 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 01 70 | 11.6 | 83.6 | 83.6 | 83.6 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 01 60 | 11.6 | 83.6 | 83.6 | 83.6 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 01 50 | 11.6 | 83.6 | 83.6 | 83.6 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 01 40 | 11.6 | 83.6 | 83.6 | 83.6 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 01 30 | 11.6 | 83.6 | 83.6 | 83.6 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 01 20 | 11.6 | 83.6 | 83.6 | 83.6 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 01 10 | 11.6 | 83.6 | 83.6 | 83.6 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 01 0 | 11.6 | 83.6 | 83.6 | 83.6 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |

TOTAL NUMBER OF OBSERVATIONS: 910

NOAA CLIMATOLOGY BRANCH
 WSAF/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724095 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: APR HOURS(UT): 2100-2300

| CEILING IN FOOT | 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 CEILING | 7.7 | 49.4 | 53.7 | 50.9 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.2 | 51.2 | |
| 50 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 100 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 150 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 200 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 250 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 300 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 350 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 400 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 450 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 500 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 550 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 600 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 650 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 700 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 750 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 800 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 850 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 900 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 950 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1000 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1050 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1100 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1150 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1200 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1250 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1300 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1350 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1400 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1450 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1500 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1550 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1600 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1650 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1700 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1750 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1800 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1850 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1900 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 1950 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 2000 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 2050 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 2100 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 2150 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 2200 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 2250 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |
| 2300 | 8.7 | 54.9 | 56.1 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 |

TOTAL NUMBER OF OBSERVATIONS: 911

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: APR HOURS (LST): ALL

| 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 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 0 |
| NO CEIL | 6.9 | 44.3 | 45.1 | 45.4 | 45.6 | 45.7 | 45.7 | 45.8 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 46.0 |
| GF 2000 | 7.9 | 50.4 | 51.2 | 51.7 | 51.9 | 52.0 | 52.0 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.2 | 52.2 | 52.3 | 52.3 |
| GF 1800 | 8.0 | 50.6 | 51.5 | 51.9 | 52.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.4 | 52.5 |
| GF 1600 | 8.0 | 50.6 | 51.5 | 51.9 | 52.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.4 | 52.5 |
| GF 1400 | 8.0 | 50.9 | 51.9 | 52.2 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.7 | 52.8 |
| GF 1200 | 8.2 | 51.7 | 52.6 | 53.0 | 53.3 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.5 | 53.5 | 53.5 | 53.5 | 53.6 | 53.7 | |
| GF 1000 | 8.4 | 53.9 | 54.8 | 55.2 | 55.5 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.8 | 55.9 | 55.9 |
| GF 900 | 8.4 | 54.1 | 55.1 | 55.5 | 55.7 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 | 56.1 | 56.1 |
| GF 800 | 8.7 | 58.0 | 59.2 | 59.7 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.2 | 60.2 | 60.2 | 60.3 | 60.3 | 60.3 | 60.4 | 60.4 |
| GF 700 | 8.9 | 59.4 | 60.6 | 61.2 | 61.5 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.7 | 61.7 | 61.7 | 61.7 | 61.8 | 61.9 | 61.9 |
| GF 600 | 9.0 | 60.2 | 61.5 | 62.0 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.7 | 62.8 | 62.8 |
| GF 500 | 9.1 | 62.9 | 64.5 | 65.2 | 65.5 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 66.0 | 66.1 | 66.1 |
| GF 400 | 9.2 | 66.1 | 67.8 | 68.5 | 69.1 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.5 | 69.6 | 69.6 |
| GF 300 | 9.4 | 69.2 | 71.1 | 71.9 | 72.5 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 73.0 | 73.0 | 73.1 | 73.2 |
| GF 250 | 9.9 | 72.0 | 74.0 | 74.9 | 75.6 | 75.8 | 75.9 | 75.9 | 76.0 | 76.0 | 76.1 | 76.1 | 76.1 | 76.2 | 76.2 | 76.3 | 76.3 | 76.3 |
| GF 200 | 10.7 | 74.9 | 77.1 | 78.1 | 78.9 | 79.1 | 79.2 | 79.3 | 79.3 | 79.3 | 79.4 | 79.5 | 79.5 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 |
| GF 150 | 10.3 | 76.4 | 78.7 | 79.9 | 80.6 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.7 | 81.7 | 81.7 |
| GF 100 | 10.4 | 77.2 | 79.5 | 80.9 | 81.8 | 82.2 | 82.3 | 82.4 | 82.4 | 82.4 | 82.5 | 82.6 | 82.6 | 82.7 | 82.7 | 82.8 | 82.8 | 82.8 |
| GF 100 | 10.4 | 77.4 | 79.8 | 81.1 | 82.1 | 82.4 | 82.7 | 82.7 | 82.7 | 82.7 | 82.8 | 82.8 | 82.9 | 82.9 | 83.0 | 83.0 | 83.1 | 83.2 |
| GF 100 | 10.4 | 78.0 | 80.5 | 82.0 | 83.1 | 83.4 | 83.7 | 83.8 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.1 | 84.1 | 84.2 |
| GF 100 | 10.4 | 78.6 | 81.3 | 82.9 | 84.2 | 84.6 | 84.9 | 85.0 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.4 | 85.5 | 85.5 |
| GF 100 | 10.5 | 79.1 | 82.0 | 83.9 | 85.5 | 86.0 | 86.4 | 86.7 | 86.7 | 86.7 | 86.9 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.2 | 87.2 |
| GF 100 | 10.5 | 79.2 | 82.2 | 84.2 | 86.0 | 86.5 | 86.9 | 87.2 | 87.2 | 87.2 | 87.4 | 87.5 | 87.5 | 87.6 | 87.6 | 87.7 | 87.7 | 87.8 |
| GF 100 | 10.5 | 79.5 | 82.6 | 84.8 | 86.6 | 87.3 | 87.8 | 88.2 | 88.3 | 88.3 | 88.4 | 88.6 | 88.6 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 |
| GF 100 | 10.5 | 79.7 | 82.9 | 85.2 | 87.4 | 88.1 | 88.7 | 89.2 | 89.2 | 89.5 | 89.5 | 89.6 | 89.6 | 89.7 | 89.7 | 89.8 | 89.9 | 89.9 |
| GF 100 | 10.5 | 80.0 | 83.3 | 85.7 | 88.5 | 89.3 | 90.1 | 90.6 | 90.7 | 91.1 | 91.2 | 91.2 | 91.2 | 91.4 | 91.4 | 91.5 | 91.6 | 91.6 |
| GF 100 | 10.5 | 80.3 | 83.8 | 86.4 | 89.8 | 90.9 | 92.1 | 92.8 | 92.9 | 93.4 | 93.6 | 93.6 | 93.8 | 93.8 | 93.9 | 94.0 | 94.0 | 94.0 |
| GF 100 | 10.5 | 80.5 | 83.9 | 86.7 | 90.5 | 91.9 | 93.3 | 94.2 | 94.4 | 95.0 | 95.2 | 95.3 | 95.3 | 95.4 | 95.5 | 95.6 | 95.6 | 95.6 |
| GF 100 | 10.5 | 80.5 | 84.1 | 86.9 | 90.8 | 92.4 | 94.2 | 95.5 | 95.7 | 96.5 | 96.7 | 97.0 | 97.0 | 97.2 | 97.2 | 97.4 | 97.5 | 97.5 |
| GF 100 | 10.5 | 80.5 | 84.1 | 86.9 | 90.8 | 92.4 | 94.4 | 95.9 | 96.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 |
| GF 100 | 10.5 | 80.5 | 84.1 | 86.9 | 90.8 | 92.4 | 94.4 | 95.9 | 96.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 |
| GF 100 | 10.5 | 80.5 | 84.2 | 86.9 | 90.8 | 92.4 | 94.4 | 95.9 | 96.7 | 97.3 | 97.3 | 97.3 | 97.3 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 |

TOTAL NUMBER OF OBSERVATIONS: 7000

WINDS: METEOROLOGICAL SERVICE
 WINDS: METEOROLOGICAL SERVICE
 AIR WEATHER SERVICE/FAO

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGLIRE AFB ND

PERIOD OF RECORD: 78-87
 MONTH: MAY HOURS(IST): 0000-0200

| CEILING 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 | |
| 00-000 | 47.7 | 47.1 | 44.7 | 45.8 | 47.3 | 47.4 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.1 | 48.3 |
| 01-000 | 7.1 | 46.9 | 48.7 | 50.0 | 50.0 | 52.3 | 52.8 | 52.8 | 52.9 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.9 | 53.2 |
| 02-000 | 7.1 | 47.0 | 48.8 | 50.1 | 50.2 | 52.4 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 53.0 | 53.3 |
| 03-000 | 7.1 | 47.2 | 48.8 | 50.1 | 50.2 | 52.4 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 53.0 | 53.3 |
| 04-000 | 7.1 | 47.1 | 49.0 | 50.3 | 50.4 | 52.4 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.2 | 53.5 |
| 05-000 | 7.1 | 47.3 | 49.0 | 50.3 | 50.4 | 52.4 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.4 | 53.8 |
| 06-000 | 7.6 | 51.2 | 53.4 | 54.6 | 57.2 | 57.4 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.1 | 58.4 |
| 07-000 | 7.6 | 51.4 | 53.7 | 55.2 | 57.5 | 57.7 | 58.2 | 58.3 | 58.7 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.4 | 58.7 |
| 08-000 | 7.8 | 55.7 | 58.3 | 59.7 | 60.2 | 62.4 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 63.0 | 63.3 |
| 09-000 | 8.0 | 57.5 | 58.1 | 61.3 | 64.0 | 64.2 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.8 | 65.2 |
| 10-000 | 8.0 | 59.6 | 61.3 | 63.8 | 65.3 | 65.5 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.1 | 66.5 |
| 11-000 | 8.3 | 61.1 | 64.7 | 65.7 | 68.0 | 68.4 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.0 | 69.4 |
| 12-000 | 8.5 | 63.0 | 66.3 | 68.2 | 70.8 | 71.0 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.6 | 71.9 |
| 13-000 | 8.6 | 64.4 | 67.7 | 69.7 | 72.4 | 72.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.9 | 74.0 | 74.3 |
| 14-000 | 8.6 | 66.1 | 69.7 | 71.7 | 74.4 | 74.5 | 75.7 | 75.7 | 75.7 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 76.0 | 76.3 |
| 15-000 | 8.7 | 67.2 | 71.4 | 73.7 | 76.3 | 76.8 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.8 | 78.0 | 78.3 |
| 16-000 | 8.7 | 67.8 | 72.0 | 74.5 | 77.2 | 77.6 | 78.5 | 78.5 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.8 | 79.1 |
| 17-000 | 8.7 | 68.7 | 73.3 | 76.0 | 78.9 | 79.5 | 80.2 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.6 | 80.6 | 81.0 |
| 18-000 | 8.7 | 68.8 | 73.4 | 76.1 | 79.0 | 79.6 | 80.4 | 80.4 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.8 | 81.1 |
| 19-000 | 8.7 | 69.7 | 74.6 | 77.6 | 81.0 | 81.5 | 82.4 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.7 | 83.0 | |
| 20-000 | 8.7 | 70.2 | 75.0 | 78.2 | 81.6 | 82.3 | 83.0 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.5 | 83.9 |
| 21-000 | 8.7 | 71.2 | 76.3 | 79.5 | 82.9 | 83.7 | 84.7 | 84.7 | 84.7 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.1 | 85.4 |
| 22-000 | 8.7 | 71.2 | 76.5 | 79.7 | 83.1 | 83.9 | 84.9 | 84.9 | 84.9 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 | 85.6 |
| 23-000 | 8.7 | 71.4 | 76.7 | 80.0 | 83.5 | 84.4 | 85.7 | 85.7 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.0 | 86.3 |
| 24-000 | 8.7 | 71.6 | 77.1 | 80.6 | 84.3 | 85.3 | 86.6 | 86.7 | 86.7 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.3 |
| 25-000 | 8.7 | 72.2 | 78.0 | 81.8 | 85.9 | 87.1 | 88.4 | 88.5 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 | 89.1 |
| 26-000 | 8.7 | 72.5 | 78.5 | 82.2 | 86.8 | 88.2 | 89.7 | 89.9 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.5 |
| 27-000 | 8.7 | 72.6 | 78.6 | 82.0 | 87.6 | 89.2 | 91.3 | 91.5 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 92.0 | 92.2 | 92.6 |
| 28-000 | 8.7 | 72.7 | 78.9 | 82.9 | 88.2 | 89.8 | 92.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 94.0 | 94.1 | 94.6 |
| 29-000 | 8.7 | 72.7 | 78.9 | 83.1 | 89.6 | 90.5 | 93.5 | 94.5 | 94.5 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 95.2 |
| 30-000 | 8.7 | 72.7 | 78.9 | 83.1 | 89.6 | 90.5 | 93.5 | 94.5 | 94.5 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.4 |
| UN 11 | 8.7 | 73.7 | 79.9 | 83.1 | 83.6 | 84.5 | 93.5 | 94.8 | 94.9 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.8 |

TOTAL NUMBER OF OBSERVATIONS: 237

WIND CLIMATOLOGY BRANCH
 WASHINGTON
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 77495 STATION NAME: MCGUIRE AFB ND

PERIOD OF RECORD: 78-87
 MONTH: MAY HOURS (LST): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-----------|-----------|---------|-------------|-------------|-------------|---------|------|------|------|------|------|------|------|-------|
| | GE 1 | GF 1/2 | GF 3/4 | GF 1 | GF 1 1/4 | GF 1 1/2 | GF 1 3/4 | GF 2 | | | | | | | | |
| NO CELL | 5.2 | 55.8 | 47.6 | 41.5 | 43.7 | 43.5 | 44.1 | 44.7 | 44.7 | 45.1 | 45.4 | 45.4 | 45.4 | 45.4 | 45.5 | 45.5 |
| CE 2000 | 5.6 | 42.4 | 45.2 | 40.3 | 44.3 | 49.2 | 42.8 | 52.6 | 53.6 | 51.7 | 51.4 | 51.4 | 51.5 | 51.5 | 51.6 | 51.6 |
| CE 1800 | 5.6 | 42.6 | 45.4 | 40.5 | 44.5 | 49.2 | 42.7 | 52.9 | 53.9 | 51.2 | 51.6 | 51.6 | 51.7 | 51.7 | 51.8 | 51.8 |
| CE 1600 | 5.6 | 42.6 | 45.4 | 40.7 | 44.6 | 49.4 | 42.7 | 51.0 | 51.0 | 51.3 | 51.7 | 51.7 | 51.8 | 51.8 | 51.9 | 51.9 |
| CE 1400 | 5.6 | 43.1 | 46.7 | 47.3 | 49.2 | 51.0 | 57.9 | 51.6 | 51.6 | 51.9 | 57.4 | 52.4 | 52.5 | 52.5 | 52.6 | 52.6 |
| CE 1200 | 5.7 | 43.4 | 48.4 | 47.6 | 51.2 | 52.6 | 53.3 | 54.2 | 54.2 | 54.5 | 54.9 | 54.9 | 55.1 | 55.1 | 55.2 | 55.2 |
| CE 1000 | 5.7 | 43.8 | 49.2 | 51.4 | 52.2 | 53.5 | 54.3 | 55.2 | 55.3 | 55.6 | 56.2 | 56.2 | 56.1 | 56.1 | 56.2 | 56.2 |
| CE 800 | 5.8 | 47.2 | 53.4 | 55.3 | 57.7 | 58.5 | 59.2 | 63.1 | 63.2 | 60.5 | 61.0 | 61.0 | 61.1 | 61.1 | 61.2 | 61.2 |
| CE 700 | 5.8 | 51.6 | 54.8 | 56.7 | 57.1 | 59.9 | 67.8 | 61.6 | 61.7 | 62.0 | 67.5 | 62.5 | 62.6 | 62.6 | 62.7 | 62.7 |
| CE 600 | 5.8 | 51.1 | 55.3 | 57.3 | 59.4 | 61.5 | 61.4 | 62.3 | 62.4 | 62.7 | 67.1 | 63.1 | 63.2 | 63.2 | 63.3 | 63.3 |
| CE 500 | 6.7 | 53.2 | 58.0 | 61.5 | 63.1 | 63.9 | 64.8 | 65.9 | 66.7 | 66.3 | 64.3 | 66.9 | 66.9 | 66.9 | 67.0 | 67.0 |
| CE 400 | 6.1 | 55.8 | 67.5 | 63.3 | 65.1 | 66.9 | 63.7 | 67.0 | 69.1 | 69.5 | 69.9 | 69.9 | 71.7 | 70.0 | 70.1 | 70.1 |
| CE 300 | 6.2 | 57.4 | 62.5 | 65.2 | 68.1 | 68.9 | 72.2 | 71.3 | 71.4 | 71.7 | 77.7 | 72.2 | 72.3 | 72.3 | 72.4 | 72.4 |
| CE 200 | 6.7 | 54.8 | 63.9 | 66.6 | 69.9 | 70.8 | 72.1 | 73.2 | 73.3 | 73.7 | 74.1 | 74.1 | 74.2 | 74.2 | 74.3 | 74.3 |
| CE 100 | 6.3 | 53.1 | 64.2 | 67.4 | 70.8 | 71.6 | 72.9 | 74.1 | 74.2 | 74.5 | 74.9 | 74.9 | 75.1 | 75.1 | 75.2 | 75.2 |
| CE 2000 | 6.3 | 72.6 | 64.7 | 66.2 | 71.5 | 72.4 | 73.7 | 74.8 | 74.9 | 75.3 | 75.7 | 75.7 | 75.8 | 75.8 | 75.9 | 75.9 |
| CE 1800 | 6.3 | 61.2 | 65.5 | 69.4 | 72.6 | 73.7 | 75.1 | 75.2 | 76.3 | 76.7 | 77.1 | 77.1 | 77.2 | 77.2 | 77.3 | 77.3 |
| CE 1600 | 6.3 | 62.6 | 65.9 | 69.9 | 73.4 | 74.3 | 75.7 | 76.9 | 77.7 | 77.3 | 77.7 | 77.7 | 77.8 | 77.8 | 78.0 | 78.0 |
| CE 1400 | 6.3 | 61.6 | 67.4 | 71.6 | 75.4 | 76.2 | 77.7 | 75.9 | 79.7 | 79.4 | 76.9 | 79.6 | 79.9 | 79.9 | 80.0 | 80.0 |
| CE 1200 | 6.3 | 62.2 | 67.8 | 72.0 | 75.8 | 76.6 | 78.3 | 77.5 | 79.6 | 79.9 | 80.3 | 80.3 | 80.4 | 80.4 | 80.5 | 80.5 |
| CE 1000 | 6.3 | 62.5 | 64.9 | 70.5 | 76.3 | 77.4 | 77.2 | 83.4 | 80.6 | 81.0 | 81.4 | 81.4 | 81.5 | 81.5 | 81.6 | 81.6 |
| CE 800 | 6.3 | 62.6 | 68.6 | 72.8 | 76.6 | 77.6 | 79.5 | 83.9 | 81.1 | 81.4 | 81.9 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 |
| CE 700 | 6.3 | 63.1 | 67.5 | 73.7 | 77.5 | 78.9 | 81.1 | 82.6 | 82.8 | 83.1 | 83.5 | 83.5 | 83.7 | 83.7 | 83.8 | 83.8 |
| CE 600 | 6.3 | 63.2 | 69.7 | 74.1 | 78.1 | 79.5 | 81.5 | 83.1 | 83.3 | 83.8 | 84.2 | 84.2 | 84.3 | 84.3 | 84.5 | 84.5 |
| CE 500 | 6.3 | 63.5 | 70.4 | 75.1 | 79.7 | 80.9 | 83.1 | 84.6 | 84.8 | 85.1 | 85.7 | 85.7 | 85.8 | 85.8 | 86.0 | 86.0 |
| CE 400 | 6.3 | 64.1 | 71.2 | 76.0 | 80.5 | 82.4 | 84.7 | 86.2 | 86.5 | 86.9 | 87.3 | 87.3 | 87.4 | 87.4 | 87.6 | 87.6 |
| CE 300 | 6.3 | 64.1 | 71.2 | 76.3 | 81.3 | 83.3 | 85.4 | 87.4 | 87.7 | 88.2 | 88.6 | 88.6 | 88.7 | 88.7 | 88.9 | 88.9 |
| CE 200 | 6.3 | 64.2 | 71.4 | 76.5 | 81.3 | 83.9 | 87.4 | 89.1 | 89.5 | 90.0 | 90.4 | 90.6 | 91.7 | 91.2 | 91.4 | 91.7 |
| CE 100 | 6.3 | 64.2 | 71.4 | 76.5 | 82.4 | 84.4 | 89.2 | 91.0 | 91.3 | 91.9 | 97.1 | 93.4 | 93.9 | 94.2 | 94.8 | 95.6 |
| CE 100 | 6.3 | 64.2 | 71.5 | 76.9 | 82.5 | 84.6 | 88.6 | 91.6 | 91.9 | 92.7 | 97.9 | 94.2 | 95.2 | 95.6 | 96.7 | 98.7 |
| CE 100 | 6.3 | 64.2 | 71.5 | 76.9 | 82.5 | 84.6 | 88.6 | 91.6 | 91.9 | 92.7 | 97.9 | 94.2 | 95.2 | 95.6 | 96.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 500

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C.
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 74098 STATION NAME: MOORE AFB TX

PERIOD OF RECORD: 78-87
 MONTH: MAY HOURS (LST): 0600-0600

| CEILING FEET | GE 10' | GE 6' | GE 4' | GE 3' | GE 2' | GE 1 1/2' | VISIBILITY IN STATUTE MILES | | | | | | | | | | |
|-----------------|-----------|----------|----------|----------|----------|--------------|-----------------------------|--------------|----------|------------|------------|------------|-------------|------------|---------|------|------|
| | | | | | | | GE 1 1/2' | GE 1 1/4' | GE 1' | GE 3/4' | GE 5/8' | GE 1/2' | GE 3/16' | GE 1/4' | GE 0 | | |
| 5000 | 6.7 | 7.4 | 39.6 | 40.4 | 41.7 | 42.6 | 43.1 | 43.2 | 43.2 | 43.2 | 43.2 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| 4000 | 7.4 | 42.7 | 44.6 | 46.1 | 47.5 | 48.2 | 49.6 | 49.9 | 49.9 | 49.9 | 49.9 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| 3000 | 7.4 | 42.6 | 45.1 | 46.3 | 48.1 | 48.2 | 49.9 | 50.2 | 50.2 | 50.2 | 50.2 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| 2000 | 7.4 | 42.6 | 45.1 | 46.3 | 48.1 | 48.2 | 49.9 | 50.2 | 50.2 | 50.2 | 50.2 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| 1000 | 7.4 | 42.6 | 45.1 | 46.3 | 48.1 | 48.2 | 49.9 | 50.2 | 50.2 | 50.2 | 50.2 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| 500 | 6.6 | 44.8 | 47.7 | 48.2 | 50.1 | 51.1 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| 400 | 6.6 | 48.1 | 51.1 | 51.5 | 54.4 | 55.9 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| 300 | 6.6 | 48.4 | 51.1 | 51.5 | 54.4 | 55.9 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| 200 | 6.6 | 51.5 | 56.5 | 57.5 | 61.5 | 61.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| 100 | 6.6 | 54.4 | 57.5 | 60.2 | 62.5 | 63.5 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| 50 | 6.6 | 54.7 | 59.1 | 60.5 | 63.1 | 64.5 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| 40 | 6.6 | 56.5 | 60.1 | 62.5 | 65.4 | 67.2 | 67.5 | 68.4 | 68.4 | 68.4 | 68.4 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| 30 | 6.6 | 57.7 | 61.4 | 64.2 | 67.5 | 68.9 | 69.6 | 70.1 | 70.2 | 70.2 | 70.2 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| 20 | 6.6 | 58.6 | 62.4 | 65.2 | 68.8 | 70.3 | 71.5 | 71.7 | 71.7 | 71.7 | 71.7 | 72.1 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| 10 | 6.6 | 59.3 | 63.5 | 66.4 | 70.2 | 71.7 | 72.7 | 73.1 | 73.2 | 73.2 | 73.2 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| 5 | 6.6 | 60.3 | 64.4 | 67.4 | 71.7 | 73.2 | 74.2 | 74.6 | 74.7 | 74.7 | 74.7 | 75.0 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 4 | 6.6 | 61.5 | 65.4 | 68.7 | 72.4 | 74.0 | 74.9 | 75.2 | 75.2 | 75.2 | 75.2 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| 3 | 6.6 | 61.7 | 66.1 | 69.4 | 73.2 | 74.7 | 75.7 | 76.1 | 76.2 | 76.2 | 76.2 | 76.5 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| 2 | 6.6 | 61.8 | 66.3 | 69.5 | 73.3 | 74.8 | 75.8 | 76.2 | 76.2 | 76.2 | 76.2 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 1 | 6.6 | 61.9 | 67.1 | 70.6 | 74.4 | 75.9 | 76.9 | 77.3 | 77.4 | 77.4 | 77.4 | 77.7 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 0 | 6.6 | 62.1 | 67.5 | 71.4 | 75.2 | 76.7 | 77.7 | 78.1 | 78.3 | 78.3 | 78.3 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| 500 | 6.6 | 63.8 | 68.2 | 71.1 | 76.6 | 78.1 | 79.4 | 80.1 | 80.2 | 80.2 | 80.2 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| 400 | 6.6 | 64.5 | 69.2 | 72.2 | 77.7 | 79.2 | 80.7 | 81.5 | 81.6 | 81.6 | 81.6 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| 300 | 6.6 | 64.6 | 69.4 | 72.7 | 78.5 | 80.2 | 81.8 | 82.8 | 82.9 | 82.9 | 82.9 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| 200 | 6.6 | 64.7 | 69.6 | 73.3 | 79.2 | 81.3 | 83.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| 100 | 6.6 | 64.8 | 70.5 | 74.7 | 80.1 | 82.3 | 84.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| 50 | 6.6 | 64.9 | 71.5 | 75.3 | 81.2 | 83.6 | 85.7 | 86.4 | 86.5 | 86.5 | 86.5 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 40 | 6.6 | 65.1 | 72.7 | 76.5 | 81.9 | 84.0 | 87.1 | 87.9 | 87.7 | 87.7 | 87.7 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 30 | 6.6 | 65.1 | 73.0 | 76.8 | 82.7 | 85.9 | 88.5 | 91.4 | 91.5 | 91.5 | 91.5 | 92.2 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 20 | 6.6 | 65.1 | 73.4 | 77.2 | 83.7 | 87.2 | 90.7 | 91.7 | 91.4 | 91.3 | 91.3 | 92.9 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 10 | 6.6 | 65.1 | 73.8 | 78.2 | 84.9 | 88.7 | 92.7 | 91.7 | 91.8 | 91.3 | 91.3 | 94.9 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 0 | 6.6 | 65.1 | 74.5 | 78.2 | 85.9 | 85.9 | 88.7 | 93.7 | 91.4 | 91.3 | 91.3 | 94.9 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |

TOTAL NUMBER OF OBSERVATIONS: 924

FEDERAL CLIMATOLOGY BRANCH
 METEOROLOGICAL
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 754056 STATION NAME: MCQUIRE AFB TX

PERIOD OF RECORD: 75-87
 MONTH: MAY HOURS (LST): 0900-1100

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 1/2 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 40 | 44.1 | 44.2 | 44.5 | 44.1 | 44.3 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 45 | 48.1 | 48.2 | 48.1 | 48.1 | 48.2 | 48.4 | 48.4 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 |
| 50 | 48.2 | 48.2 | 48.1 | 48.1 | 48.3 | 48.5 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 |
| 55 | 48.4 | 48.4 | 48.3 | 48.3 | 48.5 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| 60 | 49.2 | 49.2 | 49.2 | 49.2 | 49.3 | 49.5 | 49.5 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| 65 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 52.0 | 52.0 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 70 | 54.2 | 54.2 | 54.1 | 54.1 | 54.2 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| 75 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| 80 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 85 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| 90 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| 95 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 100 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| 105 | 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 | 71.7 | 71.7 | 71.7 |
| 110 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| 115 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 120 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| 125 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| 130 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| 135 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| 140 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 145 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 150 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 155 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 160 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 165 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 170 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 175 | 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 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

LOCAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 70495 STATION NAME: MCODIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|-------|-------|------|-------|------|-----------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|
| | 1 | 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 | 8 1/2 | 9 | 9 1/2 | 10 | |
| 50 CEIL | 7.1 | 30.6 | 38.6 | 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 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| 50 0000 | 9.8 | 45.6 | 48.3 | 49.1 | 49.1 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| 50 1000 | 8.8 | 45.7 | 48.4 | 49.2 | 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 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| 50 1600 | 8.8 | 45.7 | 48.4 | 49.2 | 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 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| 50 2000 | 8.8 | 46.1 | 48.6 | 49.7 | 49.7 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 50 2400 | 9.8 | 46.9 | 49.6 | 50.6 | 50.6 | 50.6 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 |
| 50 2800 | 12.9 | 51.9 | 54.7 | 55.8 | 56.0 | 56.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| 50 3200 | 13.9 | 52.7 | 55.5 | 56.6 | 56.8 | 56.8 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| 50 3600 | 11.0 | 55.5 | 59.4 | 59.6 | 59.9 | 59.9 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| 50 4000 | 11.0 | 57.4 | 60.3 | 61.5 | 61.8 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| 50 4400 | 11.0 | 58.3 | 61.2 | 62.4 | 62.7 | 62.7 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| 50 4800 | 11.2 | 60.5 | 63.8 | 64.2 | 65.3 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| 50 5200 | 11.4 | 62.5 | 66.7 | 67.2 | 67.5 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| 50 5600 | 11.9 | 64.6 | 68.6 | 69.5 | 70.1 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| 50 6000 | 12.4 | 67.9 | 73.7 | 75.1 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| 50 6400 | 14.0 | 75.1 | 78.8 | 80.4 | 80.8 | 80.8 | 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 | 80.9 | 80.9 | 80.9 |
| 50 6800 | 14.0 | 77.6 | 81.6 | 83.2 | 83.8 | 83.8 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| 50 7200 | 14.0 | 78.2 | 83.9 | 85.5 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 50 7600 | 14.0 | 79.7 | 84.4 | 86.3 | 87.2 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 50 8000 | 14.0 | 80.8 | 85.7 | 87.7 | 88.2 | 88.2 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| 50 8400 | 14.0 | 81.4 | 87.2 | 89.6 | 91.5 | 91.7 | 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 | 92.0 | 92.0 | 92.0 |
| 50 8800 | 14.0 | 81.6 | 87.2 | 90.2 | 92.5 | 92.6 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| 50 9200 | 14.0 | 81.7 | 87.4 | 93.7 | 93.3 | 93.7 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| 50 9600 | 14.0 | 81.7 | 87.5 | 91.4 | 94.2 | 94.5 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| 50 10000 | 14.0 | 81.9 | 87.8 | 92.0 | 95.2 | 95.5 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 50 10400 | 14.0 | 82.2 | 88.3 | 92.5 | 95.7 | 96.5 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 50 10800 | 14.0 | 82.2 | 88.4 | 92.6 | 96.1 | 96.6 | 98.0 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 50 11200 | 14.0 | 82.2 | 88.4 | 92.6 | 96.2 | 96.8 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 50 11600 | 14.0 | 82.2 | 88.4 | 92.6 | 96.2 | 96.8 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 50 12000 | 14.0 | 82.2 | 88.4 | 92.6 | 96.2 | 96.8 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |

TOTAL NUMBER OF OBSERVATIONS: 73

AD-A188 317

MCQUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. DEC 87
USAFETAC/DS-87/882

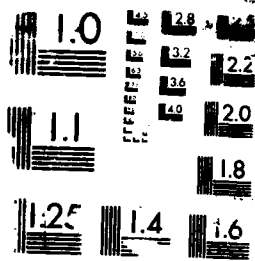
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UNCLASSIFIED

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NL





U.S. BUREAU OF STANDARDS
RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: MAY 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 | 7.0 | 39.2 | 41.0 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| GE 2000 | 9.7 | 48.7 | 57.9 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| GE 1800 | 9.7 | 49.0 | 51.2 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| GE 1600 | 8.7 | 49.0 | 51.2 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| GE 1400 | 8.7 | 49.4 | 51.5 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| GE 1200 | 8.9 | 49.8 | 51.9 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| GE 1000 | 9.6 | 53.5 | 55.8 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| GE 900 | 9.7 | 54.5 | 56.3 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| GE 800 | 10.4 | 58.7 | 61.3 | 62.7 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| GE 700 | 10.8 | 60.8 | 63.4 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GE 600 | 10.8 | 61.2 | 64.1 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 500 | 11.0 | 64.2 | 67.1 | 68.5 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| GE 450 | 11.2 | 66.6 | 69.6 | 71.2 | 71.4 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| GE 400 | 11.6 | 69.8 | 72.8 | 74.4 | 74.8 | 74.9 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 350 | 12.9 | 74.4 | 77.5 | 79.1 | 79.6 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 300 | 13.3 | 78.8 | 82.3 | 84.4 | 84.8 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 250 | 13.3 | 80.9 | 84.4 | 86.6 | 87.2 | 87.3 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE 200 | 13.4 | 82.4 | 86.0 | 88.4 | 89.0 | 89.1 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 180 | 13.4 | 82.6 | 86.2 | 88.7 | 89.4 | 89.5 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 150 | 13.4 | 83.1 | 86.8 | 89.4 | 90.4 | 90.8 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 120 | 13.4 | 83.4 | 87.1 | 90.1 | 91.5 | 91.8 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 100 | 13.4 | 83.5 | 87.3 | 90.5 | 92.3 | 92.8 | 93.4 | 93.5 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.9 |
| GE 90 | 13.4 | 83.7 | 87.6 | 91.1 | 92.6 | 93.3 | 94.0 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 |
| GE 80 | 13.4 | 84.1 | 88.3 | 91.7 | 93.4 | 94.0 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 95.1 | 95.1 | 95.2 | 95.2 |
| GE 70 | 13.4 | 84.4 | 88.7 | 92.5 | 94.2 | 94.7 | 95.6 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 96.0 | 96.0 |
| GE 60 | 13.4 | 84.4 | 88.7 | 92.5 | 94.3 | 94.8 | 95.9 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.5 | 96.5 | 96.6 | 96.6 |
| GE 50 | 13.4 | 84.4 | 88.8 | 92.7 | 94.4 | 95.6 | 96.9 | 97.2 | 97.7 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 |
| GE 40 | 13.4 | 84.4 | 88.8 | 92.7 | 95.3 | 95.9 | 97.2 | 97.7 | 97.7 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 |
| GE 30 | 13.4 | 84.4 | 88.8 | 92.3 | 95.3 | 95.9 | 97.2 | 98.5 | 98.5 | 99.1 | 99.1 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 |
| GE 20 | 13.4 | 84.4 | 88.8 | 92.8 | 95.4 | 96.0 | 97.3 | 98.7 | 98.7 | 99.4 | 99.4 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 |
| GE 10 | 13.4 | 84.4 | 88.8 | 92.8 | 95.4 | 96.0 | 97.3 | 98.7 | 98.7 | 99.4 | 99.4 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72409E STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1800-2300

| 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 | 9.1 | 44.0 | 45.8 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| GE 2000 | 7.8 | 52.7 | 54.6 | 54.9 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| GE 1800 | 9.8 | 52.9 | 54.8 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| GE 1600 | 9.8 | 52.9 | 54.8 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| GE 1400 | 9.9 | 53.0 | 55.1 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| GE 1200 | 10.1 | 54.4 | 56.5 | 57.1 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| GE 1000 | 10.8 | 57.8 | 60.0 | 60.6 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| GE 900 | 10.9 | 55.7 | 61.1 | 61.8 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 800 | 11.3 | 62.6 | 64.9 | 65.7 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| GE 700 | 11.9 | 64.8 | 67.6 | 68.4 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| GE 600 | 11.9 | 65.4 | 68.2 | 68.9 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 500 | 12.2 | 59.3 | 71.1 | 71.9 | 72.8 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 450 | 12.2 | 70.3 | 73.1 | 74.7 | 75.7 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 400 | 12.5 | 73.1 | 76.5 | 77.3 | 79.5 | 79.7 | 79.8 | 79.8 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| GE 350 | 12.8 | 75.4 | 79.1 | 81.2 | 82.6 | 82.8 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 300 | 12.9 | 77.4 | 81.2 | 83.5 | 85.2 | 85.4 | 85.6 | 85.6 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 250 | 12.9 | 79.1 | 83.0 | 85.3 | 87.0 | 87.2 | 87.5 | 87.6 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 200 | 12.9 | 79.6 | 83.5 | 85.9 | 87.8 | 88.2 | 88.5 | 88.7 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 150 | 12.9 | 79.6 | 83.5 | 85.9 | 87.8 | 88.2 | 88.5 | 88.7 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 100 | 12.9 | 80.0 | 84.1 | 86.6 | 88.6 | 89.0 | 89.5 | 89.7 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 75 | 12.9 | 80.3 | 84.7 | 87.2 | 89.5 | 89.9 | 90.3 | 90.5 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 50 | 12.9 | 80.5 | 85.2 | 87.6 | 90.2 | 90.6 | 91.1 | 91.3 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 25 | 12.9 | 80.5 | 85.2 | 87.7 | 90.5 | 91.0 | 91.4 | 91.6 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 10 | 12.9 | 81.0 | 85.6 | 88.2 | 91.3 | 91.7 | 92.3 | 92.5 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| GE 5 | 12.9 | 81.2 | 85.8 | 88.6 | 91.9 | 92.6 | 93.2 | 93.4 | 93.5 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 0 | 12.9 | 81.2 | 85.9 | 88.7 | 92.3 | 93.0 | 93.9 | 94.1 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 500 | 12.9 | 91.5 | 86.3 | 89.1 | 93.1 | 94.3 | 95.6 | 96.1 | 96.2 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 400 | 12.9 | 91.5 | 86.3 | 89.1 | 93.1 | 94.3 | 95.7 | 96.2 | 96.6 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 300 | 12.9 | 91.5 | 86.3 | 89.2 | 93.3 | 94.8 | 96.6 | 97.2 | 97.9 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 200 | 12.9 | 91.5 | 86.3 | 89.4 | 93.5 | 95.1 | 96.8 | 97.4 | 98.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 100 | 12.9 | 91.5 | 86.3 | 89.4 | 93.5 | 95.1 | 96.8 | 97.4 | 98.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 0 | 12.9 | 91.5 | 86.3 | 89.4 | 93.5 | 95.1 | 96.8 | 97.4 | 98.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS: 937

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: MAY 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 | 7.3 | 46.5 | 47.7 | 46.6 | 46.9 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| GE 2000 | 7.8 | 51.1 | 52.7 | 54.2 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| GE 1800 | 7.8 | 51.4 | 53.0 | 54.5 | 55.4 | 55.4 | 55.5 | 55.5 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 1600 | 7.8 | 51.4 | 53.0 | 54.5 | 55.4 | 55.4 | 55.5 | 55.5 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 1400 | 7.8 | 51.7 | 53.3 | 54.8 | 55.7 | 55.7 | 55.8 | 55.8 | 55.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| GE 1200 | 8.1 | 52.3 | 53.9 | 55.4 | 56.7 | 56.7 | 56.8 | 56.8 | 56.8 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| GE 1000 | 8.5 | 55.9 | 57.6 | 59.2 | 60.5 | 60.5 | 60.6 | 60.6 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 900 | 8.5 | 56.0 | 57.7 | 59.4 | 60.8 | 60.8 | 60.9 | 60.9 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| GE 800 | 8.9 | 60.4 | 62.2 | 63.8 | 65.3 | 65.3 | 65.4 | 65.4 | 65.4 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| GE 700 | 9.2 | 61.9 | 63.7 | 65.3 | 66.8 | 66.8 | 66.9 | 66.9 | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 600 | 9.2 | 62.6 | 64.3 | 65.9 | 67.4 | 67.4 | 67.5 | 67.5 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| GE 500 | 9.5 | 65.1 | 66.8 | 68.4 | 69.9 | 69.9 | 70.0 | 70.0 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| GE 450 | 9.6 | 66.9 | 68.6 | 70.2 | 72.4 | 72.4 | 72.5 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 400 | 9.7 | 68.9 | 71.1 | 73.1 | 74.8 | 75.2 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 350 | 9.8 | 72.5 | 74.6 | 76.9 | 78.7 | 79.0 | 79.5 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 300 | 9.8 | 73.3 | 75.9 | 78.1 | 80.1 | 80.5 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 250 | 9.9 | 75.3 | 78.0 | 80.4 | 82.5 | 82.9 | 83.3 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 200 | 9.9 | 76.0 | 78.8 | 81.4 | 83.5 | 84.0 | 84.4 | 84.4 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 150 | 9.9 | 76.0 | 78.8 | 81.4 | 83.5 | 84.0 | 84.4 | 84.4 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 100 | 9.9 | 76.5 | 79.4 | 82.0 | 84.2 | 84.6 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 50 | 9.9 | 77.0 | 79.9 | 82.6 | 84.8 | 85.3 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 1700 | 9.9 | 77.1 | 80.2 | 83.3 | 85.9 | 86.3 | 87.1 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 1600 | 9.9 | 77.2 | 80.5 | 83.7 | 86.5 | 86.9 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 1500 | 9.9 | 77.2 | 80.5 | 83.8 | 86.7 | 87.2 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 1400 | 9.9 | 77.5 | 81.0 | 84.5 | 87.5 | 88.2 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 1300 | 9.9 | 78.2 | 81.7 | 85.4 | 88.9 | 89.6 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 1200 | 9.9 | 78.4 | 82.3 | 86.1 | 89.7 | 90.5 | 92.4 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 1100 | 9.9 | 78.7 | 82.6 | 86.5 | 90.3 | 91.3 | 93.2 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 1000 | 9.9 | 78.7 | 82.6 | 86.3 | 90.8 | 92.0 | 94.2 | 94.6 | 94.6 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 900 | 9.9 | 78.7 | 82.6 | 86.3 | 90.9 | 92.4 | 95.2 | 96.3 | 96.3 | 96.9 | 97.2 | 97.5 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 800 | 9.9 | 78.7 | 82.6 | 86.5 | 90.9 | 92.4 | 95.2 | 96.3 | 96.3 | 97.0 | 97.4 | 97.8 | 98.5 | 98.9 | 99.4 | 99.6 |
| GE 700 | 9.9 | 78.7 | 82.6 | 86.3 | 90.9 | 92.4 | 95.2 | 96.3 | 96.3 | 97.1 | 97.5 | 98.0 | 98.6 | 99.0 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AJP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(IST): ALL

| 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 | GE 0 |
| NO CEIL | 7.0 | 41.0 | 42.6 | 43.4 | 44.0 | 44.2 | 44.5 | 44.5 | 44.5 | 44.5 | 44.6 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| UF 20000 | 8.1 | 47.3 | 49.4 | 50.5 | 51.4 | 51.7 | 52.0 | 52.1 | 52.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 |
| CF 18000 | 8.1 | 47.5 | 49.6 | 50.7 | 51.6 | 51.9 | 52.2 | 52.3 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 |
| CF 16000 | 8.1 | 47.5 | 49.6 | 50.7 | 51.6 | 51.9 | 52.2 | 52.3 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 |
| GE 14000 | 8.1 | 47.7 | 49.9 | 51.0 | 51.9 | 52.1 | 52.4 | 52.6 | 52.6 | 52.6 | 52.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.8 |
| GE 12000 | 8.3 | 48.5 | 50.7 | 51.8 | 52.8 | 53.1 | 53.4 | 53.5 | 53.5 | 53.6 | 53.6 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| GE 10000 | 9.0 | 52.2 | 54.6 | 56.2 | 57.1 | 57.4 | 57.7 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 58.0 | 58.0 | 58.0 | 58.1 | 58.1 |
| GE 9000 | 9.1 | 52.7 | 55.2 | 56.7 | 57.9 | 58.2 | 58.5 | 58.6 | 58.6 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.9 |
| GE 8000 | 9.4 | 56.7 | 59.5 | 61.1 | 62.4 | 62.8 | 63.1 | 63.2 | 63.2 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.5 |
| GE 7000 | 9.7 | 59.3 | 61.2 | 62.8 | 64.2 | 64.5 | 64.8 | 65.0 | 65.0 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.3 |
| GE 6000 | 9.7 | 58.9 | 61.8 | 63.5 | 64.9 | 65.2 | 65.5 | 65.7 | 65.7 | 65.8 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| GE 5000 | 9.9 | 61.2 | 64.2 | 66.1 | 67.6 | 68.0 | 68.3 | 68.5 | 68.5 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.8 |
| GE 4500 | 10.0 | 63.0 | 66.2 | 68.3 | 69.9 | 70.3 | 70.7 | 70.8 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 4000 | 10.2 | 64.9 | 68.4 | 70.5 | 72.2 | 72.7 | 73.2 | 73.4 | 73.4 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.8 |
| GE 3500 | 10.7 | 67.7 | 71.3 | 73.5 | 75.4 | 75.9 | 76.4 | 76.7 | 76.7 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 77.0 | 77.0 |
| GE 3000 | 10.9 | 69.9 | 73.8 | 76.3 | 78.3 | 78.6 | 79.3 | 79.5 | 79.6 | 79.7 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.9 |
| GE 2500 | 10.9 | 71.3 | 75.3 | 77.9 | 80.0 | 80.5 | 81.0 | 81.3 | 81.3 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 2000 | 10.9 | 72.3 | 76.4 | 79.3 | 81.4 | 82.0 | 82.6 | 82.8 | 82.9 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.2 |
| CF 1800 | 10.9 | 72.5 | 76.7 | 79.6 | 81.8 | 82.3 | 82.9 | 83.2 | 83.2 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.6 |
| CF 1600 | 11.0 | 73.3 | 77.7 | 80.8 | 83.3 | 83.8 | 84.5 | 84.7 | 84.8 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 |
| CF 1400 | 11.0 | 73.9 | 78.4 | 81.7 | 84.3 | 85.0 | 85.7 | 86.0 | 86.0 | 86.1 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| CF 1200 | 11.0 | 74.3 | 79.2 | 82.5 | 85.5 | 86.2 | 87.1 | 87.4 | 87.4 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.8 |
| CF 1000 | 11.0 | 74.5 | 79.3 | 82.9 | 86.1 | 86.8 | 87.8 | 88.1 | 88.2 | 88.3 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| CF 800 | 11.0 | 74.7 | 79.7 | 83.5 | 86.8 | 87.7 | 88.8 | 89.1 | 89.2 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 |
| CF 700 | 11.0 | 74.9 | 80.0 | 84.1 | 87.6 | 88.5 | 89.8 | 90.2 | 90.3 | 90.4 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.7 | 90.7 |
| CF 600 | 11.0 | 75.2 | 80.4 | 84.6 | 88.5 | 89.5 | 90.9 | 91.4 | 91.5 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 |
| CF 500 | 11.0 | 75.4 | 80.9 | 85.1 | 89.3 | 90.6 | 92.3 | 93.1 | 93.1 | 93.3 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 |
| CF 400 | 11.0 | 75.4 | 80.9 | 85.1 | 89.3 | 90.6 | 92.3 | 93.1 | 93.1 | 93.3 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 |
| CF 300 | 11.0 | 75.5 | 81.0 | 85.5 | 90.2 | 91.8 | 94.0 | 95.4 | 95.4 | 95.6 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 |
| CF 200 | 11.0 | 75.5 | 81.0 | 85.5 | 90.2 | 91.8 | 94.0 | 95.4 | 95.4 | 95.6 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 |
| CF 100 | 11.0 | 75.5 | 81.0 | 85.5 | 90.2 | 91.8 | 94.0 | 95.4 | 95.4 | 95.6 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 |
| GE 0 | 11.0 | 75.5 | 81.0 | 85.5 | 90.2 | 91.8 | 94.0 | 95.4 | 95.4 | 95.6 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 |

TOTAL NUMBER OF OBSERVATIONS: 7459

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 78-87
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 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 | 6.9 | 47.9 | 51.7 | 53.7 | 55.3 | 55.8 | 56.2 | 56.2 | 56.2 | 56.3 | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.9 | |
| GE 20000 | 6.9 | 52.2 | 57.2 | 59.8 | 61.7 | 62.1 | 63.7 | 62.7 | 62.7 | 62.8 | 67.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.3 | |
| GE 18000 | 6.9 | 52.3 | 57.3 | 59.9 | 61.8 | 62.3 | 67.9 | 62.9 | 62.9 | 63.0 | 67.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.6 | |
| GE 16000 | 6.9 | 52.3 | 57.3 | 59.9 | 61.8 | 62.3 | 62.9 | 62.9 | 62.9 | 63.0 | 67.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.6 | |
| GE 14000 | 6.9 | 52.7 | 57.7 | 60.2 | 62.1 | 62.7 | 63.2 | 63.2 | 63.2 | 63.3 | 63.6 | 63.7 | 63.7 | 63.7 | 63.7 | 63.9 | |
| GE 12000 | 6.9 | 53.0 | 58.1 | 61.2 | 63.2 | 63.8 | 64.3 | 64.3 | 64.3 | 64.3 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 65.0 | |
| GE 10000 | 7.0 | 56.0 | 61.8 | 64.9 | 67.0 | 67.6 | 68.1 | 68.1 | 68.1 | 68.3 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.9 | |
| GE 9000 | 7.0 | 56.4 | 62.2 | 65.3 | 67.4 | 68.0 | 68.7 | 68.7 | 68.7 | 68.9 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.4 | |
| GE 8000 | 7.0 | 58.2 | 64.4 | 67.9 | 70.1 | 70.6 | 71.4 | 71.4 | 71.4 | 71.7 | 71.9 | 72.1 | 72.3 | 72.3 | 72.3 | 72.6 | |
| GE 7000 | 7.0 | 58.7 | 64.9 | 68.3 | 70.6 | 71.3 | 72.0 | 72.0 | 72.0 | 72.2 | 72.4 | 72.7 | 72.9 | 72.9 | 72.9 | 73.1 | |
| GE 6000 | 7.0 | 59.1 | 65.4 | 68.9 | 71.1 | 72.1 | 72.8 | 72.8 | 72.8 | 73.0 | 73.2 | 73.4 | 73.7 | 73.7 | 73.7 | 73.9 | |
| GE 5000 | 7.1 | 61.3 | 67.8 | 71.6 | 73.9 | 74.9 | 75.6 | 75.6 | 75.6 | 75.8 | 76.7 | 76.2 | 76.4 | 76.4 | 76.4 | 76.7 | |
| GE 4500 | 7.4 | 63.6 | 70.3 | 74.1 | 76.6 | 77.6 | 78.2 | 78.2 | 78.2 | 78.4 | 78.7 | 78.9 | 79.1 | 79.1 | 79.1 | 79.3 | |
| GE 4000 | 7.9 | 65.3 | 72.8 | 76.7 | 79.1 | 80.1 | 80.8 | 80.8 | 80.8 | 81.0 | 81.2 | 81.4 | 81.7 | 81.7 | 81.7 | 81.9 | |
| GE 3500 | 7.9 | 66.2 | 74.0 | 77.9 | 80.6 | 81.6 | 82.4 | 82.4 | 82.4 | 82.7 | 82.9 | 83.1 | 83.3 | 83.3 | 83.3 | 83.6 | |
| GE 3000 | 7.9 | 66.9 | 75.2 | 79.4 | 82.9 | 83.9 | 84.6 | 84.6 | 84.6 | 85.0 | 85.2 | 85.4 | 85.7 | 85.7 | 85.9 | 85.9 | |
| GE 2500 | 7.9 | 67.2 | 75.7 | 79.9 | 83.3 | 84.3 | 85.2 | 85.2 | 85.2 | 85.4 | 85.7 | 85.9 | 86.1 | 86.1 | 86.1 | 86.3 | |
| GE 2000 | 7.9 | 67.6 | 76.1 | 80.3 | 83.8 | 84.8 | 85.7 | 85.8 | 85.8 | 86.0 | 86.2 | 86.4 | 86.7 | 86.7 | 86.7 | 86.9 | |
| GE 1800 | 7.9 | 67.7 | 76.2 | 80.4 | 83.9 | 84.9 | 85.8 | 85.9 | 85.9 | 86.1 | 86.3 | 86.6 | 86.8 | 86.8 | 86.8 | 87.0 | |
| GE 1500 | 7.9 | 67.9 | 76.6 | 81.0 | 84.4 | 85.4 | 86.3 | 86.4 | 86.4 | 86.7 | 86.9 | 87.1 | 87.3 | 87.3 | 87.3 | 87.6 | |
| GE 1200 | 7.9 | 68.1 | 76.8 | 81.3 | 84.8 | 85.8 | 86.8 | 86.9 | 86.9 | 87.1 | 87.3 | 87.6 | 87.8 | 87.8 | 87.8 | 88.0 | |
| GE 1000 | 7.9 | 68.3 | 77.0 | 81.6 | 85.6 | 86.6 | 87.6 | 87.7 | 87.7 | 87.9 | 88.1 | 88.3 | 88.6 | 88.6 | 88.6 | 88.8 | |
| GE 900 | 7.9 | 68.3 | 77.0 | 81.6 | 85.7 | 86.7 | 87.7 | 87.7 | 87.7 | 88.0 | 88.2 | 88.4 | 88.7 | 88.7 | 88.7 | 88.9 | |
| GE 800 | 7.9 | 68.4 | 77.1 | 81.9 | 85.8 | 86.9 | 87.9 | 88.0 | 88.0 | 88.2 | 88.4 | 88.7 | 88.9 | 88.9 | 88.9 | 89.1 | |
| GE 700 | 7.9 | 68.9 | 77.8 | 82.6 | 86.4 | 87.6 | 88.6 | 88.7 | 88.7 | 88.9 | 89.1 | 89.3 | 89.6 | 89.6 | 89.6 | 89.8 | |
| GE 600 | 7.9 | 69.1 | 78.0 | 82.8 | 86.7 | 87.8 | 88.8 | 89.1 | 89.1 | 89.3 | 89.6 | 89.8 | 90.0 | 90.0 | 90.0 | 90.2 | |
| GE 500 | 7.9 | 69.1 | 78.1 | 83.1 | 87.1 | 88.2 | 89.4 | 89.8 | 89.8 | 90.0 | 90.2 | 90.4 | 90.7 | 90.8 | 90.8 | 91.0 | |
| GE 400 | 7.9 | 69.1 | 78.1 | 83.4 | 87.4 | 88.6 | 89.8 | 90.4 | 90.4 | 90.7 | 91.0 | 91.2 | 91.4 | 91.7 | 91.7 | 91.9 | |
| GE 300 | 7.9 | 69.1 | 78.1 | 83.6 | 87.7 | 88.8 | 90.7 | 91.7 | 91.7 | 92.0 | 92.3 | 92.6 | 92.9 | 93.2 | 93.2 | 93.6 | |
| GE 200 | 7.9 | 69.1 | 78.1 | 83.8 | 88.4 | 89.9 | 92.7 | 94.0 | 94.0 | 94.6 | 95.4 | 95.7 | 96.3 | 96.7 | 96.7 | 97.3 | |
| GE 100 | 7.9 | 69.1 | 78.1 | 83.8 | 88.4 | 89.9 | 92.8 | 94.2 | 94.2 | 94.9 | 96.0 | 96.4 | 97.1 | 97.9 | 98.2 | 99.3 | |
| GE 0 | 7.9 | 69.1 | 78.1 | 83.8 | 88.4 | 89.9 | 92.8 | 94.2 | 94.2 | 94.9 | 96.0 | 96.4 | 97.1 | 97.9 | 98.2 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 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 | 5.2 | 38.1 | 41.8 | 45.9 | 48.8 | 50.1 | 51.1 | 51.4 | 51.7 | 51.7 | 51.7 | 52.0 | 52.4 | 52.4 | 52.4 | 52.6 |
| GE 20000 | 5.3 | 41.7 | 46.4 | 51.4 | 54.6 | 56.1 | 57.4 | 58.2 | 58.4 | 58.6 | 58.6 | 58.9 | 59.3 | 59.3 | 59.3 | 59.4 |
| GE 18000 | 5.3 | 41.7 | 46.4 | 51.4 | 54.6 | 56.1 | 57.4 | 58.2 | 58.4 | 58.6 | 58.6 | 58.9 | 59.3 | 59.3 | 59.3 | 59.4 |
| GE 16000 | 5.3 | 41.7 | 46.4 | 51.4 | 54.6 | 56.1 | 57.4 | 58.2 | 58.4 | 58.6 | 58.6 | 58.9 | 59.3 | 59.3 | 59.3 | 59.4 |
| GE 14000 | 5.3 | 42.0 | 46.8 | 51.8 | 54.9 | 56.4 | 57.8 | 58.6 | 58.8 | 58.9 | 59.9 | 59.2 | 59.7 | 59.7 | 59.7 | 59.8 |
| GE 12000 | 5.3 | 43.0 | 48.1 | 53.4 | 56.7 | 58.2 | 59.6 | 60.3 | 60.6 | 60.7 | 60.7 | 61.0 | 61.4 | 61.4 | 61.4 | 61.6 |
| GE 10000 | 5.4 | 45.3 | 51.8 | 56.4 | 59.9 | 61.6 | 63.0 | 63.8 | 64.7 | 64.1 | 64.1 | 64.4 | 64.9 | 64.9 | 64.9 | 65.0 |
| GE 9000 | 5.4 | 45.6 | 51.1 | 56.8 | 60.2 | 61.9 | 63.3 | 64.1 | 64.3 | 64.4 | 64.4 | 64.8 | 65.2 | 65.2 | 65.2 | 65.3 |
| GE 8000 | 5.6 | 48.2 | 54.3 | 60.2 | 64.3 | 65.9 | 67.3 | 68.1 | 68.3 | 68.7 | 69.9 | 69.3 | 69.8 | 69.8 | 69.8 | 69.9 |
| GE 7000 | 5.8 | 48.8 | 54.9 | 60.8 | 64.6 | 66.6 | 68.1 | 68.9 | 69.1 | 69.4 | 69.7 | 70.1 | 70.6 | 70.6 | 70.6 | 70.7 |
| GE 6000 | 5.8 | 49.2 | 55.3 | 61.5 | 65.1 | 67.1 | 68.7 | 69.4 | 69.7 | 70.0 | 70.2 | 70.7 | 71.1 | 71.1 | 71.1 | 71.2 |
| GE 5000 | 6.1 | 52.2 | 58.4 | 64.4 | 68.4 | 70.4 | 72.1 | 72.9 | 73.1 | 73.4 | 73.7 | 74.1 | 74.6 | 74.6 | 74.6 | 74.7 |
| GE 4500 | 6.3 | 54.0 | 60.9 | 66.9 | 70.9 | 72.9 | 74.6 | 75.6 | 75.8 | 76.1 | 76.3 | 76.8 | 77.2 | 77.2 | 77.2 | 77.3 |
| GE 4000 | 6.4 | 55.0 | 62.7 | 69.0 | 73.0 | 75.1 | 76.6 | 77.6 | 78.0 | 78.3 | 78.6 | 79.0 | 79.4 | 79.4 | 79.4 | 79.6 |
| GE 3500 | 6.4 | 55.9 | 63.6 | 69.9 | 74.2 | 76.3 | 78.1 | 79.1 | 79.4 | 79.8 | 80.0 | 80.4 | 80.9 | 80.9 | 80.9 | 81.0 |
| GE 3000 | 6.6 | 56.7 | 64.6 | 71.1 | 75.7 | 77.9 | 79.7 | 80.7 | 81.1 | 81.4 | 81.7 | 82.1 | 82.6 | 82.6 | 82.6 | 82.7 |
| GE 2500 | 6.6 | 56.9 | 64.8 | 71.4 | 76.1 | 78.4 | 80.3 | 81.3 | 81.8 | 82.1 | 82.3 | 82.8 | 83.2 | 83.2 | 83.2 | 83.3 |
| GE 2000 | 6.6 | 57.0 | 65.0 | 71.7 | 76.4 | 78.8 | 80.7 | 81.7 | 82.1 | 82.4 | 82.7 | 83.1 | 83.6 | 83.6 | 83.6 | 83.7 |
| GE 1800 | 6.6 | 57.0 | 65.0 | 71.7 | 76.6 | 78.9 | 80.8 | 81.8 | 82.2 | 82.6 | 82.8 | 83.2 | 83.7 | 83.7 | 83.7 | 83.8 |
| GE 1600 | 6.6 | 57.1 | 65.1 | 71.9 | 77.1 | 79.4 | 81.3 | 82.3 | 82.8 | 83.1 | 83.3 | 83.8 | 84.2 | 84.2 | 84.2 | 84.3 |
| GE 1400 | 6.6 | 57.3 | 65.3 | 72.2 | 77.4 | 79.6 | 81.6 | 82.6 | 83.2 | 83.6 | 83.9 | 84.2 | 84.7 | 84.7 | 84.7 | 84.8 |
| GE 1200 | 6.6 | 57.7 | 65.9 | 72.8 | 78.1 | 80.4 | 82.6 | 83.7 | 84.1 | 84.4 | 84.7 | 85.1 | 85.6 | 85.6 | 85.6 | 85.7 |
| GE 900 | 6.6 | 57.7 | 65.9 | 72.8 | 78.2 | 80.6 | 82.7 | 83.8 | 84.2 | 84.6 | 84.9 | 85.2 | 85.7 | 85.7 | 85.7 | 85.8 |
| GE 800 | 6.6 | 57.9 | 66.2 | 73.3 | 79.0 | 81.3 | 83.4 | 84.6 | 85.0 | 85.3 | 85.6 | 86.0 | 86.4 | 86.4 | 86.4 | 86.6 |
| GE 700 | 6.6 | 58.1 | 66.6 | 73.8 | 79.4 | 81.8 | 83.9 | 85.0 | 85.4 | 85.8 | 86.2 | 86.4 | 86.9 | 86.9 | 86.9 | 87.0 |
| GE 600 | 6.6 | 58.8 | 67.2 | 74.7 | 80.3 | 82.7 | 84.8 | 85.9 | 86.3 | 86.8 | 87.0 | 87.4 | 87.9 | 87.9 | 87.9 | 88.0 |
| GE 500 | 6.6 | 58.9 | 67.3 | 75.0 | 80.8 | 83.2 | 86.0 | 87.2 | 87.7 | 88.2 | 88.4 | 88.9 | 89.3 | 89.3 | 89.3 | 89.4 |
| GE 400 | 6.6 | 59.0 | 67.6 | 75.6 | 81.6 | 84.1 | 87.2 | 88.6 | 89.0 | 89.6 | 89.9 | 90.3 | 90.8 | 90.8 | 90.8 | 90.9 |
| GE 300 | 6.6 | 59.0 | 67.6 | 75.9 | 82.1 | 84.7 | 87.8 | 89.3 | 89.9 | 90.7 | 91.1 | 91.6 | 92.0 | 92.0 | 92.2 | 92.4 |
| GE 200 | 6.6 | 59.0 | 67.7 | 76.0 | 82.2 | 84.9 | 88.8 | 90.3 | 90.9 | 91.7 | 92.3 | 92.8 | 93.9 | 94.0 | 94.3 | 94.7 |
| GE 100 | 6.6 | 59.0 | 67.7 | 76.0 | 82.2 | 85.0 | 88.9 | 90.6 | 91.3 | 92.4 | 93.4 | 93.9 | 95.2 | 95.7 | 97.2 | 98.7 |
| GE 0 | 6.6 | 59.0 | 67.7 | 76.0 | 82.3 | 85.0 | 88.9 | 90.6 | 91.3 | 92.4 | 93.4 | 93.9 | 95.2 | 95.7 | 97.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0600-0800

| 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 0 | | |
| NO CEIL | 1 | 3.3 | 40.6 | 44.1 | 46.6 | 49.6 | 51.0 | 51.6 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.1 | 52.1 | 52.2 | 52.2 | |
| GF 2000 | 1 | 9.3 | 46.1 | 50.2 | 53.7 | 57.2 | 59.0 | 59.6 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.1 | 60.1 | 60.3 | 60.4 | 60.6 | 60.6 |
| GF 1800 | 1 | 9.3 | 46.2 | 50.3 | 53.8 | 57.3 | 59.1 | 59.8 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.3 | 60.3 | 60.6 | 60.7 | 60.8 | 60.8 |
| GF 1600 | 1 | 9.3 | 46.2 | 50.3 | 53.8 | 57.3 | 59.1 | 59.8 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.3 | 60.3 | 60.6 | 60.7 | 60.8 | 60.8 |
| GF 1400 | 1 | 9.4 | 46.6 | 50.7 | 54.1 | 57.7 | 59.4 | 60.1 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.7 | 60.7 | 60.9 | 61.0 | 61.1 | 61.1 |
| GF 1200 | 1 | 9.7 | 47.0 | 51.4 | 54.9 | 58.4 | 60.3 | 61.0 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.6 | 61.6 | 61.8 | 61.9 | 62.0 | 62.0 |
| GE 1000 | 1 | 10.3 | 50.3 | 55.3 | 58.9 | 62.9 | 64.9 | 65.6 | 66.0 | 66.0 | 66.0 | 66.0 | 66.1 | 66.1 | 66.3 | 66.4 | 66.6 | 66.6 | 66.6 |
| GF 900 | 1 | 10.3 | 50.6 | 56.0 | 59.0 | 63.6 | 65.6 | 66.2 | 66.7 | 66.7 | 66.7 | 66.7 | 66.8 | 66.8 | 67.0 | 67.1 | 67.2 | 67.2 | 67.2 |
| GF 800 | 1 | 10.9 | 53.6 | 58.9 | 63.0 | 67.1 | 69.2 | 69.9 | 70.4 | 70.4 | 70.4 | 70.4 | 70.8 | 71.0 | 71.2 | 71.3 | 71.4 | 71.4 | 71.4 |
| GF 700 | 1 | 10.9 | 54.6 | 59.9 | 64.1 | 68.2 | 70.3 | 71.0 | 71.6 | 71.7 | 71.7 | 71.9 | 72.1 | 72.1 | 72.3 | 72.4 | 72.6 | 72.6 | 72.6 |
| GF 600 | 1 | 11.0 | 55.8 | 61.2 | 65.4 | 69.6 | 71.7 | 72.3 | 72.9 | 73.0 | 73.2 | 73.4 | 73.4 | 73.7 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 |
| GF 500 | 1 | 11.0 | 57.6 | 63.1 | 67.4 | 71.9 | 74.1 | 74.8 | 75.3 | 75.4 | 75.7 | 75.9 | 75.9 | 76.1 | 76.1 | 76.2 | 76.3 | 76.3 | 76.3 |
| GF 450 | 1 | 11.0 | 58.3 | 64.1 | 69.0 | 73.4 | 75.7 | 76.4 | 77.0 | 77.1 | 77.3 | 77.6 | 77.6 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 |
| GF 400 | 1 | 11.1 | 58.0 | 64.7 | 69.0 | 74.2 | 76.4 | 77.3 | 77.9 | 78.0 | 78.2 | 78.4 | 78.4 | 78.7 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 |
| GF 350 | 1 | 11.2 | 59.6 | 65.6 | 70.8 | 75.2 | 77.6 | 78.4 | 79.1 | 79.2 | 79.4 | 79.7 | 79.7 | 79.9 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 |
| GF 300 | 1 | 11.2 | 60.2 | 66.2 | 72.0 | 76.4 | 76.8 | 79.7 | 80.4 | 80.8 | 81.0 | 81.2 | 81.2 | 81.4 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 |
| GF 250 | 1 | 11.2 | 60.2 | 66.2 | 72.2 | 76.9 | 79.3 | 80.3 | 81.1 | 81.4 | 81.7 | 81.9 | 81.9 | 82.1 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 |
| GF 200 | 1 | 11.2 | 60.7 | 66.3 | 73.3 | 78.2 | 80.7 | 81.7 | 82.6 | 82.9 | 83.1 | 83.4 | 83.4 | 83.7 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 |
| GF 180 | 1 | 11.2 | 60.7 | 66.8 | 73.3 | 78.2 | 80.7 | 81.7 | 82.6 | 82.9 | 83.1 | 83.4 | 83.4 | 83.7 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 |
| GF 160 | 1 | 11.2 | 60.9 | 67.0 | 73.7 | 78.6 | 81.0 | 82.4 | 83.3 | 83.7 | 83.9 | 84.2 | 84.2 | 84.4 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 |
| GF 140 | 1 | 11.2 | 61.1 | 67.2 | 73.9 | 78.8 | 81.3 | 82.8 | 83.7 | 84.0 | 84.2 | 84.6 | 84.6 | 84.8 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 |
| GF 120 | 1 | 11.2 | 61.4 | 67.6 | 74.0 | 79.7 | 81.2 | 84.0 | 84.9 | 85.2 | 85.4 | 85.8 | 85.8 | 86.0 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 |
| GF 100 | 1 | 11.2 | 61.6 | 67.7 | 74.7 | 79.9 | 81.4 | 84.7 | 85.8 | 86.1 | 86.3 | 86.7 | 86.7 | 86.9 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 |
| GF 90 | 1 | 11.2 | 61.9 | 68.0 | 75.2 | 80.3 | 83.3 | 85.6 | 86.7 | 87.0 | 87.2 | 87.6 | 87.6 | 87.8 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 |
| GF 80 | 1 | 11.2 | 62.0 | 68.2 | 75.7 | 81.2 | 83.9 | 86.2 | 87.4 | 87.8 | 88.2 | 88.6 | 88.6 | 88.8 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 |
| GF 70 | 1 | 11.2 | 62.0 | 68.3 | 75.0 | 81.6 | 84.2 | 86.6 | 87.8 | 88.1 | 88.7 | 89.0 | 89.0 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 |
| GF 60 | 1 | 11.2 | 62.0 | 68.4 | 76.1 | 82.2 | 85.3 | 88.0 | 89.2 | 89.6 | 90.1 | 90.6 | 90.6 | 90.8 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 |
| GF 50 | 1 | 11.2 | 62.0 | 68.4 | 76.2 | 82.6 | 85.6 | 88.7 | 90.6 | 90.9 | 91.6 | 92.2 | 92.2 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 |
| GF 40 | 1 | 11.2 | 62.0 | 68.4 | 76.2 | 82.8 | 86.2 | 89.3 | 92.0 | 92.6 | 93.2 | 94.4 | 94.4 | 95.0 | 95.1 | 95.2 | 95.3 | 95.3 | 95.3 |
| GF 30 | 1 | 11.2 | 62.0 | 68.4 | 76.3 | 83.1 | 86.4 | 89.9 | 92.9 | 93.6 | 94.4 | 96.6 | 96.6 | 97.4 | 97.8 | 97.9 | 98.1 | 98.1 | 98.1 |
| GF 20 | 1 | 11.2 | 62.0 | 68.4 | 76.3 | 83.0 | 86.4 | 89.9 | 92.9 | 93.6 | 94.4 | 96.7 | 96.8 | 97.7 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 |
| GF 10 | 1 | 11.2 | 62.0 | 68.4 | 76.3 | 83.0 | 86.4 | 89.9 | 92.9 | 93.6 | 94.4 | 96.7 | 96.8 | 97.7 | 98.3 | 98.8 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0900-1100

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|---------|---------|---------|---------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | 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 | 9.8 | 46.4 | 48.7 | 51.6 | 52.0 | 52.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| GE 20000 | 11.2 | 53.1 | 56.2 | 59.1 | 59.7 | 59.8 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| GE 18000 | 11.2 | 53.1 | 56.2 | 59.1 | 59.7 | 59.8 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| GE 16000 | 11.2 | 53.1 | 56.2 | 59.1 | 59.7 | 59.8 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| GE 14000 | 11.2 | 53.2 | 56.3 | 59.2 | 59.8 | 59.9 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 12000 | 11.2 | 54.0 | 57.4 | 60.3 | 60.9 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| GE 10000 | 11.6 | 56.7 | 63.6 | 63.8 | 64.6 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GE 9000 | 11.6 | 57.0 | 61.0 | 64.2 | 65.0 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 8000 | 12.0 | 63.0 | 64.3 | 67.8 | 68.8 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 7000 | 12.3 | 61.0 | 65.4 | 68.9 | 69.9 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 6000 | 12.3 | 61.8 | 66.2 | 69.7 | 70.7 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 5000 | 12.3 | 63.3 | 69.3 | 72.0 | 73.0 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 4500 | 12.3 | 65.2 | 73.7 | 74.4 | 75.4 | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| GE 4000 | 12.6 | 66.9 | 72.4 | 76.3 | 77.9 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 3500 | 13.0 | 68.4 | 74.0 | 78.2 | 80.1 | 80.6 | 80.7 | 80.7 | 80.7 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 3000 | 13.3 | 70.0 | 76.0 | 80.8 | 82.9 | 83.3 | 83.7 | 83.7 | 83.7 | 83.6 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 2500 | 13.3 | 70.4 | 76.7 | 81.3 | 84.1 | 84.6 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 2000 | 13.2 | 72.1 | 78.8 | 84.2 | 86.8 | 87.3 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 1500 | 13.3 | 72.3 | 79.0 | 84.4 | 87.0 | 87.6 | 88.2 | 88.2 | 88.2 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 1000 | 13.3 | 72.7 | 79.3 | 84.6 | 87.3 | 87.9 | 88.6 | 88.6 | 88.6 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 1200 | 13.3 | 72.9 | 80.0 | 85.8 | 88.6 | 89.1 | 89.6 | 89.6 | 89.6 | 89.9 | 90.7 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 1000 | 13.3 | 73.3 | 80.8 | 86.3 | 89.3 | 90.1 | 91.3 | 91.4 | 91.4 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 900 | 13.7 | 73.3 | 81.0 | 86.7 | 89.8 | 90.7 | 92.1 | 92.2 | 92.2 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 800 | 13.3 | 73.4 | 81.1 | 86.8 | 90.0 | 90.9 | 92.4 | 92.7 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 700 | 13.3 | 73.4 | 81.4 | 87.2 | 90.7 | 91.8 | 93.4 | 93.7 | 93.7 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 600 | 13.3 | 73.6 | 81.7 | 87.6 | 91.1 | 92.4 | 94.3 | 94.9 | 94.9 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 500 | 13.3 | 73.9 | 82.3 | 88.3 | 92.2 | 93.7 | 96.0 | 97.0 | 97.0 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 400 | 13.3 | 73.9 | 82.3 | 88.4 | 92.4 | 94.2 | 96.3 | 98.1 | 98.2 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 300 | 13.3 | 73.9 | 82.3 | 88.4 | 92.4 | 94.4 | 97.2 | 98.6 | 98.7 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 200 | 13.3 | 73.9 | 82.3 | 88.4 | 92.4 | 94.6 | 97.3 | 98.7 | 98.9 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 13.3 | 73.9 | 82.3 | 88.4 | 92.4 | 94.6 | 97.3 | 98.7 | 98.9 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS/LSLT: 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|--------|--------|--------|--------|--------|------|----------|----------|----------|------|----------|----------|----------|------|----------|
| | 1 | GE 1/8 | GE 1/4 | GE 3/8 | GE 1/2 | GE 3/4 | GE 1 | GE 1 1/4 | GE 1 1/2 | GE 1 3/4 | GE 2 | GE 2 1/4 | GE 2 1/2 | GE 2 3/4 | GE 3 | GE 3 1/4 |
| NO CEIL | 8.4 | 42.9 | 44.8 | 46.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GF 20000 | 11.1 | 52.2 | 55.0 | 57.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| GF 18000 | 11.1 | 52.4 | 55.2 | 57.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| GF 16000 | 11.1 | 52.4 | 55.2 | 57.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| GF 14000 | 11.7 | 52.9 | 55.7 | 58.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| GF 12000 | 11.7 | 54.0 | 57.1 | 59.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| GF 10000 | 11.8 | 56.2 | 59.6 | 62.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| GF 9000 | 11.8 | 56.6 | 59.9 | 62.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GF 8000 | 12.2 | 59.6 | 63.3 | 66.7 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GF 7000 | 12.8 | 67.7 | 64.4 | 67.8 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| GF 6000 | 12.8 | 61.3 | 65.1 | 68.6 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| GF 5000 | 12.9 | 63.9 | 68.0 | 71.4 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| GF 4500 | 13.0 | 66.0 | 70.3 | 74.0 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GF 4000 | 13.1 | 68.8 | 74.3 | 78.1 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| GF 3500 | 13.4 | 72.3 | 77.9 | 82.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GF 3000 | 13.4 | 75.4 | 81.4 | 86.4 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GF 2500 | 13.6 | 76.0 | 82.0 | 87.1 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GF 2000 | 13.6 | 77.2 | 83.2 | 88.3 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GF 1800 | 13.6 | 77.3 | 83.3 | 88.4 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GF 1600 | 13.6 | 77.9 | 84.1 | 89.6 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| GF 1400 | 13.6 | 78.3 | 84.6 | 90.3 | 93.3 | 93.9 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GF 1200 | 13.6 | 78.8 | 85.1 | 91.0 | 94.4 | 95.0 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GF 1000 | 13.6 | 79.2 | 85.9 | 91.9 | 95.3 | 96.0 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GF 900 | 13.6 | 79.3 | 86.0 | 92.0 | 95.4 | 96.2 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GF 800 | 13.6 | 79.4 | 86.6 | 92.7 | 96.2 | 97.0 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GF 700 | 13.6 | 79.6 | 86.9 | 93.2 | 96.4 | 97.2 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GF 600 | 13.6 | 79.7 | 87.1 | 93.2 | 96.7 | 97.6 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GF 500 | 13.6 | 79.7 | 87.2 | 93.3 | 97.0 | 97.9 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GF 400 | 13.6 | 79.7 | 87.2 | 93.4 | 97.2 | 98.3 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GF 300 | 13.6 | 79.7 | 87.2 | 93.4 | 97.2 | 98.3 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GF 200 | 13.6 | 79.7 | 87.2 | 93.4 | 97.2 | 98.3 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GF 100 | 13.6 | 79.7 | 87.2 | 93.4 | 97.2 | 98.3 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS (LST): 1500-1700

| 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 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 9.1 | 41.4 | 43.4 | 45.1 | 46.2 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | |
| GE 2000 | 10.6 | 50.0 | 53.7 | 55.7 | 57.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | |
| GE 1800 | 10.7 | 50.4 | 54.1 | 56.1 | 57.4 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | |
| GE 1600 | 10.7 | 50.4 | 54.1 | 56.1 | 57.4 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | |
| GE 1400 | 11.0 | 51.1 | 54.9 | 56.8 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | |
| GE 1200 | 11.1 | 52.2 | 55.9 | 58.1 | 59.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | |
| GE 1000 | 12.0 | 56.1 | 60.7 | 63.0 | 64.6 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | |
| GE 900 | 12.1 | 56.4 | 61.0 | 63.3 | 64.9 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | |
| GE 800 | 12.7 | 59.1 | 64.1 | 66.7 | 68.3 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | |
| GE 700 | 13.1 | 63.6 | 65.7 | 68.2 | 70.0 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | |
| GE 600 | 13.1 | 61.2 | 66.7 | 69.2 | 71.1 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | |
| GE 500 | 13.2 | 62.2 | 67.7 | 70.4 | 72.3 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | |
| GE 450 | 13.4 | 64.4 | 70.0 | 72.8 | 74.7 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | |
| GE 400 | 13.6 | 68.2 | 74.6 | 77.9 | 80.2 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | |
| GE 350 | 13.9 | 70.8 | 77.6 | 81.2 | 83.9 | 84.1 | 84.1 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | |
| GE 300 | 13.9 | 73.8 | 81.9 | 86.3 | 89.2 | 89.6 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | |
| GE 250 | 13.9 | 74.2 | 82.3 | 87.1 | 90.0 | 90.3 | 90.6 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | |
| GE 200 | 13.9 | 74.8 | 82.9 | 87.9 | 91.1 | 91.4 | 91.7 | 91.9 | 91.9 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | |
| GE 180 | 13.9 | 74.9 | 83.0 | 88.0 | 91.2 | 91.6 | 91.8 | 92.0 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | |
| GE 160 | 13.9 | 75.2 | 83.7 | 88.8 | 92.1 | 92.4 | 93.1 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | |
| GE 140 | 13.9 | 75.2 | 84.0 | 89.1 | 92.4 | 92.8 | 93.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | |
| GE 120 | 13.9 | 76.0 | 85.1 | 90.6 | 94.3 | 94.9 | 95.4 | 95.8 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | |
| GE 100 | 13.9 | 76.3 | 85.4 | 91.3 | 94.3 | 95.3 | 95.9 | 96.2 | 96.2 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | |
| GE 90 | 13.9 | 76.6 | 85.8 | 91.3 | 95.2 | 95.8 | 96.4 | 96.8 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | |
| GE 80 | 13.9 | 76.8 | 86.0 | 91.7 | 95.6 | 96.3 | 97.2 | 97.6 | 97.6 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | |
| GE 70 | 13.9 | 76.8 | 86.0 | 91.7 | 95.7 | 96.6 | 97.4 | 97.9 | 97.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | |
| GE 60 | 13.9 | 76.8 | 86.0 | 91.9 | 96.1 | 97.1 | 98.1 | 98.7 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | |
| GE 50 | 13.9 | 76.8 | 86.0 | 91.9 | 96.1 | 97.2 | 98.6 | 99.1 | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 40 | 13.9 | 76.8 | 86.0 | 91.8 | 96.2 | 97.3 | 98.9 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 30 | 13.9 | 76.8 | 86.0 | 91.8 | 96.2 | 97.3 | 98.9 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 20 | 13.9 | 76.8 | 86.0 | 91.8 | 96.2 | 97.3 | 98.9 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 10 | 13.9 | 76.8 | 86.0 | 91.8 | 96.2 | 97.3 | 98.9 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|------|------|
| | 1 | 1 1/8 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/4 | 2 1/2 | 2 3/4 | 3 | 3 1/4 | 3 1/2 | 3 3/4 | 4 | 4 1/4 | 4 1/2 | 4 3/4 | 5 | | |
| NO CLIC | 17.6 | 47.8 | 57.8 | 54.5 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | |
| GE 20000 | 11.6 | 54.2 | 59.3 | 61.7 | 62.9 | 63.3 | 63.4 | 63.4 | 63.4 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| GE 18000 | 11.6 | 54.7 | 59.3 | 61.1 | 63.3 | 63.8 | 63.9 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| GE 16000 | 11.6 | 54.7 | 59.8 | 61.1 | 63.3 | 63.8 | 63.9 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| GE 14000 | 11.7 | 55.6 | 62.7 | 62.0 | 64.4 | 64.9 | 65.0 | 65.0 | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 12000 | 11.7 | 56.2 | 61.3 | 62.7 | 65.3 | 65.8 | 65.9 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| GE 10000 | 12.2 | 59.4 | 65.2 | 66.6 | 69.2 | 69.7 | 69.9 | 69.9 | 69.9 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| GE 9000 | 12.2 | 60.0 | 65.8 | 67.1 | 69.9 | 70.3 | 70.6 | 70.6 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| GE 8000 | 12.6 | 62.4 | 68.3 | 69.7 | 73.1 | 73.7 | 73.9 | 73.9 | 73.9 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| GE 7000 | 12.9 | 63.9 | 70.0 | 71.3 | 74.6 | 75.3 | 75.6 | 75.6 | 75.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 6000 | 12.9 | 64.8 | 71.0 | 72.6 | 75.0 | 76.6 | 76.8 | 76.8 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 5000 | 13.0 | 66.7 | 73.0 | 74.0 | 78.0 | 78.6 | 78.8 | 78.8 | 78.8 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 4500 | 13.4 | 68.3 | 74.7 | 76.3 | 79.9 | 80.3 | 80.6 | 80.6 | 80.6 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 4000 | 13.7 | 70.8 | 78.1 | 80.0 | 84.3 | 85.0 | 85.3 | 85.3 | 85.3 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 3500 | 13.7 | 72.6 | 80.3 | 83.3 | 87.1 | 87.8 | 88.2 | 88.2 | 88.2 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 3000 | 13.7 | 72.9 | 81.1 | 84.1 | 88.0 | 89.2 | 89.7 | 89.7 | 89.7 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 2500 | 13.7 | 73.6 | 81.9 | 85.2 | 89.8 | 90.4 | 90.9 | 90.9 | 90.9 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 2000 | 13.7 | 73.6 | 82.0 | 85.3 | 89.9 | 90.6 | 91.0 | 91.0 | 91.0 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 1800 | 13.7 | 73.6 | 82.0 | 85.3 | 89.9 | 90.6 | 91.0 | 91.0 | 91.0 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 1600 | 13.7 | 73.9 | 82.4 | 86.0 | 90.8 | 91.4 | 91.9 | 92.0 | 92.0 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 1400 | 13.7 | 74.3 | 83.0 | 86.6 | 91.6 | 92.4 | 93.1 | 93.2 | 93.4 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 1200 | 13.7 | 74.7 | 83.6 | 87.2 | 92.2 | 93.1 | 94.0 | 94.1 | 94.3 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 1000 | 13.7 | 74.7 | 83.6 | 87.2 | 92.3 | 93.2 | 94.1 | 94.2 | 94.4 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 900 | 13.7 | 74.7 | 83.6 | 87.4 | 92.6 | 93.4 | 94.3 | 94.4 | 94.7 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 800 | 13.8 | 75.1 | 84.3 | 88.1 | 93.6 | 94.6 | 95.4 | 95.6 | 95.8 | 96.1 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 700 | 13.8 | 75.1 | 84.4 | 88.3 | 93.9 | 95.0 | 95.2 | 95.3 | 95.6 | 96.0 | 96.9 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 600 | 13.9 | 75.2 | 84.9 | 88.5 | 94.8 | 96.1 | 97.4 | 98.0 | 98.2 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 500 | 13.8 | 75.2 | 84.9 | 88.8 | 94.9 | 96.2 | 97.7 | 98.6 | 98.9 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 400 | 13.8 | 75.2 | 84.9 | 88.8 | 94.9 | 96.2 | 97.8 | 98.7 | 99.0 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 13.8 | 75.2 | 84.9 | 88.8 | 94.9 | 96.2 | 97.8 | 98.7 | 99.1 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 13.8 | 75.2 | 84.9 | 88.8 | 94.9 | 96.2 | 97.8 | 98.7 | 99.1 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 13.8 | 75.2 | 84.9 | 88.8 | 94.9 | 96.2 | 97.8 | 98.7 | 99.1 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS: 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 2100-2300

| 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 | GE 16 | |
| NO CEIL | 9.7 | 91.8 | 55.7 | 57.4 | 59.8 | 59.1 | 59.3 | 59.3 | 59.7 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.4 | 59.4 | 59.4 |
| GE 2000 | 9.7 | 55.7 | 67.4 | 63.0 | 64.7 | 65.0 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 1800 | 9.7 | 56.1 | 61.2 | 63.4 | 65.2 | 65.6 | 65.8 | 65.8 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 |
| GE 1600 | 9.7 | 56.1 | 61.2 | 63.4 | 65.2 | 65.6 | 65.8 | 65.8 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 |
| GE 1400 | 9.7 | 56.7 | 61.8 | 64.0 | 65.8 | 66.1 | 66.3 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.6 | 66.6 | 66.6 | 66.6 |
| GE 1200 | 9.7 | 57.1 | 62.4 | 64.6 | 65.6 | 66.9 | 67.1 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 |
| GE 1000 | 9.7 | 59.9 | 66.0 | 68.4 | 70.3 | 70.7 | 70.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 900 | 9.7 | 60.1 | 66.2 | 68.7 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| GE 800 | 9.8 | 61.7 | 68.2 | 71.2 | 73.7 | 74.1 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 700 | 9.1 | 62.2 | 69.9 | 71.9 | 74.3 | 74.6 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 600 | 9.1 | 62.3 | 69.0 | 72.0 | 74.6 | 75.0 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 500 | 9.2 | 63.9 | 70.4 | 74.2 | 77.0 | 77.4 | 77.9 | 77.9 | 77.9 | 77.9 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 400 | 9.6 | 65.9 | 73.1 | 76.6 | 79.3 | 79.8 | 80.2 | 80.2 | 80.2 | 80.2 | 80.3 | 80.4 | 80.4 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 300 | 9.7 | 68.1 | 75.9 | 79.5 | 83.1 | 83.6 | 84.1 | 84.3 | 84.3 | 84.3 | 84.4 | 84.6 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 200 | 9.7 | 68.9 | 76.9 | 81.2 | 84.3 | 84.9 | 85.4 | 85.7 | 85.7 | 85.7 | 85.6 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 100 | 9.7 | 69.7 | 78.2 | 82.3 | 86.3 | 86.9 | 87.6 | 87.6 | 87.6 | 87.6 | 87.9 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 2500 | 9.7 | 69.9 | 78.6 | 82.9 | 87.2 | 87.6 | 88.4 | 88.7 | 88.7 | 88.6 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 2000 | 9.7 | 70.0 | 78.9 | 83.2 | 87.7 | 88.2 | 88.9 | 89.1 | 89.1 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 1800 | 9.7 | 70.0 | 78.9 | 83.2 | 87.7 | 88.2 | 88.9 | 89.1 | 89.1 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 1600 | 9.7 | 70.4 | 79.6 | 83.9 | 88.4 | 89.0 | 89.7 | 89.9 | 89.9 | 89.9 | 90.0 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 1400 | 9.7 | 71.0 | 80.4 | 84.9 | 89.4 | 90.0 | 90.7 | 91.0 | 91.0 | 91.0 | 91.1 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 1200 | 9.7 | 71.6 | 81.1 | 85.7 | 90.3 | 90.9 | 91.6 | 91.9 | 91.9 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 1000 | 9.7 | 71.7 | 81.2 | 85.8 | 91.7 | 91.6 | 92.2 | 92.6 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 900 | 9.7 | 71.9 | 81.4 | 86.0 | 91.2 | 91.8 | 92.4 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 800 | 9.7 | 72.1 | 81.8 | 86.6 | 91.9 | 92.4 | 93.1 | 93.4 | 93.4 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 700 | 9.7 | 72.1 | 81.9 | 86.6 | 92.1 | 92.7 | 93.3 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 600 | 9.7 | 72.2 | 82.3 | 87.3 | 92.9 | 93.7 | 94.3 | 94.8 | 94.8 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 500 | 9.7 | 72.3 | 82.4 | 87.4 | 93.7 | 94.4 | 95.2 | 95.7 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 400 | 9.7 | 72.3 | 82.6 | 87.7 | 94.0 | 94.9 | 95.8 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 300 | 9.7 | 72.3 | 82.6 | 87.7 | 94.1 | 94.9 | 95.7 | 96.7 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 200 | 9.7 | 72.3 | 82.6 | 87.7 | 94.1 | 94.9 | 95.7 | 96.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 100 | 9.7 | 72.3 | 82.6 | 87.7 | 94.1 | 94.9 | 95.7 | 96.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 0 | 9.7 | 72.3 | 82.6 | 87.7 | 94.0 | 94.9 | 95.7 | 96.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAF/CLAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 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 7/8 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 8.3 | 44.6 | 47.6 | 49.8 | 51.4 | 51.9 | 52.2 | 52.3 | 52.3 | 52.3 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.6 |
| GE 2000 | 9.3 | 50.7 | 54.9 | 57.6 | 59.5 | 60.1 | 60.5 | 60.6 | 60.7 | 60.7 | 60.9 | 60.8 | 60.9 | 60.9 | 60.9 | 61.0 |
| GE 1800 | 9.3 | 50.9 | 55.1 | 57.8 | 59.8 | 60.4 | 60.7 | 60.9 | 60.9 | 61.0 | 61.0 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 |
| GE 1600 | 9.3 | 50.9 | 55.1 | 57.3 | 59.8 | 60.4 | 60.7 | 60.9 | 60.9 | 61.0 | 61.0 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 |
| GE 1400 | 9.4 | 51.3 | 55.5 | 58.3 | 60.3 | 60.9 | 61.2 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.6 | 61.7 | 61.7 | 61.7 |
| GE 1200 | 9.5 | 52.1 | 56.5 | 59.4 | 61.4 | 62.0 | 62.4 | 62.6 | 62.6 | 62.7 | 62.7 | 62.8 | 62.8 | 62.9 | 62.9 | 62.9 |
| GE 1000 | 9.9 | 55.0 | 60.0 | 63.1 | 65.2 | 65.9 | 66.3 | 66.5 | 66.5 | 66.6 | 66.6 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 |
| GE 900 | 9.9 | 55.4 | 60.4 | 63.5 | 65.7 | 66.3 | 66.8 | 66.9 | 66.9 | 67.0 | 67.0 | 67.1 | 67.1 | 67.2 | 67.2 | 67.3 |
| GE 800 | 10.2 | 57.8 | 63.3 | 66.6 | 69.2 | 69.9 | 70.4 | 70.5 | 70.6 | 70.7 | 70.8 | 70.9 | 71.0 | 71.0 | 71.0 | 71.1 |
| GE 700 | 10.5 | 58.8 | 64.3 | 67.7 | 70.2 | 71.0 | 71.4 | 71.6 | 71.7 | 71.8 | 71.9 | 72.0 | 72.1 | 72.1 | 72.1 | 72.2 |
| GE 600 | 10.5 | 59.4 | 65.0 | 68.5 | 71.0 | 71.8 | 72.3 | 72.5 | 72.5 | 72.6 | 72.8 | 72.8 | 72.9 | 73.0 | 73.0 | 73.0 |
| GE 500 | 10.6 | 61.4 | 67.1 | 70.3 | 73.5 | 74.3 | 74.9 | 74.9 | 75.0 | 75.1 | 75.2 | 75.3 | 75.4 | 75.4 | 75.5 | 75.5 |
| GE 400 | 10.8 | 63.2 | 69.3 | 73.0 | 75.7 | 76.6 | 77.1 | 77.3 | 77.3 | 77.4 | 77.5 | 77.6 | 77.7 | 77.8 | 77.8 | 77.8 |
| GE 300 | 11.0 | 65.2 | 71.9 | 76.0 | 79.0 | 79.9 | 80.4 | 80.6 | 80.7 | 80.9 | 81.0 | 81.1 | 81.2 | 81.2 | 81.2 | 81.3 |
| GE 200 | 11.2 | 66.5 | 73.7 | 78.0 | 81.3 | 82.2 | 82.6 | 83.0 | 83.1 | 83.3 | 83.4 | 83.5 | 83.6 | 83.6 | 83.6 | 83.7 |
| GE 100 | 11.2 | 68.2 | 75.5 | 80.3 | 83.9 | 84.9 | 85.5 | 85.8 | 85.9 | 86.1 | 86.2 | 86.3 | 86.4 | 86.4 | 86.4 | 86.5 |
| GE 2500 | 11.2 | 68.6 | 76.0 | 81.0 | 84.7 | 85.7 | 86.3 | 86.6 | 86.8 | 86.9 | 87.0 | 87.1 | 87.2 | 87.3 | 87.3 | 87.3 |
| GE 2000 | 11.2 | 69.1 | 76.7 | 81.6 | 85.6 | 86.6 | 87.4 | 87.7 | 87.8 | 88.0 | 88.0 | 88.2 | 88.3 | 88.3 | 88.3 | 88.4 |
| GE 1800 | 11.2 | 69.2 | 76.9 | 81.7 | 85.7 | 86.7 | 87.4 | 87.8 | 87.9 | 88.1 | 88.2 | 88.3 | 88.4 | 88.4 | 88.4 | 88.5 |
| GE 1600 | 11.2 | 69.5 | 77.2 | 82.4 | 86.4 | 87.4 | 88.3 | 88.6 | 88.7 | 88.9 | 89.0 | 89.1 | 89.2 | 89.3 | 89.3 | 89.3 |
| GE 1400 | 11.2 | 69.8 | 77.7 | 83.0 | 87.0 | 88.1 | 89.1 | 89.4 | 89.5 | 89.7 | 89.9 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 1200 | 11.2 | 70.2 | 78.3 | 83.7 | 88.0 | 89.2 | 90.2 | 90.6 | 90.8 | 90.9 | 91.1 | 91.2 | 91.3 | 91.3 | 91.3 | 91.4 |
| GE 1000 | 11.2 | 70.3 | 78.5 | 84.0 | 88.4 | 89.6 | 90.7 | 91.1 | 91.3 | 91.5 | 91.5 | 91.7 | 91.8 | 91.8 | 91.9 | 91.9 |
| GE 900 | 11.2 | 70.5 | 78.7 | 84.3 | 88.8 | 90.0 | 91.2 | 91.6 | 91.7 | 91.9 | 92.1 | 92.2 | 92.3 | 92.4 | 92.4 | 92.4 |
| GE 800 | 11.2 | 70.7 | 79.1 | 84.8 | 89.4 | 90.7 | 91.9 | 92.4 | 92.5 | 92.8 | 92.9 | 93.0 | 93.2 | 93.2 | 93.2 | 93.3 |
| GE 700 | 11.2 | 70.9 | 79.3 | 85.1 | 89.7 | 91.1 | 92.4 | 93.0 | 93.1 | 93.4 | 93.6 | 93.6 | 93.8 | 93.8 | 93.8 | 93.9 |
| GE 600 | 11.2 | 71.0 | 79.6 | 85.5 | 90.4 | 91.9 | 93.5 | 94.2 | 94.3 | 94.7 | 94.9 | 94.9 | 95.1 | 95.1 | 95.2 | 95.2 |
| GE 500 | 11.2 | 71.0 | 79.6 | 85.7 | 90.7 | 92.3 | 94.1 | 95.0 | 95.0 | 95.2 | 95.5 | 95.5 | 95.9 | 96.0 | 96.1 | 96.2 |
| GE 400 | 11.2 | 71.0 | 79.6 | 85.8 | 90.9 | 92.6 | 94.6 | 95.7 | 95.9 | 96.4 | 96.8 | 96.9 | 97.1 | 97.2 | 97.2 | 97.3 |
| GE 300 | 11.2 | 71.0 | 79.7 | 85.8 | 91.1 | 92.8 | 95.2 | 96.4 | 96.6 | 97.2 | 97.9 | 98.0 | 98.3 | 98.5 | 98.5 | 98.7 |
| GE 200 | 11.2 | 71.0 | 79.7 | 85.8 | 91.1 | 92.8 | 95.2 | 96.4 | 96.7 | 97.4 | 98.1 | 98.2 | 98.7 | 98.9 | 99.3 | 99.7 |
| GE 100 | 11.2 | 71.0 | 79.7 | 85.8 | 91.1 | 92.8 | 95.2 | 96.4 | 96.7 | 97.4 | 98.1 | 98.2 | 98.7 | 98.9 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7730

GLOBAL CLIMATOLOGY BRANCH
USAF/CLAC
FIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0000-0200

| CEILING IN FEET | 1 | GE 17 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | |
|-----------------------|---|----------|---------|---------|---------|---------|-------------|-----------------------------|-------|-------|---------|------|-----------|------|------------|------|---------|------|------|------|
| | | | | | | | | GE 2 | 1 1/2 | 1 1/4 | GE 1 | 3/4 | GE 5/8 | 1/2 | GE 5/16 | 1/4 | GE 0 | | | |
| NO CEIL | 1 | 2.7 | 42.4 | 48.2 | 51.9 | 54.3 | 55.5 | 55.7 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| GE 20000 | 1 | 2.7 | 46.3 | 54.5 | 58.9 | 62.2 | 63.4 | 64.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 18000 | 1 | 2.7 | 46.3 | 54.5 | 58.9 | 62.2 | 63.4 | 64.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 16000 | 1 | 2.7 | 46.3 | 54.5 | 58.9 | 62.2 | 63.4 | 64.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 14000 | 1 | 2.9 | 46.6 | 54.7 | 59.2 | 62.6 | 63.9 | 64.5 | 64.6 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 12000 | 1 | 3.0 | 47.2 | 55.7 | 60.3 | 63.7 | 65.1 | 65.9 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 10000 | 1 | 3.0 | 50.1 | 59.1 | 64.5 | 68.8 | 70.3 | 71.5 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| GE 9000 | 1 | 3.2 | 50.4 | 59.6 | 64.9 | 69.2 | 70.8 | 71.9 | 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 8000 | 1 | 3.3 | 52.9 | 63.2 | 69.1 | 73.4 | 74.9 | 76.1 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 7000 | 1 | 3.3 | 53.9 | 64.3 | 70.3 | 74.7 | 76.2 | 77.4 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 6000 | 1 | 3.3 | 53.9 | 64.3 | 70.3 | 74.9 | 76.6 | 77.7 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 5000 | 1 | 3.3 | 54.7 | 65.3 | 71.6 | 76.2 | 78.0 | 79.1 | 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 4500 | 1 | 3.3 | 55.6 | 66.3 | 72.7 | 77.4 | 79.1 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 4000 | 1 | 3.3 | 56.5 | 67.6 | 74.3 | 79.1 | 80.9 | 82.0 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 3500 | 1 | 3.3 | 57.1 | 68.9 | 75.6 | 80.4 | 82.2 | 83.4 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 3000 | 1 | 3.3 | 58.5 | 70.6 | 77.5 | 82.5 | 84.2 | 85.5 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 2500 | 1 | 3.3 | 59.7 | 71.4 | 78.3 | 83.2 | 84.9 | 86.3 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 2000 | 1 | 3.3 | 58.9 | 71.9 | 78.8 | 84.2 | 85.8 | 87.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 1500 | 1 | 3.7 | 54.9 | 71.9 | 78.9 | 84.2 | 86.0 | 87.4 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 1000 | 1 | 3.7 | 59.6 | 73.0 | 80.1 | 85.6 | 87.5 | 89.0 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 500 | 1 | 3.3 | 59.6 | 73.2 | 80.5 | 86.0 | 88.0 | 89.6 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 1000 | 1 | 3.3 | 60.0 | 74.1 | 81.4 | 87.0 | 89.0 | 90.6 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 500 | 1 | 3.7 | 60.0 | 74.2 | 81.5 | 87.2 | 89.2 | 90.9 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 500 | 1 | 3.3 | 60.0 | 74.2 | 81.9 | 88.0 | 90.0 | 91.6 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 500 | 1 | 3.3 | 60.1 | 74.4 | 82.2 | 88.2 | 90.2 | 91.9 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 500 | 1 | 3.7 | 60.1 | 74.5 | 82.4 | 88.6 | 90.8 | 92.5 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 500 | 1 | 3.3 | 60.1 | 74.7 | 82.5 | 89.4 | 91.5 | 93.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 500 | 1 | 3.3 | 60.1 | 74.7 | 82.6 | 89.5 | 91.6 | 93.7 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 500 | 1 | 3.3 | 60.3 | 75.1 | 82.3 | 90.0 | 92.4 | 94.2 | 95.4 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 500 | 1 | 3.3 | 60.5 | 75.4 | 83.7 | 90.3 | 92.7 | 94.6 | 96.4 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 500 | 1 | 3.3 | 60.5 | 75.4 | 83.8 | 90.4 | 92.8 | 94.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 500 | 1 | 3.3 | 60.5 | 75.4 | 83.8 | 90.4 | 92.8 | 94.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |

TOTAL NUMBER OF OBSERVATIONS: 500

GLOBAL CLIMATOLOGY BRANCH
USAF/AFAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: HCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0300-0500

| CEILING FEET | IN | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| | | CE 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 | 7.7 | 74.0 | 39.6 | 43.8 | 48.4 | 50.1 | 51.5 | 52.2 | 52.2 | 52.7 | 53.0 | 53.0 | 53.2 | 53.2 | 53.3 | 53.7 | |
| GE 20000 | 3.4 | 38.4 | 45.2 | 50.2 | 55.8 | 58.1 | 59.9 | 60.9 | 60.9 | 61.4 | 61.8 | 61.8 | 62.2 | 62.2 | 62.4 | 62.7 | |
| GE 18000 | 3.4 | 38.4 | 45.2 | 50.2 | 55.8 | 58.1 | 59.9 | 60.9 | 60.9 | 61.4 | 61.8 | 61.8 | 62.2 | 62.2 | 62.4 | 62.7 | |
| GE 16000 | 3.4 | 38.4 | 45.2 | 50.2 | 55.8 | 58.1 | 59.9 | 60.9 | 60.9 | 61.4 | 61.8 | 61.8 | 62.2 | 62.2 | 62.4 | 62.7 | |
| GE 14000 | 3.4 | 38.4 | 45.2 | 50.2 | 55.8 | 58.1 | 59.9 | 61.0 | 61.0 | 61.5 | 61.9 | 61.9 | 62.3 | 62.3 | 62.5 | 62.8 | |
| GE 12000 | 3.4 | 38.4 | 46.0 | 51.3 | 57.0 | 59.2 | 61.3 | 62.4 | 62.4 | 62.9 | 63.3 | 63.3 | 63.7 | 63.7 | 63.9 | 64.2 | |
| GE 10000 | 3.4 | 41.6 | 49.1 | 54.9 | 61.6 | 64.1 | 66.6 | 67.6 | 67.6 | 68.5 | 68.9 | 68.9 | 69.2 | 69.2 | 69.5 | 69.8 | |
| GE 9000 | 3.4 | 41.6 | 49.1 | 54.9 | 61.6 | 64.1 | 66.6 | 67.6 | 67.6 | 68.5 | 68.9 | 68.9 | 69.2 | 69.2 | 69.5 | 69.8 | |
| GE 8000 | 3.4 | 43.3 | 51.3 | 57.6 | 64.7 | 67.3 | 70.1 | 71.4 | 71.4 | 72.3 | 72.7 | 72.8 | 73.1 | 73.1 | 73.3 | 73.7 | |
| GE 7000 | 3.4 | 43.7 | 51.7 | 58.4 | 65.3 | 67.8 | 70.6 | 71.9 | 71.9 | 72.8 | 73.2 | 73.3 | 73.7 | 73.7 | 73.9 | 74.2 | |
| GE 6000 | 3.4 | 44.0 | 52.4 | 58.6 | 65.9 | 68.6 | 71.4 | 72.7 | 72.7 | 73.5 | 74.0 | 74.1 | 74.4 | 74.4 | 74.6 | 74.9 | |
| GE 5000 | 3.4 | 44.6 | 52.7 | 59.4 | 66.8 | 69.5 | 72.5 | 73.8 | 73.8 | 74.6 | 75.1 | 75.2 | 75.5 | 75.5 | 75.7 | 76.0 | |
| GE 4000 | 3.4 | 45.2 | 53.5 | 60.4 | 68.0 | 70.9 | 74.0 | 75.3 | 75.3 | 76.1 | 76.6 | 76.7 | 77.0 | 77.0 | 77.2 | 77.5 | |
| GE 3000 | 3.4 | 46.0 | 54.5 | 61.2 | 69.0 | 72.0 | 75.2 | 76.5 | 76.5 | 77.3 | 77.8 | 78.2 | 78.5 | 78.5 | 78.7 | 79.0 | |
| GE 2000 | 3.4 | 46.9 | 55.4 | 62.0 | 70.1 | 73.1 | 76.5 | 77.7 | 77.7 | 78.6 | 79.5 | 79.6 | 79.9 | 79.9 | 80.1 | 80.4 | |
| GE 1000 | 3.4 | 47.6 | 56.5 | 63.4 | 71.6 | 74.6 | 78.0 | 79.2 | 79.2 | 80.1 | 81.0 | 81.1 | 81.4 | 81.4 | 81.6 | 81.9 | |
| GE 0000 | 3.4 | 47.7 | 57.0 | 64.4 | 72.3 | 75.3 | 78.6 | 79.9 | 79.9 | 80.8 | 81.6 | 81.7 | 82.0 | 82.0 | 82.3 | 82.6 | |
| GE 0000 | 3.4 | 48.0 | 57.3 | 64.6 | 72.9 | 75.9 | 79.2 | 80.5 | 80.5 | 81.4 | 82.3 | 82.5 | 83.0 | 83.0 | 83.2 | 83.5 | |
| GE 0000 | 3.4 | 48.4 | 57.5 | 64.8 | 73.1 | 76.1 | 79.5 | 80.8 | 80.8 | 81.6 | 82.5 | 82.7 | 83.2 | 83.2 | 83.4 | 83.8 | |
| GE 0000 | 3.4 | 48.4 | 58.0 | 65.7 | 74.2 | 77.2 | 80.5 | 81.8 | 81.8 | 82.7 | 83.6 | 83.8 | 84.3 | 84.3 | 84.5 | 84.8 | |
| GE 0000 | 3.4 | 48.9 | 58.5 | 66.7 | 75.3 | 78.3 | 81.7 | 83.0 | 83.0 | 83.9 | 84.7 | 84.9 | 85.5 | 85.5 | 85.7 | 86.0 | |
| GE 0000 | 3.4 | 49.0 | 58.5 | 67.4 | 76.5 | 79.5 | 82.0 | 84.4 | 84.4 | 85.4 | 86.2 | 86.5 | 87.3 | 87.3 | 87.2 | 87.5 | |
| GE 0000 | 3.4 | 49.0 | 58.5 | 67.5 | 76.8 | 79.8 | 82.4 | 84.8 | 84.8 | 85.8 | 86.7 | 86.9 | 87.4 | 87.4 | 87.6 | 88.0 | |
| GE 0000 | 3.4 | 49.1 | 58.9 | 68.1 | 77.4 | 80.5 | 84.2 | 85.7 | 85.7 | 86.7 | 87.6 | 87.8 | 88.4 | 88.4 | 88.6 | 88.9 | |
| GE 0000 | 3.4 | 49.1 | 67.1 | 68.5 | 78.3 | 81.1 | 84.7 | 86.2 | 86.2 | 87.2 | 88.2 | 88.4 | 88.9 | 88.9 | 89.1 | 89.5 | |
| GE 0000 | 3.4 | 49.2 | 68.0 | 68.7 | 78.4 | 81.6 | 85.4 | 87.1 | 87.2 | 88.5 | 89.5 | 89.7 | 90.2 | 90.2 | 90.4 | 90.8 | |
| GE 0000 | 3.4 | 49.2 | 68.2 | 68.0 | 78.9 | 82.4 | 86.5 | 88.3 | 88.5 | 89.9 | 91.1 | 91.3 | 91.9 | 91.9 | 92.2 | 92.5 | |
| GE 0000 | 3.4 | 49.2 | 67.3 | 69.0 | 79.1 | 82.7 | 87.0 | 89.1 | 89.7 | 91.2 | 92.4 | 92.6 | 93.2 | 93.2 | 93.4 | 93.8 | |
| GE 0000 | 3.4 | 49.4 | 67.6 | 69.7 | 79.5 | 83.1 | 87.6 | 89.6 | 91.2 | 92.7 | 94.0 | 94.2 | 94.9 | 94.9 | 95.2 | 95.5 | |
| GE 0000 | 3.4 | 49.4 | 68.6 | 69.7 | 79.8 | 83.4 | 88.1 | 90.4 | 91.4 | 93.1 | 94.7 | 94.9 | 96.0 | 96.0 | 96.3 | 96.7 | |
| GE 0000 | 3.4 | 49.4 | 68.6 | 69.7 | 79.8 | 83.4 | 88.3 | 90.4 | 91.4 | 93.3 | 94.7 | 94.9 | 96.3 | 96.3 | 97.4 | 98.9 | |
| GE 0000 | 3.4 | 49.4 | 68.6 | 69.7 | 79.8 | 83.4 | 88.3 | 90.9 | 91.4 | 93.3 | 94.7 | 94.9 | 96.3 | 96.3 | 97.5 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| | GE 1 | 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 | GE 16 | GE 17 |
| 5000 | 4.7 | 33.7 | 39.7 | 42.0 | 43.1 | 44.3 | 45.1 | 46.3 | 47.0 | 47.7 | 49.8 | 50.4 | 50.8 | 51.2 | 51.3 | 51.3 | 51.5 |
| 6000 | 5.3 | 34.4 | 44.1 | 44.1 | 53.1 | 55.7 | 56.8 | 57.5 | 57.8 | 58.6 | 59.2 | 59.2 | 59.7 | 59.9 | 60.0 | 60.3 | 60.3 |
| 8000 | 5.3 | 34.4 | 44.1 | 44.1 | 53.1 | 55.7 | 56.8 | 57.5 | 57.8 | 58.6 | 59.2 | 59.2 | 59.7 | 59.9 | 60.0 | 60.3 | 60.3 |
| 10000 | 5.7 | 34.4 | 44.3 | 44.3 | 53.5 | 56.1 | 57.2 | 57.8 | 58.3 | 59.2 | 59.7 | 59.7 | 60.1 | 60.3 | 60.4 | 60.8 | 60.8 |
| 12000 | 5.4 | 39.4 | 45.8 | 44.8 | 55.2 | 57.7 | 58.8 | 59.6 | 59.9 | 60.9 | 61.3 | 61.3 | 61.7 | 61.9 | 62.0 | 62.4 | 62.4 |
| 14000 | 5.5 | 41.6 | 48.6 | 53.7 | 59.8 | 62.4 | 64.1 | 65.1 | 65.4 | 66.5 | 67.1 | 67.1 | 67.7 | 68.0 | 68.1 | 68.4 | 68.4 |
| 16000 | 5.5 | 41.7 | 49.9 | 53.9 | 59.9 | 62.5 | 64.2 | 65.2 | 65.5 | 66.6 | 67.2 | 67.2 | 67.8 | 68.1 | 68.2 | 68.5 | 68.5 |
| 18000 | 5.5 | 44.5 | 52.6 | 57.4 | 64.9 | 68.0 | 69.8 | 71.0 | 71.3 | 72.4 | 73.7 | 73.1 | 73.9 | 74.1 | 74.3 | 74.6 | 74.6 |
| 20000 | 5.5 | 45.2 | 53.4 | 54.7 | 65.4 | 68.9 | 70.9 | 71.9 | 72.3 | 73.3 | 74.1 | 74.2 | 74.9 | 75.2 | 75.4 | 75.7 | 75.7 |
| 22000 | 5.5 | 45.5 | 53.8 | 59.5 | 66.2 | 69.2 | 71.1 | 72.3 | 72.6 | 73.7 | 74.4 | 74.5 | 75.3 | 75.5 | 75.7 | 76.0 | 76.0 |
| 24000 | 5.5 | 45.6 | 54.4 | 59.7 | 66.4 | 69.4 | 71.7 | 72.9 | 73.2 | 74.3 | 75.1 | 75.2 | 75.9 | 76.1 | 76.3 | 76.7 | 76.7 |
| 26000 | 5.5 | 46.5 | 55.2 | 60.5 | 67.4 | 71.2 | 73.1 | 74.3 | 74.6 | 75.7 | 76.5 | 76.6 | 77.3 | 77.5 | 77.7 | 78.1 | 78.1 |
| 28000 | 5.5 | 47.1 | 56.9 | 61.3 | 69.8 | 72.4 | 74.3 | 75.5 | 75.8 | 76.9 | 77.6 | 77.7 | 78.5 | 78.7 | 78.9 | 79.2 | 79.2 |
| 30000 | 5.5 | 48.0 | 56.9 | 62.3 | 70.2 | 73.5 | 75.5 | 76.4 | 77.1 | 78.4 | 79.1 | 79.2 | 80.0 | 80.2 | 80.4 | 80.9 | 80.9 |
| 32000 | 5.5 | 48.6 | 58.1 | 63.8 | 71.7 | 75.5 | 77.4 | 78.8 | 79.1 | 80.6 | 81.4 | 81.5 | 82.3 | 82.5 | 82.7 | 83.1 | 83.1 |
| 34000 | 5.5 | 49.0 | 59.2 | 64.1 | 72.0 | 75.8 | 77.7 | 79.1 | 79.5 | 81.0 | 81.7 | 81.8 | 82.6 | 82.6 | 83.0 | 83.4 | 83.4 |
| 36000 | 5.5 | 49.5 | 59.7 | 64.7 | 72.7 | 76.6 | 78.5 | 80.0 | 80.4 | 81.9 | 82.4 | 82.9 | 83.7 | 83.9 | 84.1 | 84.5 | 84.5 |
| 38000 | 5.5 | 49.5 | 59.5 | 64.3 | 72.9 | 76.7 | 78.7 | 80.1 | 80.5 | 82.0 | 82.9 | 83.0 | 83.9 | 84.0 | 84.2 | 84.6 | 84.6 |
| 40000 | 5.5 | 50.1 | 59.8 | 64.2 | 74.3 | 78.4 | 80.5 | 81.9 | 82.5 | 84.1 | 85.1 | 85.2 | 86.0 | 86.2 | 86.5 | 86.9 | 86.9 |
| 42000 | 5.5 | 50.3 | 60.1 | 64.6 | 74.7 | 78.9 | 81.2 | 82.7 | 83.2 | 84.8 | 85.4 | 85.9 | 86.8 | 87.0 | 87.2 | 87.6 | 87.6 |
| 44000 | 5.5 | 51.9 | 60.3 | 67.3 | 75.5 | 80.0 | 82.4 | 84.0 | 84.5 | 86.1 | 87.1 | 87.2 | 88.1 | 88.3 | 88.5 | 88.9 | 88.9 |
| 46000 | 5.5 | 50.9 | 60.9 | 67.4 | 76.0 | 80.3 | 82.9 | 84.4 | 85.1 | 86.7 | 87.6 | 87.7 | 88.6 | 88.8 | 89.0 | 89.5 | 89.5 |
| 48000 | 5.5 | 51.1 | 61.2 | 68.0 | 76.7 | 81.1 | 83.5 | 85.3 | 85.9 | 87.6 | 88.6 | 88.7 | 89.6 | 89.8 | 90.0 | 90.4 | 90.4 |
| 50000 | 5.5 | 51.1 | 61.5 | 64.5 | 77.3 | 81.7 | 84.2 | 86.0 | 86.7 | 88.4 | 89.5 | 89.6 | 90.4 | 90.6 | 90.9 | 91.3 | 91.3 |
| 52000 | 5.5 | 51.2 | 61.8 | 69.1 | 74.5 | 82.6 | 85.4 | 87.2 | 88.1 | 89.8 | 90.8 | 91.0 | 91.8 | 92.0 | 92.3 | 92.7 | 92.7 |
| 54000 | 5.5 | 51.4 | 62.2 | 69.5 | 78.6 | 83.9 | 87.2 | 89.5 | 90.2 | 92.3 | 93.4 | 93.5 | 94.7 | 94.9 | 95.2 | 95.6 | 95.6 |
| 56000 | 5.5 | 51.4 | 62.2 | 69.5 | 78.7 | 84.1 | 87.5 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 58000 | 5.5 | 51.4 | 62.2 | 69.5 | 78.7 | 84.1 | 87.5 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 60000 | 5.5 | 51.4 | 62.1 | 69.5 | 78.8 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 62000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 64000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 66000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 68000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 70000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 72000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 74000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 76000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 78000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 80000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 82000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 84000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 86000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 88000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 90000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 92000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 94000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 96000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 98000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |
| 100000 | 5.5 | 51.4 | 62.3 | 69.6 | 78.9 | 84.2 | 87.6 | 90.0 | 90.8 | 93.0 | 94.4 | 94.5 | 95.7 | 95.9 | 96.1 | 96.6 | 96.6 |

TOTAL NUMBER OF OBSERVATIONS: 640

GLOBAL CLIMATOLOGY BRANCH
USAF/ATC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 75-87
MONTH: JUL HOURS(LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-------|
| | GL 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 1/2 | GE 1/4 | GE 1/8 | GE 1/2 | GE 1/4 | GE 1/8 | GE 0 | |
| NO CEIL | 7.1 | 37.5 | 44.9 | 48.0 | 51.1 | 51.1 | 51.4 | 51.6 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| GE 2000 | 7.4 | 44.6 | 51.1 | 56.0 | 54.7 | 56.7 | 59.0 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| GE 1800 | 7.4 | 44.7 | 51.2 | 56.1 | 58.8 | 58.8 | 59.1 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| GE 1600 | 7.4 | 44.7 | 51.2 | 56.1 | 58.9 | 58.8 | 59.1 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| GE 1400 | 7.4 | 44.6 | 51.4 | 56.3 | 59.1 | 59.1 | 59.5 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| GE 1200 | 7.7 | 46.7 | 57.5 | 56.5 | 61.3 | 61.3 | 61.6 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| GE 1000 | 8.0 | 50.1 | 57.4 | 63.0 | 66.1 | 66.1 | 66.6 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 900 | 8.0 | 50.2 | 57.5 | 63.1 | 66.2 | 66.2 | 66.7 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 800 | 8.0 | 54.0 | 60.3 | 66.3 | 71.6 | 71.7 | 72.2 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 700 | 8.0 | 54.6 | 61.3 | 69.4 | 72.7 | 72.8 | 73.2 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| GE 600 | 8.0 | 54.7 | 63.4 | 69.5 | 72.8 | 73.0 | 73.4 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 500 | 8.0 | 55.3 | 64.1 | 70.0 | 74.0 | 74.2 | 74.6 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 450 | 8.0 | 55.7 | 65.1 | 71.6 | 75.1 | 75.4 | 76.0 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 400 | 8.0 | 56.5 | 65.9 | 72.9 | 76.3 | 76.7 | 77.3 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 350 | 8.0 | 57.6 | 67.4 | 74.6 | 78.3 | 78.6 | 79.2 | 79.9 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 300 | 8.2 | 60.5 | 70.4 | 78.2 | 82.0 | 82.5 | 83.3 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 250 | 8.2 | 61.7 | 71.9 | 79.9 | 84.3 | 84.7 | 85.7 | 86.3 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 200 | 8.2 | 62.8 | 73.4 | 81.8 | 86.7 | 87.2 | 88.2 | 88.6 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 150 | 8.2 | 62.9 | 77.5 | 81.9 | 86.8 | 87.3 | 88.3 | 88.9 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 100 | 8.2 | 64.0 | 74.8 | 83.5 | 88.8 | 89.4 | 90.5 | 91.2 | 91.5 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 100 | 8.2 | 64.5 | 75.4 | 84.2 | 89.9 | 90.4 | 91.6 | 92.3 | 92.6 | 92.6 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 100 | 8.2 | 65.1 | 76.1 | 85.1 | 91.1 | 92.2 | 93.7 | 94.4 | 94.7 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 100 | 8.2 | 65.2 | 76.3 | 85.4 | 91.7 | 92.8 | 94.3 | 95.1 | 95.4 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 100 | 8.2 | 65.1 | 76.6 | 85.6 | 92.2 | 93.2 | 94.8 | 95.6 | 95.9 | 96.2 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 100 | 8.2 | 65.2 | 76.8 | 85.8 | 92.6 | 93.6 | 95.5 | 96.2 | 96.6 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 100 | 8.2 | 65.2 | 76.8 | 85.8 | 92.7 | 93.9 | 95.7 | 96.6 | 96.9 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 100 | 8.2 | 65.3 | 77.1 | 86.1 | 93.0 | 94.3 | 96.5 | 97.6 | 98.0 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 100 | 8.2 | 65.3 | 77.1 | 86.2 | 93.3 | 94.7 | 97.1 | 98.2 | 98.6 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 100 | 8.2 | 65.3 | 77.2 | 86.3 | 93.4 | 94.9 | 97.3 | 98.5 | 98.8 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 100 | 8.2 | 65.3 | 77.2 | 86.3 | 93.4 | 94.9 | 97.3 | 98.5 | 98.8 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 8.2 | 65.3 | 77.2 | 86.3 | 93.4 | 94.9 | 97.3 | 98.5 | 98.8 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 8.2 | 65.3 | 77.2 | 86.3 | 93.4 | 94.9 | 97.3 | 98.5 | 98.8 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 231

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724956 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|------|----------|----------|----------|----------|----------|----------|------|
| | 1 | GE 1/8 | GE 1/4 | GE 3/8 | GE 1/2 | GE 5/8 | GE 3/4 | GE 7/8 | GE 1 | GE 1 1/8 | GE 1 1/4 | GE 1 3/8 | GE 1 1/2 | GE 1 5/8 | GE 1 3/4 | GE 2 |
| NO CEIL | 6.1 | 76.8 | 40.5 | 43.9 | 44.8 | 45.2 | 45.4 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| GE 2000 | 7.1 | 45.3 | 48.7 | 53.0 | 54.3 | 54.6 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| GE 1800 | 7.1 | 42.3 | 48.7 | 53.0 | 54.3 | 54.6 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| GE 1600 | 7.1 | 43.3 | 48.7 | 53.0 | 54.3 | 54.6 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| GE 1400 | 7.1 | 43.5 | 48.9 | 53.2 | 54.6 | 54.9 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| GE 1200 | 7.2 | 44.8 | 50.9 | 55.4 | 57.1 | 57.4 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| GE 1000 | 7.3 | 47.5 | 54.0 | 59.0 | 63.8 | 61.1 | 61.3 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| GE 900 | 7.3 | 47.6 | 54.1 | 59.1 | 63.9 | 61.2 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| GE 800 | 7.4 | 51.9 | 59.5 | 64.7 | 66.8 | 67.1 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 700 | 7.8 | 52.5 | 60.1 | 65.6 | 67.6 | 68.0 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 600 | 7.8 | 53.0 | 60.9 | 66.3 | 68.5 | 68.8 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 500 | 7.8 | 53.5 | 61.4 | 67.0 | 69.2 | 69.6 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 400 | 7.9 | 54.5 | 62.7 | 68.4 | 70.6 | 71.0 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| GE 300 | 7.8 | 55.6 | 63.9 | 70.8 | 73.1 | 73.7 | 73.9 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 200 | 8.5 | 62.2 | 72.4 | 80.1 | 82.9 | 83.4 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 100 | 8.9 | 66.5 | 77.6 | 86.2 | 89.7 | 90.3 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 2000 | 8.9 | 67.5 | 79.1 | 88.0 | 91.7 | 92.4 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 1800 | 8.9 | 69.5 | 81.5 | 90.8 | 94.6 | 95.4 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 1600 | 8.9 | 69.6 | 82.0 | 91.1 | 94.9 | 95.7 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 1400 | 8.9 | 70.3 | 83.1 | 92.3 | 96.1 | 97.0 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 1200 | 8.9 | 70.5 | 83.5 | 92.7 | 96.7 | 97.5 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 1000 | 8.9 | 70.5 | 83.5 | 92.7 | 97.0 | 98.0 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 900 | 8.9 | 70.8 | 83.9 | 93.0 | 97.4 | 98.5 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 800 | 8.9 | 71.8 | 84.9 | 93.0 | 97.4 | 98.5 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 700 | 8.9 | 71.8 | 84.9 | 93.0 | 97.5 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 600 | 8.9 | 71.8 | 84.9 | 93.0 | 97.5 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 500 | 8.9 | 71.8 | 84.9 | 93.0 | 97.5 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 400 | 8.9 | 71.8 | 84.9 | 93.0 | 97.5 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 300 | 8.9 | 71.8 | 84.9 | 93.0 | 97.5 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 200 | 8.9 | 71.8 | 84.9 | 93.0 | 97.5 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 100 | 8.9 | 71.8 | 84.9 | 93.0 | 97.5 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |

TOTAL NUMBER OF OBSERVATIONS: 350

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUL 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 | GF 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 3.1 | 38.3 | 42.6 | 47.1 | 47.6 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 2000 | 3.6 | 45.1 | 50.3 | 55.3 | 57.0 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| GE 1800 | 4.6 | 45.5 | 51.2 | 56.2 | 57.5 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| GE 1600 | 8.6 | 45.5 | 51.2 | 56.2 | 57.5 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| GE 1400 | 8.6 | 45.5 | 51.2 | 56.2 | 57.7 | 58.0 | 59.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| GE 1200 | 9.8 | 45.7 | 53.0 | 59.2 | 59.9 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 1000 | 9.7 | 49.8 | 56.7 | 62.3 | 63.8 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| GE 900 | 9.7 | 50.0 | 57.0 | 62.4 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 800 | 9.7 | 53.9 | 62.5 | 68.3 | 70.1 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 700 | 9.7 | 54.3 | 63.1 | 69.0 | 71.0 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 600 | 9.5 | 54.9 | 62.8 | 67.7 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| GE 500 | 9.7 | 56.7 | 65.7 | 71.6 | 73.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 400 | 9.6 | 57.8 | 67.4 | 73.4 | 75.7 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| GE 300 | 9.6 | 60.5 | 71.0 | 77.0 | 80.9 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 200 | 9.7 | 64.5 | 77.0 | 84.0 | 87.2 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE 100 | 10.0 | 68.8 | 81.9 | 87.2 | 93.0 | 93.4 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 5000 | 10.0 | 69.4 | 82.5 | 87.7 | 94.0 | 94.4 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 4000 | 10.0 | 69.9 | 83.0 | 87.8 | 94.1 | 94.6 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 3000 | 10.0 | 70.1 | 83.2 | 88.0 | 94.3 | 94.8 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 2000 | 10.0 | 70.6 | 83.5 | 88.5 | 94.6 | 95.0 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 1000 | 10.0 | 70.8 | 83.9 | 88.7 | 94.7 | 95.2 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 5000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 4000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 3000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 2000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 1000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 5000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 4000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 3000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 2000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 1000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 5000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 4000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 3000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 2000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 1000 | 10.0 | 71.0 | 84.2 | 89.0 | 94.8 | 95.3 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724396 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS (LST): 1900-2000

| CEILING IN FEET | GL 1" | GE 6 | GF 5 | GE 4 | GE 3 | GL 2 | GF 1/2 | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|----------|---------|---------|---------|---------|---------|-----------|-----------------------------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|------|------|------|------|------|------|------|
| | | | | | | | | GL 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | GF 3/4 | GL 5/8 | GF 1/2 | GE 5/16 | GF 1/4 | GE 0 | | | | | | | |
| NO CEIL | 9.3 | 93.9 | 97.3 | 92.2 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | |
| GF 2000 | 9.1 | 51.2 | 57.3 | 63.7 | 65.4 | 65.7 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| GF 1400 | 9.1 | 51.2 | 57.3 | 63.6 | 65.5 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| GF 1000 | 9.1 | 51.6 | 57.8 | 64.3 | 65.9 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| GF 800 | 9.1 | 52.3 | 59.7 | 65.9 | 67.3 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GF 600 | 9.4 | 57.4 | 59.4 | 71.4 | 73.9 | 74.2 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GF 400 | 9.4 | 57.8 | 64.6 | 71.9 | 74.4 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| GF 200 | 9.9 | 61.6 | 59.5 | 70.4 | 79.4 | 79.8 | 80.7 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GF 100 | 9.9 | 62.0 | 69.6 | 77.2 | 79.7 | 80.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GF 50 | 9.9 | 62.2 | 77.3 | 77.4 | 87.3 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| GF 30 | 9.9 | 63.6 | 71.7 | 79.2 | 82.4 | 82.4 | 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 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GF 15 | 9.9 | 63.9 | 72.3 | 83.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GF 10 | 10.2 | 65.5 | 74.4 | 82.9 | 86.3 | 86.9 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GF 5 | 10.2 | 66.2 | 75.6 | 89.9 | 89.5 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GF 3 | 10.2 | 67.3 | 77.3 | 86.7 | 91.2 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GF 2 | 10.2 | 67.7 | 77.4 | 87.6 | 97.1 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GF 1 | 10.2 | 68.1 | 77.9 | 88.3 | 93.4 | 94.2 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GF 0 | 10.2 | 68.4 | 74.3 | 84.7 | 93.9 | 94.6 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GF 0 | 10.2 | 68.9 | 79.5 | 92.1 | 95.7 | 96.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GF 0 | 10.2 | 69.4 | 79.7 | 91.5 | 96.2 | 97.2 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GF 0 | 10.2 | 69.9 | 79.8 | 91.6 | 96.3 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GF 0 | 10.2 | 69.6 | 82.2 | 91.1 | 96.6 | 97.5 | 98.7 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | 97.1 | 98.3 | 98.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GF 0 | 10.2 | 69.6 | 80.2 | 91.3 | | | | | | | | | | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-----------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GL 5 | GF 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GL 3/4 | GE 1/2 | GL 5/8 | GL 1/2 | GE 7/16 | GE 1/4 | GE 0 |
| NO CEIL | 4.4 | 46.0 | 51.3 | 50.0 | 58.1 | 58.4 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| 10000 | 4.9 | 50.4 | 57.3 | 63.0 | 66.1 | 66.7 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 15000 | 4.9 | 50.4 | 57.3 | 63.0 | 66.1 | 66.7 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 16000 | 4.9 | 50.4 | 57.3 | 63.0 | 66.1 | 66.7 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 14000 | 4.9 | 50.4 | 57.3 | 63.0 | 66.1 | 66.7 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 12000 | 4.9 | 51.0 | 58.4 | 64.5 | 67.6 | 68.6 | 69.0 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| 10000 | 5.1 | 51.5 | 61.5 | 68.3 | 71.7 | 72.7 | 73.1 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 9000 | 5.1 | 51.8 | 62.0 | 68.8 | 72.3 | 73.2 | 73.7 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| 8000 | 5.5 | 57.1 | 66.1 | 73.6 | 77.6 | 78.4 | 78.9 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| 7000 | 5.6 | 57.2 | 66.2 | 73.8 | 77.7 | 78.6 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| 6000 | 5.6 | 57.7 | 66.9 | 74.4 | 78.4 | 79.4 | 79.4 | 80.0 | 80.7 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 5000 | 5.9 | 59.1 | 68.3 | 76.2 | 80.2 | 81.1 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| 4000 | 5.9 | 59.5 | 69.2 | 77.0 | 81.1 | 82.1 | 82.5 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 3000 | 5.9 | 60.6 | 70.7 | 78.9 | 83.3 | 84.3 | 84.7 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| 2000 | 5.9 | 61.7 | 72.1 | 80.7 | 85.5 | 86.5 | 86.9 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| 1000 | 5.9 | 62.9 | 74.0 | 83.4 | 89.1 | 90.2 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| 500 | 5.9 | 63.1 | 74.4 | 84.0 | 89.9 | 91.0 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| 400 | 5.9 | 63.3 | 75.1 | 84.8 | 90.6 | 91.6 | 92.3 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 300 | 5.9 | 63.5 | 75.4 | 85.1 | 91.0 | 92.3 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| 200 | 5.9 | 64.4 | 76.5 | 86.4 | 92.4 | 93.9 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| 100 | 5.9 | 64.5 | 76.6 | 86.5 | 92.6 | 94.0 | 94.8 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 50 | 5.9 | 64.6 | 77.6 | 87.6 | 93.7 | 95.1 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 40 | 5.9 | 64.9 | 77.7 | 87.8 | 94.1 | 95.4 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 30 | 5.9 | 64.9 | 77.7 | 87.8 | 94.4 | 95.6 | 96.9 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 20 | 5.9 | 64.9 | 77.7 | 87.9 | 94.7 | 96.1 | 97.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 10 | 5.9 | 64.9 | 77.8 | 88.2 | 95.0 | 96.4 | 97.5 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| 5 | 5.9 | 64.9 | 77.9 | 88.3 | 95.1 | 96.5 | 98.0 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 4 | 5.9 | 64.9 | 77.9 | 88.3 | 95.1 | 97.0 | 98.6 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 3 | 5.9 | 64.9 | 77.9 | 88.3 | 95.1 | 97.0 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 2 | 5.9 | 64.9 | 77.9 | 88.3 | 95.1 | 97.0 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 1 | 5.9 | 64.9 | 77.9 | 88.3 | 95.1 | 97.0 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS: 327

GLOBAL CLIMATOLOGY BRANCH
 US4FETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 78-87
 MONTH: JUL FOURS (LST): ALL

| CEILING 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 CL | 5.6 | 29.2 | 44.1 | 45.2 | 50.5 | 51.2 | 51.6 | 51.8 | 51.8 | 52.0 | 52.1 | 52.1 | 52.1 | 52.2 | 52.2 | 52.2 |
| 05 2000 | 6.1 | 44.7 | 51.1 | 56.1 | 59.1 | 60.0 | 60.6 | 60.9 | 61.0 | 61.2 | 61.3 | 61.3 | 61.4 | 61.4 | 61.4 | 61.5 |
| 05 1800 | 6.1 | 44.8 | 51.2 | 56.1 | 59.2 | 60.1 | 60.7 | 61.0 | 61.1 | 61.3 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.6 |
| 05 1600 | 6.1 | 44.9 | 51.3 | 56.3 | 59.4 | 60.4 | 61.0 | 61.4 | 61.4 | 61.6 | 61.7 | 61.7 | 61.8 | 61.8 | 61.9 | 61.9 |
| 05 1400 | 6.2 | 45.9 | 52.9 | 57.9 | 61.1 | 62.1 | 62.8 | 63.1 | 63.2 | 63.3 | 63.5 | 63.5 | 63.6 | 63.6 | 63.6 | 63.7 |
| 05 1200 | 6.4 | 47.0 | 56.4 | 62.1 | 65.8 | 66.9 | 67.7 | 68.1 | 68.1 | 68.4 | 68.5 | 68.5 | 69.6 | 68.6 | 68.7 | 68.8 |
| 05 1000 | 6.4 | 49.1 | 56.6 | 62.4 | 66.1 | 67.1 | 67.9 | 68.3 | 68.4 | 68.6 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 69.0 |
| 05 0800 | 6.6 | 52.4 | 60.9 | 67.0 | 71.1 | 72.2 | 73.1 | 73.5 | 73.6 | 73.8 | 73.9 | 74.0 | 74.1 | 74.1 | 74.2 | 74.3 |
| 05 0600 | 6.6 | 52.9 | 61.5 | 67.7 | 71.8 | 73.0 | 73.8 | 74.3 | 74.3 | 74.6 | 74.7 | 74.8 | 74.9 | 74.9 | 75.0 | 75.1 |
| 05 0400 | 6.6 | 53.2 | 61.9 | 68.2 | 72.3 | 73.5 | 74.4 | 74.8 | 74.8 | 75.1 | 75.2 | 75.3 | 75.4 | 75.4 | 75.5 | 75.6 |
| 05 0200 | 6.7 | 54.2 | 62.9 | 69.4 | 73.6 | 74.8 | 75.7 | 76.2 | 76.2 | 76.5 | 76.6 | 76.7 | 76.8 | 76.8 | 76.9 | 76.9 |
| 05 0000 | 6.7 | 54.9 | 64.0 | 71.5 | 74.8 | 76.1 | 77.1 | 77.6 | 77.6 | 77.8 | 78.0 | 78.0 | 78.2 | 78.2 | 78.2 | 78.3 |
| 05 2200 | 6.7 | 56.0 | 65.5 | 72.5 | 77.1 | 78.4 | 79.4 | 79.9 | 79.9 | 80.1 | 80.3 | 80.3 | 80.5 | 80.5 | 80.6 | 80.6 |
| 05 2000 | 6.8 | 58.0 | 68.2 | 75.5 | 82.4 | 83.7 | 84.7 | 85.2 | 85.3 | 85.6 | 85.8 | 85.8 | 86.0 | 86.0 | 86.1 | 86.1 |
| 05 1800 | 7.0 | 60.1 | 72.3 | 79.5 | 87.3 | 88.3 | 88.4 | 88.9 | 89.0 | 89.2 | 89.5 | 89.5 | 89.7 | 89.7 | 89.7 | 89.8 |
| 05 1600 | 7.0 | 60.6 | 71.5 | 79.5 | 84.9 | 86.4 | 87.5 | 88.1 | 89.1 | 88.4 | 89.6 | 88.7 | 88.8 | 88.8 | 88.9 | 89.0 |
| 05 1400 | 7.0 | 61.2 | 72.4 | 80.5 | 86.2 | 87.8 | 88.9 | 89.5 | 89.6 | 89.9 | 90.2 | 90.2 | 90.4 | 90.4 | 90.5 | 90.6 |
| 05 1200 | 7.0 | 61.4 | 72.6 | 81.9 | 86.5 | 88.1 | 89.2 | 89.8 | 89.9 | 90.2 | 90.4 | 90.5 | 90.7 | 90.7 | 90.8 | 90.9 |
| 05 1000 | 7.0 | 62.1 | 73.6 | 82.0 | 87.3 | 89.5 | 90.8 | 91.4 | 91.5 | 91.8 | 92.1 | 92.1 | 92.4 | 92.4 | 92.5 | 92.5 |
| 05 0800 | 7.0 | 62.3 | 73.9 | 82.4 | 88.4 | 90.1 | 91.4 | 92.0 | 92.1 | 92.4 | 92.7 | 92.8 | 93.0 | 93.0 | 93.0 | 93.1 |
| 05 0600 | 7.0 | 62.6 | 74.4 | 83.0 | 89.3 | 91.1 | 92.5 | 93.1 | 93.2 | 93.6 | 93.9 | 93.9 | 94.1 | 94.2 | 94.2 | 94.3 |
| 05 0400 | 7.0 | 62.6 | 74.6 | 83.2 | 89.5 | 91.4 | 92.8 | 93.5 | 93.6 | 94.0 | 94.2 | 94.3 | 94.5 | 94.5 | 94.6 | 94.7 |
| 05 0200 | 7.0 | 62.7 | 74.7 | 83.4 | 89.9 | 91.8 | 93.3 | 94.0 | 94.1 | 94.5 | 94.8 | 94.8 | 95.1 | 95.1 | 95.1 | 95.2 |
| 05 0000 | 7.0 | 62.7 | 74.8 | 83.7 | 90.3 | 92.3 | 93.9 | 94.5 | 94.5 | 95.1 | 95.4 | 95.4 | 95.6 | 95.7 | 95.7 | 95.8 |
| 05 2200 | 7.0 | 62.7 | 74.7 | 83.5 | 90.6 | 92.6 | 94.2 | 95.1 | 95.2 | 95.6 | 95.7 | 95.8 | 96.0 | 96.2 | 96.3 | 96.4 |
| 05 2000 | 7.0 | 62.8 | 75.0 | 84.0 | 90.9 | 93.1 | 94.9 | 95.4 | 96.1 | 96.5 | 96.9 | 97.0 | 97.2 | 97.3 | 97.3 | 97.4 |
| 05 1800 | 7.0 | 62.8 | 75.1 | 84.1 | 91.0 | 93.3 | 95.3 | 96.2 | 96.4 | 97.0 | 97.4 | 97.5 | 97.8 | 97.8 | 97.8 | 97.9 |
| 05 1600 | 7.0 | 62.8 | 75.1 | 84.2 | 91.1 | 93.5 | 95.5 | 96.7 | 96.9 | 97.5 | 98.0 | 98.0 | 98.5 | 98.5 | 98.5 | 98.6 |
| 05 1400 | 7.0 | 62.9 | 75.2 | 84.3 | 91.2 | 93.5 | 95.6 | 96.9 | 97.1 | 97.9 | 98.4 | 98.5 | 98.9 | 99.0 | 99.1 | 99.2 |
| 05 1200 | 7.0 | 62.9 | 75.2 | 84.3 | 91.2 | 93.5 | 95.6 | 96.9 | 97.1 | 97.9 | 98.5 | 98.6 | 99.1 | 99.1 | 99.4 | 99.7 |
| 05 1000 | 7.0 | 62.9 | 75.2 | 84.3 | 91.2 | 93.5 | 95.6 | 96.9 | 97.1 | 97.9 | 98.5 | 98.6 | 99.1 | 99.1 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(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 7/16 | GE 1/4 | GE 0 |
| NO CEIL | 2.9 | 37.8 | 42.9 | 47.4 | 50.4 | 51.5 | 52.4 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| GF 20000 | 2.9 | 42.7 | 49.2 | 55.2 | 59.7 | 60.3 | 61.4 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| GF 18000 | 2.9 | 42.7 | 49.2 | 55.2 | 59.7 | 60.3 | 61.4 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| GF 16000 | 2.9 | 42.7 | 49.2 | 55.2 | 59.7 | 60.3 | 61.4 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| GF 14000 | 2.9 | 42.7 | 49.2 | 55.2 | 59.7 | 60.3 | 61.4 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| GF 12000 | 2.9 | 43.0 | 49.7 | 55.6 | 59.1 | 60.8 | 61.8 | 62.0 | 62.7 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| GF 10000 | 2.9 | 47.5 | 54.7 | 61.4 | 65.3 | 67.1 | 68.8 | 69.0 | 69.7 | 69.0 | 69.7 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GF 9000 | 2.9 | 47.7 | 54.9 | 61.6 | 65.5 | 67.3 | 69.0 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| GF 8000 | 2.9 | 50.2 | 58.3 | 65.3 | 69.9 | 71.8 | 73.8 | 74.0 | 74.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GF 7000 | 2.9 | 51.8 | 59.5 | 66.3 | 71.3 | 72.3 | 74.2 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GF 6000 | 2.9 | 51.8 | 59.8 | 66.3 | 70.6 | 72.9 | 75.2 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GF 5000 | 2.9 | 51.1 | 59.1 | 66.7 | 71.0 | 73.2 | 75.5 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GF 4000 | 2.9 | 51.4 | 59.2 | 67.8 | 72.5 | 74.7 | 77.0 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GF 4000 | 3.1 | 53.2 | 61.9 | 70.4 | 75.1 | 77.5 | 79.9 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GF 3500 | 3.2 | 54.6 | 63.5 | 72.2 | 77.2 | 79.7 | 82.2 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GF 3000 | 3.2 | 55.3 | 65.7 | 74.3 | 79.7 | 82.3 | 85.2 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GF 2500 | 3.2 | 55.5 | 65.8 | 74.6 | 80.3 | 82.9 | 85.8 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GF 2000 | 3.2 | 57.3 | 66.8 | 75.6 | 81.3 | 83.9 | 86.8 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GF 1500 | 3.2 | 57.3 | 66.8 | 75.6 | 81.3 | 83.9 | 86.5 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GF 1500 | 3.2 | 58.0 | 67.5 | 76.3 | 82.2 | 84.7 | 87.6 | 88.0 | 88.7 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GF 1000 | 3.2 | 58.2 | 67.8 | 76.9 | 82.7 | 85.3 | 88.2 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GF 1000 | 3.2 | 58.4 | 68.2 | 77.5 | 83.9 | 86.7 | 89.7 | 90.1 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GF 1000 | 3.2 | 58.5 | 68.3 | 77.6 | 84.0 | 86.9 | 89.9 | 91.3 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GF 1000 | 3.2 | 58.6 | 68.5 | 78.0 | 84.5 | 87.5 | 91.0 | 91.4 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GF 1000 | 3.2 | 58.6 | 68.5 | 78.2 | 84.9 | 88.0 | 91.4 | 91.8 | 91.9 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GF 1000 | 3.2 | 58.6 | 68.7 | 78.5 | 85.3 | 88.3 | 91.7 | 92.2 | 92.3 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GF 1000 | 3.2 | 58.6 | 68.8 | 78.7 | 85.6 | 88.6 | 92.3 | 92.8 | 92.9 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GF 1000 | 3.2 | 58.7 | 69.0 | 79.1 | 86.1 | 89.4 | 92.7 | 94.2 | 94.3 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GF 1000 | 3.2 | 58.5 | 68.6 | 79.0 | 86.5 | 89.9 | 94.4 | 95.4 | 95.6 | 96.3 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 |
| GF 1000 | 3.2 | 58.9 | 69.7 | 79.3 | 86.8 | 90.2 | 94.7 | 96.5 | 96.7 | 97.1 | 97.4 | 97.4 | 97.5 | 97.5 | 97.6 | 97.7 |
| GF 1000 | 3.2 | 58.9 | 69.7 | 79.6 | 86.8 | 90.2 | 94.7 | 96.5 | 96.7 | 97.2 | 97.5 | 97.5 | 97.7 | 97.7 | 97.8 | 98.6 |

TOTAL NUMBER OF OBSERVATIONS: 222

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCCUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(1ST): 0300-0500

| CFILING 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 | 2.4 | 35.5 | 35.1 | 40.4 | 44.7 | 46.5 | 48.6 | 49.1 | 49.2 | 49.6 | 49.7 | 49.8 | 49.9 | 49.9 | 49.9 | 50.0 |
| GE 0000 | 2.4 | 35.1 | 40.2 | 46.7 | 51.4 | 53.3 | 56.0 | 56.8 | 56.9 | 57.3 | 57.5 | 57.6 | 57.7 | 57.7 | 57.7 | 58.0 |
| GE 0001 | 2.4 | 35.1 | 40.2 | 46.7 | 51.4 | 53.3 | 56.0 | 56.8 | 56.9 | 57.3 | 57.5 | 57.6 | 57.7 | 57.7 | 57.7 | 58.0 |
| GE 0002 | 2.4 | 35.1 | 40.2 | 46.7 | 51.4 | 53.3 | 56.0 | 56.8 | 56.9 | 57.3 | 57.5 | 57.6 | 57.7 | 57.7 | 57.7 | 58.0 |
| GE 0003 | 2.4 | 35.2 | 40.3 | 46.8 | 51.5 | 53.4 | 56.1 | 56.9 | 57.0 | 57.4 | 57.6 | 57.7 | 57.8 | 57.8 | 58.1 | |
| GE 0004 | 2.4 | 35.2 | 40.4 | 46.9 | 51.8 | 53.8 | 56.6 | 57.2 | 57.3 | 57.7 | 58.0 | 58.1 | 58.2 | 58.2 | 58.4 | |
| GE 0005 | 2.4 | 36.5 | 44.9 | 51.8 | 58.3 | 61.1 | 63.7 | 64.4 | 64.5 | 64.9 | 65.3 | 65.5 | 65.6 | 65.6 | 65.7 | 65.9 |
| GE 0006 | 2.4 | 36.6 | 45.1 | 51.9 | 58.1 | 60.2 | 63.9 | 64.5 | 64.6 | 65.1 | 65.4 | 65.6 | 65.7 | 65.7 | 65.8 | 66.0 |
| GE 0007 | 2.6 | 43.6 | 47.6 | 55.3 | 62.0 | 64.3 | 68.1 | 68.9 | 69.0 | 69.5 | 69.8 | 70.0 | 70.1 | 70.1 | 70.2 | 70.4 |
| GE 0008 | 2.6 | 43.6 | 47.7 | 55.0 | 62.5 | 64.7 | 68.6 | 69.4 | 69.5 | 69.9 | 70.2 | 70.4 | 70.5 | 70.5 | 70.6 | 70.9 |
| GE 0009 | 2.6 | 43.6 | 48.0 | 55.0 | 62.7 | 64.9 | 68.9 | 69.6 | 69.9 | 70.3 | 70.6 | 70.9 | 71.0 | 71.0 | 71.1 | 71.3 |
| GE 0010 | 2.6 | 41.3 | 48.8 | 56.7 | 63.5 | 65.6 | 69.7 | 70.9 | 71.0 | 71.4 | 71.7 | 71.9 | 72.0 | 72.0 | 72.2 | 72.4 |
| GE 0011 | 2.6 | 41.8 | 49.5 | 56.0 | 65.2 | 67.5 | 71.5 | 72.7 | 72.8 | 73.2 | 73.5 | 73.8 | 73.9 | 73.9 | 74.0 | 74.2 |
| GE 0012 | 2.6 | 42.4 | 50.1 | 58.7 | 65.9 | 68.6 | 72.6 | 73.8 | 73.9 | 74.4 | 74.7 | 74.9 | 75.1 | 75.1 | 75.2 | 75.4 |
| GE 0013 | 2.6 | 43.3 | 51.2 | 59.9 | 67.2 | 70.0 | 74.0 | 74.5 | 75.3 | 75.4 | 75.9 | 76.2 | 76.5 | 76.6 | 76.7 | 76.9 |
| GE 0014 | 2.7 | 44.4 | 53.5 | 61.0 | 69.7 | 72.9 | 77.0 | 78.6 | 78.7 | 79.2 | 79.6 | 79.8 | 79.9 | 79.9 | 80.0 | 80.2 |
| GE 0015 | 2.7 | 45.3 | 54.0 | 62.9 | 71.1 | 74.3 | 78.6 | 80.0 | 80.1 | 80.6 | 81.1 | 81.2 | 81.3 | 81.3 | 81.4 | 81.6 |
| GE 0016 | 2.7 | 45.5 | 54.2 | 63.2 | 71.6 | 74.9 | 79.4 | 81.1 | 81.2 | 81.7 | 82.0 | 82.3 | 82.4 | 82.4 | 82.5 | 82.7 |
| GE 0017 | 2.7 | 45.7 | 54.4 | 63.4 | 71.9 | 75.3 | 79.7 | 81.4 | 81.5 | 82.0 | 82.4 | 82.6 | 82.7 | 82.7 | 82.8 | 83.0 |
| GE 0018 | 2.7 | 46.9 | 55.7 | 64.3 | 73.4 | 76.8 | 81.4 | 83.1 | 83.2 | 83.8 | 84.1 | 84.3 | 84.4 | 84.4 | 84.5 | 84.7 |
| GE 0019 | 2.7 | 46.9 | 55.7 | 64.4 | 73.4 | 76.8 | 81.4 | 83.1 | 83.2 | 83.8 | 84.1 | 84.3 | 84.4 | 84.4 | 84.5 | 84.7 |
| GE 0020 | 2.7 | 46.9 | 56.0 | 65.5 | 74.1 | 77.6 | 82.3 | 84.1 | 84.2 | 84.7 | 85.1 | 85.3 | 85.4 | 85.4 | 85.5 | 85.7 |
| GE 0021 | 2.7 | 47.0 | 56.2 | 65.9 | 74.5 | 78.1 | 82.9 | 84.6 | 84.7 | 85.3 | 85.6 | 85.8 | 85.9 | 85.9 | 86.0 | 86.2 |
| GE 0022 | 2.7 | 47.1 | 56.2 | 66.1 | 74.8 | 78.4 | 83.1 | 85.1 | 85.2 | 85.8 | 86.2 | 86.5 | 86.7 | 86.7 | 86.8 | 87.0 |
| GE 0023 | 2.7 | 47.2 | 56.6 | 66.3 | 75.3 | 78.9 | 83.8 | 85.7 | 85.8 | 86.4 | 87.0 | 87.4 | 87.6 | 87.6 | 87.7 | 88.0 |
| GE 0024 | 2.7 | 47.2 | 56.6 | 66.3 | 75.5 | 79.6 | 84.4 | 86.4 | 86.9 | 87.6 | 88.1 | 88.3 | 88.5 | 88.5 | 88.6 | 88.8 |
| GE 0025 | 2.7 | 47.4 | 57.0 | 67.3 | 76.7 | 80.9 | 85.8 | 88.0 | 88.4 | 89.2 | 89.7 | 89.9 | 90.1 | 90.1 | 90.2 | 90.4 |
| GE 0026 | 2.7 | 47.5 | 57.0 | 67.7 | 77.1 | 81.9 | 87.0 | 89.8 | 89.9 | 91.1 | 91.6 | 91.8 | 92.0 | 92.0 | 92.2 | 92.4 |
| GE 0027 | 2.7 | 47.5 | 57.0 | 67.7 | 77.2 | 82.2 | 87.5 | 90.5 | 90.6 | 91.9 | 92.9 | 93.1 | 93.3 | 93.3 | 93.5 | 94.0 |
| GE 0028 | 2.7 | 47.5 | 57.0 | 67.7 | 77.3 | 82.4 | 87.7 | 91.1 | 91.3 | 92.6 | 94.6 | 94.8 | 95.3 | 95.3 | 95.8 | 96.9 |
| GE 0029 | 2.7 | 47.5 | 57.0 | 67.7 | 77.3 | 82.4 | 87.8 | 91.2 | 91.4 | 92.7 | 94.9 | 95.2 | 95.7 | 95.8 | 96.8 | 98.3 |
| GE 0030 | 2.7 | 47.5 | 57.0 | 67.7 | 77.3 | 82.4 | 87.8 | 91.2 | 91.4 | 92.7 | 94.9 | 95.2 | 95.7 | 95.8 | 97.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 251

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS (LST): 0600-0800

| CFILING 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 5/8 | GE 1/2 | GE 7/16 | GE 1/4 | GE 0 | |
| NO CLIL | 2.9 | 27.7 | 33.0 | 36.9 | 41.6 | 43.4 | 45.2 | 46.0 | 46.5 | 47.1 | 47.5 | 47.5 | 47.6 | 47.8 | 47.8 | 48.1 |
| GE 20000 | 3.1 | 31.8 | 37.6 | 42.2 | 47.6 | 49.9 | 52.2 | 53.1 | 53.5 | 54.4 | 54.9 | 54.9 | 55.1 | 55.3 | 55.3 | 55.5 |
| GE 18000 | 3.2 | 31.9 | 37.7 | 42.3 | 48.0 | 50.0 | 52.2 | 53.2 | 53.7 | 54.5 | 55.1 | 55.1 | 55.2 | 55.4 | 55.4 | 55.6 |
| GE 16000 | 3.2 | 31.9 | 37.7 | 42.3 | 48.0 | 50.0 | 52.2 | 53.2 | 53.7 | 54.5 | 55.1 | 55.1 | 55.2 | 55.4 | 55.4 | 55.6 |
| GE 14000 | 3.2 | 32.0 | 37.8 | 42.4 | 48.1 | 50.1 | 52.3 | 53.3 | 53.8 | 54.6 | 55.2 | 55.2 | 55.3 | 55.5 | 55.5 | 55.7 |
| GE 12000 | 3.2 | 32.4 | 38.2 | 43.0 | 49.1 | 51.3 | 53.4 | 54.5 | 54.9 | 55.8 | 56.3 | 56.3 | 56.5 | 56.7 | 56.7 | 56.9 |
| GE 10000 | 3.4 | 34.5 | 41.3 | 46.8 | 53.7 | 56.6 | 59.2 | 61.3 | 62.9 | 61.9 | 62.5 | 62.5 | 62.7 | 62.9 | 62.9 | 63.1 |
| GE 9000 | 3.4 | 34.9 | 41.7 | 47.2 | 54.1 | 57.1 | 59.6 | 61.9 | 61.4 | 62.4 | 62.7 | 63.0 | 63.2 | 63.4 | 63.4 | 63.7 |
| GE 8000 | 3.4 | 34.7 | 46.3 | 51.8 | 57.1 | 62.5 | 65.4 | 67.0 | 67.5 | 68.6 | 69.2 | 69.2 | 69.2 | 69.7 | 70.0 | 70.2 |
| GE 7000 | 3.4 | 39.1 | 46.5 | 52.5 | 59.8 | 63.1 | 66.0 | 67.6 | 68.2 | 69.2 | 69.9 | 69.9 | 70.3 | 70.6 | 70.6 | 70.9 |
| GE 6000 | 3.4 | 34.4 | 46.7 | 52.8 | 61.1 | 63.4 | 66.5 | 68.1 | 68.6 | 69.7 | 70.3 | 70.3 | 70.8 | 71.1 | 71.1 | 71.3 |
| GE 5000 | 3.5 | 40.2 | 47.7 | 54.1 | 61.4 | 64.7 | 68.2 | 69.6 | 71.1 | 71.4 | 72.0 | 72.5 | 72.5 | 72.8 | 72.8 | 73.0 |
| GE 4500 | 3.7 | 40.9 | 48.7 | 53.5 | 63.5 | 66.5 | 69.9 | 71.6 | 72.3 | 73.5 | 74.2 | 74.2 | 74.6 | 74.9 | 75.1 | 75.4 |
| GE 4000 | 3.7 | 41.4 | 49.4 | 56.2 | 64.1 | 67.6 | 71.2 | 73.1 | 73.8 | 75.2 | 75.8 | 75.8 | 76.2 | 76.6 | 76.7 | 77.0 |
| GE 3500 | 4.0 | 42.5 | 51.5 | 57.4 | 65.3 | 68.8 | 72.4 | 74.4 | 75.1 | 76.5 | 77.1 | 77.1 | 77.5 | 77.8 | 78.0 | 78.3 |
| GE 3000 | 4.1 | 43.1 | 51.7 | 58.7 | 66.9 | 70.6 | 74.2 | 75.6 | 77.4 | 78.8 | 79.6 | 79.6 | 80.1 | 80.4 | 80.5 | 80.9 |
| GE 2500 | 4.1 | 43.5 | 52.4 | 59.9 | 69.2 | 71.9 | 75.6 | 77.8 | 78.7 | 80.1 | 80.9 | 80.9 | 81.4 | 81.7 | 81.8 | 82.2 |
| GE 2000 | 4.2 | 44.1 | 52.9 | 60.6 | 69.7 | 72.8 | 76.6 | 78.8 | 79.7 | 81.1 | 81.7 | 81.8 | 82.4 | 82.7 | 82.8 | 83.1 |
| GE 1800 | 4.2 | 44.1 | 52.9 | 61.6 | 69.7 | 72.8 | 76.6 | 78.8 | 79.7 | 81.1 | 81.7 | 81.8 | 82.4 | 82.7 | 82.8 | 83.1 |
| GE 1600 | 4.2 | 44.2 | 53.5 | 61.5 | 71.2 | 74.1 | 78.2 | 80.6 | 81.5 | 82.5 | 82.7 | 83.7 | 84.7 | 84.5 | 84.6 | 84.9 |
| GE 1400 | 4.2 | 44.3 | 53.9 | 62.3 | 71.1 | 75.3 | 79.2 | 82.2 | 83.7 | 84.6 | 85.7 | 85.7 | 86.3 | 86.7 | 86.8 | 87.1 |
| GE 1200 | 4.2 | 44.3 | 54.2 | 62.6 | 71.5 | 75.7 | 79.8 | 82.7 | 83.5 | 85.2 | 86.3 | 86.3 | 87.0 | 87.3 | 87.4 | 87.7 |
| GE 1000 | 4.2 | 44.3 | 54.2 | 62.7 | 72.2 | 76.6 | 80.9 | 83.8 | 84.5 | 86.2 | 87.5 | 87.5 | 88.2 | 88.5 | 88.6 | 88.9 |
| GE 900 | 4.2 | 44.5 | 54.4 | 63.2 | 73.1 | 77.6 | 82.2 | 85.2 | 86.7 | 87.7 | 89.0 | 89.0 | 90.2 | 90.3 | 90.6 | 90.6 |
| GE 800 | 4.2 | 44.5 | 54.4 | 63.2 | 73.2 | 77.8 | 82.6 | 85.9 | 86.4 | 88.6 | 89.9 | 89.9 | 90.9 | 91.3 | 91.4 | 91.7 |
| GE 700 | 4.2 | 44.5 | 54.4 | 63.3 | 73.4 | 78.4 | 83.1 | 86.5 | 87.4 | 89.5 | 90.9 | 90.9 | 91.8 | 92.3 | 92.4 | 92.7 |
| GE 600 | 4.2 | 44.6 | 54.7 | 63.7 | 74.0 | 79.0 | 84.0 | 87.7 | 88.8 | 91.2 | 92.9 | 92.9 | 94.2 | 94.6 | 94.7 | 95.1 |
| GE 500 | 4.2 | 44.6 | 54.7 | 63.7 | 74.2 | 79.2 | 84.3 | 88.2 | 89.5 | 91.9 | 93.8 | 93.8 | 95.5 | 96.1 | 96.3 | 96.8 |
| GE 400 | 4.2 | 44.6 | 54.7 | 63.9 | 74.2 | 79.2 | 84.3 | 88.2 | 89.5 | 92.4 | 94.6 | 94.6 | 96.7 | 97.6 | 98.1 | 98.7 |
| GE 300 | 4.2 | 44.6 | 54.7 | 63.9 | 74.2 | 79.2 | 84.3 | 88.2 | 89.5 | 92.6 | 94.8 | 94.8 | 97.3 | 98.0 | 98.5 | 99.6 |
| GE 200 | 4.2 | 44.6 | 54.7 | 63.9 | 74.2 | 79.2 | 84.3 | 88.2 | 89.5 | 92.6 | 94.8 | 94.8 | 97.7 | 98.0 | 98.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH
 WSAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 724095 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(LOCAL): 0900-1100

| CEILING IN FEET | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 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 G | | |
| NO CEIL | 1 | 54.1 | 39.6 | 44.4 | 47.1 | 49.8 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| GE 20000 | 1 | 54.4 | 47.3 | 49.5 | 52.9 | 56.6 | 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 |
| GE 18000 | 1 | 54.5 | 47.4 | 49.6 | 53.0 | 56.7 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 16000 | 1 | 54.6 | 47.4 | 49.6 | 53.0 | 56.7 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 14000 | 1 | 54.6 | 47.4 | 49.6 | 53.2 | 56.9 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| GE 12000 | 1 | 54.6 | 44.4 | 50.6 | 54.2 | 57.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 10000 | 1 | 54.7 | 47.8 | 54.8 | 59.2 | 63.1 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 9000 | 1 | 54.7 | 47.8 | 54.8 | 59.2 | 63.1 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 8000 | 1 | 54.8 | 50.5 | 53.2 | 63.3 | 67.3 | 68.4 | 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 7000 | 1 | 54.8 | 51.2 | 59.0 | 64.1 | 68.5 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 6000 | 1 | 54.8 | 51.7 | 59.7 | 64.7 | 69.2 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 5000 | 1 | 54.9 | 52.8 | 61.0 | 66.0 | 70.5 | 71.6 | 71.7 | 71.7 | 71.7 | 71.6 | 71.9 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| GE 4500 | 1 | 64.1 | 53.9 | 62.2 | 67.3 | 71.9 | 73.0 | 73.1 | 73.1 | 73.1 | 73.2 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 4000 | 1 | 64.3 | 54.8 | 63.4 | 69.1 | 74.2 | 75.4 | 75.5 | 75.5 | 75.5 | 75.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 3500 | 1 | 64.6 | 56.0 | 64.6 | 70.6 | 76.5 | 76.5 | 78.1 | 78.1 | 78.1 | 78.2 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 3000 | 1 | 64.9 | 59.0 | 64.5 | 75.2 | 81.6 | 83.3 | 83.5 | 83.5 | 83.5 | 83.6 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 2500 | 1 | 64.9 | 60.5 | 70.6 | 77.6 | 84.3 | 86.1 | 86.3 | 86.5 | 86.5 | 86.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 2000 | 1 | 64.9 | 61.7 | 72.7 | 79.6 | 86.5 | 88.7 | 89.1 | 89.2 | 89.2 | 89.5 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 1800 | 1 | 64.9 | 61.8 | 72.4 | 79.8 | 86.7 | 88.9 | 89.4 | 89.5 | 89.5 | 89.7 | 90.7 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 1600 | 1 | 64.9 | 62.4 | 73.4 | 80.9 | 88.1 | 90.0 | 91.4 | 91.5 | 91.5 | 91.9 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 1400 | 1 | 64.9 | 62.6 | 73.6 | 81.7 | 89.1 | 91.8 | 92.7 | 92.8 | 92.8 | 93.1 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 1200 | 1 | 64.9 | 63.0 | 74.5 | 82.8 | 90.6 | 93.3 | 94.5 | 94.6 | 94.6 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 1000 | 1 | 64.9 | 63.1 | 74.6 | 83.0 | 91.1 | 93.8 | 95.1 | 95.2 | 95.2 | 95.7 | 96.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 900 | 1 | 64.9 | 63.1 | 74.7 | 83.7 | 91.7 | 94.5 | 95.8 | 95.9 | 95.9 | 96.5 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 800 | 1 | 64.9 | 63.1 | 74.7 | 83.9 | 91.9 | 94.8 | 96.1 | 96.3 | 96.3 | 96.9 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 700 | 1 | 64.9 | 63.1 | 74.7 | 84.3 | 92.2 | 95.2 | 96.5 | 97.0 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 600 | 1 | 64.9 | 63.2 | 74.9 | 84.4 | 92.3 | 95.4 | 96.8 | 97.4 | 97.4 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 500 | 1 | 64.9 | 63.3 | 74.9 | 84.2 | 92.5 | 95.6 | 97.0 | 97.0 | 97.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 400 | 1 | 64.9 | 63.3 | 74.9 | 84.2 | 92.5 | 95.7 | 97.1 | 97.1 | 97.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 300 | 1 | 64.9 | 63.3 | 74.9 | 84.2 | 92.5 | 95.7 | 97.1 | 97.1 | 97.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 200 | 1 | 64.9 | 63.3 | 74.9 | 84.2 | 92.5 | 95.7 | 97.1 | 97.1 | 97.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 100 | 1 | 64.9 | 63.3 | 74.9 | 84.2 | 92.5 | 95.7 | 97.1 | 97.1 | 97.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 0 | 1 | 64.9 | 63.3 | 74.9 | 84.2 | 92.5 | 95.7 | 97.1 | 97.1 | 97.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |

TOTAL NUMBER OF OBSERVATIONS: 230

77

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1500-1700

| 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 7/8 | GE 5/8 | GE 1/2 | GE 3/16 | GE 1/4 | GE 0 |
| NO CEIL | 5.9 | 77.8 | 41.9 | 43.7 | 45.7 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| GE 2000 | 7.2 | 47.7 | 53.9 | 56.0 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 1800 | 7.2 | 47.7 | 53.9 | 56.0 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 1600 | 7.2 | 47.7 | 53.9 | 56.0 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 1400 | 7.2 | 47.7 | 53.9 | 56.0 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 1200 | 7.2 | 47.7 | 53.9 | 56.0 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 1000 | 7.4 | 52.5 | 59.9 | 62.6 | 65.5 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 900 | 7.4 | 52.6 | 60.0 | 62.7 | 65.6 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 800 | 7.4 | 55.3 | 53.1 | 66.7 | 70.0 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| GE 700 | 7.6 | 56.2 | 64.1 | 68.1 | 71.4 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 600 | 8.0 | 56.7 | 64.9 | 69.0 | 72.4 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 500 | 8.3 | 56.2 | 66.5 | 70.9 | 74.2 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 400 | 8.4 | 58.9 | 67.5 | 72.4 | 75.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 300 | 8.5 | 61.1 | 69.9 | 74.9 | 79.0 | 80.0 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 200 | 9.9 | 63.8 | 73.0 | 78.5 | 83.2 | 84.3 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 100 | 9.1 | 66.8 | 77.4 | 83.8 | 89.1 | 90.4 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 2000 | 9.1 | 67.7 | 78.9 | 85.6 | 91.3 | 92.6 | 93.1 | 93.2 | 93.2 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.5 | 93.5 |
| GE 1800 | 9.1 | 68.4 | 80.1 | 87.3 | 93.3 | 94.6 | 95.0 | 95.3 | 95.3 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 |
| GE 1600 | 9.1 | 68.4 | 80.2 | 87.4 | 93.4 | 94.7 | 95.3 | 95.4 | 95.4 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 |
| GE 1400 | 9.1 | 68.5 | 81.3 | 87.7 | 93.8 | 95.1 | 95.9 | 96.1 | 96.1 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 |
| GE 1200 | 9.1 | 68.7 | 80.6 | 88.1 | 94.1 | 95.6 | 96.6 | 96.8 | 96.8 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 |
| GE 1000 | 9.1 | 68.7 | 80.8 | 88.6 | 94.6 | 96.3 | 97.4 | 97.6 | 97.6 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 |
| GE 900 | 9.1 | 68.7 | 80.9 | 88.7 | 94.8 | 96.6 | 97.6 | 97.8 | 97.8 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 |
| GE 800 | 9.1 | 68.7 | 80.9 | 88.8 | 94.9 | 96.7 | 97.7 | 98.0 | 98.0 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 |
| GE 700 | 9.1 | 68.7 | 81.1 | 89.0 | 95.2 | 96.9 | 98.0 | 98.3 | 98.3 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 |
| GE 600 | 9.1 | 68.8 | 81.2 | 89.1 | 95.4 | 97.1 | 98.2 | 98.6 | 98.6 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 |
| GE 500 | 9.1 | 68.8 | 81.3 | 89.2 | 95.6 | 97.3 | 98.5 | 99.0 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| GE 400 | 9.1 | 68.8 | 81.3 | 89.2 | 95.6 | 97.3 | 98.5 | 99.2 | 99.2 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 300 | 9.1 | 68.8 | 81.3 | 89.2 | 95.6 | 97.3 | 98.5 | 99.2 | 99.2 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 200 | 9.1 | 68.8 | 81.3 | 89.2 | 95.6 | 97.3 | 98.5 | 99.2 | 99.2 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 100 | 9.1 | 68.8 | 81.3 | 89.2 | 95.6 | 97.3 | 98.5 | 99.2 | 99.2 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 0 | 9.1 | 68.8 | 81.3 | 89.2 | 95.6 | 97.3 | 98.5 | 99.2 | 99.2 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH
 WAFB/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 74996 STATION NAME: MCCUIRE AFB TX

PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|-------|------|------|
| | 1 | 1/2 | 3/8 | 1/4 | 1/8 | 3/16 | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/2 | 3 | 4 |
| NO CEIL | 5.8 | 40.9 | 45.8 | 46.6 | 51.5 | 62.0 | 52.2 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| GE 2000 | 6.8 | 49.6 | 56.7 | 60.4 | 63.5 | 64.4 | 64.7 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GF 1800 | 6.8 | 49.6 | 56.7 | 60.5 | 63.7 | 64.5 | 64.8 | 64.8 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| GF 1600 | 6.8 | 49.6 | 56.7 | 60.5 | 63.7 | 64.5 | 64.8 | 64.8 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| GF 1400 | 6.8 | 49.9 | 57.1 | 61.3 | 64.1 | 64.9 | 65.3 | 65.5 | 65.5 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 1200 | 6.8 | 51.3 | 58.6 | 62.5 | 65.6 | 66.5 | 66.6 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 1000 | 7.3 | 55.1 | 63.9 | 68.2 | 71.6 | 72.5 | 72.8 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| GE 900 | 7.3 | 55.1 | 63.9 | 68.2 | 71.7 | 72.6 | 72.9 | 73.1 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 800 | 7.3 | 57.7 | 66.9 | 71.9 | 75.8 | 76.9 | 77.4 | 77.6 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GF 700 | 7.3 | 58.7 | 67.8 | 72.7 | 76.8 | 78.0 | 78.5 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| GE 600 | 7.3 | 59.4 | 68.5 | 73.7 | 77.5 | 78.6 | 79.5 | 79.7 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 500 | 7.5 | 60.9 | 70.0 | 75.3 | 79.4 | 80.6 | 81.3 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 450 | 7.5 | 61.6 | 71.0 | 76.6 | 81.2 | 82.5 | 83.2 | 83.4 | 83.4 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GF 400 | 7.6 | 62.7 | 73.2 | 79.3 | 84.0 | 85.3 | 86.0 | 86.2 | 86.2 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GF 350 | 7.6 | 64.8 | 74.9 | 81.8 | 86.2 | 87.3 | 88.1 | 88.3 | 88.3 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 300 | 7.6 | 66.3 | 77.1 | 83.2 | 87.4 | 88.6 | 91.6 | 92.2 | 92.2 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GF 250 | 7.6 | 67.0 | 77.8 | 84.2 | 88.3 | 91.7 | 93.1 | 93.9 | 93.9 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 200 | 7.6 | 67.3 | 78.2 | 84.5 | 88.6 | 92.0 | 93.7 | 94.4 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GF 180 | 7.6 | 67.3 | 78.2 | 84.5 | 88.6 | 92.0 | 93.7 | 94.4 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GF 160 | 7.6 | 67.3 | 78.2 | 84.7 | 91.1 | 92.7 | 94.2 | 95.1 | 95.1 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GF 140 | 7.6 | 67.3 | 78.3 | 84.9 | 91.2 | 93.0 | 94.5 | 95.5 | 95.5 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GF 120 | 7.6 | 67.5 | 78.4 | 85.3 | 91.5 | 93.7 | 95.3 | 96.3 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GF 100 | 7.6 | 67.5 | 78.5 | 85.3 | 91.6 | 93.8 | 95.4 | 96.5 | 96.5 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GF 80 | 7.6 | 67.8 | 78.5 | 85.6 | 92.2 | 94.4 | 96.0 | 97.1 | 97.1 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GF 60 | 7.6 | 68.0 | 79.0 | 85.7 | 92.4 | 94.8 | 96.6 | 97.6 | 97.6 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GF 40 | 7.6 | 68.1 | 79.1 | 85.8 | 92.5 | 94.9 | 96.6 | 97.6 | 98.0 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GF 20 | 7.6 | 68.2 | 79.2 | 85.9 | 92.7 | 95.2 | 96.9 | 98.3 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GF 10 | 7.6 | 68.2 | 79.2 | 85.9 | 92.8 | 95.3 | 97.0 | 98.6 | 98.6 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GF 5 | 7.6 | 68.2 | 79.2 | 85.9 | 92.8 | 95.3 | 97.0 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GF 2 | 7.6 | 68.2 | 79.2 | 85.9 | 92.8 | 95.3 | 97.0 | 98.6 | 98.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GF 1 | 7.6 | 68.2 | 79.2 | 85.9 | 92.8 | 95.3 | 97.0 | 98.6 | 98.6 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GF 0 | 7.6 | 68.2 | 79.2 | 85.9 | 92.8 | 95.3 | 97.0 | 98.6 | 98.6 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704096 STATION NAME: MCGUIFF AFB NJ

PERIOD OF RECORD: 77-86
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 | GE 1 1/2 | GE 1 | GE 3/4 | GE 1/2 | GE 1/4 | GE 1/8 | GE 1/16 | GE 1/4 | GE 0 | |
| NO CEIL | 4.7 | 43.2 | 49.5 | 53.2 | 55.2 | 55.9 | 55.9 | 55.9 | 55.9 | 56.0 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| GE 2000 | 4.9 | 49.4 | 57.4 | 62.6 | 64.9 | 66.2 | 66.3 | 66.3 | 66.3 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 1800 | 4.9 | 49.4 | 57.4 | 62.6 | 64.9 | 66.2 | 66.3 | 66.3 | 66.3 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 1600 | 4.9 | 49.4 | 57.4 | 62.6 | 64.9 | 66.2 | 66.3 | 66.3 | 66.3 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 1400 | 4.9 | 49.6 | 57.6 | 62.8 | 65.2 | 66.5 | 66.6 | 66.6 | 66.6 | 66.7 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| GE 1200 | 4.9 | 52.4 | 58.5 | 63.8 | 66.1 | 67.4 | 67.5 | 67.5 | 67.5 | 67.6 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 1000 | 5.2 | 54.7 | 62.3 | 69.2 | 72.3 | 73.7 | 73.8 | 73.8 | 73.8 | 73.9 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| GE 900 | 5.2 | 54.9 | 62.5 | 69.5 | 72.5 | 73.9 | 74.0 | 74.0 | 74.0 | 74.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 800 | 5.2 | 56.7 | 66.1 | 72.0 | 76.7 | 78.1 | 78.4 | 78.4 | 78.4 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE 700 | 5.2 | 57.2 | 66.7 | 73.5 | 77.3 | 78.7 | 79.0 | 79.0 | 79.0 | 79.1 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 600 | 5.2 | 57.5 | 67.0 | 74.0 | 77.8 | 79.2 | 79.7 | 79.7 | 79.7 | 79.8 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| GE 500 | 5.2 | 58.4 | 68.0 | 75.2 | 79.1 | 80.5 | 81.1 | 81.1 | 81.1 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GE 400 | 5.2 | 59.1 | 68.9 | 76.2 | 80.2 | 81.6 | 82.3 | 82.3 | 82.3 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 300 | 5.2 | 61.3 | 71.2 | 79.1 | 83.4 | 84.9 | 85.6 | 85.6 | 85.6 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 200 | 5.2 | 62.0 | 72.4 | 80.8 | 85.3 | 86.8 | 87.4 | 87.4 | 87.4 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 100 | 5.2 | 62.7 | 73.3 | 82.3 | 87.5 | 89.0 | 89.8 | 89.8 | 89.8 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 50 | 5.2 | 62.9 | 73.7 | 82.6 | 87.9 | 89.4 | 90.5 | 90.6 | 90.6 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 40 | 5.2 | 63.1 | 73.9 | 82.8 | 88.2 | 89.7 | 91.0 | 91.1 | 91.1 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 30 | 5.2 | 63.1 | 73.9 | 82.8 | 88.2 | 89.7 | 91.0 | 91.1 | 91.1 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 20 | 5.2 | 63.1 | 74.0 | 83.0 | 88.5 | 90.0 | 91.5 | 91.6 | 91.6 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 10 | 5.2 | 63.2 | 74.1 | 83.2 | 88.7 | 90.3 | 91.8 | 91.9 | 91.9 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 5 | 5.2 | 63.5 | 74.7 | 84.1 | 89.5 | 91.1 | 92.7 | 92.8 | 92.8 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 4 | 5.2 | 63.5 | 75.1 | 84.5 | 90.1 | 91.8 | 93.4 | 93.5 | 93.5 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 3 | 5.2 | 64.2 | 75.5 | 84.9 | 90.6 | 92.6 | 94.3 | 94.4 | 94.4 | 94.5 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 2 | 5.2 | 64.3 | 75.8 | 85.3 | 91.4 | 93.3 | 95.1 | 95.2 | 95.2 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 1 | 5.2 | 64.4 | 75.9 | 85.4 | 91.5 | 93.4 | 95.5 | 95.6 | 95.6 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 0.5 | 5.2 | 64.5 | 76.2 | 85.9 | 92.3 | 94.3 | 96.5 | 96.7 | 96.7 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 0.4 | 5.2 | 64.7 | 76.5 | 86.1 | 92.6 | 94.7 | 97.3 | 97.7 | 97.7 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 0.3 | 5.2 | 64.7 | 76.5 | 86.1 | 92.6 | 94.7 | 97.4 | 98.1 | 98.1 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 0.2 | 5.2 | 64.7 | 76.5 | 86.1 | 92.7 | 94.9 | 97.8 | 98.6 | 98.6 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 0.1 | 5.2 | 64.7 | 76.5 | 86.1 | 92.7 | 94.9 | 97.8 | 98.6 | 98.6 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 0 | 5.2 | 64.7 | 76.5 | 86.1 | 92.7 | 94.9 | 97.8 | 98.6 | 98.6 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 230

CLIMATE CLIMATOLOGY BRANCH
USAF/TIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744096 STATION NAME: MCODINE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(EST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| | 1 | 1/8 | 1/4 | 1/2 | 3/4 | 1 | 1 1/8 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/8 | 2 1/4 | 2 1/2 | 2 3/4 | 3 |
| 5000 | 4.7 | 38.9 | 41.8 | 43.2 | 49.1 | 48.9 | 47.5 | 47.8 | 49.3 | 50.0 | 57.1 | 57.1 | 50.1 | 50.1 | 50.1 | 50.2 |
| GE 3000 | 4.9 | 42.9 | 49.4 | 53.7 | 57.3 | 58.5 | 59.7 | 59.5 | 59.6 | 59.8 | 59.9 | 59.9 | 59.9 | 60.0 | 67.0 | 60.0 |
| GE 1600 | 4.9 | 43.0 | 49.4 | 53.3 | 57.3 | 58.5 | 59.7 | 59.5 | 59.7 | 59.8 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 60.1 |
| GE 1400 | 4.9 | 43.1 | 49.6 | 53.3 | 57.6 | 58.7 | 59.5 | 59.8 | 59.9 | 60.1 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 60.3 |
| GE 1200 | 4.9 | 43.8 | 51.5 | 55.0 | 53.6 | 59.8 | 67.6 | 67.9 | 67.9 | 61.1 | 61.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.4 |
| GE 1000 | 5.0 | 47.4 | 54.9 | 59.9 | 64.0 | 65.4 | 66.4 | 66.7 | 66.8 | 67.0 | 67.2 | 67.2 | 67.2 | 67.2 | 67.3 | 67.3 |
| GE 900 | 5.0 | 47.5 | 55.0 | 60.1 | 64.2 | 65.6 | 66.6 | 66.9 | 67.0 | 67.2 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.5 |
| GE 800 | 5.1 | 51.1 | 58.2 | 63.9 | 68.4 | 69.9 | 71.1 | 71.5 | 71.6 | 71.8 | 71.9 | 72.0 | 72.0 | 72.1 | 72.1 | 72.1 |
| GE 700 | 5.1 | 53.6 | 58.7 | 64.6 | 69.2 | 70.8 | 71.9 | 72.3 | 72.4 | 72.6 | 72.7 | 72.8 | 72.9 | 72.9 | 72.9 | 73.0 |
| GE 600 | 5.2 | 53.9 | 57.2 | 63.1 | 69.8 | 71.3 | 72.6 | 73.0 | 73.1 | 73.3 | 73.5 | 73.5 | 73.5 | 73.6 | 73.6 | 73.7 |
| GE 500 | 5.3 | 52.0 | 60.3 | 66.4 | 71.1 | 72.7 | 74.2 | 74.4 | 74.5 | 74.8 | 74.9 | 74.9 | 75.0 | 75.0 | 75.1 | 75.1 |
| GE 400 | 5.4 | 57.8 | 61.3 | 67.7 | 72.0 | 74.2 | 75.6 | 75.1 | 76.2 | 76.4 | 76.6 | 76.6 | 76.7 | 76.7 | 76.8 | 76.8 |
| GE 300 | 5.5 | 54.3 | 63.0 | 67.5 | 75.0 | 76.8 | 78.3 | 78.7 | 78.4 | 79.1 | 79.7 | 79.3 | 79.4 | 79.4 | 79.4 | 79.5 |
| GE 200 | 5.7 | 55.8 | 64.3 | 71.9 | 77.5 | 79.4 | 80.8 | 81.5 | 81.4 | 81.7 | 81.9 | 81.9 | 82.0 | 82.0 | 82.1 | 82.1 |
| GE 100 | 5.9 | 54.0 | 67.7 | 75.2 | 81.6 | 83.6 | 85.3 | 85.7 | 86.7 | 86.3 | 86.5 | 86.6 | 86.7 | 86.7 | 86.7 | 86.8 |
| GE 2500 | 5.9 | 54.8 | 68.9 | 76.6 | 83.1 | 85.2 | 87.0 | 87.6 | 87.7 | 88.1 | 88.1 | 88.3 | 88.4 | 88.5 | 88.5 | 88.6 |
| GE 2000 | 5.9 | 59.5 | 67.7 | 77.0 | 84.4 | 86.5 | 88.4 | 89.1 | 89.2 | 89.5 | 89.5 | 89.8 | 89.9 | 89.9 | 90.0 | 90.1 |
| GE 1800 | 5.9 | 59.5 | 69.7 | 77.7 | 84.5 | 86.6 | 88.5 | 89.2 | 89.3 | 89.6 | 89.7 | 89.9 | 89.9 | 90.0 | 90.1 | 90.1 |
| GE 1500 | 5.9 | 59.9 | 77.3 | 74.4 | 85.3 | 87.5 | 89.5 | 90.2 | 90.3 | 90.7 | 91.0 | 91.0 | 91.1 | 91.2 | 91.2 | 91.3 |
| GE 1000 | 5.9 | 63.0 | 73.6 | 74.9 | 85.7 | 88.0 | 90.1 | 90.8 | 91.7 | 91.4 | 91.6 | 91.7 | 91.8 | 91.8 | 91.9 | 91.9 |
| GE 1000 | 5.9 | 63.2 | 79.9 | 79.4 | 86.5 | 89.0 | 91.1 | 92.0 | 92.0 | 92.6 | 92.9 | 92.9 | 93.1 | 93.1 | 93.1 | 93.2 |
| GE 900 | 5.9 | 63.3 | 71.1 | 79.6 | 86.8 | 89.3 | 91.5 | 92.4 | 92.5 | 93.0 | 93.2 | 93.3 | 93.5 | 93.5 | 93.6 | 93.7 |
| GE 800 | 5.9 | 63.4 | 71.3 | 79.9 | 87.3 | 89.9 | 92.2 | 93.0 | 93.2 | 93.7 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.4 |
| GE 700 | 5.9 | 63.5 | 71.4 | 80.1 | 87.6 | 90.3 | 92.7 | 93.6 | 93.8 | 94.4 | 94.7 | 94.7 | 94.9 | 95.0 | 95.0 | 95.1 |
| GE 600 | 5.9 | 63.6 | 71.5 | 80.3 | 87.8 | 90.6 | 93.0 | 94.1 | 94.3 | 94.9 | 95.3 | 95.3 | 95.5 | 95.6 | 95.6 | 95.7 |
| GE 500 | 5.9 | 63.6 | 71.7 | 81.6 | 88.2 | 91.1 | 93.6 | 94.8 | 95.0 | 95.6 | 96.0 | 96.0 | 96.2 | 96.3 | 96.3 | 96.4 |
| GE 400 | 5.9 | 63.7 | 71.9 | 81.7 | 88.5 | 91.5 | 94.0 | 95.6 | 95.8 | 96.5 | 97.0 | 97.0 | 97.2 | 97.3 | 97.4 | 97.4 |
| GE 300 | 5.9 | 63.7 | 71.9 | 81.8 | 88.6 | 91.6 | 94.4 | 95.9 | 96.2 | 97.0 | 97.6 | 97.6 | 97.9 | 98.0 | 98.1 | 98.2 |
| GE 200 | 5.9 | 63.7 | 71.9 | 82.8 | 88.7 | 91.7 | 94.6 | 96.2 | 96.4 | 97.4 | 98.1 | 98.1 | 98.5 | 98.7 | 98.9 | 99.1 |
| GE 100 | 5.9 | 63.7 | 71.9 | 82.8 | 88.7 | 91.7 | 94.6 | 96.2 | 96.5 | 97.4 | 98.2 | 98.2 | 98.7 | 98.8 | 99.1 | 99.6 |
| GE 100 | 5.9 | 60.7 | 71.9 | 81.9 | 88.7 | 91.7 | 94.6 | 96.2 | 96.5 | 97.4 | 98.2 | 98.2 | 98.7 | 98.8 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7440

LOCAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUINN AFB TX

PERIOD OF RECORD: 77-84
 MONTH: SEP HOURS(IST): 0000-0200

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|------|------|------|-------|-------|------|------|------|------|------|------|-------|
| | 1 | 1/2 | 3/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 7/16 | 1/4 | 0 |
| NO CEIL | 7.7 | 47.0 | 53.3 | 55.6 | 57.1 | 57.6 | 58.6 | 59.8 | 59.9 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| CE 2000 | 7.1 | 49.6 | 56.9 | 59.3 | 61.2 | 61.9 | 62.8 | 63.0 | 63.1 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| CE 1800 | 7.1 | 49.6 | 56.9 | 59.3 | 61.2 | 61.9 | 62.8 | 63.0 | 63.1 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| CE 1600 | 7.1 | 49.6 | 56.9 | 59.3 | 61.2 | 61.9 | 62.8 | 63.0 | 63.1 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| CE 1400 | 7.1 | 49.6 | 56.9 | 59.3 | 61.2 | 61.9 | 62.8 | 63.0 | 63.1 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| CE 1200 | 7.1 | 50.3 | 57.6 | 60.6 | 62.9 | 63.1 | 64.0 | 64.2 | 64.3 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| CE 1000 | 7.1 | 52.9 | 61.1 | 64.3 | 66.6 | 67.2 | 68.1 | 68.3 | 68.4 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| CE 900 | 7.1 | 52.9 | 61.1 | 64.3 | 66.6 | 67.2 | 68.1 | 68.3 | 68.4 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| CE 800 | 7.1 | 56.7 | 64.4 | 68.1 | 70.4 | 71.1 | 72.0 | 72.2 | 72.3 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| CE 700 | 7.1 | 56.0 | 64.7 | 68.4 | 70.6 | 71.4 | 72.3 | 72.6 | 72.7 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| CE 600 | 7.1 | 56.1 | 64.9 | 68.6 | 70.9 | 71.6 | 72.4 | 72.7 | 72.8 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| CE 500 | 7.1 | 57.3 | 66.1 | 69.6 | 72.1 | 72.9 | 73.5 | 74.0 | 74.1 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| CE 450 | 7.1 | 59.2 | 68.7 | 72.1 | 74.4 | 75.2 | 76.1 | 76.3 | 76.4 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| CE 400 | 7.1 | 61.0 | 69.2 | 73.0 | 75.4 | 76.3 | 77.2 | 77.4 | 77.6 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| CE 350 | 7.1 | 61.2 | 70.8 | 74.0 | 77.0 | 77.9 | 78.8 | 79.2 | 79.3 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| CE 300 | 7.1 | 63.3 | 73.0 | 77.4 | 80.8 | 81.7 | 82.6 | 83.0 | 83.1 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| CE 250 | 7.1 | 64.9 | 75.0 | 79.8 | 83.6 | 83.9 | 84.8 | 85.2 | 85.3 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| CE 200 | 7.1 | 66.0 | 76.0 | 81.4 | 85.2 | 86.4 | 87.4 | 87.9 | 88.0 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| CE 180 | 7.1 | 66.1 | 76.8 | 81.7 | 85.4 | 86.7 | 87.7 | 88.1 | 88.2 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| CE 160 | 7.1 | 66.7 | 77.7 | 82.7 | 86.6 | 87.8 | 88.8 | 89.2 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| CE 140 | 7.1 | 66.9 | 77.4 | 82.9 | 87.1 | 88.4 | 89.4 | 89.9 | 90.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| CE 120 | 7.1 | 67.0 | 78.3 | 83.6 | 87.5 | 89.3 | 90.3 | 90.8 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| CE 100 | 7.1 | 67.2 | 78.6 | 83.8 | 88.1 | 89.6 | 90.5 | 91.0 | 91.1 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| CE 900 | 7.1 | 67.2 | 78.7 | 84.3 | 88.8 | 90.2 | 91.3 | 91.9 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| CE 800 | 7.1 | 67.2 | 78.7 | 84.3 | 89.0 | 90.4 | 91.6 | 92.2 | 92.3 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| CE 700 | 7.1 | 67.3 | 79.0 | 84.8 | 89.8 | 91.2 | 92.4 | 93.3 | 93.4 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| CE 600 | 7.1 | 67.3 | 79.1 | 85.1 | 90.4 | 92.1 | 93.3 | 94.2 | 94.3 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| CE 500 | 7.1 | 67.3 | 79.1 | 85.6 | 90.9 | 92.7 | 94.2 | 95.2 | 95.4 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| CE 400 | 7.1 | 67.3 | 79.1 | 85.6 | 91.9 | 92.9 | 94.9 | 96.1 | 96.3 | 97.2 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| CE 300 | 7.1 | 67.3 | 79.0 | 85.6 | 91.0 | 93.0 | 95.2 | 96.3 | 96.7 | 98.0 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| CE 200 | 7.1 | 67.3 | 79.0 | 85.6 | 91.0 | 93.0 | 95.2 | 96.3 | 96.7 | 98.0 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| CE 100 | 7.1 | 67.3 | 79.1 | 85.6 | 91.1 | 93.0 | 95.2 | 96.3 | 96.7 | 98.2 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

FEDERAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72090 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 0300-0500

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|---|
| | 1 | 1/2 | 3/4 | 1 | 1/2 | 3/4 | 1 | 1/2 | 3/4 | 1 | 1/2 | 3/4 | 1 | 1/2 | 3/4 | 1 | 1/2 | 3/4 | 1 |
| NO CEIL | 6.7 | 42.0 | 46.9 | 51.4 | 54.9 | 57.7 | 58.8 | 57.4 | 57.6 | 58.0 | 58.1 | 58.1 | 58.3 | 58.3 | 58.3 | 58.4 | | | |
| 10000 | 6.0 | 43.6 | 49.0 | 54.0 | 57.7 | 58.7 | 59.8 | 60.8 | 60.9 | 61.3 | 61.4 | 61.7 | 61.9 | 61.9 | 62.0 | 62.1 | | | |
| 16000 | 6.0 | 43.6 | 49.0 | 54.0 | 57.7 | 58.7 | 59.8 | 60.8 | 60.9 | 61.3 | 61.4 | 61.7 | 61.9 | 61.9 | 62.0 | 62.1 | | | |
| 18000 | 6.0 | 43.6 | 49.0 | 54.0 | 57.7 | 58.7 | 59.8 | 60.8 | 60.9 | 61.3 | 61.4 | 61.7 | 61.9 | 61.9 | 62.0 | 62.1 | | | |
| 20000 | 6.0 | 43.7 | 49.1 | 54.1 | 58.0 | 59.0 | 60.1 | 61.2 | 61.3 | 61.6 | 61.9 | 62.1 | 62.3 | 62.3 | 62.4 | 62.6 | | | |
| 22000 | 6.0 | 46.1 | 51.7 | 57.1 | 61.4 | 62.4 | 63.6 | 64.7 | 64.8 | 65.2 | 65.3 | 65.6 | 65.6 | 65.6 | 65.9 | 66.0 | | | |
| 24000 | 6.0 | 46.1 | 51.7 | 57.1 | 61.4 | 62.4 | 63.6 | 64.7 | 64.8 | 65.2 | 65.3 | 65.6 | 65.6 | 65.6 | 65.9 | 66.0 | | | |
| 26000 | 6.1 | 46.3 | 54.8 | 60.3 | 64.7 | 65.7 | 66.8 | 67.9 | 68.0 | 68.6 | 68.7 | 68.9 | 69.1 | 69.1 | 69.2 | 69.3 | | | |
| 28000 | 6.1 | 46.9 | 55.3 | 61.9 | 65.2 | 66.2 | 67.3 | 68.4 | 68.6 | 69.1 | 69.2 | 69.4 | 69.7 | 69.7 | 69.8 | 69.9 | | | |
| 30000 | 6.1 | 49.0 | 55.4 | 61.0 | 65.3 | 66.3 | 67.4 | 68.6 | 68.7 | 69.2 | 69.3 | 69.6 | 69.8 | 69.8 | 69.9 | 70.0 | | | |
| 32000 | 6.2 | 50.9 | 57.5 | 62.0 | 67.3 | 68.3 | 69.4 | 70.6 | 70.7 | 71.2 | 71.3 | 71.6 | 71.8 | 71.8 | 71.9 | 72.0 | | | |
| 34000 | 6.2 | 53.1 | 59.7 | 65.8 | 70.1 | 71.1 | 72.2 | 73.3 | 73.4 | 74.0 | 74.1 | 74.3 | 74.6 | 74.6 | 74.7 | 74.8 | | | |
| 36000 | 6.2 | 52.9 | 61.0 | 67.1 | 71.6 | 72.6 | 73.7 | 74.8 | 74.9 | 75.4 | 75.6 | 75.8 | 76.0 | 76.0 | 76.1 | 76.2 | | | |
| 38000 | 6.2 | 55.9 | 63.3 | 69.3 | 73.7 | 74.7 | 75.8 | 77.0 | 77.1 | 77.6 | 77.9 | 78.1 | 78.3 | 78.3 | 78.4 | 78.6 | | | |
| 40000 | 6.2 | 56.8 | 64.4 | 70.6 | 74.9 | 75.9 | 77.0 | 78.2 | 78.3 | 79.1 | 79.2 | 79.4 | 79.7 | 79.7 | 79.8 | 79.9 | | | |
| 42000 | 6.2 | 57.8 | 65.9 | 72.3 | 76.9 | 77.9 | 79.0 | 80.2 | 80.3 | 81.1 | 81.2 | 81.4 | 81.7 | 81.7 | 81.8 | 81.9 | | | |
| 44000 | 6.2 | 58.7 | 66.9 | 73.8 | 78.7 | 79.7 | 80.8 | 82.0 | 82.1 | 82.9 | 83.0 | 83.2 | 83.4 | 83.4 | 83.6 | 83.7 | | | |
| 46000 | 6.2 | 58.9 | 67.2 | 74.0 | 79.0 | 80.0 | 81.1 | 82.3 | 82.4 | 83.2 | 83.3 | 83.5 | 83.8 | 83.8 | 83.9 | 84.0 | | | |
| 48000 | 6.3 | 59.6 | 67.6 | 74.9 | 79.9 | 80.9 | 82.0 | 83.2 | 83.3 | 84.1 | 84.2 | 84.4 | 84.7 | 84.7 | 84.8 | 84.9 | | | |
| 50000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 52000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 54000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 56000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 58000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 60000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 62000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 64000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 66000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 68000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 70000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 72000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 74000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 76000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 78000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 80000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 82000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 84000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 86000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 88000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 90000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 92000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 94000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 96000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 98000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |
| 100000 | 6.3 | 59.7 | 68.1 | 75.0 | 80.7 | 81.7 | 82.9 | 84.2 | 84.3 | 85.0 | 85.1 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 | | | |

TOTAL NUMBER OF OBSERVATIONS: 900

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C.
 METEOROLOGICAL SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 71090 STATION NAME: MOBILE AIR NB

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS/DATE: 0900-1100

| CEILING | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|------------|-----------------------------|------|------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|------|
| | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/4 | 2 1/2 | 2 3/4 | 3 | 3 1/4 | 3 1/2 | 3 3/4 | 4 | |
| NO CEILING | 99.7 | 99.2 | 87.0 | 86.8 | 86.8 | 86.7 | 86.1 | 86.1 | 86.1 | 86.2 | 86.7 | 86.7 | 86.7 | 86.7 | 86.2 | 86.2 | 86.2 |
| 1-20 | 0.3 | 0.8 | 13.0 | 13.2 | 13.2 | 13.3 | 13.9 | 13.9 | 13.9 | 13.8 | 13.3 | 13.3 | 13.3 | 13.3 | 13.8 | 13.8 | 13.8 |
| 20-40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40-60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60-80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80-100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100-120 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120-140 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140-160 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160-180 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180-200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 200-220 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 220-240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 240-260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 260-280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 280-300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 300-320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 320-340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 340-360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 360-380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 380-400 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 400-420 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 420-440 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 440-460 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 460-480 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 480-500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 500-520 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 520-540 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 540-560 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 560-580 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 580-600 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 600-620 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 620-640 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 640-660 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 660-680 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 680-700 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 700-720 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 720-740 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 740-760 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 760-780 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 780-800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 800-820 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 820-840 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 840-860 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 860-880 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 880-900 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 900-920 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 920-940 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 940-960 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 960-980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 980-1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TOTAL NUMBER OF OBSERVATIONS: 711

CLIMATE CLIMATOLOGY BRANCH
 CEILING
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 724095 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(LS.): 1800-2000

| CEILING FEET | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 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 C | | | | |
| NO CEIL | 8.9 | 44.1 | 57.7 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | |
| CE 2000 | 9.9 | 53.9 | 67.2 | 65.2 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| CE 1800 | 9.9 | 53.9 | 67.2 | 65.2 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| CE 1600 | 9.9 | 54.0 | 67.5 | 65.4 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| CE 1400 | 9.6 | 54.1 | 67.6 | 65.7 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| CE 1200 | 12.0 | 55.1 | 61.6 | 64.8 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| CE 1000 | 12.7 | 59.8 | 66.6 | 70.1 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| CE 900 | 12.7 | 60.1 | 66.9 | 70.4 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| CE 800 | 10.9 | 62.4 | 69.6 | 73.3 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| CE 700 | 10.9 | 62.9 | 70.2 | 74.1 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| CE 600 | 10.9 | 63.2 | 70.6 | 74.4 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| CE 500 | 10.9 | 64.1 | 71.6 | 75.4 | 76.3 | 76.3 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| CE 400 | 10.9 | 65.0 | 72.4 | 77.3 | 78.2 | 78.2 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| CE 300 | 11.2 | 67.7 | 76.4 | 80.7 | 81.7 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| CE 200 | 11.2 | 69.3 | 78.4 | 82.8 | 84.0 | 84.0 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| CE 100 | 11.3 | 71.9 | 81.7 | 86.3 | 88.4 | 88.6 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| CE 000 | 11.4 | 73.1 | 82.9 | 87.6 | 89.8 | 89.9 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| CE 1000 | 11.4 | 74.6 | 84.0 | 88.7 | 91.1 | 91.3 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| CE 2000 | 11.4 | 74.6 | 84.1 | 88.8 | 91.2 | 91.4 | 92.0 | 92.0 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| CE 3000 | 11.4 | 74.1 | 84.3 | 89.1 | 91.7 | 92.2 | 93.2 | 93.3 | 93.3 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| CE 4000 | 11.4 | 74.2 | 84.4 | 89.6 | 92.2 | 92.6 | 93.9 | 94.0 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| CE 5000 | 11.4 | 74.3 | 85.0 | 89.9 | 92.7 | 93.2 | 94.3 | 94.4 | 94.4 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| CE 6000 | 11.4 | 74.3 | 85.2 | 90.2 | 93.1 | 93.7 | 94.8 | 94.9 | 94.9 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| CE 7000 | 11.4 | 74.3 | 85.3 | 90.3 | 93.2 | 93.8 | 94.9 | 95.0 | 95.0 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| CE 8000 | 11.4 | 74.6 | 85.7 | 90.9 | 94.0 | 94.6 | 95.9 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| CE 9000 | 11.4 | 74.6 | 85.7 | 90.9 | 94.3 | 95.0 | 96.7 | 96.8 | 96.8 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| CE 10000 | 11.4 | 74.6 | 85.7 | 91.0 | 94.6 | 95.3 | 97.3 | 97.7 | 97.7 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| CE 11000 | 11.4 | 74.7 | 85.8 | 91.3 | 95.0 | 95.9 | 98.1 | 98.6 | 98.6 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| CE 12000 | 11.4 | 74.7 | 85.8 | 91.3 | 95.0 | 95.9 | 98.2 | 98.7 | 98.7 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| CE 13000 | 11.4 | 74.7 | 85.8 | 91.3 | 95.0 | 95.9 | 98.7 | 99.2 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| CE 14000 | 11.4 | 74.7 | 85.8 | 91.3 | 95.0 | 95.9 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| CE 15000 | 11.4 | 74.7 | 85.8 | 91.3 | 95.0 | 95.9 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| CE 16000 | 11.4 | 74.7 | 85.8 | 91.3 | 95.0 | 95.9 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH
 USAF/TIAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: SEP 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 | 7.3 | 48.9 | 54.3 | 56.8 | 58.0 | 58.2 | 58.6 | 59.9 | 59.9 | 59.1 | 59.1 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 |
| GE 20000 | 8.0 | 54.3 | 51.3 | 64.3 | 65.6 | 65.8 | 66.3 | 66.4 | 66.6 | 66.7 | 66.7 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 |
| GE 18000 | 8.0 | 54.6 | 51.6 | 64.7 | 65.9 | 66.1 | 66.7 | 66.8 | 66.9 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 16000 | 8.0 | 54.6 | 51.6 | 64.7 | 65.9 | 66.1 | 66.7 | 66.8 | 66.9 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 14000 | 8.0 | 54.6 | 51.6 | 64.7 | 65.9 | 66.1 | 66.7 | 66.8 | 66.9 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 12000 | 8.0 | 55.1 | 62.1 | 65.2 | 66.4 | 66.7 | 67.2 | 67.3 | 67.4 | 67.6 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 10000 | 8.0 | 59.1 | 67.3 | 73.4 | 71.9 | 72.1 | 72.7 | 72.8 | 72.9 | 73.0 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 |
| GE 9000 | 8.0 | 59.1 | 67.3 | 70.4 | 71.9 | 72.1 | 72.7 | 72.8 | 72.9 | 73.0 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 |
| GE 8000 | 8.0 | 61.0 | 69.4 | 73.0 | 74.6 | 74.6 | 75.3 | 75.4 | 75.6 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 7000 | 8.1 | 61.4 | 70.0 | 73.6 | 75.1 | 75.3 | 75.9 | 76.0 | 76.1 | 76.2 | 76.2 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 |
| GE 6000 | 8.1 | 62.1 | 71.7 | 74.2 | 75.8 | 76.0 | 76.6 | 76.7 | 76.8 | 76.9 | 76.9 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 5000 | 8.3 | 63.7 | 72.2 | 75.8 | 77.3 | 77.7 | 78.2 | 78.3 | 78.4 | 78.6 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE 4000 | 8.3 | 64.9 | 73.9 | 77.4 | 79.1 | 79.4 | 80.1 | 80.2 | 80.3 | 80.4 | 80.4 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 3000 | 8.7 | 66.0 | 75.2 | 79.7 | 81.7 | 81.3 | 82.0 | 82.1 | 82.2 | 82.3 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 2000 | 8.7 | 67.2 | 76.7 | 80.4 | 82.4 | 82.0 | 83.7 | 83.8 | 83.9 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 1000 | 8.7 | 68.7 | 78.7 | 82.8 | 85.2 | 85.9 | 86.7 | 86.8 | 86.9 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 800 | 8.7 | 69.9 | 79.9 | 84.0 | 86.8 | 87.6 | 88.3 | 88.4 | 88.6 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 700 | 8.7 | 70.6 | 80.8 | 84.9 | 88.0 | 88.6 | 89.6 | 89.7 | 89.8 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 600 | 8.7 | 70.6 | 80.8 | 84.9 | 88.0 | 88.6 | 89.6 | 89.7 | 89.8 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 500 | 8.8 | 71.1 | 81.4 | 85.7 | 89.2 | 90.2 | 91.0 | 91.2 | 91.3 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 400 | 8.8 | 71.4 | 81.9 | 86.2 | 89.8 | 90.9 | 91.7 | 91.9 | 92.1 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 300 | 8.8 | 71.8 | 82.3 | 86.9 | 90.7 | 91.6 | 92.6 | 93.0 | 93.1 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 200 | 8.8 | 71.8 | 82.3 | 87.0 | 90.8 | 91.9 | 92.7 | 93.1 | 93.2 | 93.4 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 100 | 8.8 | 71.8 | 82.6 | 87.5 | 91.2 | 92.3 | 93.1 | 93.7 | 93.8 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 80 | 8.8 | 71.8 | 82.6 | 87.4 | 91.6 | 92.7 | 93.4 | 94.1 | 94.7 | 94.4 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 60 | 8.8 | 72.0 | 82.8 | 87.8 | 91.9 | 93.1 | 93.9 | 94.6 | 94.9 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 50 | 8.8 | 72.1 | 82.9 | 87.9 | 92.3 | 93.7 | 94.7 | 96.3 | 96.4 | 97.0 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 40 | 8.8 | 72.1 | 83.0 | 88.0 | 92.6 | 94.0 | 95.1 | 96.4 | 97.0 | 97.6 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 30 | 8.8 | 72.3 | 83.3 | 88.6 | 93.2 | 94.7 | 95.7 | 97.5 | 98.0 | 98.6 | 98.7 | 98.7 | 99.0 | 99.0 | 99.1 | 99.1 |
| GE 20 | 8.8 | 72.3 | 83.3 | 88.6 | 93.2 | 94.7 | 96.2 | 98.3 | 98.6 | 99.1 | 99.4 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 10 | 8.8 | 72.3 | 83.3 | 88.6 | 93.2 | 94.7 | 96.2 | 98.3 | 98.6 | 99.1 | 99.4 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 210

GLOBAL CLIMATOLOGY BRANCH
 WPAFB/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCCUIRE AFB TX

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(IST): ALL

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|
| | 1 | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/4 | 2 1/2 | 2 3/4 | 3 | 3 1/4 | 3 1/2 | 3 3/4 | 4 | | |
| 4000 | 7.9 | 42.9 | 47.7 | 53.5 | 57.3 | 52.8 | 53.3 | 53.6 | 53.7 | 53.9 | 54.1 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | |
| 3000 | 8.6 | 48.1 | 53.5 | 55.8 | 58.8 | 59.3 | 59.9 | 59.3 | 60.4 | 60.7 | 60.8 | 60.8 | 60.9 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| 2000 | 8.6 | 48.1 | 53.6 | 55.9 | 58.9 | 59.5 | 60.0 | 60.4 | 60.5 | 60.6 | 60.6 | 60.6 | 60.9 | 61.0 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 |
| 1000 | 8.6 | 48.3 | 53.7 | 57.5 | 59.1 | 59.6 | 60.2 | 60.6 | 60.7 | 60.9 | 61.0 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.3 | 61.3 |
| 500 | 8.7 | 48.9 | 54.4 | 57.3 | 59.8 | 60.3 | 60.9 | 61.2 | 61.4 | 61.7 | 61.8 | 61.8 | 61.9 | 61.9 | 61.9 | 62.0 | 62.0 | 62.0 | 62.0 |
| 200 | 8.8 | 51.6 | 57.8 | 61.4 | 63.7 | 64.3 | 64.9 | 65.3 | 65.3 | 65.6 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.9 | 66.0 | 66.0 |
| 100 | 8.8 | 52.0 | 58.0 | 61.6 | 63.8 | 64.4 | 65.0 | 65.4 | 65.5 | 65.8 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.1 | 66.1 | 66.1 | 66.1 |
| 50 | 9.0 | 55.0 | 61.5 | 65.5 | 68.0 | 68.7 | 69.3 | 69.3 | 69.8 | 70.1 | 70.2 | 70.3 | 70.4 | 70.4 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 |
| 25 | 9.0 | 55.6 | 62.3 | 66.4 | 68.9 | 69.6 | 70.2 | 70.6 | 70.7 | 71.0 | 71.1 | 71.2 | 71.3 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 |
| 10 | 9.0 | 55.9 | 62.6 | 66.7 | 69.2 | 69.9 | 70.5 | 70.9 | 71.0 | 71.3 | 71.4 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| 5 | 9.1 | 57.3 | 64.0 | 68.1 | 70.6 | 71.3 | 72.0 | 72.4 | 72.5 | 72.8 | 72.9 | 73.0 | 73.1 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| 2 | 9.2 | 58.5 | 65.5 | 69.7 | 72.2 | 73.0 | 73.7 | 74.1 | 74.1 | 74.4 | 74.6 | 74.6 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| 1 | 9.3 | 60.3 | 67.7 | 72.1 | 74.7 | 75.6 | 76.3 | 76.7 | 76.8 | 77.1 | 77.2 | 77.3 | 77.4 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 |
| 0.5 | 9.6 | 62.4 | 71.0 | 74.5 | 77.3 | 78.2 | 79.0 | 79.4 | 79.5 | 79.8 | 79.9 | 80.0 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 0.25 | 9.7 | 65.0 | 73.5 | 78.0 | 81.1 | 82.1 | 82.9 | 83.4 | 83.4 | 83.8 | 83.9 | 84.0 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 0.1 | 9.8 | 66.3 | 74.5 | 79.7 | 83.0 | 84.0 | 84.9 | 85.4 | 85.4 | 85.8 | 86.1 | 86.0 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 0.05 | 9.8 | 67.3 | 75.7 | 81.0 | 84.7 | 85.7 | 86.7 | 87.2 | 87.2 | 87.6 | 87.8 | 87.8 | 87.9 | 87.9 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 |
| 0.025 | 9.8 | 67.5 | 76.5 | 81.3 | 85.0 | 86.0 | 87.0 | 87.6 | 87.6 | 88.0 | 88.2 | 88.2 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 0.01 | 9.8 | 68.4 | 77.1 | 82.5 | 86.5 | 87.6 | 88.8 | 89.3 | 89.4 | 89.8 | 90.0 | 90.0 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| 0.005 | 9.9 | 68.9 | 77.7 | 83.3 | 87.4 | 88.5 | 89.8 | 90.3 | 90.4 | 90.8 | 91.0 | 91.0 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 0.0025 | 9.9 | 69.2 | 78.0 | 84.3 | 88.3 | 89.5 | 90.9 | 91.5 | 91.6 | 92.1 | 92.3 | 92.3 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 0.001 | 9.8 | 69.3 | 78.4 | 84.3 | 88.7 | 89.9 | 91.3 | 92.0 | 92.0 | 92.5 | 92.7 | 92.7 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| 0.0005 | 9.8 | 69.4 | 78.7 | 84.7 | 89.3 | 90.5 | 92.0 | 92.8 | 92.8 | 93.3 | 93.5 | 93.5 | 93.6 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 |
| 0.00025 | 9.8 | 69.5 | 78.9 | 85.2 | 90.1 | 91.5 | 93.0 | 93.9 | 93.9 | 94.5 | 94.7 | 94.7 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 0.0001 | 9.8 | 69.6 | 79.1 | 85.4 | 90.5 | 92.0 | 93.5 | 94.5 | 94.6 | 95.2 | 95.5 | 95.5 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 0.00005 | 9.8 | 69.6 | 79.2 | 85.7 | 91.0 | 92.6 | 94.0 | 95.0 | 95.0 | 95.6 | 96.3 | 96.6 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| 0.000025 | 9.8 | 69.7 | 79.2 | 85.5 | 91.4 | 93.1 | 94.5 | 95.5 | 95.5 | 96.2 | 96.9 | 97.1 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 0.00001 | 9.8 | 69.7 | 79.3 | 85.9 | 91.5 | 93.2 | 94.5 | 95.5 | 95.5 | 96.2 | 96.9 | 97.7 | 98.0 | 98.1 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 |
| 0.000005 | 9.8 | 69.7 | 79.3 | 85.9 | 91.5 | 93.3 | 94.5 | 95.5 | 95.5 | 96.4 | 97.1 | 98.1 | 98.6 | 98.6 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 |
| 0.0000025 | 9.8 | 69.7 | 79.3 | 85.5 | 91.5 | 93.3 | 94.5 | 95.5 | 95.5 | 96.4 | 97.1 | 98.1 | 98.7 | 98.7 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 |
| 0.000001 | 9.8 | 69.7 | 79.3 | 85.5 | 91.5 | 93.3 | 94.5 | 95.5 | 95.5 | 96.4 | 97.1 | 98.1 | 98.7 | 98.7 | 99.2 | 99.2 | 99.5 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 1000

GLOBAL CLIMATOLOGY BRANCH
 USAF/AFAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 77-86
 MONTH: OCT 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 | 7.5 | 47.8 | 50.2 | 51.7 | 52.0 | 52.8 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.4 | 53.4 | 53.5 | 53.9 |
| GE 2000 | 7.7 | 51.7 | 54.4 | 56.0 | 56.3 | 57.1 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.7 | 57.7 | 58.0 | 58.4 |
| GE 1800 | 7.7 | 51.7 | 54.4 | 56.0 | 56.3 | 57.1 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.7 | 57.7 | 58.0 | 58.4 |
| GE 1600 | 7.7 | 51.7 | 54.4 | 56.0 | 56.3 | 57.1 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.7 | 57.7 | 58.0 | 58.4 |
| GE 1400 | 7.7 | 51.9 | 54.6 | 56.2 | 56.5 | 57.3 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 58.0 | 58.0 | 58.2 | 58.6 |
| GE 1200 | 7.7 | 53.0 | 55.7 | 57.3 | 57.6 | 58.4 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 59.0 | 59.0 | 59.2 | 59.7 |
| GE 1000 | 8.1 | 56.1 | 58.3 | 60.6 | 61.0 | 61.7 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.4 | 62.4 | 62.6 | 63.0 |
| GE 900 | 8.1 | 56.5 | 57.1 | 61.0 | 61.3 | 62.0 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.7 | 62.7 | 62.9 | 63.3 |
| GE 800 | 8.4 | 60.8 | 64.2 | 66.3 | 66.5 | 67.3 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 68.1 | 68.1 | 68.3 | 68.7 |
| GE 700 | 8.4 | 61.7 | 65.1 | 67.0 | 67.4 | 68.3 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 69.0 | 69.0 | 69.2 | 69.7 |
| GE 600 | 8.7 | 62.2 | 65.5 | 67.4 | 67.8 | 68.7 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.5 | 69.5 | 69.7 | 70.1 |
| GE 500 | 8.7 | 63.4 | 67.0 | 68.9 | 69.5 | 70.3 | 70.3 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 71.1 | 71.1 | 71.3 | 71.7 |
| GE 450 | 8.7 | 66.3 | 69.9 | 72.2 | 73.0 | 73.9 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.6 | 74.6 | 74.8 | 75.3 |
| GE 400 | 8.7 | 69.8 | 72.5 | 74.9 | 75.9 | 76.7 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.4 | 77.4 | 77.6 | 78.1 |
| GE 350 | 8.7 | 70.6 | 74.4 | 77.3 | 78.3 | 79.1 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.9 | 79.9 | 80.1 | 80.5 |
| GE 300 | 8.9 | 72.8 | 77.0 | 80.0 | 81.2 | 82.0 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.9 | 82.9 | 83.1 | 83.5 |
| GE 250 | 9.7 | 73.8 | 78.7 | 81.9 | 83.1 | 84.0 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.8 | 84.8 | 85.1 | 85.5 |
| GE 200 | 9.7 | 74.6 | 79.6 | 82.5 | 84.1 | 84.9 | 85.5 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 86.0 | 86.0 | 86.2 | 86.7 |
| GE 150 | 9.7 | 74.7 | 79.7 | 82.9 | 84.2 | 85.1 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.1 | 86.1 | 86.3 | 86.8 |
| GE 100 | 9.7 | 75.7 | 81.3 | 84.9 | 86.8 | 87.6 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.7 | 88.7 | 88.9 | 89.4 |
| GE 75 | 9.7 | 76.0 | 81.6 | 85.3 | 87.2 | 88.1 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 89.1 | 89.1 | 89.4 | 89.8 |
| GE 50 | 9.7 | 75.1 | 81.7 | 85.6 | 87.5 | 88.5 | 89.2 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.9 | 89.9 | 90.1 | 90.5 |
| GE 40 | 9.7 | 76.0 | 82.2 | 86.0 | 88.0 | 88.9 | 89.7 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.3 | 90.3 | 90.5 | 91.0 |
| GE 30 | 9.7 | 76.1 | 82.3 | 86.5 | 88.4 | 89.4 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.9 | 90.8 | 91.0 | 91.4 |
| GE 20 | 9.7 | 76.2 | 82.4 | 86.9 | 89.3 | 90.0 | 90.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.4 | 91.4 | 91.6 | 92.0 |
| GE 10 | 9.7 | 76.5 | 82.7 | 87.5 | 89.9 | 90.9 | 91.6 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.3 | 92.3 | 92.5 | 92.9 |
| GE 5 | 9.7 | 76.6 | 82.9 | 87.7 | 90.5 | 91.8 | 92.6 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 93.2 | 93.2 | 93.4 | 93.9 |
| GE 0 | 9.7 | 76.6 | 83.1 | 88.1 | 91.2 | 92.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 94.0 | 94.0 | 94.2 | 94.7 |
| GE 0 | 9.7 | 76.6 | 83.1 | 88.1 | 91.3 | 92.7 | 93.7 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.4 | 94.4 | 94.8 | 95.1 |
| GE 0 | 9.7 | 76.6 | 83.1 | 88.1 | 91.3 | 92.7 | 93.7 | 94.1 | 94.1 | 94.4 | 94.5 | 94.5 | 95.9 | 96.0 | 96.5 | 97.3 |
| GE 0 | 9.7 | 76.6 | 83.1 | 88.4 | 91.6 | 93.0 | 94.0 | 94.4 | 94.4 | 94.7 | 94.9 | 94.8 | 96.5 | 96.7 | 97.8 | 99.5 |
| GE 0 | 9.7 | 76.6 | 83.1 | 88.4 | 91.6 | 93.0 | 94.0 | 94.4 | 94.4 | 94.7 | 94.8 | 94.8 | 96.5 | 96.7 | 97.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 250

GLOBAL CLIMATOLOGY BRANCH
USAF/TIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(EST): 0303-0500

| 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 CEILING | 7.1 | 43.9 | 47.7 | 49.2 | 57.9 | 51.5 | 51.9 | 52.5 | 52.7 | 53.1 | 53.2 | 53.2 | 53.3 | 53.3 | 53.4 | 53.5 |
| GE 20000 | 7.1 | 46.6 | 50.5 | 52.6 | 54.4 | 55.1 | 55.5 | 56.0 | 56.2 | 56.7 | 56.8 | 56.8 | 56.9 | 56.9 | 57.0 | 57.2 |
| GE 18000 | 7.1 | 46.6 | 50.5 | 52.6 | 54.4 | 55.1 | 55.5 | 56.0 | 56.2 | 56.7 | 56.8 | 56.8 | 56.9 | 56.9 | 57.0 | 57.2 |
| GE 16000 | 7.1 | 46.6 | 50.5 | 52.6 | 54.4 | 55.1 | 55.5 | 56.0 | 56.2 | 56.7 | 56.8 | 56.8 | 56.9 | 56.9 | 57.0 | 57.2 |
| GE 14000 | 7.1 | 46.8 | 50.8 | 52.8 | 54.6 | 55.3 | 55.7 | 56.2 | 56.5 | 56.9 | 57.0 | 57.0 | 57.1 | 57.1 | 57.2 | 57.4 |
| GE 12000 | 7.1 | 47.4 | 51.4 | 53.4 | 55.3 | 55.9 | 56.3 | 56.7 | 57.1 | 57.5 | 57.6 | 57.6 | 57.7 | 57.7 | 57.8 | 58.1 |
| GE 10000 | 7.2 | 49.9 | 54.1 | 56.2 | 58.2 | 58.8 | 59.2 | 59.6 | 60.0 | 60.4 | 60.5 | 60.5 | 60.6 | 60.6 | 60.8 | 61.0 |
| GE 9000 | 7.2 | 50.2 | 54.4 | 56.5 | 58.5 | 59.1 | 59.6 | 60.1 | 60.3 | 60.7 | 60.9 | 60.9 | 61.0 | 61.0 | 61.1 | 61.3 |
| GE 8000 | 7.2 | 53.2 | 57.4 | 60.1 | 62.3 | 62.9 | 63.5 | 64.1 | 64.3 | 64.7 | 64.8 | 64.8 | 64.9 | 64.9 | 65.1 | 65.3 |
| GE 7000 | 7.2 | 54.4 | 59.0 | 61.3 | 63.4 | 64.1 | 64.7 | 65.3 | 65.6 | 66.0 | 66.1 | 66.1 | 66.2 | 66.2 | 66.3 | 66.6 |
| GE 6000 | 7.4 | 54.6 | 59.2 | 61.5 | 63.7 | 64.3 | 64.9 | 65.5 | 65.8 | 66.2 | 66.3 | 66.3 | 66.5 | 66.5 | 66.6 | 66.8 |
| GE 5000 | 7.4 | 57.2 | 61.8 | 64.2 | 66.5 | 67.1 | 67.7 | 68.3 | 68.6 | 69.0 | 69.1 | 69.1 | 69.2 | 69.2 | 69.4 | 69.6 |
| GE 4500 | 7.4 | 59.0 | 63.7 | 66.3 | 68.4 | 69.1 | 69.8 | 70.4 | 70.8 | 71.2 | 71.3 | 71.3 | 71.4 | 71.4 | 71.5 | 71.7 |
| GE 4000 | 7.4 | 62.3 | 67.3 | 70.3 | 72.7 | 73.4 | 74.1 | 74.7 | 75.1 | 75.5 | 75.6 | 75.6 | 75.7 | 75.7 | 75.8 | 76.0 |
| GE 3500 | 7.5 | 63.7 | 69.7 | 71.5 | 74.3 | 75.1 | 75.7 | 76.3 | 76.7 | 77.1 | 77.2 | 77.2 | 77.3 | 77.3 | 77.4 | 77.6 |
| GE 3000 | 7.7 | 65.6 | 71.4 | 74.5 | 77.2 | 78.2 | 78.9 | 79.5 | 79.9 | 80.3 | 80.5 | 80.5 | 80.6 | 80.6 | 80.8 | 81.0 |
| GE 2500 | 8.2 | 67.5 | 73.5 | 76.7 | 79.5 | 80.4 | 81.1 | 81.7 | 82.0 | 82.6 | 83.0 | 83.0 | 83.1 | 83.1 | 83.2 | 83.4 |
| GE 2000 | 8.2 | 69.0 | 74.9 | 78.1 | 80.9 | 81.8 | 82.6 | 83.2 | 83.5 | 84.1 | 84.5 | 84.5 | 84.6 | 84.6 | 84.7 | 84.9 |
| GE 1800 | 8.2 | 69.2 | 75.3 | 78.4 | 81.2 | 82.2 | 82.9 | 83.5 | 83.9 | 84.4 | 84.8 | 84.8 | 84.9 | 84.9 | 85.1 | 85.3 |
| GE 1600 | 8.2 | 69.5 | 75.7 | 79.1 | 81.7 | 83.1 | 83.9 | 84.5 | 84.9 | 85.4 | 85.8 | 85.8 | 85.9 | 85.9 | 86.0 | 86.3 |
| GE 1400 | 8.2 | 69.5 | 75.6 | 79.4 | 82.4 | 83.5 | 84.3 | 84.9 | 85.3 | 85.8 | 86.2 | 86.2 | 86.3 | 86.3 | 86.5 | 86.8 |
| GE 1200 | 8.2 | 69.8 | 76.6 | 80.1 | 83.4 | 84.6 | 85.4 | 86.1 | 86.5 | 87.2 | 87.6 | 87.6 | 87.7 | 87.7 | 87.8 | 88.2 |
| GE 1000 | 8.2 | 71.5 | 77.3 | 81.0 | 84.3 | 85.5 | 86.2 | 87.0 | 87.3 | 87.8 | 88.1 | 88.5 | 88.6 | 88.6 | 88.7 | 89.0 |
| GE 900 | 8.2 | 73.6 | 77.6 | 81.2 | 84.5 | 85.7 | 86.6 | 87.3 | 87.6 | 88.4 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 | 89.4 |
| GE 800 | 8.2 | 73.9 | 77.7 | 81.4 | 85.3 | 86.5 | 87.3 | 88.2 | 88.5 | 89.2 | 89.7 | 89.7 | 89.8 | 89.8 | 89.9 | 90.2 |
| GE 700 | 8.2 | 76.8 | 77.7 | 81.4 | 85.3 | 86.5 | 87.4 | 88.3 | 88.6 | 89.4 | 89.8 | 89.8 | 89.9 | 89.9 | 90.0 | 90.3 |
| GE 600 | 8.2 | 77.8 | 77.9 | 81.7 | 85.9 | 87.2 | 88.4 | 89.5 | 89.9 | 90.8 | 91.2 | 91.2 | 91.3 | 91.3 | 91.4 | 91.7 |
| GE 500 | 8.2 | 78.8 | 78.1 | 82.3 | 86.5 | 88.0 | 89.4 | 90.6 | 91.1 | 91.9 | 92.4 | 92.4 | 92.5 | 92.5 | 92.6 | 92.9 |
| GE 400 | 8.2 | 78.8 | 78.1 | 82.3 | 86.5 | 88.1 | 89.6 | 91.1 | 91.4 | 92.5 | 92.9 | 92.9 | 93.3 | 93.3 | 93.4 | 93.9 |
| GE 300 | 8.2 | 78.8 | 78.1 | 82.3 | 86.7 | 88.2 | 89.7 | 91.2 | 92.7 | 94.1 | 94.6 | 94.6 | 95.4 | 95.8 | 96.1 | 96.8 |
| GE 200 | 8.2 | 78.6 | 78.1 | 82.2 | 86.8 | 88.4 | 89.6 | 92.6 | 93.7 | 94.4 | 95.1 | 95.1 | 95.8 | 96.2 | 97.6 | 99.4 |
| GE 100 | 8.2 | 78.8 | 78.1 | 82.2 | 86.8 | 88.4 | 90.6 | 92.6 | 93.7 | 94.4 | 95.1 | 95.1 | 95.8 | 96.2 | 97.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH
 WCAP/ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 0600-2000

| CEILING FOOT | 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 |
| NO CEIL | 7.1 | 34.0 | 47.4 | 42.2 | 45.5 | 46.5 | 47.1 | 47.5 | 47.9 | 48.2 | 48.4 | 48.4 | 48.9 | 48.9 | 48.9 | 49.1 |
| GE 20000 | 7.4 | 41.3 | 44.6 | 46.7 | 57.3 | 51.5 | 52.6 | 53.4 | 53.8 | 54.2 | 54.4 | 54.4 | 54.9 | 55.1 | 55.2 | 55.4 |
| GF 16000 | 7.4 | 41.3 | 44.6 | 46.7 | 57.3 | 51.5 | 52.6 | 53.4 | 53.8 | 54.2 | 54.4 | 54.4 | 54.9 | 55.1 | 55.2 | 55.4 |
| GF 14000 | 7.4 | 41.3 | 44.6 | 46.7 | 57.3 | 51.5 | 52.6 | 53.4 | 53.8 | 54.2 | 54.4 | 54.4 | 54.9 | 55.1 | 55.2 | 55.4 |
| GE 12000 | 7.4 | 41.3 | 44.6 | 46.7 | 57.3 | 51.5 | 52.6 | 53.4 | 53.8 | 54.2 | 54.4 | 54.4 | 54.9 | 55.1 | 55.2 | 55.4 |
| GE 10000 | 7.6 | 44.2 | 47.8 | 47.9 | 53.9 | 55.1 | 56.1 | 57.1 | 57.4 | 57.6 | 58.1 | 58.1 | 58.6 | 58.7 | 58.8 | 59.0 |
| GF 8000 | 7.6 | 44.4 | 48.1 | 50.1 | 54.1 | 55.3 | 56.3 | 57.3 | 57.6 | 58.1 | 58.3 | 58.3 | 58.8 | 58.9 | 59.0 | 59.2 |
| GF 6000 | 8.0 | 49.7 | 54.1 | 60.3 | 60.6 | 61.8 | 62.9 | 64.0 | 64.4 | 64.8 | 65.1 | 65.1 | 65.6 | 65.7 | 65.8 | 66.0 |
| GF 4000 | 8.0 | 50.9 | 55.5 | 57.8 | 62.5 | 63.9 | 64.9 | 66.0 | 66.5 | 66.9 | 67.1 | 67.1 | 67.6 | 67.7 | 67.8 | 68.1 |
| GF 2000 | 8.0 | 51.0 | 55.7 | 59.1 | 62.7 | 64.1 | 65.0 | 66.2 | 66.7 | 67.1 | 67.3 | 67.3 | 67.8 | 68.0 | 68.1 | 68.3 |
| GF 800 | 8.0 | 52.0 | 57.2 | 59.6 | 64.5 | 66.1 | 67.0 | 68.3 | 68.7 | 69.1 | 69.4 | 69.4 | 69.9 | 70.0 | 70.1 | 70.3 |
| GF 400 | 8.3 | 53.7 | 59.2 | 61.7 | 66.9 | 68.6 | 69.8 | 71.1 | 71.5 | 72.0 | 72.3 | 72.3 | 72.8 | 72.9 | 73.0 | 73.2 |
| GF 200 | 8.3 | 55.2 | 61.1 | 63.9 | 69.1 | 70.9 | 72.2 | 73.5 | 74.0 | 74.5 | 74.7 | 74.7 | 75.3 | 75.4 | 75.5 | 75.7 |
| GF 100 | 8.3 | 56.7 | 63.3 | 66.3 | 71.7 | 73.7 | 75.1 | 76.5 | 76.9 | 77.4 | 77.6 | 77.6 | 78.2 | 78.3 | 78.4 | 78.6 |
| GF 50 | 8.3 | 58.1 | 64.7 | 67.7 | 73.3 | 75.4 | 76.9 | 78.3 | 78.8 | 79.6 | 79.8 | 79.8 | 80.3 | 80.4 | 80.5 | 80.9 |
| GF 25 | 8.8 | 59.9 | 66.6 | 69.9 | 75.6 | 77.7 | 79.2 | 80.6 | 81.0 | 81.9 | 82.0 | 82.0 | 82.7 | 82.8 | 83.0 | 83.3 |
| GF 15 | 8.8 | 60.6 | 67.6 | 70.5 | 76.4 | 78.5 | 80.0 | 81.4 | 81.8 | 82.7 | 82.8 | 82.8 | 83.5 | 83.6 | 83.8 | 84.1 |
| GF 10 | 8.9 | 60.9 | 67.6 | 71.2 | 77.0 | 79.1 | 80.8 | 82.4 | 82.9 | 83.6 | 83.7 | 83.7 | 84.0 | 84.5 | 84.6 | 84.8 |
| GF 5 | 8.9 | 61.3 | 68.6 | 71.4 | 78.1 | 80.3 | 82.0 | 83.7 | 84.2 | 85.1 | 85.4 | 85.4 | 86.0 | 86.1 | 86.5 | 86.8 |
| GF 2 | 8.9 | 61.3 | 68.7 | 71.9 | 78.4 | 80.8 | 82.6 | 84.2 | 84.7 | 85.6 | 85.9 | 85.9 | 86.6 | 86.7 | 87.0 | 87.3 |
| GF 1 | 8.9 | 61.6 | 69.4 | 72.4 | 78.7 | 81.3 | 83.2 | 85.3 | 85.4 | 86.6 | 87.1 | 87.1 | 87.7 | 87.8 | 88.2 | 88.5 |
| GF 3/4 | 8.9 | 61.8 | 69.7 | 72.6 | 79.1 | 81.8 | 83.9 | 86.0 | 86.5 | 87.4 | 87.7 | 87.7 | 88.4 | 88.5 | 88.8 | 89.1 |
| GF 1/2 | 8.9 | 62.0 | 69.9 | 72.9 | 79.5 | 82.3 | 84.5 | 86.6 | 87.1 | 88.1 | 88.5 | 88.5 | 89.1 | 89.2 | 89.6 | 89.9 |
| GF 1/4 | 8.9 | 62.0 | 69.7 | 73.1 | 80.6 | 83.4 | 85.8 | 88.0 | 88.5 | 89.6 | 90.0 | 90.0 | 90.6 | 90.8 | 91.1 | 91.4 |
| GF 1/8 | 8.9 | 62.0 | 69.7 | 73.2 | 80.9 | 83.7 | 86.0 | 88.3 | 88.8 | 90.3 | 90.8 | 90.8 | 91.4 | 91.5 | 91.8 | 92.2 |
| GF 1/16 | 8.9 | 62.0 | 69.7 | 73.2 | 81.1 | 84.0 | 86.7 | 89.1 | 89.9 | 91.4 | 91.8 | 91.8 | 92.5 | 92.6 | 92.9 | 93.2 |
| GF 1/32 | 8.9 | 62.2 | 69.8 | 73.3 | 81.2 | 84.1 | 86.9 | 89.3 | 90.1 | 92.6 | 93.0 | 93.0 | 93.7 | 93.9 | 94.2 | 94.5 |
| GF 1/64 | 8.9 | 62.2 | 69.8 | 73.3 | 81.2 | 84.1 | 86.9 | 89.3 | 90.1 | 92.6 | 93.0 | 93.0 | 93.7 | 93.9 | 94.2 | 94.5 |
| GF 1/128 | 8.9 | 62.2 | 69.8 | 73.3 | 81.2 | 84.2 | 87.1 | 89.5 | 90.3 | 92.7 | 93.1 | 93.1 | 93.8 | 93.9 | 94.2 | 94.5 |
| GF 1/256 | 8.9 | 62.2 | 69.8 | 73.3 | 81.2 | 84.2 | 87.1 | 89.5 | 90.3 | 92.7 | 93.1 | 93.1 | 93.8 | 93.9 | 94.2 | 94.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/AFAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: OCT 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 7/16 | GE 1/4 | GE 0 |
| 99 0000 | 17.2 | 43.5 | 45.5 | 48.6 | 49.5 | 49.6 | 49.6 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 99 0000 | 17.9 | 46.4 | 51.2 | 54.3 | 55.6 | 55.8 | 55.9 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| 99 1300 | 10.8 | 43.6 | 51.4 | 54.5 | 55.8 | 56.0 | 56.1 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| 99 1600 | 10.8 | 48.6 | 51.4 | 54.5 | 55.8 | 56.0 | 56.1 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| 99 1400 | 10.8 | 48.6 | 51.4 | 54.6 | 56.0 | 56.2 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| 99 1200 | 10.9 | 48.9 | 51.7 | 54.9 | 56.3 | 56.6 | 56.7 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| 99 1000 | 11.0 | 51.7 | 54.6 | 57.8 | 59.2 | 59.5 | 59.6 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| 99 0900 | 11.0 | 51.7 | 54.6 | 57.8 | 59.2 | 59.5 | 59.6 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| 99 0800 | 11.9 | 56.8 | 57.6 | 64.0 | 65.5 | 65.7 | 65.8 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| 99 0700 | 11.9 | 59.3 | 62.3 | 65.7 | 67.2 | 67.4 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| 99 0600 | 11.9 | 58.3 | 62.5 | 66.1 | 67.6 | 67.8 | 68.0 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| 99 0500 | 10.2 | 60.2 | 64.7 | 68.4 | 69.9 | 70.1 | 70.2 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| 99 0400 | 10.4 | 61.0 | 66.0 | 70.1 | 72.0 | 72.3 | 72.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| 99 0300 | 10.6 | 63.9 | 69.1 | 73.2 | 75.2 | 75.4 | 75.5 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 99 0200 | 10.8 | 66.7 | 72.0 | 76.2 | 78.4 | 78.7 | 78.8 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| 99 0100 | 10.3 | 69.9 | 75.5 | 79.7 | 83.0 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| 99 2000 | 10.3 | 70.5 | 76.3 | 81.4 | 84.1 | 84.4 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| 99 1900 | 10.5 | 71.6 | 77.5 | 83.0 | 85.7 | 86.0 | 86.3 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 99 1800 | 10.5 | 71.6 | 77.6 | 83.0 | 85.7 | 86.0 | 86.3 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 99 1700 | 10.5 | 72.4 | 78.5 | 84.2 | 87.3 | 87.6 | 88.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 99 1600 | 10.5 | 73.1 | 79.4 | 85.3 | 88.8 | 89.2 | 89.5 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| 99 1500 | 10.5 | 72.4 | 79.7 | 85.5 | 89.9 | 90.5 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| 99 1400 | 10.5 | 73.5 | 79.9 | 86.1 | 91.0 | 91.2 | 91.6 | 91.9 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| 99 1300 | 10.5 | 73.5 | 80.3 | 86.6 | 91.9 | 91.9 | 92.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 99 1200 | 10.5 | 73.4 | 80.6 | 86.9 | 91.6 | 92.0 | 93.0 | 93.7 | 94.1 | 94.1 | 94.2 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 |
| 99 1100 | 10.5 | 73.8 | 80.6 | 87.0 | 92.0 | 92.4 | 93.3 | 94.3 | 94.4 | 94.8 | 95.1 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 |
| 99 1000 | 10.5 | 73.8 | 80.6 | 87.1 | 92.0 | 92.7 | 93.7 | 94.7 | 95.6 | 95.8 | 96.5 | 96.6 | 96.9 | 96.9 | 96.9 | 96.9 |
| 99 0900 | 10.5 | 73.8 | 80.6 | 87.1 | 92.3 | 93.9 | 95.0 | 96.0 | 96.0 | 96.0 | 97.0 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 |
| 99 0800 | 10.5 | 73.8 | 80.6 | 87.1 | 92.4 | 94.1 | 95.6 | 96.6 | 96.6 | 96.6 | 98.0 | 98.2 | 98.5 | 98.5 | 98.6 | 98.6 |
| 99 0700 | 10.5 | 73.8 | 80.6 | 87.1 | 92.4 | 94.1 | 95.6 | 96.6 | 96.6 | 96.6 | 98.5 | 99.0 | 99.5 | 99.6 | 99.8 | 99.9 |
| 99 0600 | 10.5 | 73.8 | 80.6 | 87.1 | 92.4 | 94.1 | 95.6 | 96.6 | 96.6 | 96.6 | 98.5 | 99.0 | 99.5 | 99.7 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 235

GENERAL CLIMATOLOGY BRANCH
 WSAFETAC
 AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(EST): 1200-1400

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|
| | 1 | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/4 | 2 1/2 | 2 3/4 | 3 | 3 1/4 | 3 1/2 | 3 3/4 | 4 | 4 1/4 |
| NO CEIL | 9.9 | 43.2 | 42.6 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| 00 | 12.4 | 43.0 | 51.7 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| 05 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 10 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 15 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 20 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 25 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 30 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 35 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 40 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 45 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 50 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 55 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 60 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 65 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 70 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 75 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 80 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 85 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 90 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 95 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 100 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 105 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 110 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 115 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 120 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 125 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 130 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 135 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 140 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 145 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 150 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 155 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 160 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 165 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 170 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 175 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 180 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 185 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 190 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 195 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 200 | 12.4 | 43.1 | 51.1 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |

TOTAL NUMBER OF OBSERVATIONS: 730

GENERAL CLIMATOLOGY BRANCH
 15A11140
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724396 STATION NAME: MCQUIRE AFB TX

PERIOD OF RECORD: 77-86
 MONTH: OCT
 HOURS(IST): 1500-1700

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 1/2 | 3/4 | 5/8 | 3/4 | 5/8 | 3/4 | 5/8 | 3/4 | 5/8 | 3/4 | 5/8 | 3/4 | 5/8 | 3/4 | 5/8 | 3/4 | 5/8 | 0 |
| 99 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 95 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 90 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 85 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 80 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 75 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 70 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 65 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 60 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 55 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 50 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 45 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 40 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 35 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 30 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 25 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 20 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 15 | 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 10 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 322

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C.
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 704396 STATION NAME: MCCLURE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 1800-2300

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | IN 10 | GE 6 | GE 5 | GF 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GL 3/4 | GF 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 9.2 | 53.6 | 52.4 | 53.6 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 2000 | 9.2 | 58.0 | 51.7 | 62.0 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 1800 | 9.2 | 58.0 | 51.0 | 62.0 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 63.1 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 1600 | 9.2 | 58.0 | 51.0 | 62.0 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 1400 | 9.2 | 58.2 | 51.2 | 62.3 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 1200 | 9.6 | 59.5 | 52.7 | 63.8 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 1000 | 9.7 | 61.7 | 54.9 | 65.0 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| GE 900 | 9.7 | 61.7 | 55.2 | 65.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 800 | 10.5 | 67.2 | 71.2 | 72.4 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 700 | 10.9 | 69.3 | 72.3 | 73.4 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 600 | 10.9 | 69.7 | 72.7 | 73.9 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| GE 500 | 11.0 | 69.6 | 73.9 | 74.9 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 400 | 11.1 | 72.6 | 77.2 | 74.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 300 | 11.5 | 74.5 | 79.2 | 81.5 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 200 | 11.9 | 79.1 | 83.2 | 85.1 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 100 | 11.9 | 79.1 | 84.7 | 86.7 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 0 | 11.9 | 79.8 | 85.4 | 87.5 | 89.5 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 2000 | 11.9 | 83.2 | 85.5 | 88.2 | 90.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 1800 | 11.9 | 83.4 | 86.1 | 88.3 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 1600 | 11.9 | 83.1 | 87.2 | 89.5 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 1400 | 11.9 | 81.4 | 87.7 | 90.2 | 92.5 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 1200 | 11.9 | 81.7 | 89.0 | 91.4 | 93.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 1000 | 11.9 | 81.7 | 89.5 | 91.8 | 94.1 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 800 | 11.9 | 81.9 | 89.9 | 92.7 | 94.7 | 95.5 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 600 | 11.9 | 82.0 | 89.9 | 91.5 | 95.1 | 95.9 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 400 | 11.9 | 82.2 | 89.7 | 92.1 | 95.3 | 96.1 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 200 | 11.9 | 82.2 | 89.1 | 92.2 | 95.5 | 96.3 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 100 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 0 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 2000 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1800 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1600 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1400 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1200 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1000 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 800 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 600 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 400 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 200 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 100 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 0 | 11.9 | 82.2 | 89.1 | 92.4 | 95.7 | 96.6 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |

TOTAL NUMBER OF OBSERVATIONS: 600

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 77-86
MONTH: OCT FOURS(1ST): 2100-2300

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|-----------|-----------|-----------|-----------|---------|-------------|-------------|-------------|-------------|---------|-------------|-------------|-------------|---------|-------------|
| | GE 1 | GE 1/2 | GE 5/8 | GE 3/4 | GE 7/8 | GE 1 | GE 1 1/8 | GE 1 1/4 | GE 1 1/2 | GE 1 3/4 | GE 2 | GE 2 1/4 | GE 2 1/2 | GE 2 3/4 | GE 3 | GE 3 1/2 |
| NO CEILING | 94.6 | 89.6 | 52.3 | 53.6 | 54.7 | 54.7 | 54.9 | 55.1 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 60 (600) | 94.0 | 55.7 | 58.7 | 60.3 | 61.6 | 61.6 | 61.8 | 62.0 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 65 (650) | 94.0 | 55.7 | 58.7 | 60.3 | 61.6 | 61.6 | 61.8 | 62.0 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 70 (700) | 94.0 | 55.7 | 58.7 | 60.3 | 61.6 | 61.6 | 61.8 | 62.0 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 75 (750) | 94.0 | 56.7 | 59.7 | 61.3 | 62.6 | 62.6 | 62.8 | 63.0 | 63.0 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| 80 (800) | 94.2 | 59.5 | 62.5 | 64.1 | 65.4 | 65.4 | 65.6 | 65.8 | 65.8 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| 85 (850) | 94.2 | 59.6 | 62.8 | 64.4 | 65.7 | 65.7 | 65.9 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| 90 (900) | 94.8 | 63.9 | 67.5 | 69.4 | 70.6 | 70.6 | 70.9 | 71.1 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| 95 (950) | 94.8 | 64.2 | 68.6 | 70.6 | 71.9 | 71.9 | 72.2 | 72.4 | 72.4 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| 100 (1000) | 94.8 | 65.3 | 69.7 | 70.9 | 72.2 | 72.2 | 72.4 | 72.6 | 72.6 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 105 (1050) | 94.8 | 66.6 | 70.5 | 72.4 | 73.7 | 73.7 | 73.9 | 74.1 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 110 (1100) | 94.8 | 69.5 | 73.2 | 75.5 | 76.9 | 76.9 | 77.1 | 77.3 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 115 (1150) | 94.8 | 71.6 | 75.6 | 77.6 | 79.2 | 79.2 | 79.5 | 79.7 | 79.7 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| 120 (1200) | 94.8 | 74.2 | 78.5 | 81.1 | 82.6 | 82.6 | 82.8 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| 125 (1250) | 94.8 | 76.9 | 81.5 | 84.1 | 86.0 | 86.0 | 86.1 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 130 (1300) | 94.8 | 77.5 | 82.2 | 84.8 | 86.9 | 86.9 | 87.0 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 135 (1350) | 94.8 | 78.5 | 83.5 | 86.3 | 88.6 | 88.6 | 88.7 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 140 (1400) | 94.8 | 79.6 | 84.7 | 87.2 | 89.4 | 89.4 | 89.5 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| 145 (1450) | 94.8 | 79.7 | 84.8 | 87.2 | 89.4 | 89.4 | 91.4 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| 150 (1500) | 94.8 | 79.9 | 85.2 | 87.5 | 89.4 | 89.4 | 92.2 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 155 (1550) | 94.8 | 79.9 | 85.2 | 87.5 | 89.4 | 89.4 | 92.2 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 160 (1600) | 94.8 | 80.0 | 85.4 | 87.5 | 89.5 | 89.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 165 (1650) | 94.8 | 80.1 | 85.6 | 87.5 | 89.5 | 89.5 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| 170 (1700) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 175 (1750) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 180 (1800) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 185 (1850) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 190 (1900) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 195 (1950) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 200 (2000) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 205 (2050) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 210 (2100) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 215 (2150) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 220 (2200) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 225 (2250) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 230 (2300) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 235 (2350) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 240 (2400) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 245 (2450) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 250 (2500) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 255 (2550) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 260 (2600) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 265 (2650) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 270 (2700) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 275 (2750) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 280 (2800) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 285 (2850) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 290 (2900) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 295 (2950) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 300 (3000) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 305 (3050) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 310 (3100) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 315 (3150) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 320 (3200) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 325 (3250) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 330 (3300) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 335 (3350) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 340 (3400) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 345 (3450) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 350 (3500) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 355 (3550) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 360 (3600) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 365 (3650) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 370 (3700) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 375 (3750) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 380 (3800) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 385 (3850) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 390 (3900) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 395 (3950) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 400 (4000) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 405 (4050) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 410 (4100) | 94.8 | 80.2 | 85.7 | 87.5 | 89.5 | 89.5 | 93 | | | | | | | | | |

GENERAL CLIMATOLOGY BRANCH
 NSAF/STAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 77-84
 MONTH: OCT HOURS: 0000Z ALL

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 14 | 11 | 06 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 |
| | 14 | 11 | 06 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 |
| 99 | 0.6 | 94.5 | 47.5 | 45.4 | 49.4 | 45.7 | 49.9 | 53.1 | 53.1 | 50.2 | 53.1 | 50.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| 95 | 9.5 | 53.2 | 53.2 | 54.4 | 56.7 | 56.3 | 56.6 | 56.4 | 56.4 | 57.0 | 57.1 | 57.1 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.4 |
| 91 | 9.4 | 53.3 | 53.3 | 54.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 57.1 | 57.1 | 57.1 | 57.2 | 57.2 | 57.2 | 57.2 | 57.4 |
| 87 | 9.4 | 53.3 | 53.3 | 54.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 57.1 | 57.1 | 57.1 | 57.2 | 57.2 | 57.2 | 57.2 | 57.4 |
| 83 | 9.6 | 51.4 | 53.4 | 55.2 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 57.1 | 57.2 | 57.2 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.6 |
| 79 | 9.6 | 51.4 | 54.2 | 55.9 | 57.0 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.4 |
| 75 | 8.9 | 53.8 | 56.4 | 57.7 | 57.9 | 58.2 | 60.5 | 63.4 | 63.4 | 63.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| 71 | 9.4 | 54.3 | 57.2 | 58.2 | 60.1 | 60.4 | 60.7 | 61.0 | 61.0 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.5 |
| 67 | 10.4 | 53.4 | 62.3 | 64.2 | 65.5 | 65.9 | 66.2 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| 63 | 10.6 | 59.7 | 63.6 | 65.5 | 66.9 | 67.3 | 67.6 | 67.8 | 67.8 | 67.8 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.4 |
| 59 | 10.7 | 60.3 | 64.0 | 65.9 | 67.2 | 67.7 | 68.0 | 68.2 | 68.2 | 68.2 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.7 |
| 55 | 10.9 | 61.6 | 65.7 | 67.7 | 69.1 | 69.5 | 69.9 | 70.1 | 70.2 | 70.2 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.7 |
| 51 | 10.9 | 63.9 | 68.2 | 70.3 | 71.9 | 72.4 | 72.7 | 73.0 | 73.1 | 73.1 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.6 |
| 47 | 11.1 | 66.9 | 71.5 | 73.7 | 75.4 | 75.9 | 76.2 | 76.5 | 76.6 | 76.7 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 77.0 |
| 43 | 11.4 | 70.0 | 74.4 | 77.4 | 79.2 | 79.7 | 80.1 | 80.4 | 80.5 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.9 |
| 39 | 11.7 | 73.0 | 73.1 | 80.9 | 82.9 | 83.5 | 83.9 | 84.3 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.9 |
| 35 | 12.0 | 74.2 | 79.6 | 82.5 | 84.7 | 85.4 | 85.7 | 86.1 | 86.2 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| 31 | 12.0 | 75.2 | 81.7 | 83.7 | 86.1 | 86.6 | 87.1 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 27 | 12.0 | 75.3 | 83.4 | 83.8 | 86.1 | 86.6 | 87.2 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 23 | 12.0 | 76.1 | 81.7 | 84.9 | 87.4 | 88.2 | 88.7 | 89.1 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 19 | 12.0 | 76.4 | 82.3 | 85.6 | 88.3 | 89.1 | 89.7 | 90.1 | 90.2 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 15 | 12.0 | 76.7 | 87.0 | 90.5 | 89.9 | 90.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 11 | 12.0 | 76.7 | 87.9 | 90.3 | 89.4 | 90.4 | 91.1 | 91.5 | 91.6 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| 7 | 12.0 | 76.8 | 87.1 | 90.7 | 89.9 | 91.1 | 91.9 | 92.3 | 92.4 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 3 | 12.0 | 76.9 | 83.2 | 87.5 | 90.6 | 91.8 | 92.6 | 93.1 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 0 | 12.0 | 77.1 | 83.3 | 87.2 | 90.9 | 92.1 | 92.7 | 93.5 | 93.7 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 0 | 12.0 | 77.1 | 87.5 | 90.4 | 91.4 | 92.7 | 93.6 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 0 | 12.0 | 77.1 | 83.6 | 87.6 | 91.6 | 92.0 | 94.0 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 0 | 12.0 | 77.1 | 87.6 | 90.6 | 91.7 | 93.1 | 94.7 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| 0 | 12.0 | 77.1 | 83.6 | 87.6 | 91.7 | 93.2 | 94.4 | 95.5 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 0 | 12.0 | 77.1 | 83.6 | 87.6 | 91.6 | 93.2 | 94.6 | 95.5 | 95.9 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| 0 | 12.0 | 77.1 | 87.6 | 87.6 | 91.4 | 93.2 | 94.6 | 95.6 | 95.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |

TOTAL NUMBER OF OBSERVATIONS: 7440

WORLD WEATHER SERVICE
METEOROLOGICAL SERVICE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM hourly OBSERVATIONS

STATION NUMBER: 7247 STATION NAME: MCQUEEN AFB TX

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 0000-0200

| CEILING | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|-----------------------------|-----------|-----------|---------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| | GE 1/4 | GE 1/2 | GE 3/4 | 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 12 | GE 15 |
| 4000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| 3500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| 3000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| 2500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| 2000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| 1500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| 1000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| 500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| 0 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |

WORLD WEATHER SERVICE

CLIMATE CLIMATOLOGY BRANCH
 USAF/TTC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS: 0300-0500

| CEILING 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 0 |
| 4000 | 4.1 | 42.0 | 44.1 | 45.0 | 45.7 | 45.9 | 45.6 | 45.6 | 45.6 | 45.6 | 45.9 | 47.1 | 47.0 | 47.0 | 47.0 | 47.0 | 47.3 |
| 3800 | 8.1 | 44.2 | 46.6 | 47.4 | 48.1 | 48.3 | 48.7 | 49.2 | 49.2 | 49.2 | 49.2 | 49.4 | 49.4 | 49.6 | 49.6 | 49.6 | 49.9 |
| 3600 | 8.1 | 44.3 | 46.8 | 47.7 | 48.3 | 48.6 | 49.0 | 49.2 | 49.2 | 49.6 | 49.7 | 49.7 | 49.7 | 49.8 | 49.9 | 49.9 | 50.1 |
| 3400 | 8.1 | 44.3 | 46.8 | 47.7 | 48.3 | 48.6 | 49.0 | 49.2 | 49.2 | 49.6 | 49.7 | 49.7 | 49.7 | 49.8 | 49.9 | 49.9 | 50.1 |
| 3200 | 8.1 | 44.4 | 46.9 | 47.8 | 48.4 | 48.7 | 49.0 | 49.3 | 49.3 | 49.7 | 49.7 | 49.8 | 49.8 | 49.9 | 49.9 | 49.9 | 50.2 |
| 3000 | 8.1 | 44.4 | 46.9 | 47.9 | 48.6 | 48.8 | 49.0 | 49.3 | 49.3 | 49.7 | 49.7 | 49.8 | 49.8 | 49.9 | 49.9 | 49.9 | 50.2 |
| 2800 | 8.1 | 46.7 | 49.4 | 50.4 | 51.2 | 51.6 | 51.9 | 52.2 | 52.2 | 52.6 | 52.7 | 52.7 | 52.7 | 52.8 | 52.8 | 52.8 | 53.1 |
| 2600 | 8.1 | 46.8 | 49.6 | 50.6 | 51.4 | 51.7 | 52.0 | 52.3 | 52.3 | 52.7 | 52.7 | 52.8 | 52.8 | 52.9 | 52.9 | 52.9 | 53.2 |
| 2400 | 8.3 | 49.4 | 52.2 | 53.2 | 54.1 | 54.3 | 54.7 | 55.0 | 55.0 | 55.4 | 55.4 | 55.4 | 55.4 | 55.6 | 55.6 | 55.6 | 55.9 |
| 2200 | 8.4 | 50.6 | 53.3 | 54.3 | 55.2 | 55.4 | 55.8 | 56.1 | 56.1 | 56.4 | 56.4 | 56.6 | 56.6 | 56.7 | 56.7 | 56.7 | 57.0 |
| 2000 | 8.4 | 51.8 | 54.7 | 55.7 | 56.6 | 56.8 | 57.1 | 57.4 | 57.4 | 57.8 | 57.8 | 57.9 | 57.9 | 58.0 | 58.0 | 58.0 | 58.3 |
| 1800 | 8.4 | 54.6 | 58.1 | 59.2 | 60.2 | 60.4 | 60.8 | 61.1 | 61.1 | 61.4 | 61.4 | 61.6 | 61.6 | 61.7 | 61.7 | 61.7 | 62.0 |
| 1600 | 8.6 | 57.6 | 61.1 | 62.4 | 63.4 | 63.9 | 64.3 | 64.7 | 64.7 | 65.0 | 65.0 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.6 |
| 1400 | 8.1 | 57.0 | 62.8 | 64.4 | 65.4 | 66.1 | 66.6 | 66.9 | 66.9 | 67.2 | 67.2 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.8 |
| 1200 | 8.7 | 61.4 | 65.3 | 67.0 | 68.4 | 68.7 | 69.1 | 69.4 | 69.4 | 69.6 | 69.6 | 69.9 | 69.9 | 70.0 | 70.0 | 70.0 | 70.3 |
| 1000 | 8.7 | 63.2 | 67.6 | 69.3 | 71.4 | 71.2 | 71.7 | 72.0 | 72.0 | 72.3 | 72.3 | 72.4 | 72.4 | 72.6 | 72.6 | 72.6 | 72.9 |
| 800 | 8.7 | 64.2 | 68.7 | 70.6 | 72.5 | 72.7 | 73.1 | 73.4 | 73.4 | 73.8 | 73.8 | 73.9 | 73.9 | 74.0 | 74.0 | 74.0 | 74.3 |
| 600 | 8.7 | 65.0 | 69.6 | 71.5 | 73.5 | 73.7 | 74.1 | 74.4 | 74.4 | 74.8 | 74.8 | 74.9 | 74.9 | 75.0 | 75.0 | 75.0 | 75.3 |
| 400 | 8.7 | 65.1 | 69.7 | 71.7 | 73.7 | 73.9 | 74.3 | 74.6 | 74.6 | 75.0 | 75.0 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.4 |
| 200 | 8.7 | 67.0 | 71.7 | 74.3 | 76.2 | 76.6 | 77.1 | 77.4 | 77.4 | 77.8 | 77.8 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 | 78.3 |
| 0 | 8.7 | 68.4 | 73.0 | 75.7 | 78.1 | 78.4 | 79.0 | 79.3 | 79.3 | 79.7 | 79.7 | 79.8 | 79.8 | 79.9 | 79.9 | 79.9 | 80.2 |
| 4000 | 8.7 | 68.9 | 73.5 | 76.3 | 78.7 | 79.0 | 80.1 | 80.4 | 80.4 | 80.8 | 80.8 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.3 |
| 3800 | 8.7 | 70.3 | 75.0 | 77.8 | 80.3 | 80.6 | 81.7 | 82.0 | 82.0 | 82.4 | 82.4 | 82.7 | 82.7 | 82.8 | 82.8 | 82.8 | 83.2 |
| 3600 | 8.7 | 70.6 | 75.3 | 78.1 | 80.6 | 80.9 | 82.0 | 82.3 | 82.3 | 82.7 | 82.7 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.4 |
| 3400 | 8.7 | 70.7 | 75.4 | 78.2 | 80.7 | 81.0 | 82.1 | 82.4 | 82.4 | 82.8 | 82.8 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.6 |
| 3200 | 8.7 | 70.7 | 75.4 | 78.2 | 80.7 | 81.0 | 82.1 | 82.4 | 82.4 | 82.8 | 82.8 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.6 |
| 3000 | 8.7 | 70.9 | 75.6 | 78.4 | 80.9 | 81.2 | 82.3 | 82.6 | 82.6 | 83.0 | 83.0 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.7 |
| 2800 | 8.7 | 71.4 | 77.1 | 80.1 | 82.6 | 82.9 | 84.0 | 84.3 | 84.3 | 84.7 | 84.7 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.4 |
| 2600 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |
| 2400 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |
| 2200 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |
| 2000 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |
| 1800 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |
| 1600 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |
| 1400 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |
| 1200 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |
| 1000 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |
| 800 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |
| 600 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |
| 400 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |
| 200 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |
| 0 | 8.7 | 71.6 | 77.3 | 80.3 | 82.8 | 83.1 | 84.2 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.6 |

TOTAL NUMBER OF OBSERVATIONS: 100

GLOBAL CLIMATOLOGY BRANCH
 HAFSLTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 72496 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(LST): 0600-0800

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 1/2 | 5/8 | 3/4 | 7/8 | 1 | 1 1/2 | 2 | 3/2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 |
| 500 | 42.7 | 36.9 | 35.6 | 40.7 | 41.6 | 41.9 | 42.4 | 42.4 | 42.6 | 42.8 | 43.7 | 43.0 | 43.3 | 43.3 | 43.6 | 43.7 | |
| 600 | 42.9 | 40.8 | 42.7 | 45.7 | 47.0 | 47.4 | 47.7 | 48.0 | 48.1 | 48.4 | 48.6 | 48.8 | 48.8 | 49.1 | 49.1 | 49.3 | 49.7 |
| 700 | 42.9 | 41.9 | 43.4 | 45.8 | 47.1 | 47.6 | 48.1 | 48.1 | 48.1 | 48.2 | 48.6 | 48.8 | 48.8 | 49.2 | 49.2 | 49.4 | 49.6 |
| 800 | 42.9 | 41.1 | 43.7 | 46.0 | 47.3 | 47.8 | 48.7 | 48.3 | 48.4 | 48.8 | 49.0 | 49.0 | 49.3 | 49.4 | 49.4 | 49.7 | 50.0 |
| 900 | 43.0 | 41.8 | 44.3 | 46.8 | 48.1 | 48.6 | 49.1 | 49.1 | 49.2 | 49.6 | 49.9 | 49.8 | 50.2 | 50.2 | 50.4 | 50.8 | |
| 1000 | 43.1 | 42.8 | 46.2 | 48.8 | 50.3 | 50.8 | 51.3 | 51.6 | 51.7 | 52.0 | 52.2 | 52.2 | 52.7 | 52.7 | 52.9 | 53.2 | |
| 1100 | 43.1 | 43.5 | 46.4 | 48.9 | 50.4 | 50.9 | 51.4 | 51.7 | 51.8 | 52.1 | 52.7 | 52.3 | 52.8 | 52.8 | 53.0 | 53.3 | |
| 1200 | 43.4 | 44.2 | 48.6 | 51.4 | 53.2 | 53.8 | 54.3 | 54.6 | 54.7 | 55.0 | 55.2 | 55.2 | 55.7 | 55.7 | 55.9 | 56.2 | |
| 1300 | 43.4 | 43.6 | 49.2 | 52.2 | 54.3 | 54.9 | 55.4 | 55.7 | 56.0 | 56.1 | 57.1 | 57.1 | 57.3 | 57.8 | 58.0 | 58.3 | |
| 1400 | 43.4 | 44.1 | 51.2 | 53.7 | 55.9 | 56.4 | 57.0 | 57.2 | 57.7 | 57.7 | 57.9 | 57.9 | 58.3 | 58.3 | 58.6 | 58.9 | |
| 1500 | 43.6 | 43.7 | 54.1 | 56.8 | 58.9 | 59.4 | 60.0 | 60.2 | 60.3 | 60.7 | 60.9 | 60.9 | 61.4 | 61.4 | 61.7 | 62.0 | |
| 1600 | 43.6 | 43.8 | 56.4 | 59.1 | 61.3 | 61.9 | 62.4 | 62.7 | 62.8 | 63.1 | 63.4 | 63.4 | 63.8 | 64.0 | 64.2 | 64.6 | |
| 1700 | 43.7 | 44.1 | 58.6 | 61.8 | 64.0 | 64.6 | 65.2 | 65.4 | 65.6 | 65.9 | 66.2 | 66.2 | 66.8 | 66.8 | 67.0 | 67.3 | |
| 1800 | 43.7 | 44.6 | 60.7 | 63.8 | 66.1 | 66.8 | 67.4 | 67.7 | 67.8 | 68.1 | 68.4 | 68.4 | 69.0 | 69.0 | 69.2 | 69.6 | |
| 1900 | 43.7 | 44.6 | 62.8 | 66.3 | 68.5 | 69.2 | 69.7 | 70.2 | 70.6 | 70.7 | 71.0 | 71.3 | 71.9 | 71.9 | 72.1 | 72.4 | |
| 2000 | 43.8 | 44.7 | 64.9 | 68.7 | 71.4 | 72.2 | 72.9 | 73.1 | 73.2 | 73.6 | 73.9 | 74.4 | 74.4 | 74.7 | 75.0 | | |
| 2100 | 43.8 | 44.8 | 66.4 | 70.7 | 73.7 | 74.4 | 75.0 | 75.0 | 75.6 | 75.7 | 76.0 | 76.7 | 76.3 | 76.9 | 76.9 | 77.1 | 77.4 |
| 2200 | 43.8 | 45.4 | 67.8 | 72.8 | 76.7 | 76.4 | 76.8 | 76.8 | 76.8 | 76.7 | 77.0 | 77.3 | 77.9 | 77.9 | 78.1 | 78.4 | |
| 2300 | 43.8 | 46.2 | 69.4 | 73.8 | 77.1 | 76.5 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| 2400 | 43.8 | 47.2 | 71.4 | 75.4 | 77.7 | 77.1 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| 2500 | 43.8 | 48.2 | 73.0 | 77.0 | 79.3 | 78.7 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| 2600 | 43.8 | 49.2 | 74.6 | 78.6 | 80.9 | 80.3 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| 2700 | 43.8 | 50.2 | 76.2 | 80.2 | 82.7 | 82.1 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 2800 | 43.8 | 51.2 | 77.8 | 81.8 | 84.5 | 83.9 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| 2900 | 43.8 | 52.2 | 79.4 | 83.4 | 86.3 | 85.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 3000 | 43.8 | 53.2 | 81.0 | 85.0 | 88.1 | 87.5 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| 3100 | 43.8 | 54.2 | 82.6 | 86.6 | 89.9 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 3200 | 43.8 | 55.2 | 84.2 | 88.2 | 91.7 | 91.1 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 3300 | 43.8 | 56.2 | 85.8 | 89.8 | 93.5 | 92.9 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 3400 | 43.8 | 57.2 | 87.4 | 91.4 | 95.3 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 3500 | 43.8 | 58.2 | 89.0 | 93.0 | 97.1 | 96.5 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| 3600 | 43.8 | 59.2 | 90.6 | 94.6 | 98.9 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 3700 | 43.8 | 60.2 | 92.2 | 96.2 | 100.7 | 100.1 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 |
| 3800 | 43.8 | 61.2 | 93.8 | 97.8 | 102.5 | 101.9 | 102.3 | 102.3 | 102.3 | 102.3 | 102.3 | 102.3 | 102.3 | 102.3 | 102.3 | 102.3 | 102.3 |
| 3900 | 43.8 | 62.2 | 95.4 | 99.4 | 104.3 | 103.7 | 104.1 | 104.1 | 104.1 | 104.1 | 104.1 | 104.1 | 104.1 | 104.1 | 104.1 | 104.1 | 104.1 |
| 4000 | 43.8 | 63.2 | 97.0 | 101.0 | 106.1 | 105.5 | 105.9 | 105.9 | 105.9 | 105.9 | 105.9 | 105.9 | 105.9 | 105.9 | 105.9 | 105.9 | 105.9 |
| 4100 | 43.8 | 64.2 | 98.6 | 102.6 | 107.9 | 107.3 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 |
| 4200 | 43.8 | 65.2 | 100.2 | 104.2 | 109.7 | 109.1 | 109.5 | 109.5 | 109.5 | 109.5 | 109.5 | 109.5 | 109.5 | 109.5 | 109.5 | 109.5 | 109.5 |
| 4300 | 43.8 | 66.2 | 101.8 | 105.8 | 111.5 | 110.9 | 111.3 | 111.3 | 111.3 | 111.3 | 111.3 | 111.3 | 111.3 | 111.3 | 111.3 | 111.3 | 111.3 |
| 4400 | 43.8 | 67.2 | 103.4 | 107.4 | 113.3 | 112.7 | 113.1 | 113.1 | 113.1 | 113.1 | 113.1 | 113.1 | 113.1 | 113.1 | 113.1 | 113.1 | 113.1 |
| 4500 | 43.8 | 68.2 | 105.0 | 109.0 | 115.1 | 114.5 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 |
| 4600 | 43.8 | 69.2 | 106.6 | 110.6 | 116.9 | 116.3 | 116.7 | 116.7 | 116.7 | 116.7 | 116.7 | 116.7 | 116.7 | 116.7 | 116.7 | 116.7 | 116.7 |
| 4700 | 43.8 | 70.2 | 108.2 | 112.2 | 118.7 | 118.1 | 118.5 | 118.5 | 118.5 | 118.5 | 118.5 | 118.5 | 118.5 | 118.5 | 118.5 | 118.5 | 118.5 |
| 4800 | 43.8 | 71.2 | 109.8 | 113.8 | 120.5 | 120.0 | 120.4 | 120.4 | 120.4 | 120.4 | 120.4 | 120.4 | 120.4 | 120.4 | 120.4 | 120.4 | 120.4 |
| 4900 | 43.8 | 72.2 | 111.4 | 115.4 | 122.3 | 121.8 | 122.2 | 122.2 | 122.2 | 122.2 | 122.2 | 122.2 | 122.2 | 122.2 | 122.2 | 122.2 | 122.2 |
| 5000 | 43.8 | 73.2 | 113.0 | 117.0 | 124.1 | 123.6 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 |
| 5100 | 43.8 | 74.2 | 114.6 | 118.6 | 125.9 | 125.4 | 125.8 | 125.8 | 125.8 | 125.8 | 125.8 | 125.8 | 125.8 | 125.8 | 125.8 | 125.8 | 125.8 |
| 5200 | 43.8 | 75.2 | 116.2 | 120.2 | 127.7 | 127.2 | 127.6 | 127.6 | 127.6 | 127.6 | 127.6 | 127.6 | 127.6 | 127.6 | 127.6 | 127.6 | 127.6 |
| 5300 | 43.8 | 76.2 | 117.8 | 121.8 | 129.5 | 129.0 | 129.4 | 129.4 | 129.4 | 129.4 | 129.4 | 129.4 | 129.4 | 129.4 | 129.4 | 129.4 | 129.4 |
| 5400 | 43.8 | 77.2 | 119.4 | 123.4 | 131.3 | 130.8 | 131.2 | 131.2 | 131.2 | 131.2 | 131.2 | 131.2 | 131.2 | 131.2 | 131.2 | 131.2 | 131.2 |
| 5500 | 43.8 | 78.2 | 121.0 | 125.0 | 133.1 | 132.6 | 133.0 | 133.0 | 133.0 | 133.0 | 133.0 | 133.0 | 133.0 | 133.0 | 133.0 | 133.0 | 133.0 |
| 5600 | 43.8 | 79.2 | 122.6 | 126.6 | 134.9 | 134.4 | 134.8 | 134.8 | 134.8 | 134.8 | 134.8 | 134.8 | 134.8 | 134.8 | 134.8 | 134.8 | 134.8 |
| 5700 | 43.8 | 80.2 | 124.2 | 128.2 | 136.7 | 136.2 | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 |
| 5800 | 43.8 | 81.2 | 125.8 | 129.8 | 138.5 | 138.0 | 138.4 | 138.4 | 138.4 | 138.4 | 138.4 | 138.4 | 138.4 | 138.4 | 138.4 | 138.4 | 138.4 |
| 5900 | 43.8 | 82.2 | 127.4 | 131.4 | 140.3 | 140.0 | 140.4 | 140.4 | 140.4 | 140.4 | 140.4 | 140.4 | 140.4 | 140.4 | 140.4 | 140.4 | 140.4 |
| 6000 | 43.8 | 83.2 | 129.0 | 133.0 | 142.1 | 141.8 | 142.2 | 142.2 | 142.2 | 142.2 | 142.2 | 142.2 | 142.2 | 142.2 | 142.2 | 142.2 | 142.2 |
| 6100 | 43.8 | 84.2 | 130.6 | 134.6 | 143.9 | 143.6 | 144.0 | 144.0 | 144.0 | 144.0 | 144.0 | 144.0 | 144.0 | 144.0 | 144.0 | 144.0 | 144.0 |
| 6200 | 43.8 | 85.2 | 132.2 | 136.2 | 145.7 | 145.4 | 145.8 | 145.8 | 145.8 | 145.8 | 145.8 | 145.8 | 145.8 | 145.8 | 145.8 | 145.8 | 145.8 |
| 6300 | 43.8 | 86.2 | 133.8 | 137.8 | 147.5 | 147.2 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 |
| 6400 | 43.8 | 87.2 | 135.4 | 139.4 | 149.3 | 149.0 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 |
| 6500 | 43.8 | 88.2 | 137.0 | 141.0 | 151.1 | 150.8 | 151.2 | 151.2 | 151.2 | 151.2 | 151.2 | 151.2 | 151.2 | 151.2 | 151.2 | 151.2 | 151.2 |
| 6600 | 43.8 | 89.2 | 138.6 | 142.6 | 152.9 | 152.6 | 153.0 | 153.0 | 153.0 | 153.0 | 153.0 | 153.0 | 153.0 | 153.0 | 153.0 | 153.0 | 153.0 |
| 6700 | 43.8 | 90.2 | 140.2 | 144.2 | 154.7 | 154.4 | 154.8 | 154.8 | 154.8 | 154.8 | 154.8 | 154.8 | 154.8 | 154.8 | 154.8 | 154.8 | 154.8 |
| 6800 | 43.8 | 91.2 | 141.8 | 145.8 | 156.5 | 156.2 | 156.6 | 156.6 | 156.6 | 156.6 | 156.6 | 156.6 | 156.6 | 156.6 | 156.6 | 156.6 | 156.6 |
| 6900 | 43.8 | 92.2 | 143.4 | 147.4 | 158.3 | 158.0 | 158.4 | 158.4 | 158.4 | 158.4 | 158.4 | 158.4 | 158.4 | 158.4 | 158.4 | 158.4 | 158.4 |
| 7000 | 43.8 | 93.2 | 145.0 | 149.0 | 160.1 | 160.0 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 |
| 7100 | 43.8 | 94.2 | 146.6 | 150.6 | 161.9 | 161.8 | 162.2 | 162.2 | 162.2 | 162.2 | 162.2 | 162.2 | 162.2 | 162.2 | 162.2 | 162.2 | 162.2 |
| 7200 | 43.8 | 95.2 | 148.2 | 152.2 | 163.7 | 163.6 | 164.0 | 164.0 | 164.0 | 164.0 | 164.0 | 164.0 | 164.0 | 164.0 | 164.0 | 164.0 | 164.0 |
| 7300 | 43.8 | 96.2 | 149.8 | 153.8 | 165.5 | 165.4 | 165.8 | 165.8</ | | | | | | | | | |

NATIONAL CLIMATOLOGY FRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72479E STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0900-1100

| 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 | GE 16 | |
| 40-50 | 6.6 | 76.8 | 38.1 | 37.3 | 47.0 | 40.1 | 47.4 | 40.6 | 40.6 | 40.7 | 47.7 | 40.7 | 40.9 | 40.8 | 40.9 | 40.9 | 40.9 | 40.9 |
| 50-60 | 7.6 | 42.7 | 44.7 | 46.2 | 46.6 | 46.7 | 47.7 | 47.1 | 47.1 | 47.2 | 47.2 | 47.2 | 47.3 | 47.3 | 47.4 | 47.6 | 47.6 | 47.6 |
| 60-70 | 7.6 | 43.3 | 44.7 | 46.2 | 47.2 | 47.3 | 47.7 | 47.8 | 47.8 | 47.9 | 47.9 | 47.9 | 48.0 | 48.0 | 48.1 | 48.2 | 48.2 | 48.2 |
| 70-80 | 7.6 | 43.9 | 44.6 | 46.2 | 47.3 | 47.4 | 47.8 | 47.9 | 47.9 | 48.0 | 48.0 | 48.0 | 48.1 | 48.1 | 48.2 | 48.3 | 48.3 | 48.3 |
| 80-90 | 7.6 | 43.9 | 45.2 | 46.7 | 47.9 | 48.0 | 48.7 | 48.4 | 48.4 | 48.6 | 48.6 | 48.6 | 48.7 | 48.7 | 48.8 | 48.9 | 48.9 | 48.9 |
| 90-100 | 7.7 | 45.0 | 46.6 | 48.4 | 49.2 | 50.0 | 57.3 | 53.6 | 53.6 | 50.7 | 50.7 | 50.7 | 50.8 | 50.8 | 50.9 | 51.0 | 51.0 | 51.0 |
| 100-120 | 7.7 | 45.6 | 47.3 | 47.2 | 57.7 | 50.8 | 51.1 | 51.3 | 51.1 | 51.4 | 51.4 | 51.4 | 51.6 | 51.6 | 51.7 | 51.8 | 51.8 | 51.8 |
| 120-140 | 8.1 | 46.6 | 50.3 | 52.3 | 52.3 | 54.0 | 54.4 | 54.7 | 54.8 | 54.9 | 54.9 | 54.9 | 55.7 | 55.7 | 55.1 | 55.2 | 55.2 | 55.2 |
| 140-160 | 8.1 | 51.4 | 52.3 | 54.4 | 56.4 | 56.5 | 57.3 | 57.6 | 57.6 | 57.7 | 57.8 | 57.8 | 57.9 | 57.9 | 58.0 | 58.1 | 58.1 | 58.1 |
| 160-180 | 8.1 | 51.4 | 57.4 | 55.6 | 57.6 | 57.9 | 58.4 | 58.7 | 58.7 | 58.8 | 58.9 | 58.9 | 59.0 | 59.0 | 59.1 | 59.2 | 59.2 | 59.2 |
| 180-200 | 8.3 | 53.8 | 56.0 | 53.2 | 67.4 | 60.9 | 61.0 | 61.8 | 61.8 | 62.0 | 62.1 | 62.1 | 62.2 | 62.2 | 62.3 | 62.4 | 62.4 | 62.4 |
| 200-250 | 8.5 | 55.6 | 52.0 | 61.4 | 64.1 | 64.6 | 65.2 | 65.4 | 65.4 | 65.7 | 65.8 | 65.8 | 65.9 | 65.9 | 66.0 | 66.1 | 66.1 | 66.1 |
| 250-300 | 8.5 | 54.1 | 51.4 | 64.2 | 67.3 | 67.6 | 68.6 | 68.6 | 68.8 | 69.0 | 69.1 | 69.1 | 69.2 | 69.2 | 69.3 | 69.4 | 69.4 | 69.4 |
| 300-350 | 8.6 | 62.1 | 55.2 | 68.3 | 70.9 | 71.3 | 72.7 | 72.4 | 72.4 | 72.7 | 72.8 | 72.8 | 72.9 | 72.9 | 73.0 | 73.1 | 73.1 | 73.1 |
| 350-400 | 8.7 | 64.1 | 57.4 | 71.1 | 74.1 | 74.6 | 75.4 | 75.7 | 75.7 | 75.9 | 76.0 | 76.0 | 76.1 | 76.1 | 76.2 | 76.3 | 76.3 | 76.3 |
| 400-450 | 8.8 | 62.7 | 60.7 | 73.1 | 76.2 | 76.7 | 77.6 | 77.8 | 77.8 | 78.0 | 78.1 | 78.1 | 78.2 | 78.2 | 78.3 | 78.4 | 78.4 | 78.4 |
| 450-500 | 8.8 | 66.3 | 72.1 | 75.9 | 77.1 | 77.6 | 78.4 | 78.7 | 78.7 | 78.9 | 79.0 | 79.0 | 79.1 | 79.1 | 79.2 | 79.3 | 79.3 | 79.3 |
| 500-550 | 8.8 | 67.3 | 71.1 | 74.9 | 78.1 | 78.6 | 79.4 | 79.7 | 79.7 | 79.9 | 80.0 | 80.0 | 80.1 | 80.1 | 80.2 | 80.3 | 80.3 | 80.3 |
| 550-600 | 8.9 | 67.4 | 72.9 | 77.2 | 80.4 | 81.0 | 81.2 | 82.1 | 82.1 | 82.4 | 82.6 | 82.6 | 82.7 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 |
| 600-650 | 8.9 | 69.3 | 73.9 | 73.7 | 81.2 | 82.4 | 83.2 | 83.6 | 83.6 | 83.9 | 84.0 | 84.0 | 84.1 | 84.1 | 84.2 | 84.3 | 84.3 | 84.3 |
| 650-700 | 8.9 | 70.3 | 74.7 | 79.7 | 83.1 | 84.0 | 84.2 | 85.1 | 85.1 | 85.4 | 85.6 | 85.6 | 85.7 | 85.7 | 85.8 | 85.9 | 85.9 | 85.9 |
| 700-750 | 8.9 | 75.1 | 75.2 | 81.3 | 84.2 | 85.2 | 85.7 | 86.6 | 86.6 | 86.9 | 87.0 | 87.0 | 87.1 | 87.1 | 87.2 | 87.3 | 87.3 | 87.3 |
| 750-800 | 8.9 | 75.7 | 75.6 | 81.3 | 85.3 | 86.4 | 87.6 | 87.9 | 87.9 | 88.3 | 88.4 | 88.4 | 88.5 | 88.6 | 88.7 | 88.8 | 88.8 | 88.8 |
| 800-850 | 8.9 | 76.9 | 76.2 | 81.9 | 85.3 | 86.3 | 89.6 | 90.1 | 90.1 | 90.6 | 90.7 | 90.7 | 90.8 | 90.8 | 90.9 | 91.0 | 91.0 | 91.0 |
| 850-900 | 8.9 | 71.2 | 76.9 | 82.6 | 88.0 | 89.7 | 91.1 | 91.9 | 92.0 | 92.4 | 92.6 | 92.6 | 92.8 | 92.8 | 92.9 | 93.0 | 93.0 | 93.0 |
| 900-950 | 8.9 | 71.3 | 77.1 | 82.6 | 83.7 | 84.9 | 92.4 | 93.8 | 93.9 | 94.4 | 94.6 | 94.6 | 94.9 | 94.9 | 95.1 | 95.2 | 95.3 | 95.3 |
| 950-1000 | 8.9 | 71.3 | 77.1 | 83.1 | 82.4 | 82.1 | 94.2 | 95.7 | 96.0 | 96.9 | 97.1 | 97.1 | 97.4 | 97.4 | 97.7 | 97.8 | 97.9 | 97.9 |
| 1000-1100 | 8.9 | 71.3 | 77.1 | 83.1 | 82.4 | 82.1 | 94.2 | 95.1 | 96.6 | 97.6 | 98.1 | 98.2 | 98.6 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 |
| 1100-1200 | 8.9 | 71.3 | 77.1 | 83.1 | 82.4 | 82.1 | 94.4 | 95.3 | 96.8 | 97.8 | 98.4 | 98.6 | 99.0 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 |
| 1200-1300 | 8.9 | 71.3 | 77.1 | 83.1 | 82.4 | 82.1 | 94.4 | 95.3 | 96.8 | 97.8 | 98.4 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 |
| 1300-1400 | 8.9 | 71.3 | 77.1 | 83.1 | 82.4 | 82.1 | 94.4 | 95.3 | 96.8 | 97.8 | 98.4 | 98.6 | 99.0 | 99.4 | 99.6 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 733

GLOBAL CLIMATOLOGY BRANCH
 WSAFETAC
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(IST): 1200-1400

| 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 7/16 | GE 1/4 | GE 0 | |
| NO CEIL | 39.1 | 37.3 | 39.6 | 39.2 | 37.7 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | |
| 01 120000 | 48.8 | 49.6 | 46.7 | 47.3 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | |
| 01 160000 | 48.8 | 45.0 | 46.4 | 47.6 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | |
| 01 180000 | 48.8 | 45.0 | 46.4 | 47.6 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | |
| 01 140000 | 48.8 | 45.0 | 46.4 | 47.6 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | |
| 01 120000 | 48.9 | 45.6 | 47.0 | 48.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | |
| 01 100000 | 50.1 | 49.0 | 49.6 | 50.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | |
| 01 090000 | 50.1 | 48.7 | 50.2 | 51.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | |
| 01 080000 | 50.3 | 51.6 | 52.8 | 54.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | |
| 01 070000 | 50.7 | 52.6 | 54.9 | 56.4 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | |
| 01 060000 | 50.8 | 53.2 | 55.4 | 57.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | |
| 01 050000 | 50.4 | 54.3 | 56.6 | 58.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | |
| 01 040000 | 51.1 | 56.9 | 59.2 | 61.4 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | |
| 01 030000 | 51.2 | 61.9 | 64.6 | 66.8 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | |
| 01 020000 | 51.6 | 66.3 | 69.3 | 72.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | |
| 01 010000 | 51.0 | 70.0 | 73.1 | 76.0 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | |
| 01 240000 | 52.2 | 71.3 | 74.6 | 77.7 | 79.0 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | |
| 01 230000 | 52.7 | 75.3 | 77.1 | 80.6 | 82.0 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | |
| 01 220000 | 53.6 | 79.2 | 82.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | |
| 01 210000 | 53.6 | 76.6 | 80.7 | 84.3 | 85.7 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | |
| 01 200000 | 53.6 | 77.1 | 81.4 | 85.0 | 86.9 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | |
| 01 190000 | 53.6 | 77.6 | 82.3 | 86.0 | 88.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | |
| 01 180000 | 53.6 | 77.9 | 82.4 | 86.4 | 89.2 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | |
| 01 170000 | 53.6 | 78.2 | 82.9 | 87.1 | 90.1 | 91.4 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | |
| 01 160000 | 53.6 | 78.4 | 83.1 | 87.3 | 90.6 | 92.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | |
| 01 150000 | 53.6 | 78.7 | 83.2 | 87.6 | 90.9 | 92.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | |
| 01 140000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 130000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 120000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 110000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 100000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 090000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 080000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 070000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 060000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 050000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 040000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 030000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 020000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 010000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 240000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 230000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 220000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 210000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 200000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 190000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 180000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 170000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 160000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 150000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 140000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 130000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 120000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 110000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 100000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 090000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 080000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 070000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 060000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 050000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 040000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 030000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 020000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| 01 010000 | 53.6 | 78.7 | 83.3 | 87.7 | 91.4 | 93.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |

TOTAL NUMBER OF OBSERVATIONS: 520

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 704026 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(EST): 1500-1700

| CEILING IN FEET | CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------|-----------------------------|-----------|-----------|---------|-------------|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| | | GE 1 | GE 1/2 | GE 3/4 | GE 1 | GE 1 1/4 | GE 1 1/2 | GE 1 3/4 | GE 2 | GE 2 1/2 | GE 3 | GE 3 1/2 | GE 4 | GE 4 1/2 | GE 5 | GE 5 1/2 | GE 6 |
| NO CELL | 9.4 | 40.0 | 40.4 | 41.0 | 41.3 | 41.3 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| CE 2000 | 11.4 | 49.0 | 49.9 | 50.6 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| CE 1800 | 11.4 | 49.0 | 49.9 | 50.6 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| CE 1600 | 11.4 | 49.0 | 49.9 | 50.6 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| CE 1400 | 11.4 | 49.1 | 50.0 | 50.7 | 51.1 | 51.1 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| CE 1200 | 11.4 | 49.8 | 50.7 | 51.2 | 51.6 | 51.6 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| CE 1000 | 11.8 | 52.2 | 53.0 | 54.4 | 55.0 | 55.0 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| CE 900 | 11.8 | 53.0 | 54.6 | 55.4 | 56.1 | 56.1 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| CE 800 | 12.0 | 54.8 | 56.4 | 57.7 | 58.4 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| CE 700 | 12.1 | 56.7 | 58.6 | 59.9 | 60.7 | 60.7 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| CE 600 | 12.1 | 57.0 | 58.9 | 60.2 | 61.0 | 61.0 | 61.2 | 61.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| CE 500 | 12.7 | 59.0 | 60.9 | 62.3 | 63.2 | 63.3 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| CE 450 | 12.9 | 62.0 | 64.1 | 65.7 | 66.6 | 66.9 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| CE 400 | 12.7 | 65.7 | 67.8 | 69.4 | 70.6 | 70.7 | 70.9 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| CE 350 | 14.1 | 69.7 | 72.1 | 73.7 | 74.9 | 75.1 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| CE 300 | 15.0 | 74.2 | 76.7 | 78.1 | 79.9 | 80.2 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| CE 250 | 15.2 | 75.6 | 78.0 | 80.9 | 82.2 | 82.7 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| CE 200 | 15.2 | 77.1 | 80.2 | 83.0 | 84.3 | 84.8 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| CE 180 | 15.2 | 77.8 | 81.1 | 83.5 | 85.1 | 85.6 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| CE 160 | 15.2 | 78.6 | 82.0 | 85.7 | 87.2 | 87.6 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| CE 140 | 15.2 | 79.2 | 83.0 | 86.8 | 88.3 | 88.9 | 89.4 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| CE 120 | 15.2 | 79.9 | 83.7 | 87.4 | 89.0 | 89.6 | 90.1 | 90.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| CE 100 | 15.2 | 79.9 | 83.7 | 87.7 | 89.7 | 90.3 | 90.9 | 91.2 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| CE 90 | 15.2 | 79.9 | 83.8 | 87.9 | 89.7 | 90.7 | 91.4 | 91.8 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| CE 80 | 15.2 | 80.1 | 84.2 | 88.4 | 90.6 | 91.4 | 92.3 | 92.3 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| CE 70 | 15.2 | 80.1 | 84.2 | 88.6 | 91.0 | 91.9 | 92.9 | 93.6 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| CE 60 | 15.2 | 81.2 | 84.6 | 89.0 | 91.8 | 92.7 | 94.7 | 95.7 | 95.9 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| CE 50 | 15.2 | 80.3 | 84.7 | 89.0 | 92.1 | 93.1 | 95.0 | 96.7 | 96.9 | 97.4 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| CE 40 | 15.2 | 80.3 | 84.7 | 89.3 | 92.3 | 93.4 | 95.6 | 97.4 | 97.8 | 98.8 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| CE 30 | 15.2 | 80.3 | 84.7 | 89.3 | 92.3 | 93.4 | 95.6 | 97.4 | 97.8 | 98.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| CE 20 | 15.2 | 80.3 | 84.7 | 89.3 | 92.3 | 93.4 | 95.6 | 97.4 | 97.8 | 98.6 | 99.6 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GENERAL CLIMATOLOGY BRANCH
WFAFLTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | CE 10 | CE 6 | CE 5 | CE 4 | CE 3 | CE 2 1/2 | CE 2 | CE 1 1/2 | CE 1 1/4 | CE 1 | CE 3/4 | CE 5/8 | CE 1/2 | CE 7/16 | CE 1/4 | CE 5 |
| NO CEIL | 9.3 | 44.4 | 45.6 | 46.2 | 46.9 | 47.2 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.7 | 47.7 | 47.7 | 47.8 |
| CE 2000 | 9.9 | 49.1 | 50.6 | 51.6 | 52.2 | 52.6 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0 | 53.0 | 53.1 |
| CE 1800 | 9.9 | 49.1 | 50.6 | 51.6 | 52.2 | 52.6 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0 | 53.0 | 53.1 |
| CE 1600 | 9.9 | 49.2 | 50.7 | 51.7 | 52.3 | 52.7 | 52.9 | 52.9 | 52.9 | 52.9 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.2 |
| CE 1400 | 10.2 | 49.8 | 51.2 | 52.2 | 52.9 | 53.2 | 53.4 | 53.4 | 53.4 | 53.4 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.8 |
| CE 1200 | 10.2 | 50.4 | 51.9 | 52.9 | 53.6 | 53.9 | 54.1 | 54.1 | 54.1 | 54.1 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.4 |
| CE 1000 | 10.3 | 53.3 | 54.4 | 55.3 | 56.4 | 56.8 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.2 | 57.2 | 57.2 | 57.3 |
| CE 900 | 10.7 | 54.0 | 55.6 | 56.7 | 57.2 | 57.7 | 57.9 | 57.9 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.2 |
| CE 800 | 10.9 | 57.8 | 59.4 | 60.6 | 61.3 | 61.7 | 61.9 | 61.9 | 61.9 | 61.9 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.2 |
| CE 700 | 10.9 | 58.4 | 60.2 | 61.3 | 62.1 | 62.4 | 62.7 | 62.7 | 62.7 | 62.7 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 63.0 |
| CE 600 | 10.9 | 59.1 | 60.9 | 62.3 | 62.8 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.7 |
| CE 500 | 11.0 | 61.6 | 63.6 | 64.7 | 65.4 | 65.8 | 66.1 | 66.1 | 66.1 | 66.1 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.4 |
| CE 450 | 11.2 | 65.1 | 67.0 | 68.1 | 68.9 | 69.2 | 69.6 | 69.6 | 69.6 | 69.6 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 70.0 |
| CE 400 | 11.3 | 65.8 | 67.7 | 68.8 | 69.7 | 70.0 | 70.3 | 70.3 | 70.3 | 70.3 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.7 |
| CE 350 | 12.1 | 69.3 | 71.0 | 72.1 | 73.1 | 73.4 | 73.8 | 73.8 | 73.8 | 73.9 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.2 |
| CE 300 | 12.2 | 70.6 | 72.9 | 74.1 | 75.1 | 75.6 | 75.9 | 75.9 | 75.9 | 76.0 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.3 |
| CE 250 | 12.3 | 72.2 | 74.9 | 76.1 | 77.2 | 77.7 | 78.0 | 78.0 | 78.1 | 78.1 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.8 |
| CE 200 | 12.3 | 73.6 | 76.2 | 77.4 | 78.7 | 79.1 | 79.6 | 79.6 | 79.7 | 79.7 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 80.0 |
| CE 180 | 12.3 | 73.9 | 76.7 | 77.9 | 79.1 | 79.6 | 80.0 | 80.0 | 80.1 | 80.1 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.4 |
| CE 160 | 12.3 | 75.1 | 78.6 | 80.0 | 81.4 | 82.0 | 82.4 | 82.4 | 82.4 | 82.4 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.8 |
| CE 140 | 12.7 | 75.4 | 79.0 | 80.4 | 82.0 | 82.6 | 83.0 | 83.1 | 83.2 | 83.3 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.7 |
| CE 120 | 12.7 | 76.6 | 80.4 | 82.3 | 84.1 | 84.8 | 85.3 | 85.4 | 85.6 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.0 |
| CE 100 | 12.7 | 76.7 | 80.7 | 82.4 | 84.4 | 85.1 | 85.7 | 85.9 | 86.0 | 86.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.4 |
| CE 90 | 12.3 | 77.1 | 81.3 | 83.1 | 85.7 | 86.6 | 87.1 | 87.2 | 87.4 | 87.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 |
| CE 80 | 12.3 | 77.2 | 81.4 | 83.3 | 86.7 | 87.6 | 88.1 | 88.1 | 88.6 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 |
| CE 70 | 12.3 | 77.2 | 81.3 | 83.3 | 87.0 | 87.9 | 88.4 | 88.4 | 88.9 | 89.1 | 89.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.8 |
| CE 60 | 12.3 | 77.4 | 82.0 | 84.0 | 87.6 | 88.3 | 89.7 | 91.0 | 91.2 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 92.0 |
| CE 50 | 12.3 | 77.7 | 82.7 | 84.8 | 88.4 | 89.0 | 91.7 | 92.8 | 93.1 | 93.4 | 93.7 | 93.8 | 93.8 | 93.8 | 93.9 | 94.0 |
| CE 40 | 12.2 | 77.7 | 82.7 | 84.8 | 88.4 | 89.0 | 91.7 | 92.8 | 93.1 | 93.4 | 93.7 | 93.8 | 93.8 | 93.8 | 93.9 | 94.0 |
| CE 30 | 12.2 | 77.7 | 82.7 | 84.8 | 88.4 | 89.0 | 91.7 | 92.8 | 93.1 | 93.4 | 93.7 | 93.8 | 93.8 | 93.8 | 93.9 | 94.0 |
| CE 20 | 12.2 | 77.7 | 82.7 | 84.8 | 88.4 | 89.0 | 91.7 | 92.8 | 93.1 | 93.4 | 93.7 | 93.8 | 93.8 | 93.8 | 93.9 | 94.0 |
| CE 10 | 12.7 | 77.7 | 82.7 | 84.8 | 88.4 | 89.0 | 91.7 | 92.8 | 93.1 | 93.4 | 93.7 | 93.8 | 93.8 | 93.8 | 93.9 | 94.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 70409E STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS (LST): ALL

| 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 0 |
| NO CEIL | 9.1 | 40.6 | 41.7 | 42.7 | 43.4 | 43.5 | 43.7 | 43.8 | 43.8 | 44.0 | 44.1 | 44.1 | 44.1 | 44.1 | 44.2 | 44.3 |
| CE 2000 | 9.1 | 46.1 | 47.4 | 48.6 | 49.4 | 49.6 | 49.8 | 49.9 | 49.9 | 50.0 | 50.1 | 50.1 | 50.2 | 50.2 | 50.3 | 50.5 |
| CE 1800 | 9.1 | 46.2 | 47.6 | 48.7 | 49.6 | 49.8 | 50.0 | 50.1 | 50.1 | 50.2 | 50.3 | 50.3 | 50.4 | 50.4 | 50.5 | 50.7 |
| CE 1600 | 9.1 | 46.2 | 47.6 | 48.8 | 49.6 | 49.8 | 50.0 | 50.1 | 50.1 | 50.2 | 50.3 | 50.3 | 50.4 | 50.4 | 50.5 | 50.7 |
| CE 1400 | 9.2 | 46.4 | 47.9 | 49.0 | 49.9 | 50.0 | 50.3 | 50.2 | 50.4 | 50.5 | 50.6 | 50.6 | 50.7 | 50.7 | 50.8 | 50.9 |
| CE 1200 | 9.2 | 47.0 | 48.4 | 49.6 | 50.5 | 50.7 | 50.9 | 51.0 | 51.0 | 51.1 | 51.2 | 51.2 | 51.3 | 51.3 | 51.4 | 51.6 |
| CE 1000 | 9.7 | 49.4 | 50.9 | 52.2 | 53.2 | 53.4 | 53.6 | 53.8 | 53.8 | 53.9 | 54.0 | 54.0 | 54.1 | 54.1 | 54.2 | 54.3 |
| CE 900 | 9.3 | 49.9 | 51.6 | 52.9 | 53.9 | 54.1 | 54.3 | 54.5 | 54.5 | 54.6 | 54.7 | 54.7 | 54.8 | 54.8 | 54.9 | 55.0 |
| CE 800 | 9.7 | 50.7 | 52.7 | 54.5 | 55.9 | 57.0 | 57.2 | 57.5 | 57.6 | 57.7 | 57.8 | 57.9 | 57.9 | 58.0 | 58.1 | 58.2 |
| CE 700 | 9.7 | 54.0 | 56.0 | 57.4 | 58.7 | 59.9 | 59.2 | 59.3 | 59.3 | 59.5 | 59.6 | 59.6 | 59.7 | 59.7 | 59.7 | 59.9 |
| CE 600 | 9.7 | 54.8 | 56.8 | 58.3 | 59.5 | 59.7 | 60.0 | 60.1 | 60.1 | 60.3 | 60.4 | 60.4 | 60.5 | 60.5 | 60.5 | 60.7 |
| CE 500 | 9.9 | 56.9 | 59.1 | 60.7 | 62.0 | 62.2 | 62.5 | 62.7 | 62.7 | 62.9 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.3 |
| CE 400 | 10.7 | 59.9 | 62.3 | 64.1 | 65.4 | 65.7 | 66.0 | 66.2 | 66.2 | 66.3 | 66.5 | 66.5 | 66.6 | 66.6 | 66.6 | 66.8 |
| CE 300 | 10.7 | 62.2 | 64.6 | 66.5 | 68.0 | 68.2 | 68.6 | 68.7 | 68.8 | 68.9 | 69.0 | 69.0 | 69.2 | 69.2 | 69.2 | 69.4 |
| CE 200 | 11.1 | 65.3 | 68.0 | 70.0 | 71.5 | 71.6 | 72.2 | 72.3 | 72.4 | 72.6 | 72.7 | 72.7 | 72.8 | 72.8 | 73.0 | 73.0 |
| CE 100 | 11.6 | 67.8 | 70.9 | 73.0 | 74.7 | 75.1 | 75.5 | 75.6 | 75.7 | 75.9 | 76.0 | 76.0 | 76.1 | 76.1 | 76.2 | 76.3 |
| CE 0 | 11.6 | 69.3 | 72.5 | 75.0 | 76.8 | 77.3 | 77.7 | 77.8 | 77.9 | 78.1 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.5 |
| CE 2000 | 11.6 | 73.5 | 73.9 | 76.5 | 78.5 | 78.9 | 79.3 | 79.5 | 79.6 | 79.7 | 79.8 | 79.8 | 80.0 | 80.0 | 80.0 | 80.2 |
| CE 1800 | 11.6 | 71.1 | 74.5 | 77.2 | 79.2 | 79.6 | 80.1 | 80.2 | 80.3 | 80.5 | 80.6 | 80.6 | 80.7 | 80.7 | 80.8 | 80.9 |
| CE 1600 | 11.6 | 72.5 | 76.2 | 79.3 | 81.5 | 82.0 | 82.6 | 82.8 | 82.8 | 83.0 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.5 |
| CE 1400 | 11.6 | 73.3 | 77.3 | 80.4 | 82.7 | 83.3 | 83.8 | 84.1 | 84.1 | 84.3 | 84.4 | 84.4 | 84.6 | 84.6 | 84.6 | 84.8 |
| CE 1200 | 11.6 | 74.1 | 78.3 | 81.6 | 84.2 | 84.9 | 85.6 | 85.8 | 85.9 | 86.1 | 86.2 | 86.2 | 86.3 | 86.3 | 86.4 | 86.6 |
| CE 1000 | 11.6 | 74.4 | 78.6 | 82.0 | 84.5 | 85.7 | 86.3 | 86.7 | 86.7 | 86.9 | 87.1 | 87.1 | 87.2 | 87.2 | 87.3 | 87.4 |
| CE 900 | 11.6 | 74.7 | 79.1 | 82.5 | 85.7 | 86.6 | 87.2 | 87.7 | 87.8 | 88.0 | 88.1 | 88.1 | 88.2 | 88.2 | 88.3 | 88.5 |
| CE 800 | 11.6 | 74.9 | 79.5 | 83.2 | 86.5 | 87.6 | 88.4 | 88.6 | 88.7 | 89.2 | 89.4 | 89.4 | 89.5 | 89.5 | 89.6 | 89.7 |
| CE 700 | 11.6 | 75.3 | 79.7 | 83.6 | 87.5 | 88.7 | 89.7 | 89.7 | 90.3 | 90.4 | 90.7 | 90.9 | 91.1 | 91.1 | 91.1 | 91.3 |
| CE 600 | 11.6 | 75.2 | 80.0 | 84.1 | 88.5 | 89.5 | 91.3 | 92.2 | 92.4 | 92.7 | 92.9 | 92.9 | 93.1 | 93.2 | 93.2 | 93.4 |
| CE 500 | 11.6 | 75.4 | 80.2 | 84.5 | 89.1 | 90.8 | 92.5 | 93.8 | 94.0 | 94.5 | 94.8 | 94.8 | 95.0 | 95.0 | 95.1 | 95.3 |
| CE 400 | 11.6 | 75.4 | 80.2 | 84.6 | 89.5 | 91.3 | 93.3 | 94.9 | 95.7 | 96.1 | 96.5 | 96.5 | 96.7 | 96.8 | 96.9 | 97.1 |
| CE 300 | 11.6 | 75.4 | 80.2 | 84.7 | 89.6 | 91.4 | 93.6 | 95.4 | 95.9 | 96.7 | 97.3 | 97.4 | 97.7 | 97.8 | 98.1 | 98.3 |
| CE 200 | 11.6 | 75.4 | 80.4 | 84.7 | 89.6 | 91.5 | 93.7 | 95.5 | 96.0 | 96.9 | 97.5 | 97.6 | 98.0 | 98.2 | 98.6 | 99.4 |
| CE 100 | 11.6 | 75.4 | 80.4 | 84.7 | 89.6 | 91.5 | 93.7 | 95.5 | 96.0 | 96.9 | 97.5 | 97.6 | 98.0 | 98.2 | 98.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7000

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724396 STATION NAME: MCQUIRK AFB NJ

PERIOD OF RECORD: 77-81
MONTH: DEC HOURS/1ST: 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-------------|-------------|-------------|---------|-------------|-------------|-------------|---------|------|
| | 1 | GE 1/2 | GE 3/8 | GE 1/4 | GE 3/8 | GE 1/2 | GE 3/4 | GE 1 | GE 1 1/4 | GE 1 1/2 | GE 1 3/4 | GE 2 | GE 2 1/4 | GE 2 1/2 | GE 2 3/4 | GE 3 | |
| NO CEIL | 7.4 | 44.9 | 45.1 | 47.5 | 48.3 | 48.3 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.8 | 49.8 | 49.8 | 49.9 |
| GE 0000 | 7.5 | 47.7 | 48.9 | 50.5 | 51.3 | 51.3 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.8 | 51.9 | 51.8 | 51.9 |
| GE 1000 | 7.6 | 48.0 | 49.2 | 50.9 | 51.6 | 51.6 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.2 | 52.3 |
| GE 1500 | 7.7 | 48.3 | 49.2 | 50.9 | 51.6 | 51.6 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.2 | 52.2 | 52.3 |
| GE 2000 | 7.8 | 48.0 | 49.2 | 50.9 | 51.6 | 51.6 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.2 | 52.2 | 52.3 |
| GE 2500 | 7.5 | 49.3 | 49.6 | 51.2 | 51.7 | 51.9 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.6 |
| GE 3000 | 8.0 | 51.7 | 53.0 | 54.5 | 55.4 | 55.4 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 56.0 |
| GE 3500 | 8.0 | 52.0 | 53.3 | 54.9 | 55.7 | 55.7 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.2 | 56.2 | 56.2 | 56.3 |
| GE 4000 | 8.4 | 55.6 | 57.3 | 58.7 | 59.5 | 59.5 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 60.0 | 60.0 | 60.0 | 60.1 |
| GE 4500 | 8.4 | 58.2 | 57.5 | 59.4 | 60.1 | 60.1 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.6 | 60.6 | 60.6 | 60.8 |
| GE 5000 | 8.4 | 57.5 | 58.9 | 60.0 | 61.4 | 61.4 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.9 | 61.9 | 61.9 | 62.0 |
| GE 5500 | 8.8 | 60.9 | 62.9 | 64.3 | 65.1 | 65.1 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.6 | 65.6 | 65.6 | 65.7 |
| GE 6000 | 8.9 | 63.4 | 65.2 | 67.2 | 68.1 | 68.2 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.8 |
| GE 6500 | 9.6 | 66.2 | 68.0 | 70.0 | 70.9 | 71.0 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.6 | 71.6 | 71.6 | 71.9 |
| GE 7000 | 9.7 | 67.8 | 69.6 | 71.6 | 72.5 | 72.6 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.5 | 73.5 | 73.5 | 73.9 |
| GE 7500 | 10.0 | 71.7 | 73.5 | 75.9 | 77.2 | 77.7 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.5 | 78.5 | 78.5 | 78.8 |
| GE 8000 | 10.5 | 73.9 | 76.1 | 78.6 | 80.1 | 80.9 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.9 |
| GE 8500 | 10.5 | 74.5 | 77.1 | 79.5 | 81.3 | 82.4 | 82.8 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.5 | 83.5 | 83.5 | 83.9 |
| GE 9000 | 10.5 | 78.6 | 77.2 | 79.7 | 81.5 | 82.6 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.9 | 83.9 | 83.8 | 84.1 |
| GE 9500 | 10.5 | 75.2 | 77.8 | 80.4 | 82.4 | 83.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.8 | 85.1 | 85.1 | 85.1 | 85.4 |
| GE 10000 | 10.5 | 75.4 | 75.1 | 80.8 | 82.7 | 83.9 | 85.1 | 85.1 | 85.2 | 85.4 | 85.4 | 85.4 | 85.4 | 85.6 | 85.6 | 85.6 | 85.9 |
| GE 10500 | 10.7 | 75.8 | 78.0 | 81.3 | 83.4 | 84.6 | 86.3 | 86.5 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 87.1 | 87.1 | 87.1 | 87.4 |
| GE 11000 | 10.5 | 75.2 | 77.1 | 81.9 | 84.1 | 85.6 | 87.1 | 87.2 | 87.3 | 87.6 | 87.6 | 87.6 | 87.6 | 87.8 | 87.8 | 87.8 | 88.3 |
| GE 11500 | 10.5 | 76.5 | 79.5 | 82.9 | 85.1 | 86.7 | 89.2 | 89.3 | 89.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.9 | 89.9 | 89.9 | 90.5 |
| GE 12000 | 10.5 | 76.7 | 79.9 | 83.2 | 85.1 | 87.7 | 89.2 | 89.4 | 89.5 | 89.9 | 89.9 | 89.9 | 89.9 | 90.2 | 90.2 | 90.2 | 90.6 |
| GE 12500 | 10.5 | 76.7 | 80.0 | 83.5 | 86.0 | 88.2 | 89.7 | 89.8 | 89.9 | 90.5 | 90.5 | 90.5 | 90.6 | 91.0 | 91.0 | 91.0 | 91.4 |
| GE 13000 | 10.5 | 76.7 | 81.3 | 84.2 | 87.0 | 89.2 | 91.6 | 92.0 | 92.2 | 92.6 | 92.7 | 92.7 | 92.7 | 93.0 | 93.4 | 93.4 | 93.9 |
| GE 13500 | 10.5 | 76.4 | 80.6 | 84.4 | 88.7 | 91.0 | 93.4 | 94.2 | 94.4 | 95.2 | 95.4 | 95.4 | 95.4 | 95.9 | 95.9 | 95.8 | 96.2 |
| GE 14000 | 10.5 | 76.9 | 80.8 | 85.1 | 89.7 | 91.1 | 94.7 | 94.9 | 95.1 | 96.1 | 96.1 | 96.1 | 96.3 | 96.9 | 96.9 | 97.0 | 97.4 |
| GE 14500 | 10.5 | 76.9 | 81.0 | 85.4 | 89.8 | 91.8 | 94.7 | 95.6 | 95.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.3 | 97.3 | 97.3 | 97.8 |
| GE 15000 | 10.5 | 76.9 | 80.6 | 84.4 | 89.4 | 91.6 | 94.7 | 95.6 | 95.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.3 | 97.3 | 97.3 | 97.8 |
| GE 15500 | 10.5 | 76.5 | 80.6 | 85.4 | 89.6 | 91.8 | 94.7 | 95.6 | 95.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.3 | 97.3 | 97.3 | 97.8 |

TOTAL NUMBER OF OBSERVATIONS: 93

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/PMAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS (LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-----------|-----------|---------|-------------|-------------|-------------|---------|-------------|-------------|-------------|---------|-------------|-------------|-------------|---------|-------------|-------------|
| | GE 1 | GE 1/2 | GE 3/4 | GE 1 | GE 1 1/4 | GE 1 1/2 | GE 1 3/4 | GE 2 | GE 2 1/4 | GE 2 1/2 | GE 2 3/4 | GE 3 | GE 3 1/4 | GE 3 1/2 | GE 3 3/4 | GE 4 | GE 4 1/4 | GE 4 1/2 |
| NO CLIC | 6.7 | 43.8 | 42.4 | 43.9 | 44.3 | 44.4 | 44.7 | 44.8 | 44.6 | 44.6 | 44.9 | 44.6 | 44.6 | 44.9 | 44.9 | 45.1 | 45.1 | 45.1 |
| GE 10000 | 6.1 | 45.8 | 47.6 | 49.2 | 50.2 | 50.3 | 50.6 | 50.9 | 50.9 | 50.4 | 50.9 | 50.9 | 50.9 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 |
| GE 16000 | 6.1 | 45.9 | 47.9 | 49.5 | 50.2 | 50.5 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.2 | 51.2 | 51.3 | 51.3 |
| GE 16500 | 6.1 | 45.9 | 47.8 | 49.5 | 50.2 | 50.5 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.2 | 51.2 | 51.3 | 51.3 |
| GE 14000 | 6.1 | 46.1 | 48.2 | 49.6 | 50.5 | 50.9 | 51.3 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.5 | 51.5 | 51.6 | 51.6 |
| GE 12000 | 6.2 | 47.2 | 49.4 | 51.0 | 51.7 | 52.1 | 52.5 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.7 | 52.7 | 52.8 | 52.8 |
| GE 10000 | 6.2 | 50.1 | 52.2 | 53.6 | 54.7 | 55.1 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.8 | 55.8 |
| GE 9000 | 6.2 | 50.3 | 52.4 | 54.0 | 54.9 | 55.3 | 55.7 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 |
| GE 8000 | 6.6 | 54.2 | 56.5 | 58.2 | 59.2 | 59.6 | 60.0 | 60.1 | 60.1 | 60.2 | 60.3 | 60.3 | 60.3 | 60.3 | 60.4 | 60.4 | 60.5 | 60.5 |
| GE 7000 | 6.9 | 54.8 | 57.2 | 58.9 | 60.7 | 60.3 | 60.6 | 60.9 | 60.9 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 | 61.2 | 61.2 | 61.3 | 61.3 |
| GE 6000 | 6.8 | 55.3 | 57.6 | 59.4 | 60.4 | 60.8 | 61.2 | 61.3 | 61.3 | 61.4 | 61.4 | 61.4 | 61.4 | 61.5 | 61.5 | 61.6 | 61.6 | 61.7 |
| GE 5000 | 7.1 | 58.5 | 61.1 | 62.8 | 63.4 | 64.2 | 64.7 | 64.8 | 64.8 | 64.9 | 65.1 | 65.1 | 65.1 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 |
| GE 4500 | 7.6 | 61.1 | 64.0 | 65.9 | 67.1 | 67.3 | 67.8 | 68.1 | 68.1 | 68.2 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 |
| GE 4000 | 8.3 | 63.2 | 66.3 | 68.3 | 69.9 | 70.2 | 70.8 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 3500 | 8.4 | 65.3 | 68.6 | 71.9 | 72.8 | 73.2 | 74.0 | 74.2 | 74.3 | 74.5 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 |
| GE 3000 | 8.4 | 68.4 | 72.3 | 74.6 | 76.6 | 77.0 | 77.7 | 78.0 | 78.1 | 78.3 | 78.4 | 78.4 | 78.5 | 78.5 | 78.5 | 78.6 | 78.6 | 78.6 |
| GE 2500 | 8.5 | 69.9 | 73.8 | 76.5 | 78.4 | 78.9 | 79.6 | 80.1 | 80.2 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 2000 | 8.6 | 73.6 | 74.8 | 76.5 | 80.2 | 80.9 | 81.7 | 82.3 | 82.4 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 1500 | 8.6 | 71.4 | 75.7 | 75.9 | 81.2 | 81.9 | 82.9 | 83.4 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 1000 | 8.6 | 71.9 | 76.3 | 77.7 | 82.1 | 82.8 | 83.9 | 84.4 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 900 | 8.6 | 72.4 | 77.0 | 81.5 | 87.7 | 84.5 | 85.6 | 86.1 | 86.2 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 800 | 8.6 | 72.8 | 77.5 | 81.9 | 84.5 | 85.4 | 86.5 | 87.0 | 87.1 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE 700 | 8.6 | 73.4 | 78.3 | 82.2 | 85.8 | 86.7 | 87.7 | 88.3 | 88.3 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 600 | 8.6 | 73.8 | 79.1 | 83.1 | 86.9 | 88.0 | 89.0 | 89.6 | 89.6 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 500 | 8.6 | 74.1 | 79.6 | 84.3 | 87.9 | 89.1 | 90.2 | 90.8 | 90.8 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 400 | 8.6 | 74.4 | 80.5 | 85.2 | 89.6 | 91.0 | 92.6 | 93.2 | 93.4 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 300 | 8.6 | 74.5 | 81.1 | 85.4 | 89.5 | 91.9 | 93.8 | 94.6 | 94.6 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 200 | 8.6 | 74.5 | 81.7 | 85.4 | 91.1 | 92.7 | 94.5 | 95.6 | 95.8 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 100 | 8.6 | 74.5 | 81.0 | 86.1 | 91.3 | 92.9 | 94.8 | 95.5 | 95.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 50 | 8.6 | 74.5 | 81.7 | 86.1 | 91.3 | 92.9 | 94.8 | 95.9 | 95.9 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |

TOTAL NUMBER OF OBSERVATIONS: 230

REGIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 0900-1100

| 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 0 |
| NO CEIL | 5.1 | 34.8 | 39.7 | 39.9 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 |
| GE 2000 | 5.4 | 46.2 | 47.5 | 47.7 | 48.4 | 48.5 | 48.5 | 48.5 | 48.5 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 |
| GE 1800 | 5.4 | 46.5 | 47.7 | 48.0 | 48.6 | 48.7 | 48.7 | 48.7 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| GE 1600 | 5.4 | 46.5 | 47.7 | 48.0 | 48.6 | 48.7 | 48.7 | 48.7 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| GE 1400 | 5.4 | 46.5 | 47.7 | 48.0 | 48.6 | 48.7 | 48.7 | 48.7 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| GE 1200 | 5.8 | 47.4 | 48.7 | 48.9 | 49.6 | 49.7 | 49.7 | 49.7 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| GE 1000 | 5.9 | 51.8 | 53.5 | 54.1 | 54.9 | 55.1 | 55.1 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| GE 900 | 5.9 | 52.2 | 53.9 | 54.4 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| GE 800 | 6.5 | 56.7 | 58.6 | 59.2 | 60.3 | 60.4 | 60.5 | 60.6 | 60.6 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 700 | 6.6 | 57.2 | 59.1 | 59.8 | 60.9 | 61.0 | 61.1 | 61.2 | 61.2 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| GE 600 | 6.6 | 57.6 | 59.7 | 60.3 | 61.4 | 61.5 | 61.6 | 61.7 | 61.7 | 61.7 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| GE 500 | 6.8 | 61.2 | 63.3 | 64.3 | 65.1 | 65.2 | 65.4 | 65.5 | 65.5 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 400 | 7.1 | 64.0 | 66.5 | 67.2 | 68.3 | 68.4 | 68.6 | 68.7 | 68.7 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GE 300 | 7.2 | 65.6 | 68.5 | 69.4 | 70.5 | 70.6 | 71.1 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 200 | 7.7 | 69.7 | 72.7 | 73.5 | 75.2 | 75.6 | 76.0 | 76.2 | 76.2 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 100 | 7.7 | 72.4 | 75.9 | 77.1 | 78.5 | 79.1 | 80.0 | 80.2 | 80.2 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 0 | 8.0 | 74.1 | 77.7 | 79.3 | 81.0 | 81.3 | 82.2 | 82.4 | 82.5 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 0 | 8.0 | 74.9 | 78.7 | 80.1 | 82.0 | 82.8 | 83.8 | 84.0 | 84.1 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 0 | 8.1 | 75.6 | 79.4 | 80.9 | 82.8 | 83.5 | 84.5 | 84.7 | 84.8 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 0 | 8.1 | 76.1 | 80.1 | 81.5 | 83.5 | 84.6 | 85.7 | 85.9 | 86.0 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 0 | 8.1 | 76.7 | 80.9 | 82.7 | 84.7 | 85.7 | 86.9 | 87.2 | 87.3 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 0 | 8.1 | 77.1 | 81.4 | 83.3 | 85.5 | 86.5 | 87.6 | 88.0 | 88.2 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| GE 0 | 8.1 | 77.3 | 81.7 | 83.9 | 86.1 | 87.0 | 88.2 | 88.5 | 88.7 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 0 | 8.1 | 77.5 | 81.9 | 84.3 | 86.6 | 87.8 | 89.1 | 89.5 | 89.7 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 0 | 8.1 | 77.7 | 82.3 | 84.7 | 87.7 | 89.0 | 90.6 | 91.0 | 91.2 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 0 | 8.1 | 78.0 | 82.5 | 85.3 | 88.3 | 89.6 | 91.4 | 91.7 | 91.9 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 0 | 8.1 | 78.3 | 82.8 | 85.6 | 89.0 | 91.0 | 93.2 | 93.8 | 94.1 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 0 | 8.1 | 78.4 | 82.9 | 85.9 | 89.4 | 91.6 | 94.0 | 94.8 | 95.2 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 0 | 8.1 | 78.5 | 83.1 | 86.1 | 89.9 | 92.0 | 94.8 | 95.8 | 96.1 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 0 | 8.1 | 78.5 | 83.2 | 86.2 | 89.9 | 92.0 | 94.9 | 95.8 | 96.1 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 0 | 8.1 | 78.5 | 83.1 | 86.1 | 89.9 | 92.0 | 94.9 | 95.8 | 96.1 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |

TOTAL NUMBER OF OBSERVATIONS: 930

GENERAL CLIMATOLOGY BRANCH
 WAFB/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 74096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(EST): 1000-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|
| | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/4 | 2 1/2 | 2 3/4 | 3 | 3 1/4 | 3 1/2 | 3 3/4 | 4 | 4 1/4 | 4 1/2 | 4 3/4 |
| NO CEIL | 5.9 | 41.4 | 43.6 | 41.7 | 41.2 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| 50 | 7.6 | 52.5 | 52.4 | 51.2 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| 100 | 7.7 | 51.0 | 51.3 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| 150 | 7.7 | 51.0 | 51.3 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| 200 | 7.7 | 51.1 | 51.4 | 51.6 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| 250 | 8.7 | 52.0 | 52.4 | 52.5 | 52.7 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| 300 | 8.4 | 55.7 | 56.1 | 56.3 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| 350 | 8.4 | 56.2 | 56.7 | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 400 | 8.8 | 61.5 | 61.9 | 62.7 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 450 | 9.0 | 61.9 | 62.4 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| 500 | 9.1 | 62.3 | 62.8 | 63.5 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| 550 | 9.6 | 65.2 | 65.4 | 66.7 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| 600 | 10.0 | 66.6 | 67.2 | 68.1 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| 650 | 10.0 | 70.1 | 70.3 | 71.6 | 71.8 | 72.0 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| 700 | 10.4 | 74.2 | 75.1 | 76.5 | 76.2 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 750 | 10.4 | 76.9 | 77.8 | 79.1 | 79.5 | 79.9 | 80.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| 800 | 10.5 | 73.8 | 79.9 | 81.3 | 81.6 | 82.0 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| 850 | 10.5 | 73.8 | 81.8 | 83.5 | 83.9 | 84.3 | 84.4 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| 900 | 10.5 | 81.0 | 82.0 | 83.9 | 84.2 | 84.6 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| 950 | 10.5 | 82.4 | 83.7 | 85.6 | 86.3 | 86.9 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| 1000 | 10.5 | 82.6 | 84.3 | 85.2 | 87.1 | 87.7 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 1100 | 10.5 | 83.0 | 84.8 | 87.0 | 88.2 | 88.9 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| 1200 | 10.5 | 83.1 | 84.9 | 87.1 | 88.5 | 89.2 | 90.7 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 1300 | 10.5 | 83.2 | 85.0 | 87.3 | 88.8 | 89.9 | 90.8 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 1400 | 10.5 | 83.3 | 85.4 | 87.6 | 89.1 | 90.4 | 91.5 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| 1500 | 10.5 | 83.3 | 85.4 | 87.5 | 89.7 | 91.1 | 92.3 | 92.7 | 92.9 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 1600 | 10.5 | 83.7 | 85.7 | 88.1 | 90.4 | 92.0 | 93.4 | 93.9 | 94.7 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 1700 | 10.5 | 83.7 | 85.7 | 88.2 | 90.3 | 92.7 | 94.9 | 95.7 | 96.6 | 97.2 | 97.7 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 1800 | 10.5 | 83.8 | 85.6 | 88.3 | 90.9 | 92.8 | 95.1 | 95.9 | 97.1 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 |
| 1900 | 10.5 | 83.8 | 85.3 | 88.3 | 90.8 | 92.6 | 95.1 | 96.1 | 97.3 | 98.7 | 99.1 | 99.2 | 99.5 | 99.7 | 99.8 | 99.8 |
| 2000 | 10.5 | 83.8 | 85.4 | 88.3 | 90.8 | 92.8 | 95.1 | 96.1 | 97.3 | 98.7 | 99.1 | 99.2 | 99.5 | 99.7 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 330

FEDERAL CLIMATOLOGY BRANCH
 DETROIT
 AIR WEATHER SERVICE-ZNAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 72096 STATION NAME: MUSKOGEE AFB ND

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(EST): 1500-1700

| CEILING | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | | |
|---------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-------|-----|-------|-------|-----|-----|-----|-----|------|-----|-----|
| | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 3/8 | 0 |
| 9999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9900 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9700 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9600 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9400 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TOTAL NUMBER OF OBSERVATIONS: 100

NATIONAL CLIMATOLOGY BRANCH
 WSAFLTAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724296 STATION NAME: MCQUIRK AFB TX

PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-----------|-----------|-----------|-----------|-----------|---------|-------------|-------------|-------------|-------------|---------|-------------|---------|---------|---------|
| | GE 1 | GE 3/8 | GE 1/2 | GE 5/8 | GE 3/4 | GE 7/8 | GE 1 | GE 1 1/8 | GE 1 1/4 | GE 1 1/2 | GE 1 3/4 | GE 2 | GE 2 1/2 | GE 3 | GE 4 | GE 5 |
| NO CEIL | 54.3 | 46.1 | 46.0 | 46.9 | 45.9 | 46.9 | 47.0 | 47.0 | 47.0 | 47.2 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 60 | 64.9 | 52.6 | 52.7 | 53.3 | 53.7 | 53.7 | 53.8 | 53.8 | 53.9 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.2 | 54.2 |
| 70 | 64.9 | 52.6 | 52.7 | 53.3 | 53.7 | 53.7 | 53.8 | 53.8 | 53.9 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.2 | 54.2 |
| 80 | 64.9 | 52.6 | 52.7 | 53.3 | 53.7 | 53.7 | 53.8 | 53.8 | 53.9 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.2 | 54.2 |
| 90 | 64.9 | 52.6 | 52.7 | 53.3 | 53.7 | 53.7 | 53.8 | 53.8 | 53.9 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.2 | 54.2 |
| 100 | 74.1 | 57.0 | 57.1 | 57.7 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.6 | 58.6 |
| 110 | 74.1 | 57.0 | 57.1 | 57.7 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.6 | 58.6 |
| 120 | 74.6 | 61.1 | 61.6 | 61.6 | 61.8 | 61.8 | 61.9 | 61.9 | 61.9 | 62.2 | 62.3 | 62.3 | 62.3 | 62.4 | 62.4 | 62.4 |
| 130 | 84.0 | 61.5 | 62.5 | 63.2 | 63.5 | 63.5 | 63.7 | 63.7 | 63.7 | 63.9 | 64.0 | 64.0 | 64.0 | 64.1 | 64.1 | 64.1 |
| 140 | 84.3 | 63.0 | 63.7 | 64.4 | 64.7 | 64.7 | 64.8 | 64.8 | 64.8 | 65.1 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 |
| 150 | 84.7 | 65.6 | 66.2 | 67.1 | 67.4 | 67.4 | 67.5 | 67.5 | 67.5 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 68.0 | 68.0 |
| 160 | 84.7 | 64.1 | 64.7 | 64.8 | 64.9 | 64.9 | 65.2 | 65.3 | 65.3 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| 170 | 84.8 | 73.5 | 73.3 | 73.2 | 73.7 | 73.6 | 73.1 | 73.2 | 73.2 | 73.4 | 73.5 | 73.5 | 73.5 | 73.7 | 73.7 | 73.7 |
| 180 | 84.8 | 71.7 | 72.9 | 73.9 | 74.6 | 75.1 | 75.2 | 75.4 | 75.4 | 75.6 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 |
| 190 | 84.3 | 70.5 | 72.2 | 73.6 | 74.5 | 74.9 | 75.0 | 75.3 | 75.4 | 75.6 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 |
| 200 | 84.1 | 77.4 | 79.0 | 81.6 | 81.5 | 81.9 | 82.7 | 82.4 | 82.5 | 82.7 | 82.8 | 82.8 | 82.9 | 82.9 | 83.0 | 83.0 |
| 210 | 84.1 | 78.5 | 80.0 | 81.7 | 82.4 | 83.2 | 83.7 | 84.0 | 84.1 | 84.2 | 84.4 | 84.4 | 84.5 | 84.5 | 84.6 | 84.6 |
| 220 | 84.1 | 73.9 | 81.4 | 82.3 | 83.3 | 83.6 | 84.2 | 84.5 | 84.6 | 84.8 | 84.9 | 84.9 | 85.1 | 85.1 | 85.2 | 85.2 |
| 230 | 84.1 | 83.1 | 81.6 | 83.7 | 84.9 | 85.4 | 86.1 | 86.5 | 86.6 | 86.8 | 87.0 | 87.0 | 87.1 | 87.1 | 87.2 | 87.2 |
| 240 | 84.1 | 80.3 | 81.9 | 84.1 | 85.6 | 86.1 | 86.9 | 87.2 | 87.3 | 87.5 | 87.7 | 87.7 | 87.9 | 87.8 | 88.0 | 88.0 |
| 250 | 84.1 | 81.3 | 81.8 | 84.1 | 85.7 | 86.2 | 87.1 | 87.4 | 87.5 | 87.7 | 88.0 | 88.0 | 88.1 | 88.1 | 88.2 | 88.2 |
| 260 | 84.1 | 81.3 | 82.1 | 84.4 | 86.6 | 87.1 | 88.0 | 88.5 | 88.7 | 89.0 | 89.2 | 89.2 | 89.4 | 89.4 | 89.5 | 89.5 |
| 270 | 84.1 | 81.4 | 82.5 | 85.1 | 87.3 | 88.0 | 88.5 | 89.4 | 89.6 | 89.9 | 90.1 | 90.1 | 90.2 | 90.2 | 90.3 | 90.3 |
| 280 | 84.1 | 81.5 | 82.6 | 85.2 | 87.7 | 88.7 | 89.6 | 90.2 | 90.4 | 90.8 | 91.0 | 91.0 | 91.1 | 91.1 | 91.2 | 91.2 |
| 290 | 84.1 | 81.2 | 83.3 | 86.1 | 89.1 | 90.2 | 91.0 | 91.9 | 92.0 | 92.5 | 92.7 | 92.7 | 92.8 | 92.8 | 92.9 | 92.9 |
| 300 | 84.1 | 81.2 | 83.7 | 86.9 | 89.6 | 90.6 | 91.6 | 92.8 | 93.0 | 93.7 | 93.9 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 |
| 310 | 84.1 | 81.4 | 82.9 | 86.7 | 90.1 | 91.3 | 93.7 | 93.9 | 94.1 | 94.7 | 95.0 | 95.2 | 95.4 | 95.4 | 95.5 | 95.5 |
| 320 | 84.1 | 81.5 | 84.4 | 86.8 | 90.3 | 91.5 | 93.9 | 93.0 | 93.5 | 96.1 | 96.7 | 96.7 | 96.9 | 96.9 | 97.0 | 97.0 |
| 330 | 84.1 | 81.5 | 84.0 | 86.8 | 90.5 | 91.8 | 94.5 | 94.0 | 95.6 | 97.4 | 98.0 | 98.2 | 98.6 | 98.6 | 99.1 | 99.1 |
| 340 | 84.1 | 81.5 | 84.0 | 86.8 | 90.5 | 91.5 | 94.5 | 96.0 | 96.6 | 97.4 | 98.2 | 98.9 | 98.9 | 99.5 | 99.5 | 99.5 |
| 350 | 84.1 | 81.5 | 84.0 | 86.8 | 90.5 | 91.6 | 94.5 | 96.0 | 96.6 | 97.4 | 98.2 | 98.9 | 98.9 | 99.5 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 53

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-----------|-----------|---------|-------------|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| | GE 1 | GE 1/2 | GE 3/4 | GE 1 | GE 1 1/4 | GE 1 1/2 | GE 1 3/4 | GE 2 | GE 2 1/2 | GE 3 | GE 3 1/2 | GE 4 | GE 4 1/2 | GE 5 | GE 5 1/2 | GE 6 | GE 6 1/2 | GE 7 |
| 5000 | 5.4 | 45.7 | 44.3 | 44.2 | 45.2 | 45.2 | 45.4 | 45.4 | 45.4 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 4000 | 7.1 | 49.7 | 57.4 | 51.1 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| 3000 | 7.1 | 49.9 | 50.6 | 51.3 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| 2000 | 7.1 | 49.9 | 57.7 | 51.3 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| 1000 | 7.2 | 51.6 | 51.4 | 52.1 | 52.4 | 52.5 | 52.7 | 52.7 | 52.7 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| 800 | 7.1 | 44.6 | 55.3 | 56.1 | 56.5 | 56.6 | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| 700 | 7.5 | 44.8 | 55.5 | 56.4 | 56.8 | 56.8 | 56.9 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| 600 | 7.2 | 58.7 | 59.8 | 60.5 | 61.1 | 61.2 | 61.4 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| 500 | 4.7 | 59.7 | 53.7 | 61.6 | 62.1 | 62.2 | 62.3 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 400 | 4.1 | 67.5 | 51.5 | 62.4 | 62.7 | 63.0 | 63.2 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 300 | 4.4 | 53.3 | 54.6 | 65.5 | 66.1 | 66.2 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| 200 | 4.7 | 65.6 | 57.1 | 63.2 | 64.5 | 64.5 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| 100 | 4.0 | 68.4 | 69.2 | 71.3 | 71.8 | 72.0 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| 90 | 4.7 | 71.1 | 72.5 | 74.3 | 75.1 | 75.3 | 75.6 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| 80 | 4.4 | 74.4 | 76.3 | 77.3 | 78.9 | 79.3 | 79.7 | 79.8 | 79.9 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| 70 | 4.6 | 76.1 | 78.3 | 79.9 | 81.2 | 81.5 | 81.9 | 82.1 | 82.2 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| 60 | 4.6 | 77.3 | 79.5 | 81.3 | 82.5 | 82.8 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 50 | 4.6 | 77.5 | 79.8 | 81.6 | 82.9 | 83.5 | 84.1 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 40 | 4.6 | 78.3 | 81.7 | 82.7 | 84.2 | 84.9 | 85.6 | 85.8 | 85.9 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 30 | 4.6 | 73.7 | 81.2 | 83.3 | 84.9 | 85.6 | 86.4 | 86.7 | 86.7 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 20 | 4.6 | 79.0 | 81.7 | 83.7 | 85.7 | 86.5 | 87.4 | 87.6 | 87.9 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 10 | 4.6 | 79.2 | 81.7 | 84.3 | 86.2 | 87.1 | 88.1 | 88.5 | 88.6 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| 9 | 4.6 | 79.4 | 82.3 | 84.5 | 87.1 | 88.1 | 89.1 | 89.5 | 89.7 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 8 | 4.6 | 79.6 | 82.6 | 85.2 | 87.7 | 88.9 | 90.0 | 90.3 | 90.5 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| 7 | 4.6 | 79.8 | 82.7 | 85.7 | 88.5 | 89.8 | 91.0 | 91.6 | 91.7 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| 6 | 4.6 | 79.9 | 83.2 | 86.2 | 89.3 | 90.9 | 92.5 | 93.2 | 93.5 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 5 | 4.6 | 81.0 | 83.4 | 86.5 | 90.0 | 91.8 | 93.8 | 94.9 | 95.2 | 95.6 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 4 | 4.6 | 81.1 | 83.5 | 86.8 | 90.7 | 92.2 | 94.4 | 95.7 | 96.1 | 97.0 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 3 | 4.6 | 80.1 | 83.5 | 86.8 | 90.5 | 92.5 | 94.7 | 96.2 | 96.6 | 97.8 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 2 | 4.6 | 80.1 | 83.5 | 86.5 | 90.5 | 92.5 | 94.5 | 96.2 | 96.7 | 97.9 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 1 | 4.6 | 81.1 | 83.5 | 86.5 | 90.5 | 92.5 | 94.5 | 96.2 | 96.7 | 97.9 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |

TOTAL NUMBER OF OBSERVATIONS: 7440

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C.
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VIEWS & VISIBILITY
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 74454 STATION NAME: MCUIRE AFB TX

PERIOD OF RECORD: 77-87
 MONTH: ALL HOURS(UT): ALL

| CEILING FEET | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | VISIBILITY IN STATUTE MILES | | | | | | | | | | | |
|-----------------|------|------|------|------|------|------|------|------|-----------------------------|-------|-------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | | |
| NO CEIL | 7.7 | 43.1 | 45.3 | 46.8 | 47.4 | 48.1 | 48.3 | 48.5 | 48.5 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 |
| 4000 | 8.1 | 45.9 | 51.7 | 53.5 | 54.7 | 55.1 | 55.4 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| 3000 | 8.1 | 47.0 | 51.2 | 53.7 | 54.9 | 55.3 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| 2000 | 8.1 | 49.0 | 51.9 | 53.7 | 54.9 | 55.3 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| 1500 | 8.2 | 49.2 | 52.1 | 53.9 | 55.2 | 55.5 | 55.8 | 56.0 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| 1000 | 8.5 | 53.5 | 56.2 | 58.3 | 59.7 | 60.1 | 60.5 | 60.6 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| 800 | 8.6 | 53.4 | 56.6 | 58.7 | 60.1 | 60.6 | 60.9 | 61.1 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 600 | 8.8 | 56.8 | 60.4 | 62.7 | 64.3 | 64.8 | 65.2 | 65.3 | 65.4 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| 400 | 9.0 | 57.8 | 61.5 | 63.9 | 65.5 | 66.0 | 66.4 | 66.6 | 66.6 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| 200 | 9.0 | 59.4 | 62.2 | 64.5 | 66.2 | 66.7 | 67.1 | 67.3 | 67.3 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 100 | 9.2 | 60.5 | 64.4 | 66.9 | 68.6 | 69.1 | 69.5 | 69.7 | 69.8 | 69.9 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 50 | 9.4 | 62.7 | 66.8 | 69.4 | 71.3 | 71.6 | 72.2 | 72.5 | 72.5 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 30 | 9.6 | 64.9 | 69.3 | 72.1 | 74.2 | 74.7 | 75.1 | 75.4 | 75.4 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| 20 | 9.9 | 67.3 | 72.0 | 75.0 | 77.2 | 77.8 | 78.3 | 78.5 | 78.6 | 78.7 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| 15 | 10.1 | 69.6 | 74.8 | 78.1 | 80.5 | 81.2 | 81.8 | 82.0 | 82.1 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| 10 | 10.2 | 71.0 | 76.1 | 79.5 | 82.2 | 82.9 | 83.5 | 83.8 | 83.9 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| 8 | 10.2 | 71.8 | 77.1 | 80.7 | 83.4 | 84.2 | 84.9 | 85.2 | 85.2 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 6 | 10.2 | 72.7 | 77.3 | 81.0 | 83.7 | 84.5 | 85.2 | 85.5 | 85.5 | 85.5 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| 4 | 10.2 | 72.7 | 78.3 | 82.1 | 85.2 | 85.8 | 86.6 | 86.9 | 87.0 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 3 | 10.2 | 73.2 | 78.5 | 82.3 | 85.5 | 86.7 | 87.5 | 87.9 | 87.9 | 88.1 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 2 | 10.2 | 73.5 | 79.4 | 83.5 | 86.7 | 87.6 | 88.7 | 89.1 | 89.2 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| 1 1/2 | 10.2 | 73.7 | 79.7 | 83.9 | 87.3 | 88.3 | 89.7 | 89.7 | 89.9 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 1 1/4 | 10.2 | 73.9 | 80.0 | 84.3 | 87.9 | 89.0 | 90.1 | 90.6 | 90.7 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| 1 | 10.2 | 74.1 | 80.3 | 84.7 | 88.5 | 89.8 | 90.9 | 91.5 | 91.6 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| 3/4 | 10.2 | 74.2 | 80.5 | 85.1 | 89.1 | 90.5 | 91.6 | 92.4 | 92.4 | 92.6 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| 5/8 | 10.2 | 74.3 | 80.7 | 85.5 | 89.6 | 91.3 | 92.4 | 93.7 | 93.9 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 1/2 | 10.2 | 74.4 | 80.8 | 85.7 | 90.2 | 91.9 | 92.7 | 94.7 | 95.0 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 3/8 | 10.2 | 74.4 | 80.9 | 85.8 | 90.5 | 92.2 | 94.0 | 95.5 | 95.8 | 96.6 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| 1/4 | 10.2 | 74.4 | 80.9 | 85.9 | 90.6 | 92.4 | 94.5 | 95.9 | 96.2 | 97.1 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 0 | 10.2 | 74.4 | 81.0 | 86.0 | 90.8 | 92.4 | 94.5 | 95.9 | 96.3 | 97.2 | 97.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |

TOTAL NUMBER OF OBSERVATIONS: 17641

NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C.
 AIR WEATHER SERVICE/MAO

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 704094 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JAN

| HOURS (LIST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN | TOT OB |
|-------------------|---|---|------|---|---|---|---|---|------|------|------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| 01-02 | 27.0 | | 17.2 | | | | | | 15.1 | 40.8 | 5.9 | 93 |
| 03-05 | 26.7 | | 17.6 | | | | | | 13.1 | 43.1 | 6.0 | 92 |
| 06-08 | 26.0 | | 23.7 | | | | | | 19.6 | 40.7 | 6.5 | 92 |
| 09-11 | 9.4 | | 26.3 | | | | | | 24.0 | 40.4 | 7.0 | 92 |
| 12-14 | 6.9 | | 24.7 | | | | | | 27.5 | 40.9 | 7.3 | 93 |
| 15-17 | 6.9 | | 26.9 | | | | | | 24.9 | 40.1 | 7.1 | 92 |
| 18-20 | 10.3 | | 29.6 | | | | | | 16.1 | 37.9 | 6.1 | 92 |
| 21-23 | 24.0 | | 21.6 | | | | | | 15.1 | 39.3 | 5.9 | 92 |
| TOTALS | 16.6 | | 23.6 | | | | | | 19.4 | 40.4 | 6.5 | 742 |

STATION NUMBER: 704094 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: FEB

| HOURS (LIST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN | TOT OB |
|-------------------|---|---|------|---|---|---|---|---|------|------|------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| 01-02 | 23.1 | | 26.2 | | | | | | 12.4 | 37.3 | 5.5 | 84 |
| 03-05 | 26.2 | | 26.6 | | | | | | 12.3 | 37.0 | 5.4 | 84 |
| 06-08 | 23.1 | | 23.2 | | | | | | 19.1 | 37.6 | 6.2 | 84 |
| 09-11 | 12.6 | | 26.0 | | | | | | 21.9 | 40.6 | 6.8 | 84 |
| 12-14 | 7.3 | | 26.9 | | | | | | 21.9 | 41.9 | 7.0 | 84 |
| 15-17 | 6.5 | | 27.6 | | | | | | 24.7 | 39.0 | 7.0 | 84 |
| 18-20 | 14.3 | | 26.9 | | | | | | 15.5 | 38.9 | 6.2 | 84 |
| 21-23 | 25.9 | | 24.2 | | | | | | 15.0 | 36.8 | 5.7 | 84 |
| TOTALS | 18.2 | | 24.0 | | | | | | 17.9 | 38.6 | 6.2 | 675 |

GLOBAL CLIMATOLOGY BRANCH
 USAF/FAO
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87
 MONTH: MAR

| HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN | TOT OB | | |
|----------------|---|---|---|------|---|---|---|---|---|---|------|-----------|-----|-----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 | |
| 00-05 | 10.1 | | | 15.0 | | | | | | | 13.4 | 38.5 | 5.6 | 93 |
| 07-05 | 28.3 | | | 16.7 | | | | | | | 14.1 | 34.4 | 5.7 | 92 |
| 16-08 | 15.7 | | | 26.0 | | | | | | | 17.8 | 38.4 | 6.3 | 92 |
| 09-11 | 11.9 | | | 26.9 | | | | | | | 22.6 | 36.5 | 6.7 | 92 |
| 12-14 | 7.6 | | | 27.1 | | | | | | | 25.2 | 40.0 | 7.1 | 92 |
| 15-17 | 7.9 | | | 26.2 | | | | | | | 27.3 | 36.7 | 7.0 | 93 |
| 18-20 | 15.2 | | | 26.6 | | | | | | | 22.2 | 35.6 | 6.4 | 92 |
| 21-23 | 24.1 | | | 22.4 | | | | | | | 14.5 | 33.2 | 5.9 | 92 |
| TOTALS | 17.6 | | | 24.5 | | | | | | | 19.6 | 38.3 | 6.3 | 743 |

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87
 MONTH: APR

| HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN | TOT OB | | |
|----------------|---|---|---|------|---|---|---|---|---|---|------|-----------|-----|-----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 | |
| 00-02 | 29.1 | | | 26.4 | | | | | | | 13.7 | 39.7 | 5.8 | 89 |
| 07-05 | 26.0 | | | 26.5 | | | | | | | 12.0 | 41.5 | 5.6 | 89 |
| 16-05 | 14.4 | | | 23.2 | | | | | | | 22.1 | 40.3 | 6.7 | 89 |
| 09-11 | 10.4 | | | 26.3 | | | | | | | 26.9 | 36.5 | 6.9 | 89 |
| 12-14 | 6.5 | | | 26.2 | | | | | | | 30.4 | 37.0 | 7.2 | 89 |
| 15-17 | 7.7 | | | 23.6 | | | | | | | 29.9 | 36.9 | 7.3 | 89 |
| 18-20 | 9.9 | | | 31.0 | | | | | | | 21.9 | 38.2 | 6.7 | 90 |
| 21-23 | 21.9 | | | 23.7 | | | | | | | 14.6 | 39.8 | 6.0 | 89 |
| TOTALS | 15.2 | | | 24.4 | | | | | | | 21.4 | 37.0 | 6.6 | 717 |

GLOBAL CLIMATOLOGY BRANCH
 WSO/FLTAO
 AIR WEATHER SERVICE/PAO

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 774395 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87
 MONTH: MAY

| HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN | TOT OB | |
|-------------|---|---|---|------|---|---|---|---|---|------|------|--------|-----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| 00-02 | 23.8 | | | 19.6 | | | | | | 16.3 | 40.3 | 6.1 | 91 |
| 03-05 | 17.2 | | | 23.0 | | | | | | 19.4 | 40.5 | 6.5 | 91 |
| 06-08 | 9.7 | | | 24.5 | | | | | | 23.9 | 41.9 | 7.1 | 92 |
| 09-11 | 6.2 | | | 27.7 | | | | | | 28.3 | 37.3 | 7.2 | 92 |
| 12-14 | 2.7 | | | 25.1 | | | | | | 32.4 | 39.5 | 7.6 | 93 |
| 15-17 | 2.5 | | | 28.1 | | | | | | 35.4 | 34.1 | 7.4 | 93 |
| 18-20 | 4.3 | | | 32.6 | | | | | | 24.9 | 34.3 | 7.0 | 93 |
| 21-23 | 14.9 | | | 28.3 | | | | | | 18.7 | 38.1 | 6.3 | 92 |
| TOTALS | 13.2 | | | 26.1 | | | | | | 25.5 | 34.3 | 6.9 | 741 |

STATION NUMBER: 774396 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87
 MONTH: JUN

| HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN | TOT OB | |
|-------------|---|---|---|------|---|---|---|---|---|------|------|--------|-----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| 00-02 | 27.2 | | | 24.5 | | | | | | 16.8 | 31.4 | 5.4 | 87 |
| 03-05 | 16.6 | | | 26.6 | | | | | | 23.3 | 31.5 | 6.1 | 87 |
| 06-08 | 12.7 | | | 26.3 | | | | | | 26.6 | 32.4 | 6.5 | 87 |
| 09-11 | 8.3 | | | 21.9 | | | | | | 27.7 | 32.2 | 6.7 | 88 |
| 12-14 | 2.5 | | | 22.8 | | | | | | 34.9 | 29.9 | 7.1 | 89 |
| 15-17 | 2.9 | | | 22.9 | | | | | | 34.6 | 29.6 | 7.1 | 89 |
| 18-20 | 6.4 | | | 26.1 | | | | | | 27.9 | 29.6 | 6.5 | 89 |
| 21-23 | 22.4 | | | 26.6 | | | | | | 18.4 | 30.5 | 5.5 | 89 |
| TOTALS | 12.4 | | | 25.7 | | | | | | 28.0 | 30.9 | 6.4 | 708 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724091 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
MONTH: JUL

| HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN | TOT OB | |
|----------------|---|---|---|------|---|---|---|---|---|------|------|-----------|-----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | |
| 07-02 | 22.4 | | | 26.5 | | | | | | 22.0 | 27.4 | 5.7 | 90 |
| 07-05 | 16.5 | | | 30.4 | | | | | | 23.4 | 30.3 | 6.0 | 90 |
| 06-06 | 12.3 | | | 32.3 | | | | | | 28.6 | 26.7 | 6.2 | 90 |
| 05-11 | 6.2 | | | 34.6 | | | | | | 32.6 | 26.1 | 6.5 | 91 |
| 10-14 | 2.4 | | | 34.2 | | | | | | 37.2 | 26.2 | 7.0 | 93 |
| 15-17 | .9 | | | 37.6 | | | | | | 38.1 | 24.0 | 6.9 | 92 |
| 18-20 | 3.7 | | | 37.4 | | | | | | 32.6 | 26.5 | 6.7 | 91 |
| 21-23 | 16.1 | | | 34.8 | | | | | | 22.0 | 27.1 | 5.7 | 90 |
| TOTALS | 10.1 | | | 33.4 | | | | | | 29.6 | 27.0 | 6.4 | 731 |

STATION NUMBER: 724091 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
MONTH: AUG

| HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN | TOT OB | |
|----------------|---|---|---|------|---|---|---|---|---|------|------|-----------|-----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | |
| 07-02 | 22.9 | | | 24.0 | | | | | | 21.3 | 31.8 | 5.8 | 90 |
| 07-05 | 14.6 | | | 24.9 | | | | | | 21.2 | 35.3 | 6.2 | 90 |
| 06-06 | 11.3 | | | 26.4 | | | | | | 27.4 | 32.9 | 6.6 | 89 |
| 07-11 | 7.2 | | | 31.5 | | | | | | 35.6 | 25.6 | 6.7 | 91 |
| 17-14 | .8 | | | 32.5 | | | | | | 39.7 | 26.8 | 7.2 | 92 |
| 15-17 | .8 | | | 33.0 | | | | | | 39.5 | 24.7 | 7.1 | 92 |
| 18-20 | 6.9 | | | 36.6 | | | | | | 31.3 | 26.2 | 6.5 | 92 |
| 21-23 | 13.2 | | | 31.0 | | | | | | 23.9 | 26.9 | 5.8 | 91 |
| TOTALS | 12.7 | | | 31.5 | | | | | | 32.0 | 28.8 | 6.5 | 730 |

GENERAL CLIMATOLOGY BRANCH
 WSAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: SEP

| HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN | TOT OR | | |
|----------------|---|---|---|------|---|---|---|---|---|---|------|-----------|-----|-----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 | |
| 07-02 | 31.9 | | | 22.9 | | | | | | | 13.6 | 72.0 | 5.1 | 87 |
| 07-05 | 27.3 | | | 27.6 | | | | | | | 14.6 | 71.1 | 5.2 | 86 |
| 07-08 | 14.0 | | | 70.9 | | | | | | | 25.4 | 79.4 | 6.2 | 86 |
| 07-11 | 10.2 | | | 31.9 | | | | | | | 71.0 | 26.9 | 6.4 | 88 |
| 07-14 | 5.0 | | | 76.3 | | | | | | | 34.1 | 74.5 | 6.6 | 89 |
| 07-17 | 5.9 | | | 76.6 | | | | | | | 34.2 | 73.3 | 6.5 | 89 |
| 07-20 | 12.8 | | | 76.1 | | | | | | | 24.4 | 76.3 | 5.9 | 89 |
| 07-23 | 29.6 | | | 25.1 | | | | | | | 19.0 | 26.2 | 5.1 | 88 |
| TOTALS | 17.0 | | | 32.9 | | | | | | | 24.6 | 27.5 | 5.9 | 706 |

STATION NUMBER: 724094 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: OCT

| HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN | TOT OR | | |
|----------------|---|---|---|------|---|---|---|---|---|---|------|-----------|-----|-----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 | |
| 07-02 | 27.9 | | | 20.4 | | | | | | | 16.7 | 75.0 | 5.6 | 91 |
| 07-05 | 29.2 | | | 19.7 | | | | | | | 16.0 | 75.1 | 5.5 | 91 |
| 07-08 | 13.9 | | | 70.4 | | | | | | | 25.3 | 70.4 | 6.2 | 92 |
| 07-11 | 7.9 | | | 33.7 | | | | | | | 73.0 | 26.4 | 6.4 | 92 |
| 07-14 | 6.0 | | | 70.0 | | | | | | | 34.2 | 74.2 | 6.9 | 93 |
| 07-17 | 7.3 | | | 29.2 | | | | | | | 79.1 | 74.4 | 6.8 | 92 |
| 07-20 | 17.4 | | | 70.6 | | | | | | | 24.2 | 77.9 | 5.9 | 92 |
| 07-23 | 27.2 | | | 26.9 | | | | | | | 19.5 | 30.3 | 5.5 | 92 |
| TOTALS | 17.4 | | | 27.1 | | | | | | | 25.6 | 29.8 | 6.1 | 738 |

GENERAL CLIMATOLOGY BRANCH
 WSAF/ETAC
 FTR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 724756 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: NOV

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|---|---|------|---|---|---|---|---|------|------|------|-------|
| HOURS (EST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL |
| 07-02 | 26.0 | | | 16.9 | | | | | | 14.9 | 42.1 | 6.1 | 88 |
| 08-05 | 25.6 | | | 17.9 | | | | | | 12.5 | 44.0 | 6.1 | 88 |
| 06-08 | 12.6 | | | 25.8 | | | | | | 21.7 | 39.8 | 6.7 | 89 |
| 09-11 | 8.9 | | | 25.9 | | | | | | 25.9 | 39.3 | 7.0 | 89 |
| 12-14 | 7.2 | | | 24.6 | | | | | | 29.4 | 38.8 | 7.3 | 90 |
| 15-17 | 7.0 | | | 26.0 | | | | | | 24.7 | 38.3 | 7.2 | 90 |
| 18-20 | 16.4 | | | 21.6 | | | | | | 20.7 | 41.4 | 6.6 | 89 |
| 21-23 | 21.0 | | | 21.2 | | | | | | 16.9 | 41.3 | 6.2 | 89 |
| TOTALS | 15.6 | | | 22.5 | | | | | | 21.3 | 40.6 | 6.7 | 715 |

STATION NUMBER: 724756 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: DEC

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|---|---|------|---|---|---|---|---|------|------|------|-------|
| HOURS (EST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL |
| 07-02 | 24.3 | | | 15.8 | | | | | | 13.8 | 42.1 | 5.9 | 92 |
| 08-05 | 26.3 | | | 17.3 | | | | | | 14.1 | 42.3 | 6.0 | 92 |
| 06-08 | 15.1 | | | 25.2 | | | | | | 20.9 | 34.9 | 6.5 | 92 |
| 09-11 | 4.3 | | | 26.5 | | | | | | 23.7 | 41.6 | 7.1 | 93 |
| 12-14 | 5.9 | | | 25.2 | | | | | | 24.7 | 40.2 | 7.1 | 92 |
| 15-17 | 7.0 | | | 19.7 | | | | | | 24.2 | 38.9 | 7.0 | 92 |
| 18-20 | 19.2 | | | 24.7 | | | | | | 14.4 | 41.6 | 6.2 | 92 |
| 21-23 | 26.6 | | | 26.9 | | | | | | 16.5 | 40.3 | 6.0 | 92 |
| TOTALS | 17.1 | | | 22.2 | | | | | | 19.3 | 40.7 | 6.5 | 741 |

GLOBAL CLIMATOLOGY BRANCH
 WPAFB/TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87
 MONTH: ALL

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN | TOT OB | |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|------|-----------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | |
| JAN | ALL | 16.6 | | | 23.6 | | | | | | 19.4 | 40.4 | 6.5 | 742 |
| FEB | | 18.9 | | | 24.6 | | | | | | 17.9 | 36.6 | 6.2 | 675 |
| MAR | | 17.6 | | | 24.5 | | | | | | 19.6 | 38.3 | 6.3 | 743 |
| APR | | 15.2 | | | 24.4 | | | | | | 21.4 | 39.0 | 6.6 | 717 |
| MAY | | 13.2 | | | 26.1 | | | | | | 25.5 | 38.3 | 6.9 | 741 |
| JUN | | 12.4 | | | 30.7 | | | | | | 26.0 | 30.9 | 6.4 | 708 |
| JUL | | 10.1 | | | 23.4 | | | | | | 29.6 | 27.0 | 6.4 | 731 |
| AUG | | 13.7 | | | 20.6 | | | | | | 31.0 | 28.9 | 6.5 | 730 |
| SEP | | 17.3 | | | 20.9 | | | | | | 24.6 | 27.5 | 5.9 | 706 |
| OCT | | 17.4 | | | 27.1 | | | | | | 25.6 | 29.8 | 6.1 | 738 |
| NOV | | 19.5 | | | 22.5 | | | | | | 21.3 | 40.6 | 6.7 | 715 |
| DEC | | 17.1 | | | 23.2 | | | | | | 19.0 | 40.7 | 6.5 | 741 |
| TOTALS | | 14.9 | | | 26.8 | | | | | | 23.3 | 35.3 | 6.4 | 8691 |

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TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
 OSAFETAC
 AIR WEATHER SERVICE/MAL

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES
 FROM SUMMARY OF DAY DATA

STATION NUMBER: 724094

STATION NAME: HOQUIAM AFB NJ

PERIOD OF RECORD: 42-46, 48-87

| TEMPERATURE | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 61 | 7.1 | | | | | 4.0 | 2.8 | 2.0 | 1.3 | 1.1 | | | 1.5 |
| 62 | 7.1 | | | | 4.2 | 7.3 | 26.3 | 23.1 | 16.9 | 1.9 | | | 5.5 |
| 63 | 7.1 | | | | 24.9 | 24.9 | 61.3 | 52.7 | 39.9 | 1.7 | | | 17.9 |
| 64 | 6.1 | | 1.1 | 1.1 | 17.3 | 16.7 | 83.8 | 79.9 | 79.6 | 7.2 | 1.0 | | 23.6 |
| 65 | 5.1 | 1.1 | 1.7 | 5.1 | 31.7 | 31.8 | 97.7 | 93.6 | 82.1 | 17.9 | 4.2 | 1.5 | 32.8 |
| 66 | 4.1 | 1.5 | 1.5 | 17.5 | 56.8 | 94.9 | 100.0 | 99.1 | 82.3 | 35.0 | 9.3 | 1.4 | 41.1 |
| 67 | 4.1 | 1.4 | 1.4 | 21.2 | 81.9 | 99.6 | | 99.6 | 74.1 | 57.4 | 16.6 | 3.5 | 49.5 |
| 68 | 4.1 | 1.1 | 1.7 | 27.9 | 95.5 | 100.0 | | 100.0 | 76.7 | 79.1 | 76.3 | 20.1 | 58.6 |
| 69 | 3.1 | 1.0 | 1.7 | 40.9 | 99.6 | | | | 100.0 | 81.2 | 97.6 | 12.4 | 68.2 |
| 70 | 3.1 | 17.1 | 21.3 | 85.6 | 87.1 | 99.8 | | | | 96.2 | 68.7 | 19.3 | 72.3 |
| 71 | 3.1 | 27.9 | 39.7 | 69.6 | 98.9 | 100.0 | | | | 98.9 | 82.9 | 43.7 | 79.7 |
| 72 | 2.1 | 47.5 | 64.5 | 94.8 | 99.2 | | | | | 100.0 | 95.0 | 64.6 | 87.7 |
| 73 | 2.1 | 67.6 | 74.5 | 95.0 | 99.9 | | | | | | 99.4 | 70.0 | 91.0 |
| 74 | 1.1 | 85.2 | 87.1 | 98.6 | 100.0 | | | | | | 100.0 | 81.4 | 96.7 |
| 75 | 1.1 | 92.9 | 95.7 | 99.7 | | | | | | | | 97.5 | 98.8 |
| 76 | 1.1 | 97.1 | 98.7 | 100.0 | | | | | | | | 99.5 | 99.6 |
| 77 | 1.1 | 99.7 | 100.0 | | | | | | | | | 99.8 | 99.9 |
| 78 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 79 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 80 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 81 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 82 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 83 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 84 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 85 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 86 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 87 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 88 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 89 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 90 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 91 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 92 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 93 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 94 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 95 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 96 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 97 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 98 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 99 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 100 | 1.1 | 100.0 | | | | | | | | | | 100.0 | 100.0 |

CENTRAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES
 FROM SUMMARY OF DAY DATA

STATION NUMBER: 726096

STATION NAME: McGuire AFB NJ

PERIOD OF RECORD: 42-46, 48-87

| TEMPERATURE | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| GE 37 | | | | | | | 1 | | | | | | 0 |
| GE 85 | | | | | | 5 | 1 | 1.4 | 5 | | | | 5 |
| GE 87 | | | | | 5 | 8.7 | 23.4 | 16.7 | 4.6 | | | | 4.5 |
| GE 75 | | | | 2 | 3.8 | 20.1 | 56.8 | 47.0 | 17.2 | 1.2 | .1 | | 13.7 |
| GE 70 | | | | 4 | 15.7 | 50.0 | 87.2 | 78.0 | 35.4 | 5.0 | .5 | | 23.4 |
| GE 65 | | | 1 | 7.1 | 34.0 | 90.6 | 98.7 | 95.6 | 61.2 | 15.9 | 2.2 | .1 | 32.9 |
| GE 60 | | | 2 | 16.8 | 60.8 | 90.0 | 100.0 | 99.6 | 84.1 | 75.2 | 6.4 | .6 | 41.9 |
| GE 55 | 1 | 1.4 | 8.5 | 22.1 | 82.4 | 99.5 | | 100.0 | 95.6 | 58.0 | 16.2 | 2.3 | 49.6 |
| GE 50 | 3.6 | 4.9 | 17.7 | 57.5 | 95.9 | 100.0 | | | 99.1 | 80.0 | 33.1 | 7.2 | 58.2 |
| GE 45 | 4.7 | 11.0 | 32.4 | 80.3 | 99.5 | | | | 100.0 | 94.5 | 55.2 | 16.7 | 66.4 |
| GE 40 | 19.6 | 24.7 | 58.9 | 94.3 | 100.0 | | | | | 98.6 | 77.6 | 32.4 | 75.3 |
| GE 35 | 76.0 | 46.5 | 79.4 | 98.6 | | | | | | 100.0 | 92.9 | 52.1 | 83.7 |
| GE 30 | 93.0 | 67.1 | 92.3 | 99.9 | | | | | | | 98.5 | 74.4 | 90.8 |
| GE 25 | 96.7 | 84.2 | 97.7 | 100.0 | | | | | | | 99.8 | 87.2 | 95.4 |
| GE 20 | 94.8 | 74.2 | 99.3 | | | | | | | | 100.0 | 95.4 | 98.1 |
| GE 15 | 95.6 | 78.4 | 100.0 | | | | | | | | | 99.1 | 99.4 |
| GE 10 | 98.9 | 94.3 | | | | | | | | | | 99.8 | 99.8 |
| GE 5 | 99.8 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| GE 0 | 100.0 | | | | | | | | | | | | 100.0 |
| MEAN | 51.3 | 33.5 | 41.4 | 51.5 | 61.6 | 70.7 | 75.5 | 73.9 | 66.9 | 56.4 | 46.1 | 35.4 | 53.7 |
| SUM | 9,790 | 9,212 | 10,492 | 8,136 | 7,319 | 6,468 | 5,246 | 5,420 | 7,417 | 7,877 | 8,424 | 9,418 | 17,375 |
| TOTAL OBS | 1342 | 1,714 | 1,333 | 1,260 | 1,302 | 1,260 | 1,302 | 1,293 | 1,289 | 1,333 | 1,247 | 1,333 | 15,538 |

FEDERAL METEOROLOGICAL BUREAU
 WASHINGTON, D.C.
 U.S. WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 72062 STATION NAME: MCGUIRE AFB, TX

PERIOD OF RECORD: 42-46, 48-87

| YEAR | WHOLE DEGREES FAHRENHEIT | | | | | | | | | | | | ALL MONTHS |
|------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 42 | | | | | | | | | | | | | |
| 43 | 55 | 61 | 70 | 76 | 82 | 97 | 92 | 92 | 94 | 82 | 73 | 60 | 97 |
| 44 | 56 | 61 | 67 | 76 | 92 | 92 | 96 | 92 | 92 | 95 | 71 | 54 | 97 |
| 45 | 58 | 69 | 67 | 84 | 88 | 96 | 96 | 92 | 94 | 61 | 79 | 59 | 96 |
| 46 | 59 | 67 | 72 | | | | | | | | | | |
| 48 | | | | | | | | 84 | 88 | 76 | 62 | 60 | |
| 49 | 69 | 74 | 77 | 87 | 88 | 96 | 96 | 97 | 94 | 85 | 75 | 64 | 95 |
| 50 | 74 | 82 | 88 | 79 | 84 | 93 | 94 | 92 | 87 | 87 | 82 | 69 | 94 |
| 51 | 75 | 80 | 84 | 93 | 84 | 89 | 92 | 92 | 87 | 84 | 77 | 71 | 93 |
| 52 | 77 | 83 | 85 | 84 | 84 | 84 | 86 | 84 | 82 | 82 | 69 | 60 | 99 |
| 53 | 77 | 84 | 87 | 85 | 89 | 83 | 100 | 96 | 100 | 81 | 72 | 65 | 100 |
| 54 | 82 | 84 | 72 | 84 | 84 | 92 | 102 | 90 | 92 | 85 | 69 | 63 | 100 |
| 55 | 82 | 84 | 71 | 81 | 92 | 91 | 105 | 100 | 84 | 87 | 72 | 55 | 100 |
| 56 | 82 | 84 | 74 | 84 | 84 | 89 | 97 | 92 | 84 | 82 | 77 | 69 | 97 |
| 57 | 84 | 84 | 75 | 84 | 87 | 87 | 86 | 83 | 88 | 76 | 72 | 61 | 94 |
| 58 | 84 | 84 | 83 | 83 | 86 | 92 | 92 | 89 | 88 | 83 | 65 | 56 | 92 |
| 59 | 84 | 84 | 83 | 83 | 87 | 92 | 92 | 91 | 87 | 88 | 74 | 59 | 96 |
| 60 | 84 | 84 | 77 | 87 | 83 | 89 | 83 | 92 | 87 | 82 | 72 | 55 | 92 |
| 61 | 84 | 84 | 84 | 84 | 85 | 84 | 81 | 89 | 82 | 79 | 62 | 54 | 94 |
| 62 | 84 | 84 | 84 | 87 | 86 | 89 | 85 | 89 | 84 | 83 | 67 | 64 | 93 |
| 63 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 87 | 86 | 82 | 71 | 55 | 96 |
| 64 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 65 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 66 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 67 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 68 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 69 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 70 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 71 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 72 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 73 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 74 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 75 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 76 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 77 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 78 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 79 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 80 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 81 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 82 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 83 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 85 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 86 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |
| 87 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 82 | 71 | 62 | 95 |

NOTES: * BASED ON LESS THAN FULL MONTHS
 † LET LEAVE ONE DAY LESS THAN 24 HOURS

CONTINUED ON NEXT PAGE....

GENERAL CLIMATOLOGY BRANCH
 WSAF/ETAC
 AIR WEATHER SERVICE/AMC

EXTREME VALUES OF MAXIMUM TEMPERATURE
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 714396 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-67

| YEAR | WHOLE DEGREES FAHRENHEIT | | | | | | | | | | | | ALL MONTHS |
|-------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 73 | 89 | 61 | 72 | 46 | 81 | 90 | 91 | 97 | 94 | 80 | 76 | 64 | 97 |
| 74 | 83 | 65 | 75 | 66 | 91 | 93 | 92 | 89 | 88 | 79 | 82 | 62 | 93 |
| 75 | 87 | 92 | 95 | 79 | 88 | 90 | 90 | 96 | 81 | 84 | 78 | 69 | 96 |
| 76 | 87 | 71 | 79 | 93 | 82 | 92 | 86 | 93 | 87 | 76 | 66 | 58 | 93 |
| 77 | 96 | 65 | 45 | 87 | 90 | 88 | 77 | 92 | 92 | 75 | 70 | 56 | 97 |
| 78 | 61 | 92 | 75 | 42 | 89 | 80 | 95 | 91 | 85 | 81 | 70 | 69 | 95 |
| 79 | 62 | 72 | 79 | 73 | 88 | 83 | 90 | 91 | 85 | 86 | 74 | 65 | 91 |
| 80 | 77 | 50 | 96 | 78 | 90 | 95 | 102 | 97 | 100 | 78 | 68 | 66 | 102 |
| 81 | 80 | 65 | 75 | 80 | 90 | 90 | 93 | 89 | 85 | 76 | 71 | 62 | 93 |
| 82 | 61 | 61 | 66 | 77 | 85 | 89 | 95 | 90 | 87 | 82 | 81 | 74 | 95 |
| 83 | 57 | 57 | 70 | 65 | 82 | 97 | 99 | 97 | 100 | 84 | 68 | 63 | 100 |
| 84 | 65 | 63 | 61 | 72 | 87 | 85 | 91 | 88 | 90 | 84 | 67 | 72 | 95 |
| 85 | 67 | 73 | 75 | 91 | 87 | 87 | 94 | 96 | 92 | 86 | 74 | 56 | 96 |
| 86 | 67 | 52 | 41 | 73 | 93 | 95 | 98 | 91 | 90 | 87 | 74 | 59 | 98 |
| 7 | 66 | 99 | 76 | 76 | 91 | 94 | 99 | | | | | | |
| MEAN | 69.2 | 62.7 | 72.2 | 44.1 | 87.8 | 92.7 | 94.5 | 92.3 | 89.8 | 81.5 | 72.3 | 63.0 | 96.0 |
| TOTAL | 64.94 | 74.95 | 61.75 | 54.52 | 86.06 | 84.19 | 86.17 | 84.50 | 84.95 | 74.82 | 42.95 | 61.74 | 2170 |
| TOTAL | 1332 | 1714 | 1333 | 1267 | 1302 | 1101 | 1702 | 1793 | 1789 | 1437 | 1287 | 1233 | 15538 |

NOTES * (GRADED OR LESS THAN FULL MONTHS)
 # (AT LEAST ONE DAY LESS THAN 24 HRS)

GLOBAL CLIMATOLOGY BRANCH
 WSAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 70496 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

| YEAR | WHOLE DEGREES FAHRENHEIT -M-O-N-T-H-S- | | | | | | | | | | | | ALL MONTHS |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 42 | | | | | | | | | 34 | 31 | 23 | -1 | |
| 43 | 12 | 2 | 6 | 23 | 36 | 55 | 52 | 54 | 43 | 34 | 23 | 10 | 2 |
| 44 | 6 | 10 | 12 | 25 | 43 | 44 | 52 | 47 | 41 | 30 | 24 | 7 | 6 |
| 45 | 3 | 4 | 24 | 31 | 38 | 42 | 57 | 52 | 46 | 31 | *22 | 6 | 0 |
| 46 | 10 | 11 | 23 | | | | | | | | | | |
| 48 | | | | | | | | *56 | 42 | 31 | 28 | 8 | |
| 49 | 20 | 16 | 16 | 32 | 42 | 46 | 55 | 55 | 41 | 29 | 20 | 15 | 15 |
| 50 | 19 | 7 | 9 | 24 | 37 | 46 | 54 | 50 | 39 | 33 | 23 | 5 | 5 |
| 51 | 15 | 11 | 23 | 35 | 39 | 47 | 57 | 52 | 37 | 35 | 19 | 7 | 7 |
| 52 | 7 | 17 | 20 | 31 | 42 | 53 | 56 | 52 | 46 | 26 | 24 | 13 | 7 |
| 53 | 22 | 16 | 16 | 34 | 45 | 48 | 56 | 56 | 43 | 35 | 28 | 13 | 13 |
| 54 | 7 | 8 | 22 | 24 | 39 | 48 | 56 | 55 | 45 | 35 | 23 | 15 | 0 |
| 55 | 13 | 2 | 19 | 37 | 42 | 50 | 62 | 57 | 45 | 36 | 15 | 7 | 2 |
| 56 | 14 | 15 | 19 | 37 | 35 | 48 | 56 | 55 | 39 | 36 | 21 | 17 | 14 |
| 57 | 1 | 19 | 23 | 31 | 35 | 46 | 55 | 52 | 39 | 32 | 26 | 12 | 1 |
| 58 | 29 | 6 | 27 | 29 | 40 | 46 | 60 | 55 | 42 | 34 | 18 | 8 | 6 |
| 59 | 9 | 8 | 21 | 32 | 41 | 51 | 55 | 55 | 41 | 31 | 22 | 8 | 8 |
| 60 | 19 | 19 | 10 | 31 | 38 | 49 | 57 | 54 | 49 | 34 | 26 | 6 | 6 |
| 61 | 1 | -4 | 17 | 31 | 41 | 57 | 54 | 53 | 39 | 30 | 26 | 13 | -4 |
| 62 | 11 | 1 | 13 | 26 | 35 | 48 | 53 | 53 | 38 | 27 | 27 | 3 | 1 |
| 63 | 8 | 2 | 24 | 29 | 35 | 51 | 52 | 50 | 35 | 37 | 29 | 0 | 0 |
| 64 | 6 | 14 | 21 | 19 | 38 | 45 | 54 | 50 | 43 | 30 | 18 | 14 | 6 |
| 65 | 2 | 7 | 16 | 25 | 44 | 47 | 50 | 47 | 41 | 27 | 24 | 15 | 2 |
| 66 | 6 | 6 | 20 | 27 | 31 | 44 | 56 | 56 | 43 | 25 | 24 | 13 | 6 |
| 67 | 12 | 7 | 8 | 24 | 38 | 47 | 54 | 60 | 39 | 30 | 22 | 14 | 2 |
| 68 | 2 | 7 | 16 | 29 | 41 | 57 | 53 | 53 | 46 | 32 | 29 | 13 | 2 |
| 69 | 12 | 14 | 19 | 22 | 41 | 57 | 59 | 55 | 44 | 25 | 19 | 15 | 10 |
| 70 | 3 | 5 | 20 | 26 | 36 | 52 | 58 | 57 | 42 | 33 | 19 | 13 | 3 |
| 71 | 6 | 6 | 22 | 28 | 40 | 51 | 52 | 50 | 46 | 43 | 24 | 18 | 6 |
| 72 | 6 | 10 | 19 | 25 | 37 | 42 | 54 | 49 | 44 | 28 | 21 | 18 | 6 |

NOTES * (BASED ON LESS THAN FULL MONTHS)
 # (AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

| YEAR | WHOLE DEGREES FARENHEIT -M-O-N-T-H-S- | | | | | | | | | | | | ALL MONTHS |
|-----------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 73 | 10 | 6 | 25 | 30 | 39 | 55 | 56 | 57 | 47 | 34 | 23 | 11 | 6 |
| 74 | 9 | 4 | 19 | 20 | 38 | 50 | 53 | 54 | 37 | 27 | 22 | 21 | 4 |
| 75 | 12 | 15 | 19 | 27 | 38 | 48 | 55 | 55 | 42 | 29 | 29 | 15 | 12 |
| 76 | 4 | 9 | 21 | 28 | 38 | 45 | 53 | 42 | 40 | 28 | 19 | 8 | 4 |
| 77 | -1 | 9 | 23 | 23 | 38 | 46 | 51 | 52 | 45 | 35 | 27 | 12 | -1 |
| 78 | 10 | 4 | 14 | 35 | 34 | 44 | 53 | 62 | 34 | 34 | 29 | 17 | 8 |
| 79 | 7 | -2 | 20 | 29 | 41 | 47 | 53 | 49 | 43 | 32 | 27 | 19 | -2 |
| 80 | 10 | 13 | 10 | 29 | 41 | 47 | 56 | 60 | 41 | 34 | 25 | 5 | 5 |
| 81 | -1 | 11 | 20 | 31 | 37 | 52 | 54 | 53 | 45 | 34 | 26 | 15 | -1 |
| 82 | -4 | 18 | 20 | 20 | 44 | 50 | 55 | 44 | 47 | 31 | 23 | 13 | -4 |
| 83 | 13 | 8 | 24 | 30 | 37 | 50 | 56 | 56 | 40 | 29 | 29 | 2 | 2 |
| 84 | -8 | 13 | 9 | 30 | 38 | 45 | 56 | 52 | 41 | 36 | 23 | 22 | -8 |
| 85 | 9 | 14 | 20 | 27 | 39 | 47 | 56 | 52 | 46 | 33 | 31 | 8 | 0 |
| 86 | 9 | 14 | 13 | 29 | 35 | 45 | 55 | 47 | 42 | 38 | 18 | 13 | 9 |
| 87 | 1 | 6 | 21 | 32 | 40 | 49 | 57 | | | | | | |
| MEAN | 7.3 | 9.5 | 18.2 | 28.3 | 38.8 | 48.3 | 54.9 | 52.9 | 42.0 | 32.0 | 23.7 | 11.3 | 4.2 |
| NO. | 6,663 | 5,627 | 5,097 | 3,676 | 2,970 | 3,133 | 2,585 | 4,091 | 2,768 | 3,735 | 3,789 | 5,401 | 5,036 |
| TOTAL OBS | 1332 | 1214 | 1333 | 1260 | 1302 | 1260 | 1302 | 1293 | 1289 | 1333 | 1287 | 1233 | 1538 |

NOTES * (BASED ON LESS THAN FULL MONTHS)
 # (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
 USAFI/AC
 AFD WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: JAN

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | | MEAN [RELATIVE HUMIDITY] | TOTAL OBS |
|-------|----------------|--|-------|------|------|------|------|------|------|------|------|--------------------------------|--------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | | |
| JAN | 00-02 | 100.0 | 100.0 | 99.5 | 95.8 | 84.9 | 64.4 | 41.9 | 25.3 | 12.6 | 69.0 | 930 | |
| | 03-05 | 100.0 | 100.0 | 99.8 | 96.8 | 87.2 | 66.4 | 44.2 | 27.1 | 13.0 | 69.1 | 925 | |
| | 06-08 | 100.0 | 100.0 | 99.7 | 97.1 | 88.6 | 70.0 | 46.7 | 27.9 | 10.9 | 67.8 | 925 | |
| | 09-11 | 100.0 | 100.0 | 99.7 | 94.4 | 75.9 | 54.1 | 33.9 | 21.0 | 10.5 | 64.6 | 930 | |
| | 12-14 | 100.0 | 100.0 | 97.5 | 84.9 | 58.7 | 39.0 | 25.2 | 16.7 | 9.4 | 59.6 | 925 | |
| | 15-17 | 100.0 | 100.0 | 98.0 | 94.9 | 59.7 | 37.5 | 25.7 | 18.5 | 9.1 | 58.9 | 930 | |
| | 18-20 | 100.0 | 100.0 | 99.8 | 94.1 | 77.1 | 51.1 | 32.9 | 21.3 | 9.9 | 64.2 | 925 | |
| | 21-23 | 100.0 | 100.0 | 99.6 | 95.1 | 81.5 | 60.4 | 38.5 | 23.4 | 11.8 | 66.7 | 930 | |
| | TOTALS | 100.0 | 100.0 | 99.2 | 92.9 | 76.7 | 55.2 | 36.1 | 22.6 | 10.8 | 65.0 | 7436 | |

SEPTAL CLIMATOLOGY BRANCH
 HAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: FEB

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| FEB | 00-02 | 100.0 | 100.0 | 100.0 | 97.8 | 85.5 | 63.2 | 46.6 | 29.6 | 14.5 | 69.6 | 846 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 94.8 | 89.6 | 66.2 | 47.3 | 32.3 | 15.2 | 70.7 | 846 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 98.6 | 91.1 | 67.1 | 46.7 | 32.6 | 15.2 | 71.7 | 846 |
| | 09-11 | 100.0 | 100.0 | 99.5 | 90.2 | 71.3 | 47.4 | 31.9 | 23.3 | 11.3 | 63.3 | 846 |
| | 12-14 | 100.0 | 100.0 | 97.5 | 81.1 | 51.7 | 32.4 | 22.6 | 16.2 | 8.9 | 56.6 | 846 |
| | 15-17 | 100.0 | 100.0 | 95.9 | 77.5 | 47.8 | 33.7 | 24.0 | 16.1 | 7.8 | 55.9 | 846 |
| | 18-20 | 100.0 | 100.0 | 99.5 | 91.6 | 68.4 | 45.7 | 33.2 | 22.6 | 12.2 | 62.8 | 846 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 96.4 | 80.8 | 57.2 | 41.3 | 26.6 | 12.5 | 67.3 | 846 |
| | TOTALS | 100.0 | 100.0 | 99.1 | 91.8 | 73.2 | 51.7 | 36.7 | 24.9 | 12.0 | 64.7 | 6768 |

CLIMATE CLIMATOLOGY BRANCH
 DPAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 74096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87
 MONTH: MAR

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|-------|----------------|--|-------|------|------|------|------|------|------|------|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAR | 00-02 | 100.0 | 100.0 | 99.9 | 95.6 | 85.1 | 68.7 | 49.9 | 34.4 | 15.7 | 77.5 | 930 |
| | 03-05 | 100.0 | 100.0 | 99.7 | 97.7 | 86.9 | 72.7 | 55.7 | 37.4 | 16.5 | 72.4 | 930 |
| | 06-08 | 100.0 | 100.0 | 99.6 | 96.6 | 85.1 | 68.2 | 51.1 | 34.6 | 15.9 | 70.8 | 930 |
| | 09-11 | 100.0 | 99.9 | 96.9 | 83.5 | 60.2 | 42.7 | 29.4 | 18.0 | 9.7 | 59.6 | 930 |
| | 12-14 | 100.0 | 98.9 | 87.4 | 64.1 | 42.5 | 21.2 | 21.9 | 15.6 | 8.0 | 53.0 | 930 |
| | 15-17 | 100.0 | 96.5 | 85.4 | 62.7 | 42.7 | 30.6 | 22.2 | 15.7 | 8.9 | 52.4 | 930 |
| | 18-20 | 100.0 | 99.7 | 95.2 | 83.2 | 61.2 | 43.7 | 29.9 | 16.9 | 10.7 | 60.0 | 929 |
| | 21-23 | 100.0 | 100.0 | 99.0 | 95.1 | 79.9 | 60.0 | 41.2 | 27.4 | 13.3 | 67.2 | 930 |
| | TOTALS | 100.0 | 99.6 | 95.4 | 84.8 | 68.0 | 52.0 | 37.7 | 25.3 | 12.3 | 63.2 | 7439 |

USUAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 714096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: APR

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|---------------------|
| | | 1% | 2% | 3% | 4% | 5% | 6% | 7% | 8% | 9% | | |
| APR | 00-02 | 100.0 | 100.0 | 99.7 | 97.2 | 88.7 | 74.2 | 55.6 | 35.4 | 14.1 | 72.4 | 900 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.7 | 93.9 | 81.2 | 63.6 | 40.8 | 19.6 | 75.5 | 900 |
| | 06-08 | 100.0 | 100.0 | 99.3 | 97.0 | 87.6 | 74.7 | 54.7 | 35.6 | 16.7 | 72.4 | 900 |
| | 09-11 | 100.0 | 99.7 | 94.8 | 77.7 | 59.9 | 41.3 | 28.3 | 17.8 | 10.0 | 59.9 | 900 |
| | 12-14 | 100.0 | 99.1 | 84.4 | 60.7 | 42.9 | 31.3 | 22.1 | 14.7 | 6.2 | 51.9 | 900 |
| | 15-17 | 100.0 | 99.2 | 77.7 | 56.1 | 43.6 | 32.7 | 21.2 | 14.8 | 7.7 | 51.3 | 900 |
| | 18-20 | 100.0 | 99.4 | 93.0 | 74.9 | 59.9 | 44.4 | 31.4 | 20.9 | 10.3 | 59.3 | 900 |
| | 21-23 | 100.0 | 99.8 | 98.4 | 91.7 | 79.7 | 64.9 | 47.7 | 27.9 | 12.2 | 68.1 | 900 |
| | TOTALS | 100.0 | 99.7 | 93.4 | 82.0 | 69.4 | 55.7 | 40.6 | 26.2 | 12.0 | 63.7 | 7200 |

GLOBAL CLIMATOLOGY BRANCH
 WSAFETAC
 AFIP WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87
 MONTH: MAY

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|-------|----------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAY | 00-02 | 100.0 | 100.0 | 100.0 | 99.6 | 95.6 | 85.6 | 67.3 | 43.5 | 17.3 | 77.0 | 930 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 97.4 | 91.3 | 74.6 | 51.4 | 20.5 | 79.4 | 930 |
| | 06-08 | 100.0 | 100.0 | 99.8 | 96.5 | 91.2 | 77.3 | 60.2 | 38.9 | 13.7 | 73.9 | 930 |
| | 09-11 | 100.0 | 99.9 | 96.0 | 83.5 | 62.8 | 45.5 | 31.5 | 17.7 | 3.9 | 60.1 | 930 |
| | 12-14 | 100.0 | 100.0 | 90.6 | 67.3 | 46.2 | 30.9 | 20.5 | 11.9 | 3.0 | 52.7 | 930 |
| | 15-17 | 100.0 | 99.8 | 87.5 | 64.6 | 45.6 | 31.5 | 20.0 | 10.5 | 2.8 | 51.9 | 930 |
| | 18-20 | 100.0 | 100.0 | 96.1 | 83.1 | 65.7 | 49.2 | 32.1 | 18.5 | 5.4 | 61.0 | 928 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 97.5 | 88.2 | 74.6 | 54.5 | 35.6 | 11.5 | 72.0 | 930 |
| | TOTALS | 100.0 | 100.0 | 96.5 | 86.8 | 74.1 | 60.7 | 45.1 | 28.5 | 9.8 | 66.0 | 7438 |

SIGNAL CLIMATOLOGY BRANCH
 OFFICIAL
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 704996 STATION NAME: MCUIRE AFB NJ

PERIOD OF RECORD: 79-87
 MONTH: JUN

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|-------|----------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUN | 00-01 | 100.0 | 100.0 | 100.0 | 99.7 | 97.1 | 89.1 | 72.0 | 44.0 | 14.4 | 77.7 | 898 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 94.1 | 80.8 | 54.0 | 17.8 | 80.7 | 898 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.4 | 95.1 | 82.8 | 62.8 | 38.2 | 10.4 | 74.6 | 900 |
| | 09-11 | 100.0 | 100.0 | 99.6 | 91.3 | 70.4 | 45.7 | 27.1 | 14.7 | 2.4 | 60.8 | 900 |
| | 12-14 | 100.0 | 100.0 | 96.1 | 76.2 | 46.3 | 27.1 | 15.7 | 8.9 | 2.0 | 53.1 | 900 |
| | 15-17 | 100.0 | 100.0 | 94.3 | 71.8 | 44.6 | 29.0 | 16.4 | 10.0 | 2.9 | 53.0 | 900 |
| | 18-20 | 100.0 | 100.0 | 98.8 | 89.4 | 70.4 | 47.9 | 31.1 | 15.7 | 5.2 | 61.8 | 900 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 98.8 | 92.5 | 79.4 | 55.4 | 33.0 | 9.0 | 73.0 | 898 |
| | TOTALS | 100.0 | 100.0 | 98.6 | 90.6 | 77.0 | 61.9 | 45.4 | 27.8 | 8.4 | 66.8 | 7196 |

JUNIOR CLIMATOLOGY BRANCH
 USAF/ETAC
 414 WEATHER SERVICE/AFAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724396 STATION NAME: MCQUIRE AFB TX

PERIOD OF RECORD: 78-87
 MONTH: JUL

| MONTH | DAYS | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | | MEAN [RELATIVE HUMIDITY] | TOTAL NUM OBS |
|-------|--------|--|-------|-------|-------|------|------|------|------|------|-----|--------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 95% | | |
| JUL | 00-31 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 97.7 | 83.0 | 59.5 | 21.6 | | 41.7 | 925 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 97.8 | 90.0 | 65.7 | 27.8 | | 84.1 | 930 |
| | 06-09 | 100.0 | 100.0 | 100.0 | 100.0 | 98.5 | 92.6 | 77.8 | 50.4 | 20.1 | | 79.7 | 930 |
| | 09-11 | 100.0 | 100.0 | 99.9 | 95.6 | 81.7 | 64.9 | 33.7 | 14.1 | 4.7 | | 64.5 | 930 |
| | 12-14 | 100.0 | 100.0 | 99.0 | 86.0 | 60.1 | 34.5 | 15.7 | 6.7 | 2.2 | | 56.1 | 930 |
| | 15-17 | 100.0 | 100.0 | 98.3 | 84.3 | 57.6 | 37.2 | 18.2 | 8.4 | 2.7 | | 54.3 | 926 |
| | 18-20 | 100.0 | 100.0 | 99.9 | 96.8 | 82.1 | 60.1 | 36.9 | 17.6 | 4.0 | | 65.5 | 928 |
| | 21-27 | 100.0 | 100.0 | 100.0 | 94.9 | 98.2 | 91.5 | 71.7 | 43.1 | 10.4 | | 77.2 | 927 |
| | TOTALS | 100.0 | 100.0 | 99.6 | 95.3 | 84.7 | 71.2 | 53.6 | 33.2 | 11.9 | | 70.6 | 7432 |

CLIMATE CLIMATOLOGY BRANCH
 WASHINGTON
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 77496 STATION NAME: MCENTIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: AUG

| MONTH | DAYS | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN [RELATIVE HUMIDITY] | TOTAL NUM OBS |
|-------|--------|--|-------|-------|-------|-------|------|------|------|------|--------------------------------|---------------------|
| | | 1% | 5% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | | |
| AUG | 00-01 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 99.7 | 68.2 | 60.5 | 21.4 | 42.5 | 930 |
| | 02-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 93.2 | 68.5 | 26.7 | 44.7 | 930 |
| | 06-10 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.7 | 82.5 | 58.7 | 18.2 | 61.2 | 930 |
| | 11-12 | 100.0 | 100.0 | 100.0 | 98.8 | 88.0 | 69.2 | 38.2 | 16.3 | 4.0 | 66.4 | 930 |
| | 13-14 | 100.0 | 100.0 | 99.5 | 97.5 | 64.0 | 35.8 | 17.5 | 7.3 | 1.5 | 57.2 | 930 |
| | 15-17 | 100.0 | 100.0 | 95.2 | 87.2 | 67.2 | 35.5 | 17.0 | 9.9 | 3.1 | 57.4 | 928 |
| | 18-21 | 100.0 | 100.0 | 100.0 | 95.0 | 90.4 | 70.7 | 44.7 | 23.2 | 6.2 | 68.9 | 930 |
| | 22-23 | 100.0 | 100.0 | 100.0 | 99.8 | 98.9 | 95.2 | 16.7 | 45.6 | 13.7 | 78.7 | 929 |
| | TOTALS | 100.0 | 100.0 | 99.8 | 96.4 | 87.7 | 74.5 | 57.6 | 36.0 | 11.9 | 72.1 | 7437 |

FEDERAL CLIMATOLOGY BRANCH
 WASH DC
 CIVIL ENGINEER SERVICE/ZNAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 74496 STATION NAME: MCQUIRY AFB TX

PERIOD OF RECORD: 77-86
 MONTH: SEP

| HOUR | RELATIVE HUMIDITY | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------|------------------------|--------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100% | | |
| 00-01 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 01-02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 02-03 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 03-04 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 04-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 05-06 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 06-07 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 07-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 08-09 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 09-10 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 10-11 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 11-12 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 12-13 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 13-14 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 14-15 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 15-16 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 16-17 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 17-18 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 18-19 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 19-20 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 20-21 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 21-22 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 22-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| 23-24 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 400 |
| TOTALS | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 94.0 | 90.0 | 85.0 | 79.0 | 71.0 | 4000 |

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NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/AMC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724124 STATION NAME: MCURTREAF RD

PERIOD OF RECORD: 77-86
 MONTH: OCT

| MONTH | HOURS (EST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN [RELATIVE HUMIDITY] | TOTAL NUM OBS |
|-------|----------------|--|-------|-------|-------|------|------|------|------|------|--------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 001 | 0-23 | 100.0 | 100.0 | 100.0 | 99.7 | 98.9 | 91.2 | 73.2 | 41.2 | 11.9 | 77.4 | 931 |
| | 05-17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 95.7 | 71.7 | 49.4 | 13.9 | 79.5 | 931 |
| | 18-25 | 100.0 | 100.0 | 100.0 | 99.7 | 99.2 | 84.4 | 76.5 | 47.2 | 12.4 | 75.9 | 931 |
| | 26-31 | 100.0 | 100.0 | 99.7 | 94.4 | 75.9 | 55.7 | 32.6 | 17.5 | 4.5 | 54.2 | 931 |
| | 10-19 | 100.0 | 100.0 | 96.9 | 77.7 | 53.2 | 29.5 | 16.3 | 9.2 | 3.1 | 53.9 | 931 |
| | 15-27 | 100.0 | 100.0 | 96.6 | 81.0 | 54.2 | 32.3 | 17.3 | 9.9 | 2.7 | 55.2 | 931 |
| | 14-21 | 100.0 | 100.0 | 99.9 | 95.1 | 91.3 | 77.5 | 41.9 | 19.9 | 4.4 | 68.3 | 931 |
| | 11-23 | 100.0 | 100.0 | 100.0 | 99.7 | 97.6 | 85.2 | 62.2 | 30.2 | 8.2 | 74.6 | 931 |
| | TOTAL | 100.0 | 100.0 | 99.1 | 93.4 | 83.2 | 62.5 | 50.2 | 28.2 | 7.6 | 69.2 | 7441 |

NATIONAL CLIMATOLOGY BRANCH
 CHARLOTTE
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 704790 STATION NAME: MCCOY AFB TX

PERIOD OF RECORD: 77-86
 MONTH: NOV

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | | MEAN [RELATIVE HUMIDITY] | TOTAL NUM OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|------|------|--------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | | |
| NOV | 00-01 | 100.0 | 100.0 | 100.0 | 99.7 | 92.8 | 77.1 | 58.7 | 37.5 | 15.4 | 74.7 | 895 | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.7 | 96.2 | 82.4 | 64.7 | 42.1 | 16.4 | 75.8 | 900 | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.8 | 97.7 | 85.7 | 64.9 | 42.8 | 15.3 | 76.3 | 900 | |
| | 09-11 | 100.0 | 100.0 | 98.9 | 95.0 | 80.4 | 60.7 | 42.6 | 26.2 | 8.7 | 67.2 | 900 | |
| | 12-14 | 100.0 | 100.0 | 98.4 | 81.0 | 57.6 | 39.1 | 26.1 | 15.1 | 5.7 | 57.6 | 900 | |
| | 15-17 | 100.0 | 99.9 | 97.2 | 84.5 | 59.4 | 40.7 | 27.7 | 16.1 | 5.9 | 59.7 | 898 | |
| | 18-20 | 100.0 | 100.0 | 99.6 | 95.2 | 81.7 | 61.7 | 40.8 | 24.6 | 9.6 | 67.2 | 895 | |
| | 21-03 | 100.0 | 100.0 | 100.0 | 99.7 | 99.0 | 79.6 | 61.2 | 51.3 | 10.6 | 74.2 | 900 | |
| | TOTALS | | 100.0 | 100.0 | 99.2 | 94.2 | 81.7 | 64.5 | 47.1 | 29.5 | 11.1 | 64.5 | 7190 |

REGAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 704096 STATION NAME: MCCLIRE AFB NJ

PERIOD OF RECORD: 77-86
 MONTH: DEC

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN [RELATIVE HUMIDITY] | TOTAL NUM OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|------|--------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| DEC | 00-02 | 100.0 | 100.0 | 100.0 | 98.7 | 90.9 | 77.7 | 52.2 | 34.7 | 14.0 | 72.1 | 931 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 98.7 | 93.1 | 76.1 | 57.6 | 34.6 | 14.3 | 73.4 | 929 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 98.9 | 92.7 | 79.3 | 59.0 | 38.8 | 15.4 | 74.1 | 931 |
| | 09-11 | 100.0 | 100.0 | 99.7 | 95.6 | 81.1 | 60.6 | 41.1 | 20.8 | 10.9 | 67.0 | 931 |
| | 12-14 | 100.0 | 99.8 | 98.0 | 84.4 | 59.7 | 40.3 | 26.5 | 16.7 | 7.8 | 59.0 | 931 |
| | 15-17 | 100.0 | 99.8 | 97.1 | 86.6 | 62.7 | 41.8 | 26.7 | 17.7 | 8.4 | 59.9 | 931 |
| | 18-20 | 100.0 | 100.0 | 99.4 | 95.3 | 81.2 | 60.5 | 38.4 | 25.4 | 11.0 | 66.9 | 931 |
| | 21-23 | 100.0 | 100.0 | 99.7 | 97.0 | 88.6 | 68.6 | 46.6 | 20.9 | 13.0 | 70.3 | 929 |
| | TOTALS | 100.0 | 100.0 | 99.2 | 94.4 | 81.2 | 60.9 | 43.5 | 28.2 | 11.9 | 67.9 | 7438 |

AD-A188 317

MCGUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVA... (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A... DEC 87
USAFETAC/DS-87/082

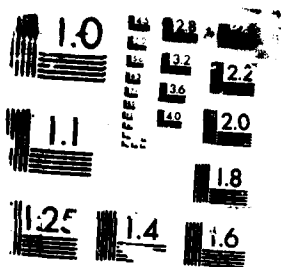
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1951-1952 COPY RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87
 MONTH: ALL

| MONTH | HOURS (LEST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|--------|-----------------|--|-------|------|------|------|------|------|------|------|------|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | | |
| JAN | ALL | 100.0 | 100.0 | 99.2 | 92.9 | 76.7 | 55.2 | 36.1 | 22.6 | 17.8 | 65.0 | 7436 | |
| FEB | | 100.0 | 100.0 | 99.1 | 91.8 | 73.2 | 51.7 | 36.7 | 24.9 | 12.0 | 64.7 | 6766 | |
| MAR | | 100.0 | 99.6 | 95.4 | 84.8 | 68.0 | 52.7 | 37.7 | 25.3 | 12.3 | 63.2 | 7439 | |
| APR | | 100.0 | 99.7 | 93.4 | 82.0 | 69.4 | 55.7 | 40.6 | 26.2 | 12.0 | 63.7 | 7200 | |
| MAY | | 100.0 | 100.0 | 96.5 | 86.8 | 74.1 | 60.7 | 45.1 | 28.5 | 9.8 | 66.0 | 7438 | |
| JUN | | 100.0 | 100.0 | 98.6 | 90.9 | 77.0 | 61.9 | 45.4 | 27.8 | 8.4 | 66.8 | 7196 | |
| JUL | | 100.0 | 100.0 | 99.6 | 95.3 | 84.7 | 71.2 | 53.6 | 33.2 | 11.9 | 70.6 | 7432 | |
| AUG | | 100.0 | 100.0 | 99.8 | 96.9 | 87.7 | 74.5 | 57.6 | 36.0 | 11.9 | 72.1 | 7437 | |
| SEP | | 100.0 | 100.0 | 99.5 | 94.7 | 85.2 | 72.5 | 56.7 | 34.9 | 9.4 | 71.1 | 7200 | |
| OCT | | 100.0 | 100.0 | 99.1 | 93.8 | 83.7 | 69.5 | 50.0 | 28.0 | 7.8 | 69.0 | 7440 | |
| NOV | | 100.0 | 100.0 | 99.2 | 94.2 | 81.7 | 64.6 | 47.1 | 29.5 | 11.1 | 68.5 | 7196 | |
| DEC | | 100.0 | 100.0 | 99.2 | 94.4 | 81.2 | 62.9 | 43.5 | 28.2 | 11.9 | 67.9 | 7438 | |
| TOTALS | | 100.0 | 99.9 | 98.2 | 91.5 | 78.6 | 62.7 | 45.8 | 28.8 | 17.8 | 67.4 | 7619 | |

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DPY-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87

| HOURS LST | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------|---------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--------|-------|--------|--------|
| 00-02 | MEAN | 28.0 | 29.7 | 37.5 | 46.3 | 56.1 | 64.0 | 69.6 | 68.5 | 62.0 | 51.7 | 44.1 | 34.7 | 49.4 |
| | SD | 10.091 | 9.441 | 8.933 | 7.825 | 7.537 | 6.363 | 5.630 | 5.696 | 8.087 | 8.642 | 8.999 | 10.474 | 16.470 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 898 | 930 | 930 | 970 | 930 | 900 | 930 | 10954 |
| 07-09 | MEAN | 27.2 | 28.4 | 36.2 | 44.5 | 54.6 | 62.3 | 68.0 | 67.1 | 60.5 | 50.5 | 42.9 | 33.8 | 46.1 |
| | SD | 10.434 | 9.945 | 9.123 | 7.824 | 7.737 | 6.517 | 5.890 | 6.210 | 8.396 | 9.141 | 9.223 | 10.696 | 16.456 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 899 | 930 | 930 | 900 | 930 | 900 | 930 | 10955 |
| 06-08 | MEAN | 26.8 | 28.1 | 36.9 | 46.9 | 56.6 | 66.8 | 71.5 | 69.7 | 62.4 | 51.3 | 42.9 | 33.2 | 49.7 |
| | SD | 10.577 | 10.175 | 9.373 | 7.982 | 7.596 | 6.258 | 5.760 | 5.993 | 8.180 | 9.037 | 9.200 | 10.799 | 17.726 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 930 | 930 | 930 | 900 | 930 | 900 | 930 | 10956 |
| 09-11 | MEAN | 33.6 | 33.0 | 43.5 | 54.5 | 66.2 | 74.3 | 79.1 | 77.5 | 70.7 | 59.5 | 48.8 | 37.6 | 56.4 |
| | SD | 9.858 | 10.093 | 10.366 | 9.141 | 8.485 | 7.192 | 6.160 | 5.922 | 7.585 | 8.185 | 8.891 | 10.137 | 18.867 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10956 |
| 12-14 | MEAN | 34.2 | 37.2 | 47.9 | 58.7 | 70.3 | 78.3 | 83.2 | 81.6 | 75.1 | 64.1 | 53.1 | 41.4 | 60.5 |
| | SD | 9.574 | 10.332 | 11.069 | 10.035 | 9.372 | 7.893 | 6.807 | 6.399 | 8.206 | 8.619 | 9.228 | 10.256 | 19.143 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10956 |
| 15-17 | MEAN | 35.9 | 37.6 | 48.3 | 58.9 | 70.3 | 78.1 | 82.9 | 81.0 | 74.7 | 63.2 | 51.9 | 40.6 | 60.2 |
| | SD | 9.416 | 9.836 | 10.800 | 10.091 | 9.307 | 7.775 | 6.865 | 6.450 | 8.290 | 8.433 | 8.977 | 10.194 | 19.026 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 929 | 900 | 930 | 900 | 930 | 10955 |
| 18-20 | MEAN | 30.6 | 33.7 | 43.5 | 53.7 | 64.5 | 72.6 | 77.9 | 75.3 | 67.9 | 56.5 | 47.4 | 37.1 | 55.1 |
| | SD | 9.393 | 9.032 | 9.525 | 8.752 | 8.578 | 6.976 | 6.235 | 6.193 | 7.943 | 8.145 | 8.378 | 9.935 | 18.023 |
| | TOT OBS | 930 | 846 | 929 | 900 | 930 | 900 | 928 | 930 | 900 | 930 | 900 | 930 | 10953 |
| 21-23 | MEAN | 23.9 | 31.3 | 39.9 | 49.0 | 58.9 | 66.7 | 72.1 | 70.5 | 63.7 | 53.1 | 45.3 | 35.5 | 51.3 |
| | SD | 9.731 | 9.713 | 8.841 | 7.819 | 7.609 | 5.979 | 5.419 | 5.565 | 7.843 | 8.346 | 8.828 | 10.247 | 16.715 |
| | TOT OBS | 930 | 845 | 930 | 900 | 930 | 899 | 927 | 929 | 900 | 930 | 900 | 930 | 10950 |
| ALL HOURS | MEAN | 32.0 | 32.4 | 41.7 | 51.5 | 62.4 | 70.4 | 75.5 | 73.9 | 67.1 | 56.2 | 47.0 | 36.7 | 53.9 |
| | SD | 10.243 | 10.334 | 10.772 | 10.218 | 10.147 | 9.444 | 8.297 | 8.087 | 9.744 | 10.003 | 9.698 | 10.725 | 18.420 |
| | TOT OBS | 7440 | 6767 | 7439 | 7200 | 7440 | 7196 | 7435 | 7438 | 7200 | 7440 | 7200 | 7440 | 87635 |

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87

| HOURS LST | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------|---------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| | MEAN | 25.5 | 27.2 | 34.2 | 42.4 | 52.3 | 59.8 | 65.9 | 65.1 | 58.6 | 48.3 | 40.7 | 31.9 | 46.1 |
| | SD | 10.159 | 9.671 | 9.017 | 7.841 | 7.905 | 6.561 | 5.781 | 6.102 | 8.357 | 9.090 | 9.393 | 10.548 | 16.246 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 898 | 929 | 930 | 900 | 930 | 899 | 930 | 10952 |
| | MEAN | 24.8 | 26.1 | 33.2 | 41.2 | 51.3 | 58.8 | 64.9 | 64.2 | 57.5 | 47.5 | 39.9 | 31.3 | 45.2 |
| | SD | 10.447 | 10.124 | 9.238 | 7.996 | 8.227 | 6.821 | 6.156 | 6.618 | 8.715 | 9.412 | 9.517 | 10.753 | 16.357 |
| | TOT OBS | 929 | 846 | 930 | 900 | 930 | 899 | 930 | 930 | 900 | 930 | 900 | 929 | 10953 |
| | MEAN | 24.5 | 25.9 | 33.7 | 43.0 | 54.0 | 61.8 | 67.2 | 65.9 | 58.9 | 48.2 | 39.9 | 30.8 | 46.3 |
| | SD | 10.615 | 10.388 | 9.346 | 7.926 | 7.869 | 6.309 | 5.621 | 6.195 | 8.454 | 9.266 | 9.409 | 10.799 | 17.137 |
| | TOT OBS | 929 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10955 |
| | MEAN | 27.4 | 29.4 | 37.9 | 47.3 | 57.8 | 65.1 | 70.4 | 69.5 | 63.2 | 53.0 | 44.0 | 34.0 | 50.0 |
| | SD | 9.813 | 10.084 | 9.534 | 8.141 | 7.880 | 6.612 | 5.407 | 5.670 | 7.485 | 8.345 | 8.942 | 10.192 | 17.016 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10956 |
| | MEAN | 29.8 | 32.2 | 40.5 | 49.3 | 59.4 | 66.3 | 71.4 | 70.5 | 64.5 | 54.8 | 46.0 | 36.2 | 51.8 |
| | SD | 9.357 | 9.719 | 9.374 | 8.041 | 7.856 | 6.477 | 5.435 | 5.595 | 7.422 | 8.292 | 8.808 | 9.900 | 16.436 |
| | TOT OBS | 929 | 845 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10954 |
| | MEAN | 29.6 | 32.4 | 40.7 | 49.3 | 59.2 | 66.0 | 71.1 | 70.0 | 64.2 | 54.2 | 45.1 | 35.6 | 51.5 |
| | SD | 9.335 | 9.257 | 9.009 | 7.842 | 7.757 | 6.332 | 5.231 | 5.448 | 7.349 | 8.213 | 8.776 | 9.926 | 16.285 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 900 | 929 | 928 | 970 | 930 | 898 | 930 | 10951 |
| | MEAN | 27.4 | 29.5 | 37.9 | 46.6 | 56.6 | 63.8 | 69.4 | 68.0 | 61.7 | 51.2 | 42.7 | 33.5 | 49.1 |
| | SD | 9.576 | 9.137 | 8.804 | 7.679 | 7.671 | 5.973 | 5.278 | 5.630 | 7.693 | 8.429 | 8.983 | 10.028 | 16.416 |
| | TOT OBS | 929 | 846 | 929 | 900 | 928 | 900 | 928 | 930 | 900 | 930 | 899 | 930 | 10949 |
| | MEAN | 30.2 | 28.4 | 35.9 | 44.1 | 53.9 | 61.3 | 67.2 | 66.1 | 59.6 | 49.1 | 41.4 | 32.4 | 47.2 |
| | SD | 9.818 | 9.244 | 8.768 | 7.721 | 7.671 | 6.108 | 5.378 | 5.866 | 7.979 | 8.631 | 9.330 | 10.301 | 16.202 |
| | TOT OBS | 930 | 845 | 930 | 900 | 930 | 899 | 927 | 929 | 900 | 930 | 900 | 929 | 10949 |
| | MEAN | 26.9 | 28.9 | 36.8 | 45.4 | 55.6 | 62.9 | 68.4 | 67.4 | 61.0 | 50.8 | 42.5 | 33.2 | 48.4 |
| | SD | 10.069 | 9.991 | 9.544 | 8.419 | 8.375 | 6.911 | 6.002 | 6.310 | 8.340 | 9.133 | 9.408 | 10.469 | 16.690 |
| HOURS | TOT OBS | 7436 | 6766 | 7437 | 7200 | 7438 | 7196 | 7433 | 7437 | 7200 | 7440 | 7196 | 7438 | 87619 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87

| HOURS LST | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------|---------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--------|
| 00-02 | MEAN | 18.3 | 20.4 | 28.1 | 37.3 | 49.7 | 56.6 | 63.6 | 62.9 | 55.9 | 44.7 | 35.9 | 26.2 | 41.7 |
| | SD | 13.815 | 13.273 | 12.395 | 10.237 | 9.871 | 8.041 | 6.784 | 7.160 | 9.670 | 12.589 | 11.864 | 13.450 | 16.906 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 898 | 929 | 930 | 900 | 930 | 899 | 930 | 10952 |
| 03-05 | MEAN | 17.9 | 19.7 | 27.5 | 36.8 | 48.1 | 56.1 | 63.0 | 62.3 | 55.1 | 44.2 | 35.5 | 25.8 | 41.1 |
| | SD | 13.962 | 13.509 | 12.515 | 10.142 | 10.054 | 8.069 | 7.049 | 7.509 | 9.876 | 10.752 | 11.683 | 13.529 | 18.941 |
| | TOT OBS | 929 | 846 | 930 | 900 | 930 | 899 | 930 | 930 | 900 | 930 | 900 | 929 | 10953 |
| 06-08 | MEAN | 17.8 | 19.5 | 27.7 | 37.9 | 49.7 | 58.2 | 64.7 | 63.6 | 56.2 | 44.3 | 35.7 | 25.5 | 41.9 |
| | SD | 14.015 | 13.800 | 12.512 | 10.385 | 10.137 | 7.975 | 6.639 | 7.164 | 9.708 | 10.629 | 11.386 | 13.487 | 19.495 |
| | TOT OBS | 929 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10955 |
| 09-11 | MEAN | 19.5 | 21.1 | 29.2 | 38.9 | 50.8 | 59.1 | 65.6 | 65.0 | 58.0 | 46.8 | 37.7 | 27.1 | 43.3 |
| | SD | 13.597 | 13.892 | 12.998 | 11.375 | 10.999 | 8.930 | 7.150 | 7.356 | 9.684 | 10.938 | 11.623 | 13.585 | 19.533 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10956 |
| 12-14 | MEAN | 20.2 | 22.0 | 29.7 | 39.0 | 50.6 | 58.7 | 65.1 | 64.3 | 57.3 | 46.1 | 37.3 | 27.1 | 43.2 |
| | SD | 13.872 | 13.515 | 12.992 | 11.469 | 11.186 | 8.975 | 7.406 | 7.664 | 10.074 | 11.457 | 12.154 | 13.746 | 19.236 |
| | TOT OBS | 929 | 845 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10954 |
| 15-17 | MEAN | 20.1 | 22.1 | 29.6 | 38.6 | 50.1 | 58.2 | 64.8 | 63.7 | 57.0 | 45.8 | 36.7 | 26.8 | 42.9 |
| | SD | 13.620 | 13.185 | 12.836 | 11.472 | 11.300 | 8.644 | 7.315 | 7.676 | 10.021 | 11.363 | 12.274 | 13.880 | 19.130 |
| | TOT OBS | 930 | 846 | 930 | 900 | 930 | 900 | 929 | 928 | 900 | 930 | 898 | 930 | 10951 |
| 18-20 | MEAN | 19.3 | 21.5 | 29.2 | 38.1 | 49.6 | 57.7 | 64.7 | 63.8 | 57.2 | 45.8 | 36.4 | 26.5 | 42.6 |
| | SD | 13.430 | 13.017 | 12.453 | 11.095 | 10.652 | 8.375 | 6.968 | 7.120 | 9.553 | 10.575 | 12.156 | 13.588 | 19.078 |
| | TOT OBS | 929 | 846 | 929 | 900 | 928 | 900 | 928 | 930 | 900 | 930 | 899 | 930 | 10949 |
| 21-23 | MEAN | 18.6 | 21.1 | 29.2 | 38.0 | 49.3 | 57.3 | 64.3 | 63.4 | 56.5 | 45.0 | 36.0 | 26.2 | 42.2 |
| | SD | 13.557 | 12.958 | 12.110 | 10.713 | 9.904 | 7.920 | 6.544 | 7.041 | 9.413 | 10.281 | 12.146 | 13.476 | 18.920 |
| | TOT OBS | 930 | 845 | 930 | 900 | 930 | 899 | 927 | 929 | 900 | 930 | 900 | 929 | 10949 |
| ALL HOURS | MEAN | 19.0 | 20.9 | 28.8 | 38.1 | 49.6 | 57.7 | 64.5 | 63.6 | 56.6 | 45.4 | 36.4 | 26.4 | 42.4 |
| | SD | 13.706 | 13.423 | 12.625 | 10.885 | 10.558 | 8.419 | 7.028 | 7.378 | 9.774 | 10.853 | 11.938 | 13.598 | 19.170 |
| | TOT OBS | 7436 | 6766 | 7439 | 7200 | 7438 | 7196 | 7433 | 7437 | 7200 | 7440 | 7196 | 7438 | 87619 |

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PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAF/CLAC
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES Hg FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87

| HOURS LST | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 31 | MEAN | 29.863 | 29.907 | 29.852 | 29.801 | 29.820 | 29.815 | 29.832 | 29.875 | 29.918 | 29.935 | 29.935 | 29.922 | 29.873 |
| | SD | .312 | .267 | .271 | .232 | .171 | .159 | .132 | .122 | .159 | .219 | .252 | .275 | .227 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 34 | MEAN | 29.864 | 29.903 | 29.839 | 29.794 | 29.815 | 29.811 | 29.829 | 29.868 | 29.912 | 29.931 | 29.932 | 29.927 | 29.868 |
| | SD | .315 | .270 | .275 | .235 | .173 | .162 | .133 | .124 | .166 | .220 | .251 | .274 | .229 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 37 | MEAN | 29.877 | 29.923 | 29.867 | 29.820 | 29.843 | 29.836 | 29.854 | 29.893 | 29.938 | 29.954 | 29.951 | 29.945 | 29.892 |
| | SD | .315 | .274 | .277 | .242 | .174 | .167 | .133 | .126 | .174 | .223 | .251 | .271 | .231 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 11 | MEAN | 29.900 | 29.940 | 29.878 | 29.821 | 29.845 | 29.836 | 29.856 | 29.899 | 29.945 | 29.964 | 29.968 | 29.973 | 29.902 |
| | SD | .314 | .279 | .283 | .247 | .176 | .163 | .135 | .128 | .143 | .231 | .251 | .271 | .235 |
| | TOT OBS | 310 | 282 | 310 | 300 | 309 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 |
| 13 | MEAN | 29.843 | 29.898 | 29.834 | 29.788 | 29.815 | 29.812 | 29.834 | 29.877 | 29.917 | 29.922 | 29.921 | 29.919 | 29.865 |
| | SD | .315 | .280 | .280 | .242 | .176 | .166 | .134 | .127 | .167 | .233 | .243 | .266 | .231 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 16 | MEAN | 29.834 | 29.876 | 29.800 | 29.758 | 29.788 | 29.797 | 29.808 | 29.851 | 29.890 | 29.905 | 29.911 | 29.914 | 29.844 |
| | SD | .312 | .274 | .270 | .236 | .174 | .161 | .136 | .124 | .162 | .232 | .234 | .261 | .228 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 17 | MEAN | 29.862 | 29.903 | 29.830 | 29.775 | 29.798 | 29.795 | 29.812 | 29.858 | 29.903 | 29.928 | 29.933 | 29.935 | 29.861 |
| | SD | .311 | .268 | .263 | .232 | .170 | .156 | .133 | .120 | .157 | .231 | .232 | .262 | .226 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 309 | 310 | 300 | 310 | 300 | 310 | 3651 |
| 22 | MEAN | 29.869 | 29.914 | 29.851 | 29.802 | 29.824 | 29.822 | 29.835 | 29.882 | 29.923 | 29.945 | 29.937 | 29.936 | 29.878 |
| | SD | .311 | .265 | .260 | .232 | .169 | .154 | .130 | .120 | .155 | .228 | .240 | .267 | .225 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 309 | 310 | 300 | 310 | 300 | 310 | 3651 |
| ALL HOURS | MEAN | 29.864 | 29.908 | 29.845 | 29.795 | 29.818 | 29.814 | 29.833 | 29.875 | 29.918 | 29.935 | 29.936 | 29.934 | 29.873 |
| | SD | .313 | .272 | .274 | .238 | .174 | .162 | .134 | .125 | .166 | .227 | .244 | .269 | .230 |
| | TOT OBS | 2480 | 2256 | 2480 | 2400 | 2479 | 2400 | 2478 | 2480 | 2400 | 2480 | 2400 | 2480 | 29213 |

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GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN HRS FROM
FOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87

| FOURS | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LST | | | | | | | | | | | | | | |
| 71 | MEAN | 1016.8 | 1018.3 | 1016.4 | 1014.6 | 1015.2 | 1015.0 | 1015.6 | 1017.0 | 1018.5 | 1019.1 | 1019.1 | 1018.7 | 1017.0 |
| | SD | 10.652 | 9.137 | 9.233 | 7.932 | 5.813 | 5.446 | 4.494 | 4.164 | 5.419 | 7.440 | 8.584 | 9.386 | 7.751 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 299 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 |
| 74 | MEAN | 1016.8 | 1018.1 | 1015.9 | 1014.3 | 1015.0 | 1014.9 | 1015.5 | 1016.8 | 1018.3 | 1019.0 | 1019.0 | 1018.9 | 1016.9 |
| | SD | 10.760 | 9.225 | 9.374 | 8.006 | 5.921 | 5.520 | 4.533 | 4.233 | 5.638 | 7.458 | 8.573 | 9.358 | 7.828 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 77 | MEAN | 1017.3 | 1018.9 | 1016.9 | 1015.2 | 1016.0 | 1015.7 | 1016.3 | 1017.7 | 1019.2 | 1019.8 | 1019.7 | 1019.6 | 1017.7 |
| | SD | 10.755 | 9.362 | 9.447 | 8.239 | 5.963 | 5.669 | 4.532 | 4.309 | 5.907 | 7.569 | 8.534 | 9.259 | 7.881 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 11 | MEAN | 1018.1 | 1019.4 | 1017.2 | 1015.2 | 1016.0 | 1015.7 | 1016.4 | 1017.8 | 1019.4 | 1020.1 | 1020.3 | 1020.5 | 1018.0 |
| | SD | 10.740 | 9.509 | 9.655 | 8.404 | 5.990 | 5.722 | 4.604 | 4.352 | 6.221 | 7.851 | 8.527 | 9.245 | 8.024 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 13 | MEAN | 1016.1 | 1018.0 | 1015.9 | 1014.1 | 1015.0 | 1014.9 | 1015.6 | 1017.1 | 1018.4 | 1018.6 | 1018.7 | 1018.7 | 1016.7 |
| | SD | 10.762 | 9.557 | 9.324 | 8.273 | 6.027 | 5.674 | 4.598 | 4.336 | 5.680 | 7.921 | 8.269 | 9.062 | 7.894 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 299 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 |
| 16 | MEAN | 1015.8 | 1017.2 | 1014.8 | 1013.1 | 1014.1 | 1014.0 | 1014.7 | 1016.2 | 1017.5 | 1018.1 | 1018.3 | 1018.5 | 1016.0 |
| | SD | 10.684 | 9.331 | 9.221 | 8.082 | 5.966 | 5.505 | 4.642 | 4.234 | 5.445 | 7.888 | 7.973 | 8.901 | 7.786 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 19 | MEAN | 1016.8 | 1018.1 | 1015.6 | 1013.7 | 1014.5 | 1014.3 | 1014.9 | 1016.5 | 1018.0 | 1018.9 | 1019.1 | 1019.2 | 1016.6 |
| | SD | 10.631 | 9.153 | 8.986 | 7.953 | 5.814 | 5.306 | 4.546 | 4.107 | 5.352 | 7.851 | 7.910 | 8.918 | 7.715 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 309 | 310 | 300 | 310 | 300 | 310 | 3651 |
| 22 | MEAN | 1017.0 | 1018.5 | 1016.3 | 1014.6 | 1015.3 | 1015.3 | 1015.7 | 1017.3 | 1018.6 | 1019.5 | 1019.2 | 1019.3 | 1017.2 |
| | SD | 10.638 | 9.045 | 9.047 | 7.928 | 5.763 | 5.244 | 4.462 | 4.382 | 5.287 | 7.767 | 8.176 | 9.123 | 7.674 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 309 | 310 | 300 | 310 | 300 | 310 | 3651 |
| ALL | MEAN | 1016.8 | 1018.3 | 1015.1 | 1014.4 | 1015.1 | 1015.0 | 1015.6 | 1017.0 | 1018.5 | 1019.1 | 1019.2 | 1019.2 | 1017.0 |
| | SD | 10.707 | 9.297 | 9.327 | 8.121 | 5.933 | 5.534 | 4.579 | 4.255 | 5.651 | 7.733 | 8.329 | 9.165 | 7.840 |
| HOURS | TOT OBS | 2480 | 2256 | 2480 | 2400 | 2480 | 2398 | 2478 | 2480 | 2400 | 2480 | 2400 | 2480 | 29212 |

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